

NEPA Re-Evaluation

August 2022



Carolina Crossroads
Phase 2 – Broad River Road at I-20 Interchange
Project ID: P039719





ENVIRONMENTAL RE-EVALUATION FORM

FHWA South Carolina

State File #		Fed Project #	P039719	Project ID	P039719	Route	I-20/I-20/I-126	County	Richland
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Project Name/Description

FHWA and SCDOT propose to upgrade the I-20/26/126 corridor and reconstruct associated interchanges in Richland and Lexington Counties. The primary purpose of the proposed Carolina Crossroads project is to implement a transportation solution that would improve mobility and enhance traffic operations by reducing existing traffic congestion within the I-20/26/126 corridor while accommodating future traffic needs.

1. DOCUMENT TYPE: EIS EA CE (non Programmatic) PCE (No FHWA Approval Required)

A. Other Actions Associated with the Project:

- Section 4(f) Evaluation
- Section 106 Compliance
- Wetland Finding/Section 404 Compliance
- T & E Species Biological Assessment
- None

2. DOCUMENT APPROVAL DATE:

May 2, 2019

3. DATE(S) OF PRIOR RE-EVALUATIONS:

8/3/20; 10/30/20; 12/8/20; 5/23/22

4. PROJECT DEVELOPMENT STAGE:

- Final Design
- ROW
- Construction
- Other, Specify

5. HAS DESIGN OR ROW CHANGED SINCE THE LAST APPROVAL?:

(if "NO" then Go To Item 7)

YES

NO

6. DESCRIPTION OF CURRENT PROJECT/DESIGN CHANGES:

See attached supporting documentation.

7. HAVE THERE BEEN SIGNIFICANT CHANGES IN THE AFFECTED ENVIRONMENT OR HAVE THE ENVIRONMENTAL STUDIES BEEN UPDATED SINCE THE LAST PROJECT APPROVAL?: (If "NO" to both Items 5 and 7, Go To Item 10)

YES NO

8. APPROVED DOCUMENT(S) RE-EVALUATION:

A. REVIEW OF EFFECTS: (Complete this section if "YES" to either Item 5 or Item 7)

SOCIAL ENVIRONMENT

CHANGE

REMARKS

1. Land Use	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
2. Community	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
3. Relocations	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
4. Churches/Institutions	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
5. Title VI/E.O. 12898	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
6. Economic	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
7. Controversy	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
8. Other; Specify	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	

NATURAL ENVIRONMENT

CHANGE

REMARKS

1. Wetlands	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	See attached supporting documentation.
2. Water Quality	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
3. Wild/Scenic Rivers	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
4. Farmland	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
5. T & E Species	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
6. Floodplains	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
7. Other; Specify	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	

PHYSICAL ENVIRONMENT

CHANGE

REMARKS

1. Noise	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	See attached
2. Air Quality	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
3. Energy/Mineral Resources	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
4. Construction/Utilities	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
5. UST's	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
6. Hazardous Waste Sites	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	See attached
7. Other; Specify	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	

CULTURAL ENVIRONMENT	CHANGE	REMARKS
1. Historic Sites	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="text"/>
2. Archaeological Resources	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="text"/>
7. Other; Specify	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="text"/>

PERMITS	CHANGE	REMARKS
1. U.S. Coast Guard	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="text"/>
2. Forest Service/USACE/USFWS Land	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="text"/>
3. Section 404	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	See attached
4. Other; Specify	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="text"/>

Have the required permits been obtained? YES NO

If "YES" what is the expiration date?

***If permits have expired, permits will need updated and attached to re-evaluation.**

9. NEED FOR PUBLIC INVOLVMENT:

A public hearing/public information meeting was held for the project on:

There have been no changes in project design or environmental effects which would require a public hearing [or additional public hearing if one has already been held] or public information meeting.

The change(s) in project design and/or effects require(s) an additional public hearing/public information meeting. The meeting is scheduled for:

10. FINDINGS/CONCLUSIONS:

Based on the analysis contained in this re-evaluation, it has been determined that the change in project design and/or environmental effects would not significantly alter the conclusions reached in the approved environmental document and/or previous re-evaluation(s).

There have been no changes in the design/ROW of this project nor have there been changes in project effects or the affected environment. Therefore, the conclusions reached in the approved environmental document and/or previous re-evaluation(s) remain valid.

Prepared By: Digitally signed by Will McGoldrick
Date: 2022.09.14 14:25:11 -04'00' Date

For Non Programmatic CEs:

Concurred (FHWA): Digitally signed by EMILY OLDHAM LAWTON
Date: 2022.09.14 17:27:14 -04'00' Date

EC ID	Description	Category	Status	Phase 1 Updates	Phase 2 Updates
EC-01	SCDOT will work with the Central Midlands Rural Transit Authority / COMET (CMRTA/COMET) and the Central Midlands Council of Governments (CMCOG) to develop two park-and-ride lots to improve mobility during construction and mitigate congestion resulting from the project. SCDOT would construct the two sites and maintain them during construction of the project. Engineering feasibility, timing and continued maintenance of the sites would be determined in coordination with CMRTA and the CMCOG prior to the start of construction. In the event a permanent site cannot be developed, SCDOT would work with CMRTA and CMCOG to identify and provide funding for existing parking lots that could be leased for park-and-ride use during construction.	Programmatic	SCDOT has completed an evaluation to identify park and ride facilities. In coordination with FHWA a leasing option will move forward. SCDOT is in the process of obtaining leasing agreement information for the park and ride sites. One appraisal has been completed and discussions relative to process for negotiation is forthcoming.	N/A	N/A
EC-02	SCDOT will implement a congestion management tool/commuter services application to improve mobility during construction and mitigate congestion by informing commuters of available options such as carpooling, ridesharing, vanpools and other transit oriented options.	Programmatic	SCDOT has met with the CMCOG who is in the process of developing a mobile application. SCDOT to follow up and determine when the application will be available.	N/A	N/A
EC-03	SCDOT will assist COMET/CMRTA ongoing efforts through such measures as accommodating transit (bus) stops at interchange locations, which may include bus turnout. In addition, SCDOT will work with CMRTA to monitor bus operations and capacity during construction and in the event that capacity is reached, SCDOT will provide support in determining funding for enhanced bus service during construction based upon a framework to be agreed upon with CMRTA.	Programmatic	SCDOT has met with the CMCOG and discussions are ongoing.	N/A	N/A
EC-04	Prior to final design, SCDOT will coordinate with the City of Columbia and CMCOG to ensure that existing and planned bicycle and pedestrian facilities identified in the local and regional plans and existing and proposed connections to such facilities are accommodated where located within the limits of the Carolina Crossroads project at crossing routes and interchanges where feasible.	Design	Status update to be phase specific.	Phase 1 Final design plans are under review.	Phase 2 Final design plans are under review.
EC-05	During final construction, SCDOT will accommodate bicycle/pedestrian access. SCDOT will coordinate with the local municipalities and/ or trail groups to post information on temporary sidewalk or bicycle facility closures or detours. Sidewalk and/or bicycle lane/path closures will be communicated to the agency with jurisdiction at least 48 hours in advance and appropriate signage will be placed.	Construction	Status update to be phase specific.	Coordination occurred prior to the closing of the Saluda River greenway with the City of Columbia. The end portion of the trail has been temporarily closed.	SCDOT will comply.
EC-06	SCDOT will acquire all new right-of-way and process any relocations in compliance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended (42 U.S.C. 4601 et seq.) and the SCDOT ROW Manual. The purpose of these regulations is to ensure that owners of real property to be acquired for federal and federally-assisted projects are treated fairly and consistently, to encourage and expedite acquisition by agreements with such owner, to minimize litigation and relieve congestion in the courts, and to promote public confidence in federal and federally-assisted land acquisition programs. Temporary construction easements may be needed for some properties. SCDOT will temporarily use these properties during construction and would provide compensation to the landowner for the temporary use. The property will be fully returned to the owner when the use of the property is no longer required, typically when construction is complete.	Programmatic	Phase 1 right-of-way acquisition is near completion and relocations are ongoing.	N/A	N/A

EC ID	Description	Category	Status	Phase 1 Updates	Phase 2 Updates
EC-07	Changes in access for school bus routes will be discussed with the school system in advance of when they will actually take place, so that the school systems can adjust routes in a timely manner. Coordination with local school districts will also occur during construction. SCDOT and the CONTRACTOR will coordinate with the school system during development of the community outreach program.	Construction	Status update to be phase specific.	Contractor will coordinate with local school districts as necessary.	Contractor will coordinate with local school districts as necessary.
EC-08	Written translations of public involvement documents will be provided for Spanish language speaking populations, as well as other measures determined by SCDOT to ensure meaningful access to project information during construction. Efforts will be made to ensure meaningful opportunities for public participation during construction. Additional meetings will be held when warranted to address community concerns.	Construction	Status update to be phase specific.	SCDOT has implemented a translation tool on the project website for Spanish language speaking populations.	SCDOT has implemented a translation tool on the project website for Spanish language speaking populations.
EC-09	The CONTRACTOR(s), through a community outreach program, will let the community know what types of closures to expect (i.e. temporary, long-term), when to expect them and who to contact, if needed. SCDOT and the CONTRACTOR(s) will coordinate with emergency service providers such as police, fire protection and ambulance services before construction to ensure that access for emergency vehicles will be maintained.	Programmatic	Community and public relations support plan has been approved and is being implemented.	N/A	N/A
EC-10	Based on the studies thus far accomplished, SCDOT intends to install highway traffic noise abatement measures in the form of a barrier at Noise Sensitive Area (NSA) O, R and S. These barriers are located on the south side of I-20 from the Saluda River extending approximately 2,300 feet west (Barrier O); on the north side of I-20 from approximate station 224+90 to approximate 270+34.81 the Broad River Road to approximately 4,550 feet east towards the Broad River (Barrier R); and on the south side of I-20 from approximate station 223+85.23 to approximate station 267+64.89 the Broad River Road exit extending approximately 4,380 feet east towards the Broad River (Barrier S). These preliminary indications of likely abatement measures are based upon preliminary design for a barrier cost of \$35.00 per square foot that will reduce the noise level by at least 5 dB(A) for residences. If it subsequently develops during final design that these conditions have substantially changed, the abatement measures might not be provided. A final decision of the installation of the abatement measure(s) will be made upon completion of the project's design. Since there are residences located on the opposite side of the interstate adjacent to Barriers O, R and S, sound absorption materials will be added to the barriers to minimize noise reflectivity of the barriers towards receptors on the other side of the interstate.	Design	Status update to be phase specific.	Barriers are not located within this phase.	Barriers R and S will be designed in this phase.
EC-11	In order to help local officials and developers consider highway traffic noise in the vicinity of a proposed Type I project, SCDOT will inform them of the predicted future noise levels and the required distance from the roadways needed to ensure that noise levels remain below the NAC for each type of land use per 23 CFR 772.J 7. The information will be provided within three months of the Record of Decision (ROD) publication.	Programmatic	SCDOT has complied.	N/A	N/A

EC ID	Description	Category	Status	Phase 1 Updates	Phase 2 Updates
EC-12	During construction, powered construction equipment will not be operated during the traditional evening and/or sleeping hours within 150 feet of a noise-sensitive site, to be decided either by local ordinances and/or agreement with SCDOT.	Construction	Status update to be phase specific.	Discussion will occur in pre-activity meeting with the Contractor and documented accordingly.	Discussion will occur in pre-activity meeting with the Contractor and documented accordingly.
EC-13	The CONTRACTOR(s) will be required to minimize possible water quality impacts through implementation of BMPs, reflecting policies contained in 23 CFR 650B and SCDOT's Supplemental Specification on Erosion Control Measures (latest edition) and Supplemental Technical Specifications on Seeding (latest edition). Other measures including seeding, silt fences, sediment basins, etc. as appropriate will be implemented during construction to minimize impacts to water quality.	Construction	Status update to be phase specific.	Environmental compliance inspections are on-going. Phase 1 Final design plans are under review.	Contractor shall comply. Phase 2 Final design plans are under review.
EC-14	Stormwater modeling will be completed for the final design of the Project. Stormwater runoff would be mitigated by discharging stormwater into appropriately designed BMP's before being released into receiving waters. During construction, the CONTRACTOR(s) will identify and avoid all point sources of fecal coliform as identified in Chapter 3, Section 3.6 of the FEIS.	Construction	Status update to be phase specific.	Final design has been initiated and modeling efforts are ongoing.	Final design has been initiated and modeling efforts are ongoing.
EC-15	A Section 401 State Water Quality Certification will be required for the overall project. SCDOT is responsible for obtaining the certification as part of the Joint 404/401 permit application process.	Programmatic	Initial 401 water quality certification has been obtained.	N/A	N/A
EC-16	The CONTRACTOR(s) is responsible for development of a project specific SWPPP and for obtaining a Section 402 NPDES permit for the project prior to initiating land disturbing activities.	Construction	Status update to be phase specific.	Compliance inspection have been initiated and are ongoing.	Contractor shall comply.
EC-17	A State Navigable Waters permit will be required for construction over any navigable waterways (i.e., the Saluda River). The CONTRACTOR will be responsible for obtaining this permit.	Construction	Status update to be phase specific.	Permit has been obtained.	Permit has been obtained.
EC-18	Impacts to jurisdictional waters will be permitted under a Department of the Army Section 404 permit from the U.S. Army Corps of Engineers (USACE). Based on preliminary design, it is anticipated that the proposed project will be permitted under an Individual USACE Permit (IP). SCDOT will provide the USACE with information regarding any proposed activities during the Section 404 permitting process. One permit would be obtained for the overall project. The required mitigation for this project will be provided through a Permittee Responsible Mitigation (PRM) site, developed in consultation with the USACE and other resource agencies.	Construction	Status update to be phase specific.	Permit mod for Ph 1 under development. Construction activities for the PRM site has reach substantial completion. Some minor work remains in the contract.	Permit mod for Ph 2 under development. Construction activities for the PRM site has reach substantial completion. Some minor work remains in the contract.
EC-19	Detailed hydraulic and hydrologic studies for each bridge crossing will be performed to determine the correct sizing of bridges and culverts. The project will be designed to be consistent with local floodplain development plans. Prior to construction activity in the area, coordination with Dominion Energy and Federal Energy Regulatory Commission (FERC) will be required for the Lower Saluda River floodway crossings due to its function as part of a hydroelectric facility.	Design	Status update to be phase specific.	Phase 1 Final design plans are under review.	Phase 2 Final design plans are under review.
EC-20	The project will be designed in an effort to meet "No-Rise" requirements. In the event a "No-Rise" condition cannot be achieved, coordination with FEMA will require the preparation of a CLOMR (Conditional Letter of Map Revision) / LOMR (Letter of Map Revision) package for the encroachment. Where regulatory floodplains are defined, hydraulic structures will be designed to accommodate a 100-year (1% annual chance) flood. Where no regulatory floodplains are defined, culverts and bridges will be designed to accommodate a 50-year or greater magnitude flood event. Ongoing design efforts to minimize floodplain impacts will be coordinated with resource and regulatory agencies during the final design process.	Design	Status update to be phase specific.	Phase 1 Final design plans are under review.	Phase 2 Final design plans are under review.
EC-21	Prior to construction, the selected CONTRACTOR(s) will send a set of final plans and request for floodplain management compliance to the local County Floodplain Administrator.	Design	Status update to be phase specific.	Phase 1 Final design plans are under review.	Phase 2 Final design plans are under review.

EC ID	Description	Category	Status	Phase 1 Updates	Phase 2 Updates
EC-22	No substantial impacts to floodplain values are anticipated from the proposed project. If conditions change based on final design, additional measures will be evaluated to restore lost floodplain values.	Design	Status update to be phase specific.	Phase 1 Final design plans are under review.	Phase 2 Final design plans are under review.
EC-23	To mitigate for natural upland forested habitats, lost as a result of the project, SCDOT will plant trees (native species), as defined by the final design plans, within the rights-of-way adjacent to new or improved interchanges and roadways outside of required clear safety zones. Impacts to areas providing significant wildlife habitat, such as river floodplains and other large riparian buffers, will be minimized to the extent practicable through avoidance and minimization design measures such as the use of appropriate BMP's. Construction activities will be conducted within the disturbed footprint of the existing roadway and utility right-of-way to the maximum extent practicable.	Programmatic	(blank)	N/A	N/A
EC-24	To mitigate the temporary impacts to the Saluda Riverwalk Extension, SCDOT will notify the City of Columbia Parks and Recreation Department at least 48 hours in advance as to when the trail will be temporarily closed. SCDOT will also work closely with the Parks and Recreation Department to communicate the closing to trail users during construction. When construction is complete, the condition of the trail will be equal to existing conditions.	Construction	Status update to be phase specific.	In May, coordination occurred with the City of Columbia in which they accepted the electrical update to provide a permanent power source for lights on the upriver end of the Saluda Riverwalk.	N/A for Phase 2.
EC-25	Prior to construction, the project CONTRACTOR will perform Phase II ESAs on the properties identified within the footprint, including the subject properties, and/or on the adjoining properties or the ROW. Ultimately, the Phase II ESAs will include environmental sample collection (e.g. soil, soil gas, and groundwater), specifically, in areas where a potential for disturbance of soil and/or groundwater exists. Asbestos Containing Material (ACM) and/or Lead Based Paint (LBP) testing will be assessed separately. Materials containing asbestos and lead-based paints will be managed and disposed of properly at an appropriate permitted facility to minimize impacts during the construction and cleanup. Activities will be monitored by a professional that is certified in the removal, handling and disposal of lead-based paint and/or asbestos-containing materials.	Programmatic	SCDOT has completed some of the identified Phase II ESAs.	N/A	N/A
EC-26	A spill prevention, control, and countermeasures (SPCC) plan will be prepared in accordance with 40 CFR 112, for the handling of oils or oil-based products during construction to prevent a discharge of oil into navigable waters.	Design	Status update to be phase specific.	Contractor has submitted the SPCC and it will be monitored during construction.	Contractor has submitted the SPCC and it will be monitored during construction.
EC-27	A hazardous waste management plan will be prepared for the handling of hazardous materials during construction, and an on-site health and safety plan will be developed for construction activities to protect human health (i.e. workers, residents, recreation and trespassers) and the environment within/proximate to the site. The hazardous waste management plan will also state that disposal of waste materials will be disposed of in approved landfills.	Construction	Status update to be phase specific.	Contractor has submitted a project specific hazardous waste management plan which is currently in place.	Contractor has submitted a project specific hazardous waste management plan which is currently in place.

EC ID	Description	Category	Status	Phase 1 Updates	Phase 2 Updates
EC-28	If avoidance of hazardous materials is not a viable alternative and soils that appear to be contaminated are encountered during construction, the South Carolina Department of Health and Environmental Control (SCDHEC) will be informed immediately. Hazardous materials will be tested and removed and/or treated in accordance with the United States Environmental Protection Agency and the SCDHEC requirements, if necessary. SCDHEC Hazardous Waste Treatment, Storage, and Disposal compliance staff can be contacted at 803-898-0290.	Construction	Status update to be phase specific.	Four buildings were previously demolished with asbestoes and the construction materials were properly disposed.	Should hazardous materials be encountered the will be properly disposed of according to the site specific hazardous waste management plan and this commitment.
EC-29	During the construction phase of the project, the CONTRACTOR and subCONTRACTORS must notify their workers to watch for the presence of any prehistoric or historic remains, including but not limited to arrowheads, pottery, ceramics, flakes, bones, graves, gravestones, or brick concentrations. If any such remains are encountered, the Construction Manager for Mega Projects would be immediately notified and all work in the vicinity of the discovered materials and site work shall cease until the SCDOT Chief Archaeologist directs otherwise. SCDOT Chief Archaeologist, Tracy Martin, can be contacted at 803-737-6371.	Construction	Status update to be phase specific.	Discussion will occur in pre-activity meeting with the Contractor and documented accordingly. Minor clearing has been conducted.	Contractor and subContractors shall comply.
EC-30	An archaeological professional will be present during any ground disturbing activities related to Site 38LX212 and 38RD59. Additionally, sites 38RD140, 38RD1175, and 38RD1176 will be protected from indirect effects, including borrow sites and equipment staging. Sites will be clearly marked in the field using orange construction fencing prior to beginning construction activities in the vicinity of the resources.	Construction	Status update to be phase specific.	Requested an archaeological professional for silt fence installation per plan near site 38RD59 (Saluda Canal)	N/A for Phase 2
EC-31	The Saluda Canal (Site 38RD59) would be clearly plotted on all construction plans. SCDOT has reduced ROW widths in the vicinity of the canal to avoid impacts to the canal during construction & any future maintenance activities along the ROW. A 25-foot buffer will be maintained around the canal for the majority of the resource. This zone would be clearly marked in the field using orange fencing during construction, and all ground disturbance and construction staging activities would be conducted outside of this buffer in order to avoid all possible impacts to the resource. SCDOT proposes to revise the commitment of a 25-foot buffer for a distance of approximately 700 feet along the proposed ramp to allow room for temporary construction access & equipment near I-26 Ramp C. To protect the boundary of the canal at this location, the following will be added to the contract as commitments: <ul style="list-style-type: none"> •Prior to construction activities orange protective fencing will be installed along the edge of boundary of the Saluda Canal Historic District in areas that will maintain the original buffer as well as those areas where the buffer has been requested to be reduced between the two drainages and for a length to the south of the southernmost drainage. •Prior to construction activities silt fencing will be installed along the edge of SCDOT right of way to prevent runoff. •For areas along the identified Saluda Canal located along the I-26 Ramp C beginning Station 5412+50 and ending Station 5419+50 clearing will be allowable to the right of way but grubbing will be limited to within a distance of 5-feet inside of the right of way. Grubbing activities within the 5-foot buffer will require approval from SCDOT prior to occurring. •During land clearing activities prior to construction, an archaeologist will be present at all times to ensure that these activities undertaken close to the fencing do not damage the canal. •During construction, an archaeologist will visit the construction site twice a week to ensure that no activities have crossed over the protective fencing. Any observations during these visits will be recorded in an inspection log that will be made available to the SHPO. •As soon as an inadvertent impact is discovered, such as a previously unidentified cultural resource, archaeological feature, or artifact, construction in that area will stop immediately until an onsite consultation with SCDOT archaeologists and SHPO can determine the best strategies for avoiding, minimizing, or mitigating adverse effects upon the resource. 	Construction	Status update to be phase specific.	Canal plotted on plans and orange fencing has been installed.	N/A for Phase 2

EC ID	Description	Category	Status	Phase 1 Updates	Phase 2 Updates
EC-32	The CONTRACTOR(s) will ensure that all construction equipment is properly tuned and maintained. Idling time will be minimized to save fuel and emissions.	Construction	Status update to be phase specific.	Discussion will occur in pre-activity meeting with the Contractor and documented accordingly.	Discussion will occur in pre-activity meeting with the Contractor and documented accordingly.
EC-33	Water will be applied to control dust as needed to prevent dust impacts off site. There will be no open burning of removed vegetation. Vegetation will be chipped or delivered to waste energy facilities.	Construction	Status update to be phase specific.	Dust producing activities are not ongoing.	Dust producing activities are not ongoing.
EC-34	<p>The federal Migratory Bird Treaty Act, 16 USC § 703-711, states that it is unlawful to pursue, hunt, take, capture or kill; attempt to take, capture or kill; possess, offer to or sell, barter, purchase, deliver or cause to be shipped, exported, imported, transported, carried or received any migratory bird, part, nest, egg or product, manufactured or not. The South Carolina Department of Transportation (SCDOT) will comply with the Migratory Bird Treaty Act of 1918 in regard to the avoidance of taking of individual migratory birds and the destruction of their active nests.</p> <p>The CONTRACTOR will notify the Construction Manager for Mega Projects at least four (4) weeks prior to construction/demolition/maintenance of bridges and box culverts. The Construction Manager for Mega Projects will coordinate with SCDOT Environmental Services Office (ESO), Compliance Division, to determine if there are any active birds using the structure. SCDOT will be responsible for the removal/management of any active bird nests.</p>	Construction	Status update to be phase specific.	Surveys conducted on Ramps C and D prior to maintenance/rehab activities. Meeting minutes will be provided for documentation.	No current or anticipated notification of construction/demolition/maintenance of bridges and box culverts.
EC-35	Potential borrow areas to be used for fill dirt for the project will be field reviewed and assessed for the presence of any jurisdictional features, and BMPs will be applied prior to disturbance to avoid and/or minimize erosion and runoff of sediments.	Construction	Status update to be phase specific.	Contractor shall comply.	Contractor shall comply.
EC-36	Construction operations will be scheduled for off-peak traffic hours when reasonable/feasible.	Construction	Status update to be phase specific.	Project specific traffic management plan has been submitted and is being monitored.	Project specific traffic management plan has been submitted.
EC-37	A traffic maintenance plan will be developed prior to construction initiation to minimize interference to traffic flow from construction equipment and activities.	Design	Status update to be phase specific.	Contractor has submitted a conceptual traffic maintenance plan for review.	Contractor has submitted a conceptual traffic maintenance plan for review.
EC-38	After SCDOT acquisition, wetland delineations will be performed on Parcels 270, 187 and 316; archaeological investigations will be conducted on Parcels 187 and 316.	Programmatic	SCDOT has complied.	N/A	N/A

Re-Evaluation

Supporting Documentation

*Carolina Crossroads Phase 2 – Broad River Road at I-20
Interchange*

Richland County

Project ID: P039719



August 29, 2022

Contents

Introduction	1
Proposed Design Changes	3
Traffic	4
Environmental Effects Associated with the Final Project	5
Right-of-Way	5
Hazardous Materials	5
Noise	8
Waters of the U.S./Section 404 Permit Modification	9
Public Involvement.....	11
Environmental Commitments	11
Summary	11

APPENDIX A: Phase I and Phase II ESAs

APPENDIX B: Noise Analysis Addendum

Introduction

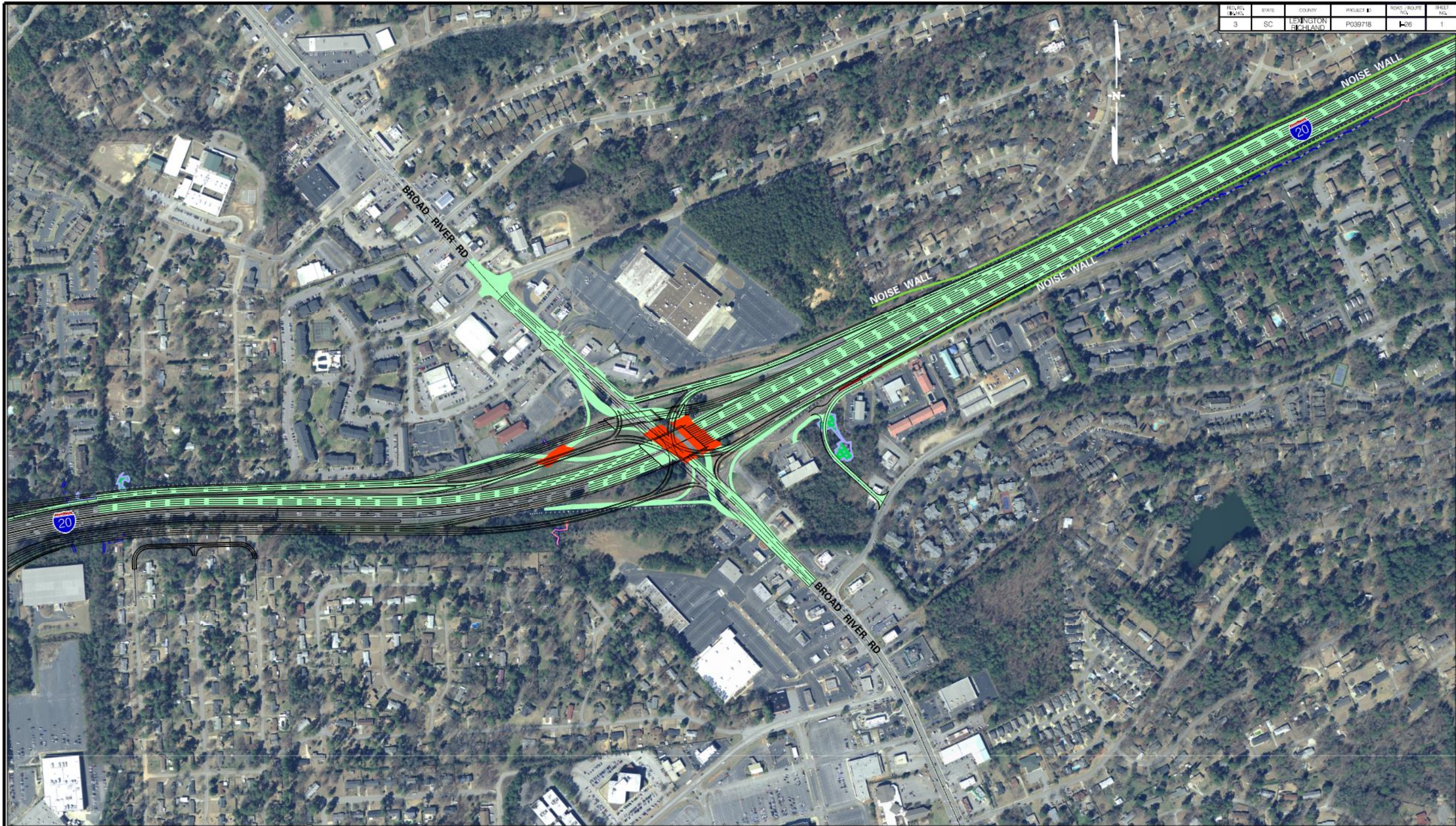
The Federal Highway Administration (FHWA) and South Carolina Department of Transportation (SCDOT) propose to implement various strategies that will improve the mobility and enhance traffic operations by reducing existing traffic congestion within the I 20/26/126 corridor in Richland and Lexington Counties, South Carolina. The proposed project, Carolina Crossroads (CCR), will ultimately increase capacity and improve operation along the corridor, including reconstructing/improving the following interchanges: the I-20 and I-26 system-to-system interchange, I-26 Exit 101 at Broad River Road, I-26 Exit 102 at Lake Murray Boulevard, I-26 Exit 103 at Harbison Boulevard, I-26 Exit 104 at Piney Grove Road, I-26 Exit 106 at St Andrews Road, I-26 Exit 108 at Bush River Road, the I-26/I-126 interchange, I-26 Exit 110 at US 378, I-126 at Colonial Life Boulevard, I-20 Exit 65 at Broad River Road, and I-20 Exit 63 at Bush River Road.

FHWA approved a final environmental impact statement (FEIS) and record of decision (ROD) for the project on May 2, 2019. The project has since progressed towards construction that will occur in five phases through the design-build process. Four reevaluations have been completed for the project since the FEIS/ROD: one for CCR Phase 1 design updates due to right-of-way changes (approved August 3, 2020), one for noise barrier wall updates (approved October 30, 2020), one for demolition updates (approved December 8, 2020), and one for changes to right-of-way and parcel acquisitions based on right-of-way negotiations for CCR Phases 2 and 3 and design revisions for CCR Phase 1 based on the design-build process (approved May 23, 2022). Project construction is anticipated to begin in fall 2022 with traffic control/maintenance activities and substantial project completion scheduled for March 2025.

Under CCR Phase 2, SCDOT proposes improvements to Interstate 20 (I-20) in Richland County, SC, including widening I-20, constructing new ramps and bridges, and replacing the I-20 at US 176 (Broad River Road) interchange with a new interchange design. The CCR Phase 2 project will extend from approximately 0.2 mile east of the Browning Road overpass to just west of the existing bridge over the Broad River.

SCDOT is administering the final design and construction of the project through a design-build contract. The design-build team has slightly modified various design elements of the previous Refined Recommended Preferred Alternative (RRPA), including an alternative design for the I-20 at US 176 (Broad River Road) interchange to provide the most efficient and economical solution to SCDOT (see **Figure 1** for design changes).

REL. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NOS.	SHEET NO.
3	SC	LEXINGTON	P039719	I-20	1



LEGEND	
	MODIFIED ROADWAY
	MODIFIED BRIDGES
	WETLANDS
	PREVIOUS REFINED RPA

**Figure 1: Design Modifications
Carolina Crossroads Phase 2**

REL. NO.	BY	DATE	DESCRIPTION OF REVISION
6			
5			
4			
3			
2			
1			
0			

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 CAROLINA CROSSROADS PHASE 2
 DISPLAY SHEET
 SCALE: 1" = 500'

Proposed Design Changes

The CCR Phase 2 design-build team evaluated the previous RRPA for CCR Phase 2 to develop more efficient and economical solutions based on design and construction. This included a detailed evaluation of the I-20 at US 176 (Broad River Road) interchange (Exit 65). A single point urban interchange (SPUI) was proposed as the RRPA design to replace the existing tight diamond interchange. The CCR Phase 2 design-build team proposes an alternative design for the I-20 at US 176 (Broad River Road) interchange—an offset diverging diamond interchange (DDI) for I-20 at US 176. Following extensive analysis, the offset DDI was chosen as the preferred concept based on several factors, such as constructability, cost effectiveness, and traffic operations. The proposed design does not include addition or removal of ramp connections to I-20 and I-26, which are proposed as part of the RRPA (**Figure 1**).

The purpose of the project is to provide traffic access to and from I-20 and Broad River Road efficiently and safely by replacing the old over capacity interchange and adding additional capacity along I-20 within the study limits, while keeping in view the ultimate design of the I-20/I-26/I-126 interchange. CCR Phase 2 includes adding lanes to I-20 and replacing the existing I-20/US 176 (Broad River Road) tight diamond interchange (Exit 65) with an offset DDI. These improvements include constructing new parallel bridges along Broad River Road over I-20, all new entrance and exit ramps, and other improvements to surface streets and frontage roads. This design creates two new “crossover” intersections instead of a single point intersection. The crossover is where two of the four interchange ramps intersect at a single location.

In addition, CCR Phase 2 will include construction of an exit ramp from I-20 westbound (WB) to I-26 eastbound (EB) and WB. This ramp will connect to a collector-distributor (CD) road which will include traffic from Broad River Road. The CD Road, at its maximum, will have three WB lanes. Two will split off and connect to WB I-26 and one will connect to EB I-26 once the I-20/I-26/I-126 interchange is complete. In the interim, the new connection will tie into the existing I-26 WB ramps and not reach its full capacity until the ultimate interchange is complete. Traffic that is bound for I-26 EB will continue to use the existing loop ramp until the ultimate system-to-system interchange is complete. The project will also include the relocation of Garner Lane from the I-20 EB entrance ramp to connect with Longcreek Drive north of the Broad River Road/Longcreek Drive intersection.

The following design changes were also made as part of the new offset DDI:

1. The entrance ramp from northbound (NB) Broad River Road to I-20 WB has been modified. The change reduced the ramp from two lanes to one lane. The amount of traffic using the ramp in the peak hour only required one lane. It also allows the merging with the ramp from southbound (SB) Broad River to I-20 WB to occur more efficiently.
2. The two-lane portion of the EB I-20 on-ramp from Broad River Road has been extended to provide a total of 800 feet from the south crossover intersection to improve safety and operations.

- The south leg of Broad River Road at Briargate Circle/Marley Drive has been widened to accommodate the bicycle lane in the SB direction. The NB left turn is channelized at this approach allowing the NB and SB left-turn lanes to align with each other. The channelization is provided using pavement markings to provide guidance to drivers without presenting an obstruction in the roadway.

Traffic

The offset DDI proposed at I-20 at US 176 (Broad River Road) would provide additional capacity and therefore, reduce the traffic delays when compared to the FEIS/ROD RRPA design (SPUI). Most notably, the delays (measured in seconds per vehicle) would improve in the year 2040 with the offset DDI design. The RRPA SPUI concept is made up of three intersections and the offset DDI concept is comprised of two intersections; therefore, delays at each interchange are compared/analyzed by combining the intersections for each concept. As noted in **Table 1**, the combined delay (seconds/vehicle) at the intersections improves from 61.9 in the a.m. and 66.3 in the p.m. under the RRPA concept to 28.5 in the a.m. and 24.1 in the p.m. under the final design concept. In addition, the level of service (LOS) for the combined signalized intersections is better or equal to the RRPA interchange concept. LOS is a measurement of traffic operations (defined in terms of a weighted average control delay for the signalized intersection), based on a range from LOS A (best/free-flowing conditions) to LOS F (worst/most congested conditions). The traffic operation/LOS at the signalized intersections as well as the freeway capacity, and ramp merge/diverge movements, and delays (in seconds) have been improved with the proposed alternative design while meeting the purpose and need of the project. The proposed offset DDI improves overall traffic operations and enhances the buildability of the interchange by providing an additional travelway for diversion of traffic when constructing the main overpass structure over I-20.

Table 1. RRPA design (SPUI) vs. final design (offset DDI) intersection capacity analysis (year 2040)

Intersection	RRPA design concept				Final design concept			
	a.m. peak		p.m. peak		a.m. peak		p.m. peak	
	LOS ^a	Delay	LOS	Delay	LOS	Delay	LOS	Delay
I-20 WB off-ramp/crossover at US 176	B	12.6	B	19.7	B	18.1	B	12.7
I-20 at US 176 SPUI	D	43.5	D	36.2	-			
I-20 EB off-ramp/crossover at US 176	A	5.8	B	10.3	B	10.4	B	11.4
Combined concept	E	61.9	E	66.3	C	28.5	C	24.1

-: concept has EB and WB ramp termini only

a: LOS criteria based on the Transportation Research Board *Highway Capacity Manual 2010*.

Source: Adapted from STV. *Modified Selected Alternative Phase 1/Phase 2 Traffic Technical Report: Carolina Crossroads I-20/26/126 Corridor Project, Lexington and Richland Counties*. August 2022.

As a result of these design changes, the impacts to the human and natural environmental have been reevaluated for CCR Phase 2, as discussed below.

Environmental Effects Associated with the Final Project

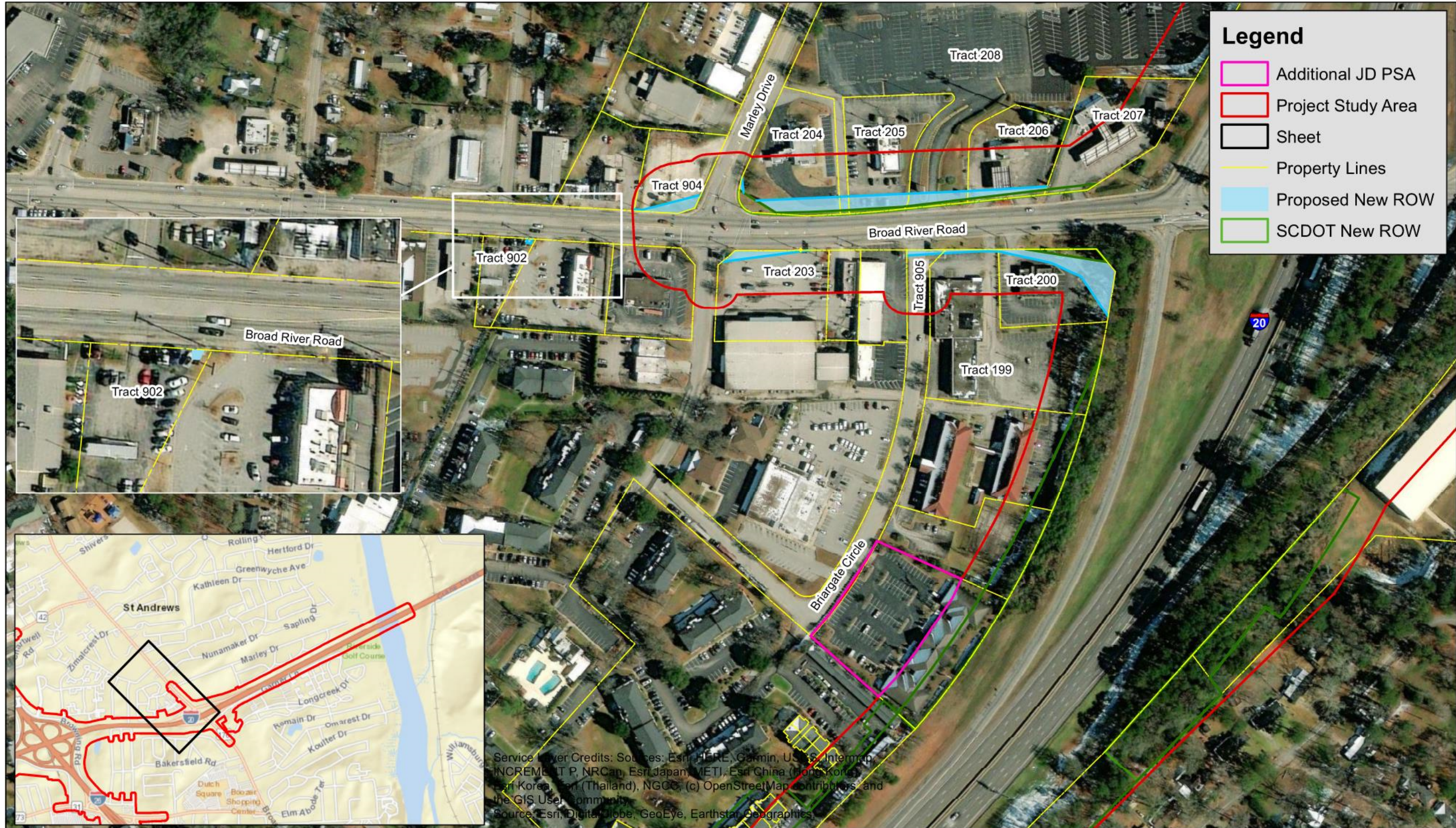
Right-of-Way

The design revisions result in changes to the amount of right-of-way to be acquired beyond SCDOT right-of-way. Approximately 0.76 acre of additional right-of-way is needed for CCR Phase 2, compared to the previous RRPA design. Additional right-of-way will be acquired from 12 parcels, as shown in **Figure 2** (2.1-2.2). The additional right-of-way needed for CCR Phase 2 falls within the previously surveyed project study area (PSA) for the FEIS/ROD. Additionally, several areas of the PSA were expanded and evaluated to fully encompass the proposed footprint and incorporate additional right-of-way areas and parcels that have been incorporated into the project. The additional areas outside the existing PSA encompasses 24.6 acres and were evaluated for environmental resources.

Hazardous Materials

As a result of final design, and the additional right-of-way required, an additional limited Phase I environmental site assessment (ESA) was conducted in April 2022 along the new right-of-way areas to determine whether recognized environmental concerns (RECs) are present within or near the proposed corridor. All areas of additional new right-of-way are within the original FEIS/ROD PSA, which was previously screened for hazardous material sites. Based on the limited 2022 Phase I ESA, five tracts associated with new right-of-way were determined to have potential risks associated with hazardous substances. Three of the five areas were determined to contain the potential for moderate to high risk of environmental impact, one was determined to have a low to moderate risk of impact, and one was determined to have a low potential for environmental impact. The three areas of moderate to high risk were current or former gas stations. The low to moderate risk sites were abandoned monitoring wells likely associated with former gas stations, and the low-risk site was a former gas station. Two moderate to high risk sites (Tract 205—the Pon Di River Restaurant, and Tract 288—Affordable Dentures), both former service stations. The proposed project will result in minimal work on these sites; however, construction activities will be monitored and additional measures will be implemented as required. The location of these tracts can be found on **Figure 2** (2.1-2.2). A copy of the April 2022 Phase I ESA can be found in Appendix A.

Prior to the April 2022 limited Phase I ESA, a Phase I ESA was conducted in 2017, which identified several sites for Phase II ESA sampling. A Phase II ESA was conducted in April 2022 for four sites (Tracts 206, 207, 272, and 273) based on the 2017 Phase I ESA (enclosed in Appendix A). The results of the Phase II ESA identified two tracts (Tracts 272 and 273) along Broad River Road that had indications of contaminated soils that may warrant consideration during project construction activities depending on the depths of disturbance. For Tract 272 (vacant former Shephard's Texaco gas station), in areas where contamination may occur, it was recommended that a qualified environmental professional screen the soils for contamination and disposal. For Tract 273 (vacant former Racetrac gas station), no recommendations were made beyond standard practices. If soils are encountered which exhibit odor or other indications of contamination, work shall cease until the site is evaluated by an environmental professional (see environmental commitment number 25 from Chapter 3, Section 3.12).

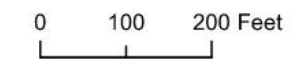


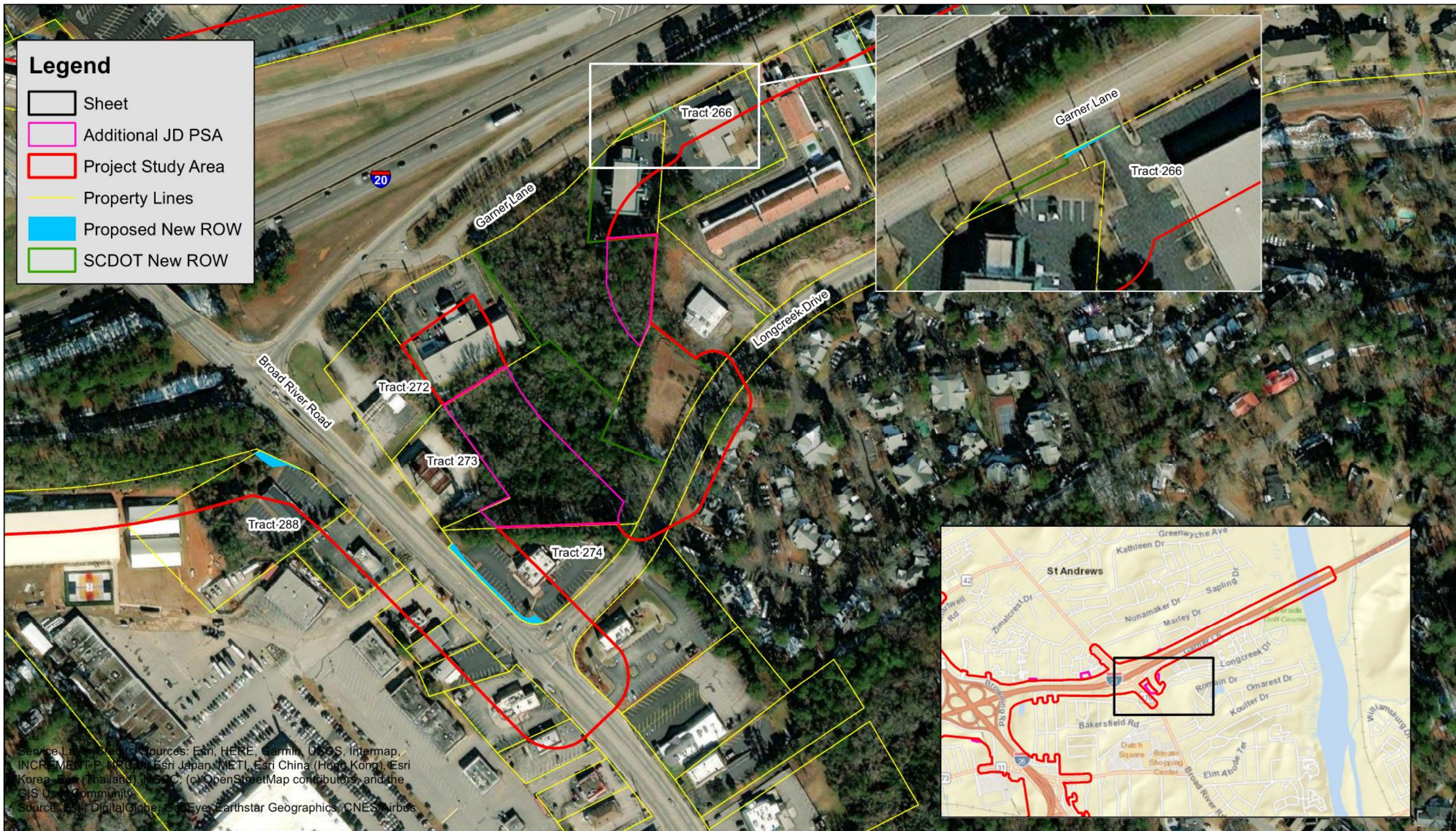
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Figure 2.1: Right-of-Way Impact Change

Carolina Crossroads Phase 2





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Date: 08.11.2022



Figure 2.2: Right-of-Way Impact Change

Carolina Crossroads Phase 2

0 100 200 Feet



Noise

An addendum to the noise analysis was conducted to evaluate and document the geometric alignment changes proposed by the design-build team (enclosed in Appendix B). Sound levels were evaluated for the noise receivers within four noise sensitive areas (NSAs)—Q, R, S, and T—as a result of the design revisions. An NSA is a group of receptors that are situated in a single geographic area and might be protected by a single noise barrier. The CCR project area was divided into NSAs to make the noise analysis process more organized. Four noise barriers were re-evaluated based on the revised design. Overall, there is an increase in the total number of impacts (impacted receivers) when compared to the May 2019 FEIS. The increase is likely due to changes to the traffic volumes, truck percentages, and roadway geometry in the alternative design. Overall, with the design revisions there is a reduction in the number of impacted receivers in NSA Q and an increase in impacted receivers in NSA S and NSA T with the alternative design when compared to the May 2019 FEIS and an increase in impacted receivers in NSA R when compared to the October 2020 noise addendum. A total of 41 more receivers would be impacted by noise from the alternative design. The feasibility, reasonableness, and design of Noise Barriers Q, R, S, and T were re-evaluated as part of this addendum. This re-evaluation determined whether these four noise barriers would pass the feasible and reasonable criteria to construct each noise barrier. Based on the SCDOT Traffic Noise Abatement Policy (2019), Noise Barriers R and S meet SCDOT’s noise policy and are feasible and reasonable to construct. Therefore, Noise Barriers R and S were recommended for construction; however, Noise Barriers Q and T were feasible but not reasonable to construct based on the design revisions and were not recommended for construction. A summary of the four noise walls evaluated is included in **Table 2**, including a comparison of the noise impacts (number of impacted receivers) for the FEIS, the October 2020 noise addendum, and the final design.

Table 2. Noise Barriers Q, R, S, and T

Barrier ID	Station range (along I-20)	Barrier length (feet)	Impacts in FEIS	Impacts in October 2020	Impacts for 2022 final design	Total difference	Feasible/ Reasonable?
Q	122+60–194+55	3,362	48	-	43	-5	Yes/No
R	216+73–258+67	4,200	78	77	84	+7	Yes/Yes
S	215+73–257+62	4,189	159	-	174	+15	Yes/Yes
T	161+95–198+06	3,660	20	-	24	+4	Yes/No

A parallel barrier analysis was also conducted. A parallel barrier analysis is recommended when noise barriers are proposed on opposing sides of the roadway where the ratio of the distance between the noise barriers and the height of the noise barrier panels is less than 10:1. Portions of Noise Barriers R and S meet this criterion; therefore, the analysis was conducted at ten receivers across the length of the proposed barriers. Sound levels for Noise Barrier R may increase due to the sound reflecting between the parallel

barriers; however, the increase is less than 3.0 dBA so no action is required for absorptive treatment for the noise barriers.

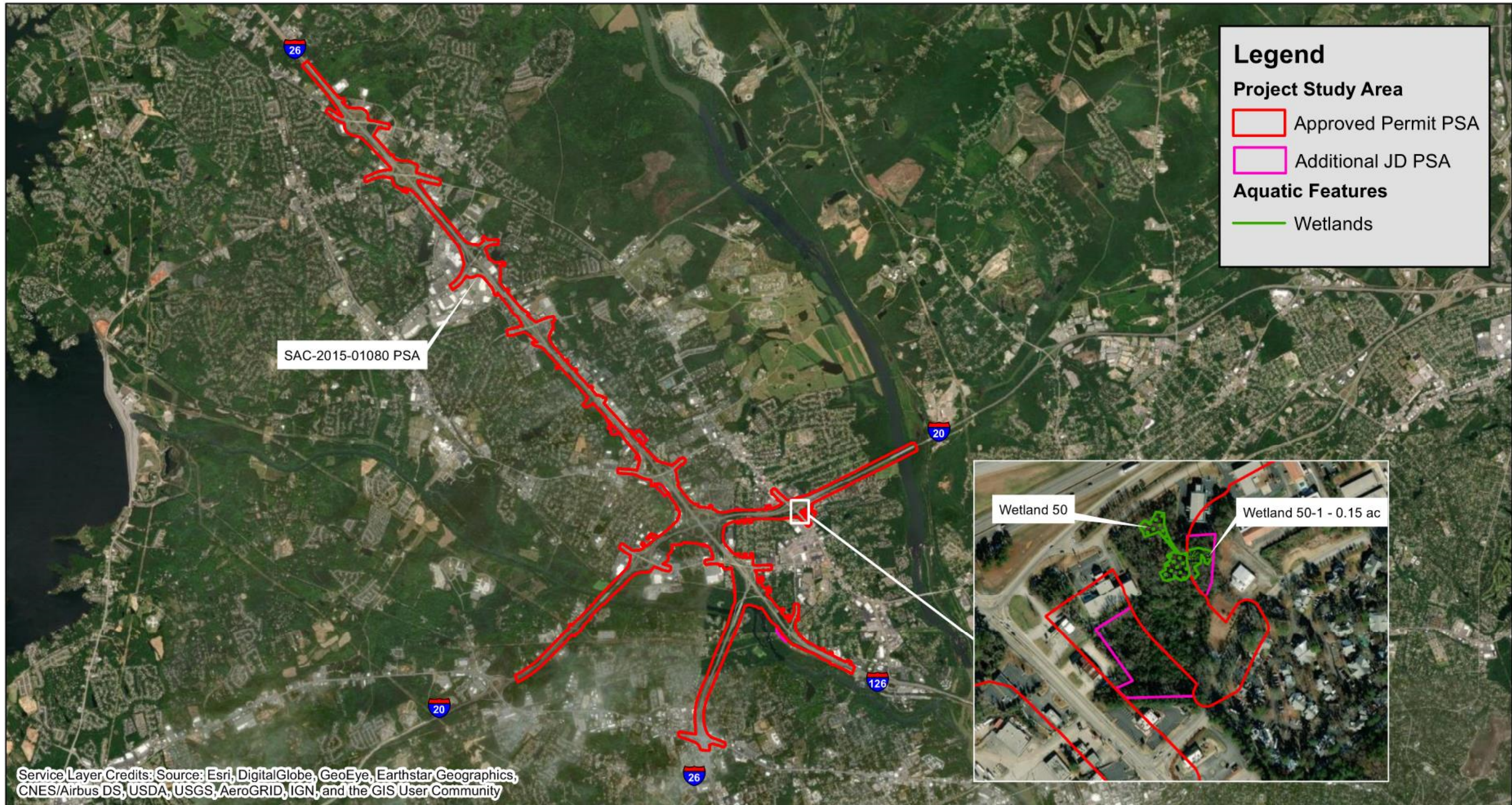
Waters of the U.S./Section 404 Permit Modification

The design modifications would result in a change in impacts to waters of the U.S. (WOUS), which have been permitted through a Department of Army, Corps of Engineers Permit pursuant to Section 404 of the Clean Water Act (SAC-2015-01080). This permit authorized a total of 12,969 linear feet of stream impacts and 4.42 acres of wetland impacts, which were mitigated through a permittee-responsible mitigation (PRM) plan.

The final design results in an expansion of the existing (approved permit) PSA to fully encompass the proposed footprint. The additional areas outside the existing PSA for the entire CCR project encompasses 24.6 acres. The additional PSA was evaluated for presence of wetlands or other WOUS. One wetland feature was identified within the additional PSA footprint in CCR Phase 2—new Wetland 50-1 totaling 0.15 acre. There are no proposed impacts to the newly identified Wetland 50-1. The additional PSA including new Wetland 50-1 is depicted in **Figure 3** and is documented in a permit modification for CCR Phases 1 and 2.

The total stream/tributary and wetland impacts associated with CCR Phase 2 are consistent with the approved permit, with an overall net reduction in impacts to WOUS as a result of final roadway and drainage design. Specifically, the proposed modifications will result in a net reduction of 0.40 acre of wetland impacts and 111 linear feet of stream impacts. The reduction in wetland impacts is primarily due to reduced impacts to Wetlands 50 and 18. For stream impacts, final drainage design will result in an increase in impacts to Tributary 36; however, impacts to Tributary 35 will decrease, resulting in a net reduction. Additionally, the approved permit contained a special condition (g) regarding Tributary 39, specifically that impacts to Tributary 39 cannot commence until USACE has provided written notice to proceed and written approval of a final compensatory mitigation plan for the stream relocation impacts to Tributary 39. The approved permit documented 170 linear feet of (pipe) impacts, and 2,295 linear feet of relocation impacts to Tributary 39. Due to final roadway and drainage design, the proposed pipe impacts to Tributary 39 have been eliminated and replaced with an open channel (relocation impacts). Therefore, the total impacts to Tributary 39 have been revised to 2,465 linear feet of relocation and no pipe impacts. The proposed activity will not result in a loss of function to Tributary 39 and no additional compensatory mitigation is proposed. These impacts are documented in the permit modification and accompanying Tributary 39 Mitigation Plan for SAC 2015-01080.

The proposed impacts have been mitigated through the previously approved PRM plan and no additional mitigation is required due to the reduction in impacts. The revised total WOUS impacts are 12,828 linear feet of streams and 4.02 acres of wetlands. A permit modification reflecting the final impact totals, including mitigation credits and the Tributary 39 mitigation plan, for individual permit SAC-2015-01080 was submitted to the U.S. Army Corps of Engineers in April 2022.



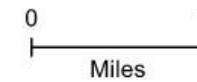
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Date: 08.11.2022



Figure 3: Additional Project Study Area

Carolina Crossroads Phase 2



Public Involvement

Updates are provided regularly on the project website and social media pages (Facebook and Twitter), and with quarterly newsletters. A press release was issued on August 9, 2021, announcing the commencement of CCR Phase 2.

Environmental Commitments

SCDOT and FHWA previously identified various environmental commitments to avoid and minimize impacts to the surrounding human and natural environment (attached). These commitments are documented in the FEIS/ROD and the contract documents associated with the design-build procurement. No new commitments are proposed for these modifications. However, the following existing commitment (number 25 from Chapter 3, Section 3.12) must be followed for the newly identified tracts along Broad River Road that had indications of contaminated soils:

If avoidance of hazardous materials is not a viable alternative and soils that appear to be contaminated re encountered during construction, the South Carolina Department of Health and Environmental Control (SCDHEC) will be informed immediately. Hazardous materials will be tested and removed and/or treated in accordance with the United State Environmental Protection Agency and SCDHEC requirements, if necessary. SCDHEC Hazardous Waste Treatment, Storage, and Disposal compliance staff can be contacted at 803-898-0290.

Summary

The potential impacts associated with the continued negotiation and acquisition of right-of-way, as well as with the design changes to CCR Phase 2 have been evaluated to ensure consistency with the original decisions made in the FEIS/ROD. The RRPA for CCR Phase 2 has been modified to provide an alternate design for the I-20 at US 176 (Broad River Road) interchange (Exit 65). The proposed modified design was chosen as the preferred concept based on constructability, cost effectiveness, and traffic operations and includes all new entrance and exit ramps, and two new “crossover” intersections instead of a single point intersection. The proposed modified design will require a minor amount of additional right-of-way but will not result in any displacements. A limited Phase I was conducted of the new right-of-way areas, and two additional tracts were recommended for Phase II investigations. A Phase II was also conducted on previously identified sites, which recommended one of those tracts for further screening. Potential noise impacts associated with the proposed design was reevaluated for four noise barriers, with the no change from the determination in the FEIS/ROD. Two noise barriers (R and S) are still warranted, and two barriers (Q and T) are not proposed for construction. Finally, the proposed design will result in a net loss of impacts to wetlands and other WOUS, but will require modification of the Section 404, Department of Army Permit SAC-2015-01080. As such, the impacts associated with the proposed design of CCR Phase 2 are similar to the impacts of the RRPA, and consistent with the overall findings and decision documented in the FEIS/ROD.

Table 3. Summary of impact changes since FEIS/ROD

Environmental criteria	Impact change
Right-of-way	0.76 acre increase over 12 tracts
Hazardous materials	ROW from 5 potential RECs
Noise	21 additional noise impacts (net)
WOUS (wetlands)	Net reduction of 0.40 acre
WOUS (streams)	Net reduction of 111 linear feet



Appendix A: Phase I and Phase II ESAs

Carolina Cross Roads
Additional ROW Study Areas Near I-20
and Broad River Road
Richland County, South Carolina

Corridor / Phase I Environmental Site
Assessment

April 18, 2022

ARM Project #08-300-22

Prepared For:

Infrastructure Consulting & Engineering
Columbia, South Carolina





TABLE OF CONTENTS

1.0 - Summary	Page 1
2.0 - Introduction	Page 3
3.0 - Site Description	Page 5
4.0 – User Provided Information	Page 5
5.0 – Records Review	Page 7
6.0 – Site Reconnaissance	Page 14
7.0 – Interviews	Page 15
8.0 – Findings	Page 16
9.0 – Opinion	Page 16
10.0 – Conclusions	Page 16
11.0 – Deviations	Page 18
12.0 – Additional Services	Page 18
13.0 – References	Page 18
14.0 – Signature(s) of Environmental Professional(s)	Page 20
15.0 – Qualifications of Environmental Professional(s)	Page 20
16.0 – Warranty	Page 20
17.0 – Appendices	
17.1 Site (Vicinity) Map – Figure 1	
17.2 Site Plans – Figures 2 through 3	
17.3 Site Photographs	
17.4 Historical Research Documentation	
17.5 Regulatory Records Documentation	
17.6 Interview Documentation	
17.7 Special Contractual Conditions Between User and Environmental Professional	
17.8 Qualifications of the Environmental Professional	

1.0 Summary

ARM Environmental Services, Inc. (ARM) has completed a Corridor / Phase I Environmental Site Assessment (ESA) of six potential new right of way areas along Broad River Road, near I-20, in Richland County, South Carolina. The study areas include six small areas of potential new right of way on the northeast and southwest sides of Broad River Road. Four of the areas are northwest of the I-20 / Broad River Road interchange and two are southeast of the I-20 / Broad River Road interchange. The study area locations have been designated by ARM as 1 through 6, going from northwest to southeast, as indicated on Figure 2 and Figure 3, included in Appendix 17.1. Due to the multi-property nature of this project, the scope of the assessment has been modified to be more general relative to the ASTM 1527-13 standard. The purpose of this assessment was to identify any Recognized Environmental Conditions (RECs) present on, or located in close proximity to, the study areas, so that these conditions can be considered during the roadway construction planning process.

Sites considered to represent current, historic, and/or controlled RECs were identified within the scope of this assessment. Based on the findings of this assessment and the available information, the following sites are considered to represent a **moderate to high potential** for adverse impact to one or more of the study areas:

- Proposed new ROW area #3 is located adjacent to the southwest of the Pon Di River restaurant, at 2344 Broad River Road. The Pon Di River restaurant property is the former location of a gas station and is further discussed in Section 5.1. Based on the available information, the property at 2344 Broad River Road is considered to represent a moderate to high potential for adverse impact to Proposed new ROW area #3.
- A Gulf Service station was formerly located at 2123 Broad River Road. This is the current location of an Affordable Dentures and Implants business, which is located adjacent to the south of Area #5. Abandoned monitoring wells were observed here in close proximity to the proposed new ROW area #5. This site is further discussed in Section 5.1 and is considered to represent a moderate to high potential for adverse impact to the proposed new ROW area #5.

Based on the findings of this assessment and the available information, the following sites are considered to represent a **low to moderate** potential for adverse impact to one or more of the study areas:

- Abandoned monitoring wells were observed at the motel property, at 1029 Briargate Circle, located adjacent to the southwest of potential new ROW area #4. These monitoring wells are further discussed in Section 5.1. No data was available for these wells. While these monitoring wells may be related to past assessment of the 2224 Broad River Road site, the presence of these wells in close proximity to the proposed new ROW Area #4 is considered to represent a low to moderate potential for adverse impact to the proposed new ROW Area #4.

Upon completion of preliminary engineering plans, it may be warranted to conduct FOIA file reviews and/or detailed investigations of those suspect sites potentially impacted by the roadway improvements, or any portion of the study area that has the potential to have been adversely impacted by any of the referenced environmental sites. The determination of areas that may warrant Phase II Assessment services should be site specific, based on hydrogeologic conditions, distance from specific environmental concerns, and other relative factors. Specific Phase II Assessment recommendations can be formulated upon review of preliminary engineering and right of way plans and may include soil / groundwater sampling and/or additional regulatory file review under the FOIA process.

2.0 Introduction

Pursuant to authorization from Infrastructure Consulting and Engineering (ICE), ARM has completed a Corridor / Phase I Environmental Site Assessment (ESA) of six potential new right of way areas along Broad River Road, near I-20, in Richland County, South Carolina. The study areas include six small areas of potential new right of way on the northeast and southwest sides of Broad River Road. Four of the areas are northwest of the I-20 / Broad River Road interchange and two are southeast of the I-20 / Broad River Road interchange.

Due to the multi-property nature of this project, the scope of the assessment has been modified to be more general relative to the ASTM 1527-13 standard. Specific processes that are typically not conducted as part of a Corridor / Phase I ESA include detailed reviews of chain of title data and interviews with all property owners.

2.1 Purpose

The purpose of this assessment was to identify any RECs or liabilities present within, or located in close proximity to, the study area. The term *recognized environmental conditions* means the presence, or likely presence, of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment (ASTM E 1527-13).

2.2 Detailed Scope of Services

This assessment was conducted in general accordance with ASTM Standard E 1527-13 for Phase I ESAs. Per this standard, the ESA is composed of four parts. They are (1) Records Review, (2) Site Reconnaissance, (3) Interviews, and (4) Report.

2.3 Significant Assumptions

The purpose of this study is to define and report RECs. This study does not address or relate to “de minimis” conditions that do not present a material threat to health or the environment and generally would not be the subject of an enforcement action by a governmental agency. It is assumed that the user of this ESA expects this study to constitute all appropriate inquiry in order to satisfy one of the requirements to qualify for one or more of the landowner liability protections (LLPs) to CERCLA liability.

This environmental assessment was accomplished based on customary practices and the type of property involved. The following are some issues or conditions which are outside the scope of work for a Phase I ESA as defined by ASTM E 1527: Asbestos Containing Materials, Radon, Lead-Based Paint, Lead in Drinking Water, Wetlands, Regulatory Compliance, Cultural and Historic Resources, Industrial Hygiene, Health and

Safety, Ecological Resources, Endangered Species, Flood Plains/Flood Ways, Indoor Air Quality, and High Voltage Power Lines.

The accuracy of this environmental assessment partially depends on information provided by others. ARM cannot be responsible for the accuracy of information provided by other entities or persons. However, we have no reason to suspect that any of the information provided is inaccurate. With regard to the interviews, it is assumed that those interviewed responded in good faith and honestly.

ARM assumes no liability for changes in the fair market value of the property as a result of the performance of the environmental assessment activities, or disclosures of environmental conditions relating to the property.

2.4 Limitations and Exceptions of Assessment

This study was accomplished using the ASTM E 1527-13 guidelines for all appropriate inquiry and the environmental professional's best judgment. The environmental site assessment cannot wholly eliminate uncertainty regarding the potential for environmental conditions to exist on the subject site or adjoining properties. Performance of the study under the referenced ASTM guidelines is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Study area. ASTM recognizes reasonable limits with regard to time and cost.

Due to the multi-property nature of this project, the scope of the assessment has been modified to be more general relative to the ASTM 1527-13 standard. Specific processes that are typically not conducted as part of a Corridor / Phase I ESA include detailed reviews of chain of title data and interviews with all property owners. Vapor intrusion was not considered as part of this assessment as it is understood that the project involves roadway construction and not evaluation, renovation, or the construction of buildings or other structures that would potentially collect vapors. However, any sites that have been identified as potential sources of soil and/or groundwater contamination to the study area, would also represent the potential to impact the study area through vapor encroachment. It is recommended that vapor issues be evaluated on a site specific basis, for any part of the roadway improvement project with potential or documented soil or groundwater contamination.

2.5 Special Terms and Conditions

This scope of work has been conducted for Infrastructure Consulting and Engineering (ICE), of Columbia, SC.

2.6 User Reliance

This scope of work has been conducted solely for the user(s) identified on the cover sheet of this report. ARM has no present or contemplated future interest in the inspected property. User reliance may be amended by letter to include other parties,

such as involved lenders, as deemed appropriate by ARM **and** pursuant to permission granted to ARM from the originally identified user.

3.0 Site Description

A general site description, site location, uses of adjacent properties, and general background information for the study area is summarized in the following sections. Photographic documentation of the study area is included in Appendix 17.3.

3.1 Location and Description

The study areas include six small areas of potential new right of way on the northeast and southwest sides of Broad River Road. Four of the areas are northwest of the I-20 / Broad River Road interchange and two are southeast of the I-20 / Broad River Road interchange. The study area locations have been designated by ARM as 1 through 6, going from northwest to southeast, as indicated on Figure 2 and Figure 3, included in Appendix 17.1.

3.2 Site and Vicinity General Characteristics

The study areas are described in Section 3.1 and 3.4. The general vicinity of the study areas consists primarily of commercial properties.

3.3 Current Use of the Property

The study areas are primarily grassed road frontage or paved parking areas of commercial properties.

3.4 Descriptions of Structures, Roads, and Improvements on Site

The study areas are primarily grassed road frontage or paved parking areas of commercial properties. Portions of the various commercial properties fall within the study area boundaries.

3.5 Current Uses of Adjoining Properties

Adjoining properties consist of primarily commercial development.

4.0 User Provided Information

4.1 Title Records

As this Phase I ESA has been modified to fit a corridor type project, the review of chain of title information for multiple properties was not conducted as part of this assessment.

4.2 Environmental Liens or Activity and Use Limitations (AULs)

No information regarding environmental liens or AULs was provided. As this Phase I ESA has been modified to fit a corridor type project, the review of this type of information for multiple properties was not included in the scope of this assessment.

4.3 Specialized Knowledge

No specialized knowledge or other information relevant to environmental conditions in the study area was provided.

4.4 Commonly Known or Reasonably Ascertainable Information

No commonly known or reasonably ascertainable information relevant to environmental conditions in the study area was provided.

4.5 Valuation Reduction for Environmental Issues

Property valuation information was not provided. The intent of this Phase I ESA is to act as a corridor study of potential new ROW areas.

4.6 Owner, Property Manager, and Occupant Information

As this Phase I ESA has been modified to fit a corridor type project, the collection and review of this type of information for these multiple properties of ownership data was not included in the scope of this assessment.

4.7 Reason for Performing Phase I

The Phase I ESA has been requested to document the environmental conditions in the study areas so that alternatives for roadway construction within the study areas can be considered.

4.8 Other

The User provided previous Phase I ESA reports, dated June 2017, for four nearby properties, prepared by F&ME Consultants. These reports are referenced in Section 13.0.

5.0 Records Review

5.1 Standard Environmental Record Sources

Federal and State regulatory databases were reviewed to further identify any known sources of contamination located within a one mile or one-half mile radius of the Study area. The Federal records searched during this assessment included sites which handle or dispose of hazardous wastes or hazardous materials, and sites which otherwise have been identified to have air, soil, or groundwater contamination. The State records reviewed included hazardous waste sites, landfills, and sites with registered or leaking underground storage tanks. The environmental record search information is provided by Environmental Data Resources, Inc. (EDR). The EDR database report is provided in Appendix 17.5.

The regulatory databases and target radius for each database are as follows:

Federal Databases

NPL	National Priorities List (1.0 mile radius, 0.5 if delisted)
CERCLIS	EPA Comprehensive Environmental Response, Cleanup and Liability Information System (0.5 mile radius)
CERCLIS NFRAP	CERCLIS No Further Remedial Action Planned (property and adjoining property)
RCRA CORRACTS	Resource Conservation and Recovery Act Facilities that have been notified by the EPA to undertake corrective action under RCRA (1.0 mile radius)
RCRA TSD	RCRA Non-CORRACTS Treatment/Storage/Disposal Facilities (0.5 mile radius)
RCRA Generators	RCRA generators of hazardous waste (property and adjoining property)
AULs	Activity and use limitations – legal or physical restrictions or limitations on use (property)
ERNS	Emergency Response Notification System (property)

State Databases

SHWS	
Equivalent NPL	(1.0 mile radius)
Equivalent CERCLIS	(0.5 mile radius)
SWF/LF	Landfill/Solid Waste (0.5 mile radius)
LUST	Leaking Underground Storage Tank sites (0.5 mile radius)

RUST	Registered Underground Storage Tank sites (property and adjoining property)
AULs	(property)
Voluntary Cleanup Sites	(0.5 mile radius)
Brownfield Sites	(0.5 mile radius)

Regulated Facilities

The following regulated sites were identified within the research distances from the study area as defined above. Details gathered during the investigative process, including site visits, for sites deemed to represent greater than a low potential for adverse impact to the study area are also provided following the list. Additional regulatory database descriptions are included in Section 17.5.

- Metts Oil Company
2340 Broad River Road, located adjacent to the northeast of Area #3
EDR Historical Auto Stations (Metts Oil Co., 1977-1979)
- Gulf Service Station
2123 Broad River Road, located adjacent to Area #5
LUST site, DHEC ID #07342; EDR Historical Auto Stations (Robertsons Gulf Service, 1970-1989)
- Racetrac 978
2114 Broad River Road, located adjacent to Area #6 and approximately 170 feet east of Area #5
LUST site, DHEC ID #07910
- Carolina Industrial, Inc.
2428 Broad River Road, located approximately 80 feet northeast of Area #1 and 160 feet northwest of Area #2
RCRA VSQG site, EPA ID #SCR000003491
- McQuiks Oil Lube
2121 Broad River Road, located approximately 80 feet west of Area #6 and approximately 150 feet southeast of Area #5
LUST site, DHEC ID #10130; EDR Historical Auto Stations (Mobil Oil Corp, 1973-1982)
- Shepperds Texaco
2116 Broad River Road, located approximately 100 feet northeast of Area #5
LUST site, DHEC ID #07605
- Texaco Service
Broad River Road at I-20, located approximately 100 feet northeast of Area #5
LUST site, DHEC ID #07628

- Exxon Location 4 5015
2220 Broad River Road, located approximately 100 feet northeast of Area #4
RCRA VSQG, EPA ID #SCD987578234
- R A S 45015
2220 Broad River Road, located approximately 100 feet northeast of Area #4
UST site, DHEC ID #11892
- Circle K 2703105
2220 Broad River Road, located approximately 100 feet northeast of Area #4
LUST site, DHEC ID #07648; EDR Historical Auto Stations (Shealy Miller Esso,
Broad River Exxon, Garvin Oil Company, 1969-2014)
- Port Unit 288
2224 Broad River Road, located approximately 100 feet northeast of Area #4
LUST site, DHEC ID #07758; EDR Historical Auto Stations (Fox Shell Service
Station, 1974-1976)
- Yokahama Tire
2341 Broad River Road, located approximately 130 feet west of Area #4
LUST site, DHEC ID #18544
- Columbia Fire Department St. Andrews
1225 Briargate Circle, located approximately 275 feet southwest of Area #2
LUST site, DHEC ID #07326
- Constan, Inc.
2505 Broad River Road, located approximately 350 feet northwest of Area #1
LUST site, DHEC ID #07925
- Circle K 2705138
2624 Broad River Road, located approximately 550 feet northwest of Area #1
LUST site, DHEC ID #11013
- Former USA Service Station
Dutch Square Mall, located approximately 900 feet south of Area #6
LUST site, DHEC ID #16612
- Pep Boys 134
1804 Broad River Road, located approximately 1,015 feet southeast of Area #6
LUST site, DHEC ID #18230

- Frasier Tire Service
828 Dutch Square Blvd, located approximately 1,300 feet southwest of Area #6
LUST site, DHEC ID #14101
- Palmetto Fine Cleaners
1718 Broad River Road, located approximately 1,530 feet southeast of Area #4
SHWS site, DHEC ID #SCDRY0053089, SC Drycleaners site, DHEC ID #53089
- Speedway 2842
1714 Broad River Road, located approximately 1,600 feet southeast of Area #6
LUST site, DHEC ID #18230
- Suburban Lodge
1633 Broad River Road, located approximately 1,900 feet south-southeast of Area #6
SHWS site, DHEC ID #SCS123457099
- Former Ed Robinson Laundry and Drycleaning
Dutch Square Mall, located approximately 1,900 feet south-southeast of Area #6
SHWS site, DHEC ID #SCDRY0056170
- Former Brite Cleaners
422 Bush River Road, located approximately 2,900 feet south of Area #6
SHWS site, DHEC ID #SCS123457021; Voluntary Cleanup Program site, DHEC File #57278
- Deluxe Cleaners
3007 Broad River Road, located approximately 3,080 feet northwest of Area #1
SHWS site, DHEC ID #SCDRY0056072; SC Drycleaners site, DHEC ID #56072
- Tripps Fine Cleaners
1339 Broad River Road, located approximately 3,500 feet south-southeast of Area #6
SHWS site, DHEC ID #SCDRY0051271; SC Drycleaners site, DHEC ID #51271
- Arnolds Professional Garment Care
3104 Broad River Road, located approximately 3,750 feet northwest of Area #1
SHWS site, DHEC ID #SCDRY0051118; SC Drycleaners site, DHEC ID #51118

The Metts Oil Company site, listed at 2340 Broad River Road in the EDR Historical Auto Stations database, appears to be a former service station. The current 2340 Broad River Road address is that of a large office building that is the former location of a Home Quarters (HQ) Warehouse home improvement store. However, historical aerial photographs do not clearly show a service station at the location of the former HQ store. Based on the 1971 aerial photograph, the current location of the Pon Di River restaurant, at 2344 Broad River Road, is the likely location for the former service station. ARM

obtained the most recent assessment report for the Speedway Super America site at 2224 Broad River Road, dated February 26, 2021 from DHEC. The report shows two separate plumes of contamination, one of which appears to originate from a presumed source area on the Pon Di River property (former Applebees). According to the report for 2224 Broad River Road, the former Applebees site is DHEC ID #18726. However, the online UST database does not pull this site up for this ID number. The report includes a plume map that shows the groundwater contamination at the former Applebees site, including free product, to be encroaching close to the proposed new ROW Area #3. Additionally, it is unknown if USTs at the former Applebees property were ever removed. A source area for the groundwater contamination, either remaining tanks or contaminated soil, is likely present here in close proximity to the proposed new ROW Area #3. Therefore, based on the available information, the former Metts Oil site (on the Pon Di River / former Applebees property) is considered to represent a moderate to high potential for adverse impact to the proposed new ROW Area #3.

The above referenced report for Speedway Super America also indicates the presence of three abandoned monitoring wells on the hotel property located adjacent to the southwest of proposed new ROW Area #4. No data was available for these wells. While these monitoring wells may be related to past assessment of the 2224 Broad River Road site, the presence of these wells in close proximity to the proposed new ROW Area #4 is considered to represent a low to moderate potential for adverse impact to the proposed new ROW Area #4.

The above referenced report for Speedway Super America also indicates that Performance Auto at 2341 Broad River Road, located approximately 50 feet northwest of proposed new ROW Area #4, also historically utilized USTs. However, monitoring wells located on or near 2341 Broad River Road, do not show current impact. Therefore, the property at 2341 Broad River Road is considered to represent a low potential for adverse impact to the proposed new ROW Area #4.

A Gulf Service station was formerly located at 2123 Broad River Road. This is the current location of an Affordable Dentures and Implants business, which is located adjacent to the south of Area #5. Stephanie Briney, Manager of the Corrective Action and Field Support Section of the DHEC UST Management Division, provided the latest Groundwater Monitoring Report, dated July 13, 2017, for the former Gulf Service Station #24132. The referenced report indicated the presence of petroleum based groundwater contamination in the vicinity of the proposed new right of way #5 near Broad River Road. Therefore, this former Gulf Service station is considered to represent a moderate to high potential for adverse impact to the study area.

The former McQuicks Oil Lube facility, at 2121 Broad River Road, is located adjacent to the southeast of the above referenced former Gulf Service station and approximately 80 feet west of Area #6 / 150 feet southeast of Area #5. Based on the 1978 city directory, the site is also the former location of a Mobil Oil gas station. Previous (June 2017) Phase I ESA assessment information prepared for the Carolina Cross Roads project by F&ME Consultants, included a Groundwater Monitoring Report, dated October 9, 2013,

for the former McQuicks Oil Lube facility. The report indicates groundwater to be flowing to the northwest and does not show petroleum based contamination to be encroaching toward either Area #5 or Area #6. Based on the available information, the former McQuicks Oil Lube facility is considered to represent a low potential for adverse impact to the study area.

Several other regulated sites were identified within the research distances of the study areas. Based on the available information and the locations of the other listed sites relative to the study areas, the other listed sites are considered to represent a low potential for adverse impact to the study areas.

5.2 Additional Environmental Record Sources

Additional environmental record sources (ASTM non-standard), as listed in the search of environmental databases provided by EDR, were reviewed as they were encountered in the EDR report and as considered appropriate.

5.3 Physical Setting Sources

ARM reviewed the following sources regarding the physical setting of the study area and surrounding area:

- USGS Topographic Map, 7.5 minute series – Columbia North, (SC) Quadrangle, dated 2020

According to the contour lines on the USGS topographic maps reviewed for this assessment, the study areas are located approximately 330 feet above mean sea level. Topography in the area is of moderate relief. The section of Broad River Road that is adjacent to the study areas is generally located along a topographic ridge, with topography on the northeast side of the road generally sloping away to the northeast and topography on the southwest side of the road generally sloping away to the southwest. Shallow groundwater flow direction is expected to generally mirror surface topography.

The study areas are located within the Piedmont Physiographic Province of South Carolina (Maybin and Nystrom, 1997). The site is located in the Mylonitic Rocks of the Modoc Fault Zone, with major lithological constituents being tectonite and mylonite (Horton and Dicken, 2001).

5.4 Historical Use Information on the Property

Aerial Photographs

Aerial photographs, dated 1938, 1943, 1951, 1955, 1964, 1966, 1971, 1983, 1989, 1994, 2006, 2009, 2013, and 2017 were obtained from EDR. General conditions in the aerial photographs appeared as follows and further details discerned from the aerial

photographs or other historical sources regarding localized areas or individual properties may be located throughout this report.:

The general vicinity of the study areas appears rural, agricultural, and lightly residential through the 1955 photograph. By 1964, the area is becoming slightly more developed, with a mix of residential properties and commercial properties. The 1964 photograph also shows the Broad River Road / I-20 interchange under construction. The 1971 photograph shows greater commercial development in the area, including several of the gasoline stations discussed in previous sections. By the 1983 photograph, the area along Broad River Road appears predominantly commercial.

Historical Topographic Maps

Historical topographic maps from the years 1904, 1947, 1948, 1972, 1983, 1990, 1997, 2014, 2017, and 2020 were provided by EDR.

The general vicinity of the study areas is shown to be predominantly rural and only lightly developed through the 1948 map. The 1972 map shows the area becoming more developed with a mix of residential and commercial properties. The Broad River Road / I-20 interchange is also depicted on the 1972 map. Successive maps appear to show more and more commercial development; however, significant industrial development is not apparent in the general area of this portion of Broad River Road.

Historical City Directories

City directories contained in the previous 2017 F&ME Phase I Assessments were reviewed. The directories included the address range of the currently proposed new ROW areas and included the years 1970, 1973, 1978, 1983, 1988, 1992, 1995, 1999, 2003, 2008, and 2013. The reviewed city directories were in substantial agreement with other historical sources reviewed. However, a listing for the Metts Oil Company site, listed at 2340 Broad River Road in the EDR Historical Auto Stations database, was not evident in the city directories.

Summary

The available historical information indicates that the vicinity of the study areas has transitioned from rural / agricultural / light residential to predominantly commercial beginning in the 1970s. Although commercial development and the development of several gas stations has occurred near the study areas, no significant industrial development was apparent in the review of available historical sources.

6.0 Site Reconnaissance

6.1 Methodology and Limiting Conditions

ARM conducted the site walkover/ reconnaissance on April 13, 2022, in order to obtain any information regarding current conditions. Representative photographs of the study area were taken and are included in Appendix 17.3.

6.2 General Site Setting

The study area location is indicated on Figure 1 included in Appendix 17.1. Site plans showing the general study area layout are included as Figures 2 and 3 in Appendix 17.2. Sections 3.1, 3.2 and 3.4 of this report detail the general setting of the study areas. The adjoining properties have been described in Section 3.5 of this report. The pertinent information collected during the site inspection is summarized in the following sections. The study areas are primarily grassed road frontage or paved parking areas of commercial properties.

6.3 Observations

The study areas include six small areas of potential new right of way on the northeast and southwest sides of Broad River Road. Four of the areas are northwest of the I-20 / Broad River Road interchange and two are southeast of the I-20 / Broad River Road interchange. The study area locations have been designated by ARM as 1 through 6, going from northwest to southeast, as indicated on Figure 2 and Figure 3, included in Appendix 17.1. The general vicinity of the study areas consists primarily of commercial properties. Details regarding sites identified in the regulatory review process are provided in Section 5.0.

Based on the site reconnaissance and available information, there is a low potential for adverse impact to proposed new ROW area #1

Proposed new ROW #2 is adjacent to the southeast of a former car wash (2416 Broad River Road) and a tire shop (2420 Broad River Road). There was no evidence in the historical review or site observations that would indicate these properties were gas station related. Therefore, these properties are considered to represent a low potential for adverse impact to proposed new ROW #2.

Proposed new ROW area #3 is located adjacent to the southwest of the Pon Di River restaurant, at 2344 Broad River Road. The Pon Di River restaurant property is the former location of a gas station and is further discussed in Section 5.1. Based on the available information, the property at 2344 Broad River Road is considered to represent a moderate to high potential for adverse impact to Proposed new ROW area #3.

Abandoned monitoring wells were observed at the motel property, at 1029 Briargate Circle, located adjacent to the southwest of potential new ROW area #4. These monitoring wells are further discussed in Section 5.1. No data was available for these wells. While these monitoring wells may be related to past assessment of the 2224 Broad River Road site, the presence of these wells in close proximity to the proposed new ROW Area #4 is considered to represent a low to moderate potential for adverse impact to the proposed new ROW Area #4.

A Gulf Service station was formerly located at 2123 Broad River Road. This is the current location of an Affordable Dentures and Implants business, which is located adjacent to the south of Area #5. Abandoned monitoring wells were observed here in close proximity to the proposed new ROW area #5. This site is further discussed in Section 5.1 and is considered to represent a moderate to high potential for adverse impact to the proposed new ROW area #5.

Proposed new ROW area #6 is located adjacent to the Kentucky Fried Chicken, at 2104 Broad River Road, along the road. Although the former Racetrac gas station is located adjacent to the northwest, based on the available assessment information for the Racetrac site, the nearby Racetrac site is considered to represent a low potential for adverse impact to proposed new ROW area #6. No other sites with a greater than low potential to adversely impact proposed new ROW area #6 were identified.

7.0 Interviews

Interviews were conducted as part of the Phase I ESA investigative process and are summarized below. Additional information related to the interviews may be contained in other sections of this report, as appropriate, and interview documentation is provided in Section 17.6. Due to the multi-property nature of this assessment the Phase I ESA has been modified to be more general in scope and to provide an overall assessment of a large area. Therefore, interviews with individual property owners / managers were not generally conducted, as it would have been prohibitively time consuming to locate ownership / manager information for these multiple parcels.

7.1 Interviews with Local Government Officials

Debra Thoma and Stephanie Briney of the DHEC UST Management Division provided recent assessment reports for several of the UST sites in the area. ARM also conducted file reviews for several sites through the DHEC freedom of information process. Pertinent information obtained is summarized in Section 5.1.

7.2 Interviews with Others

No other interviews were conducted.

8.0 Findings

The following summary of findings is provided:

- The study areas consist of six potential new right of way areas along Broad River Road, near I-20, in Richland County, South Carolina. The study areas include six small areas of potential new right of way on the northeast and southwest sides of Broad River Road. Four of the areas are northwest of the I-20 / Broad River Road interchange and two are southeast of the I-20 / Broad River Road interchange. The study areas are primarily grassed road frontage or paved parking areas of commercial properties. Portions of the various commercial properties fall within the study area boundaries. The study area locations have been designated by ARM as 1 through 6, going from northwest to southeast, as indicated on Figure 2 and Figure 3, included in Appendix 17.1.
- Several environmentally regulated facilities have been identified within or near the study area. These sites have been further described in Section 5.1. Based on the available information and locations of the sites, each site has been categorized as a Low (de minimis), Low to Moderate, or Moderate to High potential for adverse impact to the study area. Those sites with greater than a Low potential for adverse impact are considered to be RECs with respect to the study area. A summarized list of these sites considered to be RECs is included in the conclusions below.
- Sites of potential concern that were not identified on available database information were also noted during the investigative process. These sites have also been categorized by potential for adverse impact to the study area. A summarized list of these sites considered to be RECs is included in the conclusions below.

9.0 Opinion

Based on the site inspection, historical research, regulatory data review and interviews, it is the opinion of the environmental professional that RECs exist with respect to one or more of the study areas.

10.0 Conclusions

We have performed a Corridor / Phase I ESA in general conformance with the scope and limitations of ASTM Practice E 1527-13 of six potential new right of way areas along Broad River Road, near I-20, in Richland County, South Carolina. The study areas include six small areas of potential new right of way on the northeast and southwest sides of Broad River Road. Four of the areas are northwest of the I-20 / Broad River Road interchange and two are southeast of the I-20 / Broad River Road interchange. The study areas are primarily grassed road frontage or paved parking areas of commercial properties. Portions of the various commercial properties fall within the

study area boundaries. Any exceptions to, or deletions from, this practice are described in Sections 2.4 and 11.0. This assessment has revealed no evidence of RECs in connection with the study areas, except for the following:

Based on the findings of this assessment and the available information, the following sites are considered to represent a **moderate to high** potential for adverse impact to one or more of the study areas:

- Proposed new ROW area #3 is located adjacent to the southwest of the Pon Di River restaurant, at 2344 Broad River Road. The Pon Di River restaurant property is the former location of a gas station and is further discussed in Section 5.1. Based on the available information, the property at 2344 Broad River Road is considered to represent a moderate to high potential for adverse impact to Proposed new ROW area #3.
- A Gulf Service station was formerly located at 2123 Broad River Road. This is the current location of an Affordable Dentures and Implants business, which is located adjacent to the south of Area #5. Abandoned monitoring wells were observed here in close proximity to the proposed new ROW area #5. This site is further discussed in Section 5.1 and is considered to represent a moderate to high potential for adverse impact to the proposed new ROW area #5.

Based on the findings of this assessment and the available information, the following sites are considered to represent a **low to moderate** potential for adverse impact to one or more of the study areas:

- Abandoned monitoring wells were observed at the motel property, at 1029 Briargate Circle, located adjacent to the southwest of potential new ROW area #4. These monitoring wells are further discussed in Section 5.1. No data was available for these wells. While these monitoring wells may be related to past assessment of the 2224 Broad River Road site, the presence of these wells in close proximity to the proposed new ROW Area #4 is considered to represent a low to moderate potential for adverse impact to the proposed new ROW Area #4.

Upon completion of preliminary engineering plans, it may be warranted to conduct FOIA file reviews and/or detailed investigations of those suspect sites potentially impacted by the roadway improvements, or any portion of the study area that has the potential to have been adversely impacted by any of the referenced environmental sites. The determination of areas that may warrant Phase II Assessment services should be site specific, based on hydrogeologic conditions, distance from specific environmental concerns, and other relative factors. Specific Phase II Assessment recommendations can be formulated upon review of preliminary engineering and right of way plans and may include soil / groundwater sampling and/or additional regulatory file review under the FOIA process.

11.0 Deviations

This Phase I ESA was conducted in general accordance with ASTM Standard E 1527-13 for Phase I Environmental Site Assessments. However, due to the multi-property nature of this assessment the Phase I ESA has been modified to be more general in scope and to provide an overall assessment of a large area.

12.0 Additional Services

An Asbestos and Lead Based Paint Survey of the US 1 Bridge over the SCL RR No. 3 was also conducted. The results of the survey are provided under separate cover.

13.0 References

ASTM E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Environmental regulatory data, aerial photographs, historical topographic maps, and Sanborn Fire Insurance Map searches, provided by EDR, Inc.

Maybin and Nystrom, 1997, revised by Willoughby, Howard and Nystrom, 2005. Generalized Geologic Map of South Carolina; South Carolina Department of Natural Resources Geological Survey.

Horton, J.Wright, and Dicken, Connie L., 2001, Preliminary Geologic Map of the Appalachian Piedmont and Blue Ridge, South Carolina Segment: U.S. Geological Survey, Open-File Report 01-298, CD, scale 1:500,000.
<https://pubs.er.usgs.gov/publication/ofr01298>

Phase I Environmental Site Assessment: 2224 Broad River Road, Columbia, SC. Prepared by F&ME, June 14, 2017.

Phase I Environmental Site Assessment: 2220 Broad River Road, Columbia, SC. Prepared by F&ME, June 14, 2017.

Phase I Environmental Site Assessment: 2116 Broad River Road, Columbia, SC. Prepared by F&ME, June 14, 2017.

Phase I Environmental Site Assessment: 2108 Broad River Road, Columbia, SC. Prepared by F&ME, June 14, 2017.

Groundwater Sampling Report: Former Speedway Super America LLC Unit #0288. UST Permit #07758. 2224 Broad River Road, Columbia, SC. Prepared for Marathon Petroleum Company, LP by Antea Group. February 26, 2021.

Groundwater Monitoring Report: Former Gulf Service Station No. 24132. 2123 Broad River Road, Columbia, SC. UST ID #07342. Prepared for BP Products North America, Inc. by Arcadis. July 13, 2017.

Groundwater Monitoring Results: McQuick's Oil Lube, 2121 Broad River Road, Columbia, SC. UST ID #10130. Prepared by Force & Associates, Inc. October 9, 2013.

14.0 Signature(s) of Environmental Professional(s)

Report Compiled By:



Richard Ciccolella
Project Manager

Reviewed By:



Andrew M. Wilson, P.G.
Sr. Project Manager / Principal

15.0 Qualifications of Environmental Professional(s)

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312, and we have the specific qualifications based on the education, training, and experience to assess a property of the nature, history, and setting of the Study area. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Resumes summarizing the qualifications of the Environmental Professionals that conducted this assessment are included in Appendix 17.8.

16.0 Warranty

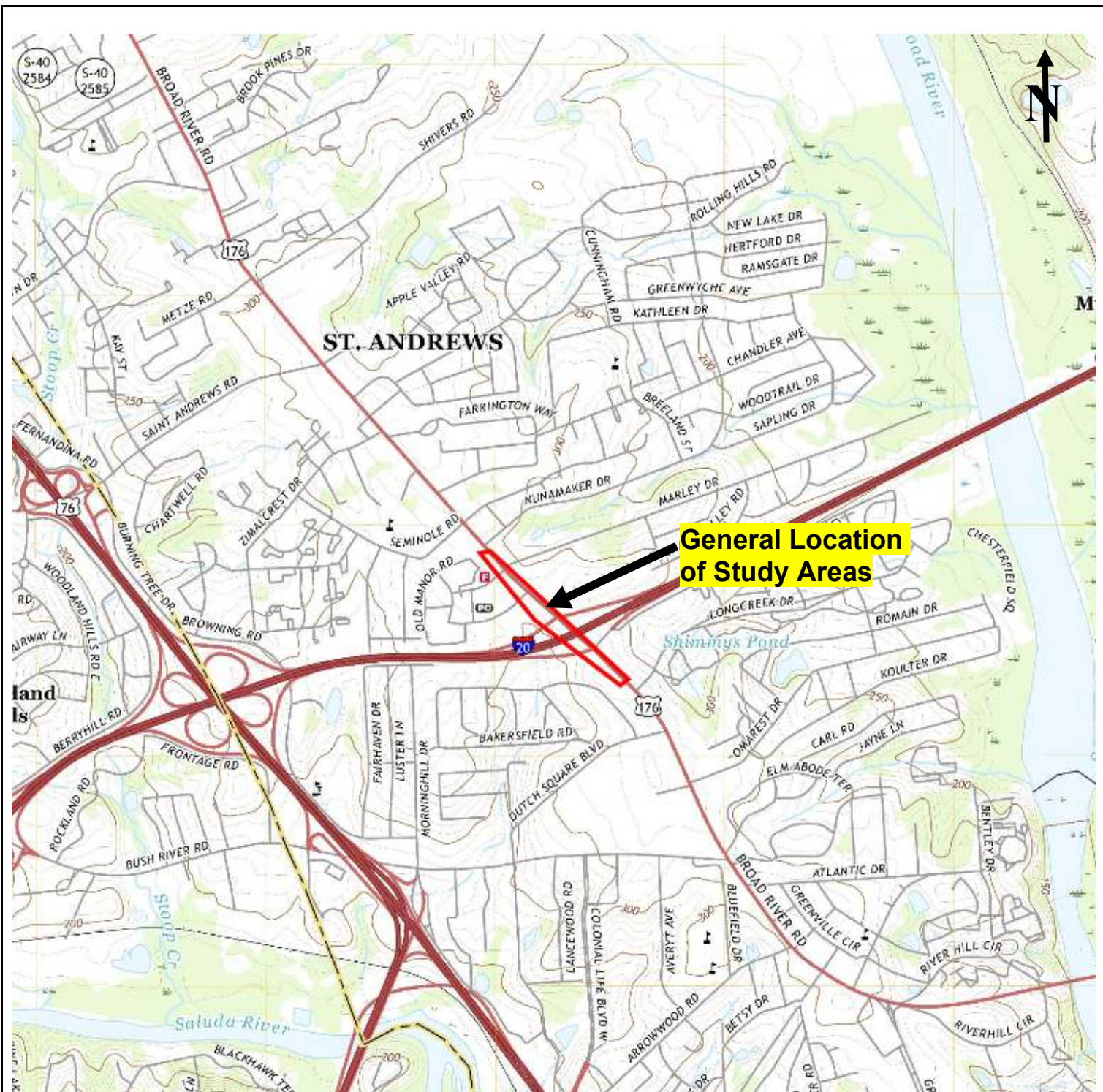
Services provided by ARM in this environmental assessment have been conducted in accordance with generally accepted environmental practices. This report has been generated solely for the use of the client. The information presented in this report is based only upon our site observations at the time of the site reconnaissance and data generated during our site reconnaissance. We cannot be responsible for the accuracy of information provided by others; however, we have no reason to suspect that any of the information provided is inaccurate. We accept no responsibility of damages or claims resulting from past or future environmental impact to the site caused by on or off-site activities or contamination, nor do we accept responsibility for subsequent remediation. This study is intended to be a non-biased assessment of on-site environmental conditions. No other warranties, either expressed or implied, are made.

17.0 APPENDICES

- 17.1 Site Location Map – Figure 1 & Physical Setting Sources
- 17.2 Site Plan – Figures 2, 3
- 17.3 Site Photographs
- 17.4 Historical Research Documentation
- 17.5 Regulatory Records Documentation
- 17.6 Interview Documentation
- 17.7 Special Contractual Conditions Between User and Environmental Professional
- 17.8 Qualifications of the Environmental Professional(s)

17.1 Site (Vicinity) Map

Figure 1 – Topographic Site Location
Map



Project

Corridor / Phase I ESA
 Carolina Cross Roads Project New ROW Areas
 Columbia, South Carolina

Figure 1

Study Areas Site Location Map
 7.5 Minute Columbia North, SC Quad (2020)

Scale

No Scale

Date

April 2022

ARM ENVIRONMENTAL SERVICES, INC.

17.2 Site Plan

Figure 2 – General Site Plan (areas 1-4)

Figure 3 – General Site Plan (areas 5-6)



Project

Corridor / Phase I Environmental Site Assessment
 Carolina Cross Roads Project New ROW Areas
 Columbia, South Carolina

Figure 2

Site Plan Showing New ROW Areas 1 through 4
 (Figure adapted from ICE Figure provided on December 12, 2021)

Scale

No Scale

Date

April 2022





Project

Corridor / Phase I Environmental Site Assessment
 Carolina Cross Roads Project New ROW Areas
 Columbia, South Carolina

Figure 3

Site Plan Showing New ROW Areas 5 through 6
 (Figure adapted from ICE Figure provided on December 12, 2021)

Scale

No Scale

Date

April 2022



17.3 Site Photographs



Photograph 1 – View of proposed new ROW area #1 looking northwest from Bojangles parking lot.



Photograph 2 – View of proposed new ROW area #1 looking southeast toward Bojangles parking lot.



Photograph 3 – View looking northwest along proposed new ROW area #2 adjacent to the former National Pride Car Wash.



Photograph 4 – View looking northwest along proposed new ROW area #2 adjacent to the former National Pride Car Wash.



Photograph 5 – View looking northwest along proposed new ROW area #3, adjacent to the Pon Di River restaurant site, which is a former service station.



Photograph 6 – View looking southeast along proposed new ROW area #3, adjacent to the bank and the Pon Di River restaurant site, which is a former service station.



Photograph 7 – View looking southeast along proposed new ROW area #4, along the motel property.



Photograph 8 – View looking south along additional portion of proposed new ROW area #4, along the southeastern side of the Rose Gold Club property.



Photograph 9 – View of the Affordable Dentures and Implants business, located adjacent to the south of proposed new ROW area #5. This is the former site of a Gulf service station.



Photograph 10 – View of proposed new ROW area #5 adjacent to the Affordable Dentures and Implants business.



Photograph 11 – View of monitoring wells located in the parking lot of the Affordable Dentures and Implants business near the proposed new ROW area #5.



Photograph 12 – View looking northwest along the KFC parking lot, at the location of the proposed new ROW area #6.

17.4 Historical Research Documentation



Carolina Cross Roads

Broad River Rd

Columbia, SC 29210

Inquiry Number: 6860313.5

February 15, 2022

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

02/15/22

Site Name:

Carolina Cross Roads
Broad River Rd
Columbia, SC 29210
EDR Inquiry # 6860313.5

Client Name:

ARM Environmental Services
1210 First Street South Ext
Columbia, SC 29209
Contact: Richard Ciccolella



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: January 21, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: March 11, 1989	USGS
1983	1"=500'	Flight Date: March 03, 1983	USDA
1971	1"=500'	Flight Date: March 21, 1971	USGS
1966	1"=500'	Flight Date: February 19, 1966	USDA
1964	1"=500'	Flight Date: October 10, 1964	USGS
1955	1"=500'	Flight Date: April 01, 1955	USDA
1951	1"=500'	Flight Date: May 24, 1951	USDA
1943	1"=500'	Flight Date: May 01, 1943	USDA
1938	1"=500'	Flight Date: April 11, 1938	USDA

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INQUIRY # 6860313.5

YEAR: 2017

— = 500'



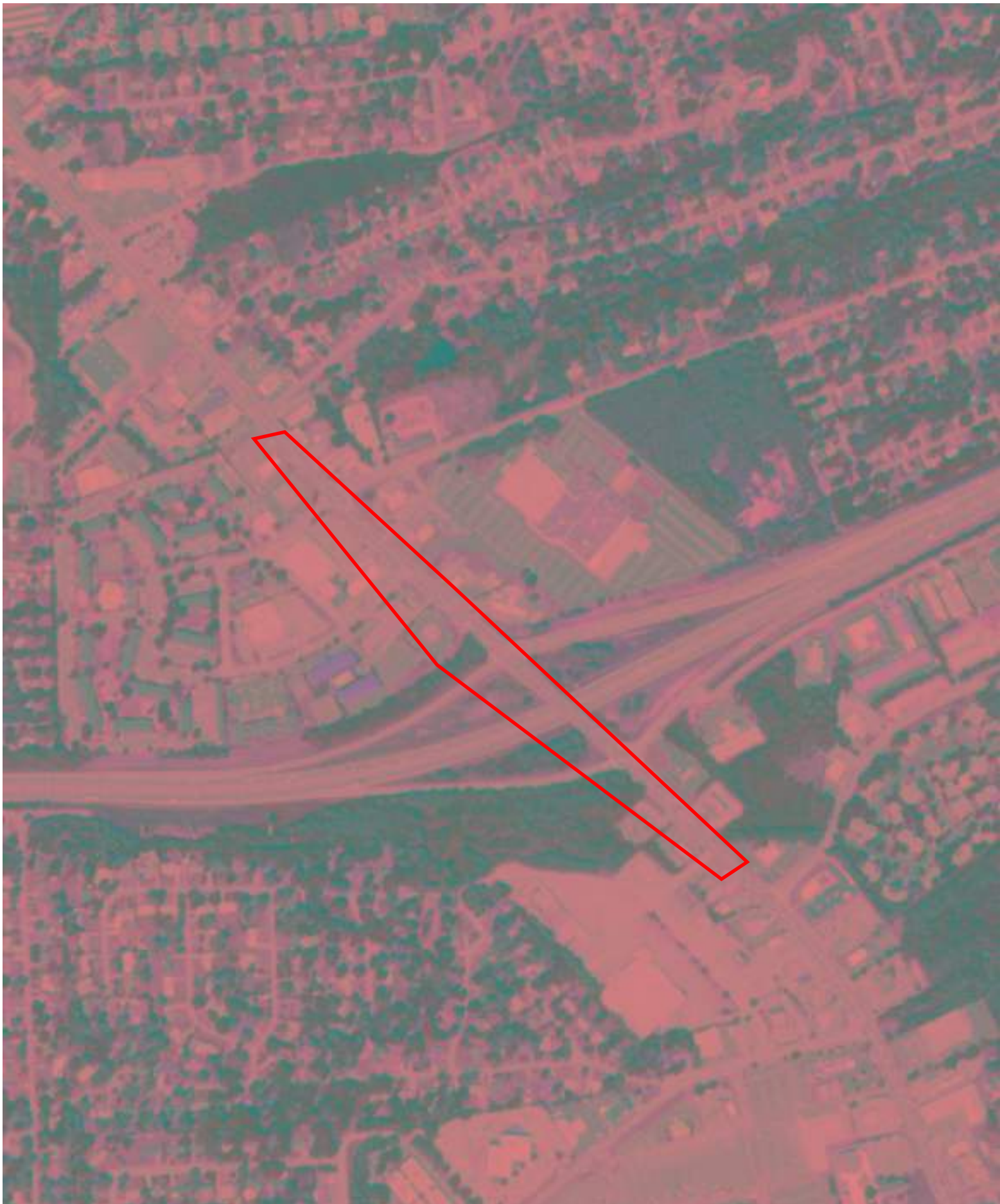


INQUIRY # 6860313.5

YEAR: 2013

— = 500'






INQUIRY # 6860313.5

YEAR: 2009

↑ N

— = 500'





INQUIRY # 6860313.5

YEAR: 2006

— = 500'





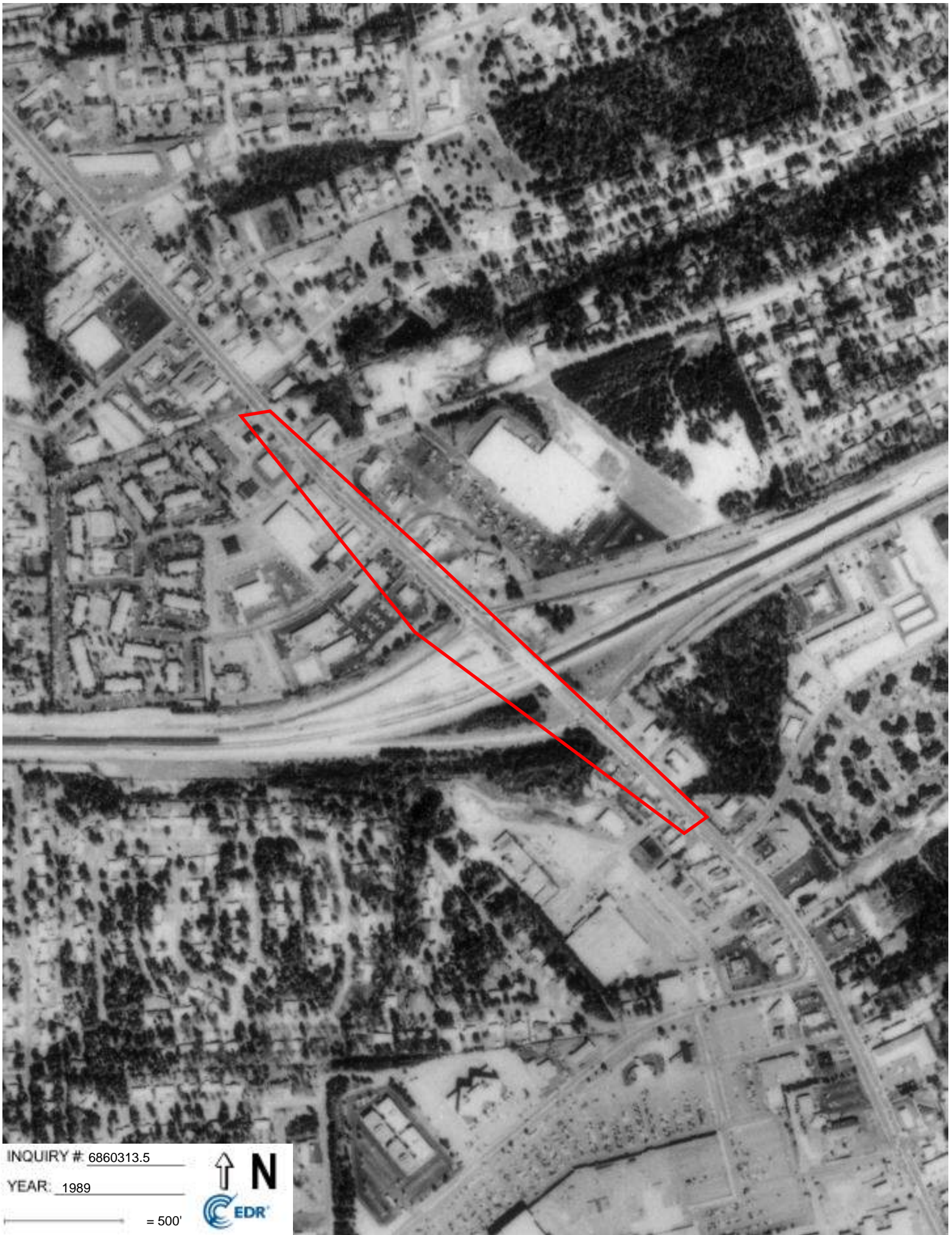
INQUIRY # 6860313.5

YEAR: 1994

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY # 6860313.5

YEAR: 1989

— = 500'



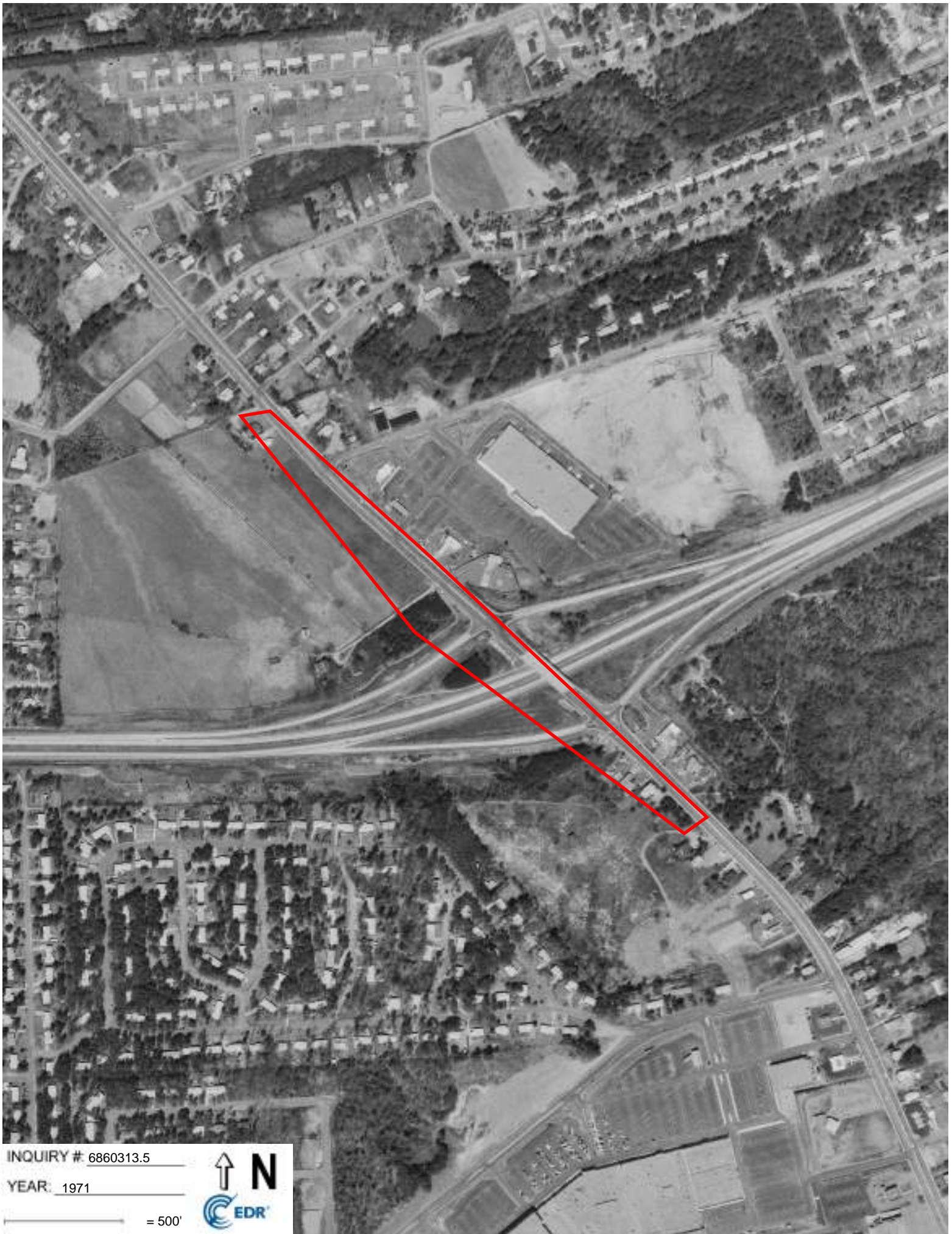


INQUIRY # 6860313.5

YEAR: 1983

— = 500'





INQUIRY # 6860313.5

YEAR: 1971

— = 500'



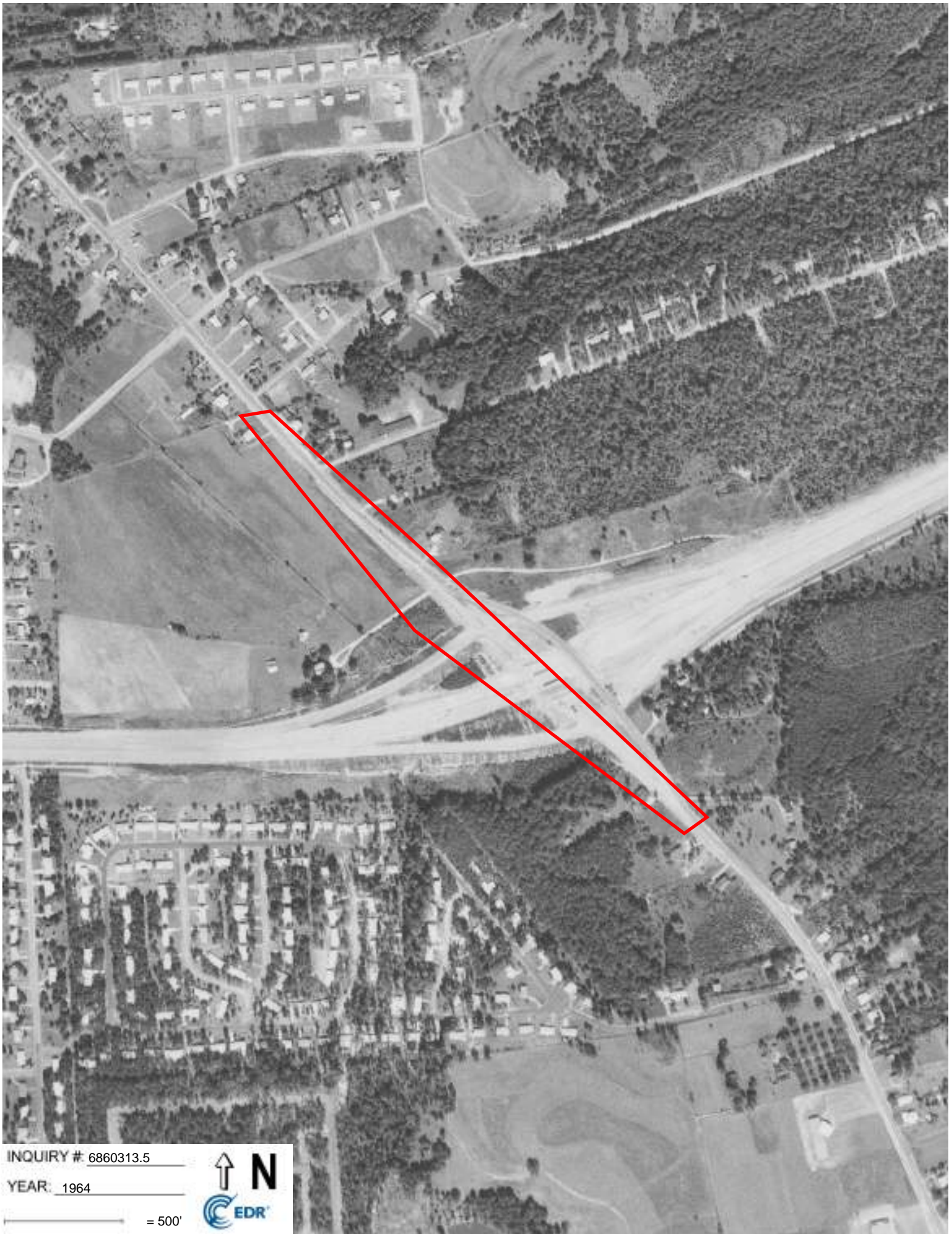


INQUIRY # 6860313.5

YEAR: 1966

— = 500'



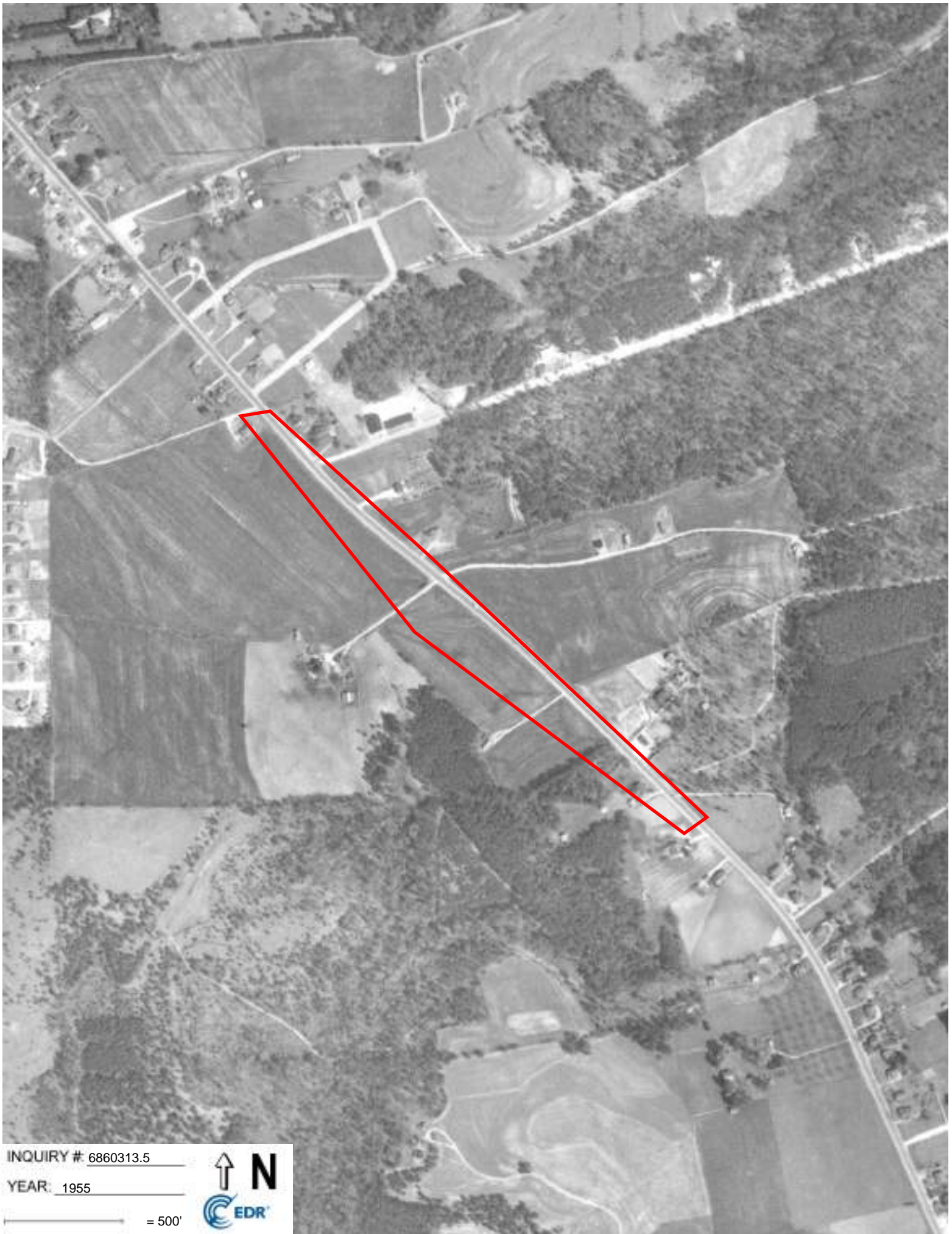


INQUIRY # 6860313.5

YEAR: 1964

— = 500'





INQUIRY # 6860313.5

YEAR: 1955

— = 500'





INQUIRY # 6860313.5

YEAR: 1951

— = 500'



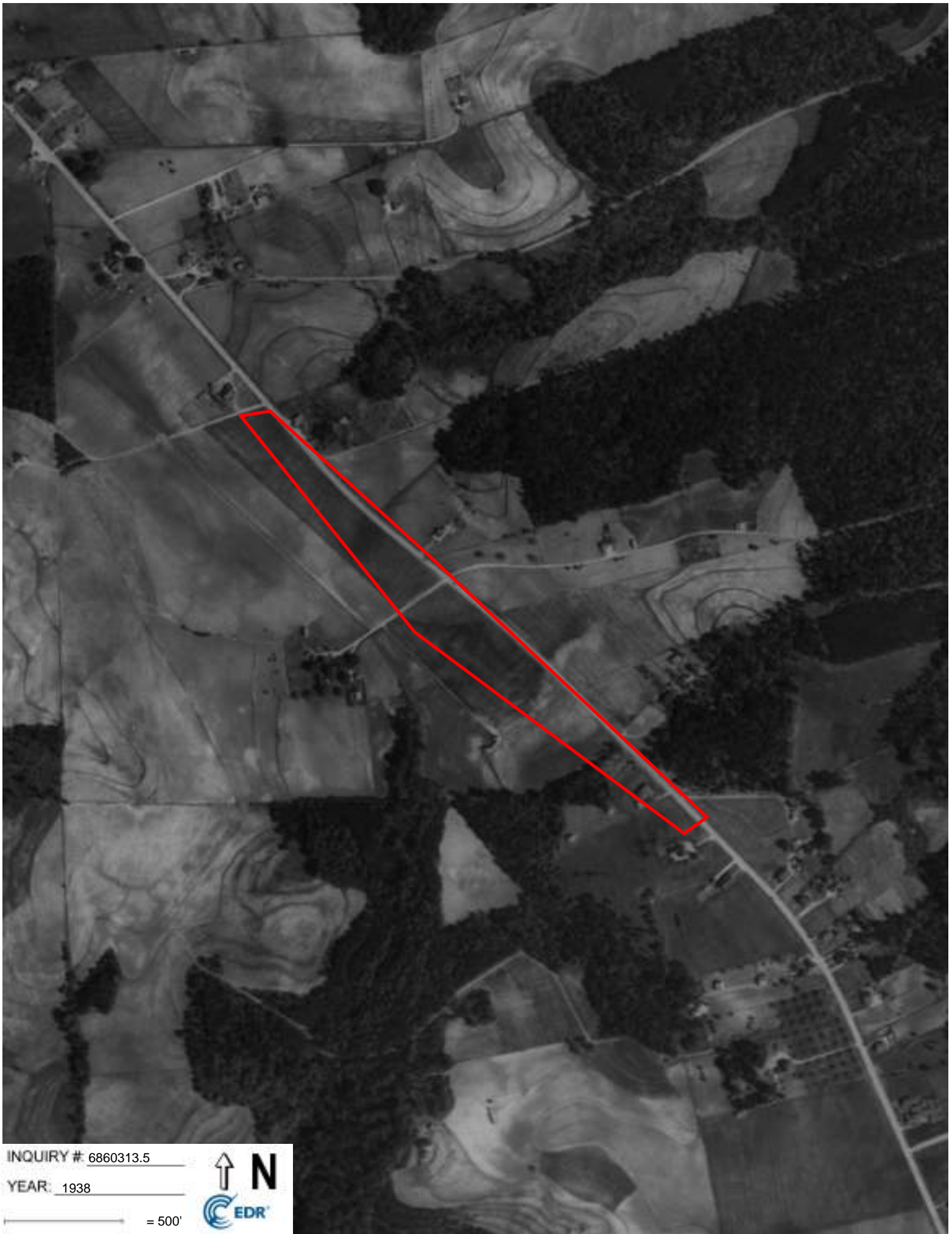


INQUIRY # 6860313.5

YEAR: 1943

— = 500'





INQUIRY # 6860313.5

YEAR: 1938

— = 500'



Carolina Cross Roads

Broad River Rd

Columbia, SC 29210

Inquiry Number: 6860313.8

February 15, 2022

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

02/15/22

Site Name:

Carolina Cross Roads
Broad River Rd
Columbia, SC 29210
EDR Inquiry # 6860313.8

Client Name:

ARM Environmental Services
1210 First Street South Ext
Columbia, SC 29209
Contact: Richard Ciccolella



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by ARM Environmental Services were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

Coordinates:

P.O.#	08-300-22	Latitude:	34.040273 34° 2' 25" North
Project:	Carolina Cross Roads	Longitude:	-81.094887 -81° 5' 42" West
		UTM Zone:	Zone 17 North
		UTM X Meters:	491241.53
		UTM Y Meters:	3766625.44
		Elevation:	318.21' above sea level

Maps Provided:

2020	1947
2017	1904
2014	
1997	
1990	
1983	
1972	
1948	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2020 Source Sheets



Columbia North
2020
7.5-minute, 24000

2017 Source Sheets



Columbia North
2017
7.5-minute, 24000

2014 Source Sheets



Columbia North
2014
7.5-minute, 24000

1997 Source Sheets



Columbia North
1997
7.5-minute, 24000
Aerial Photo Revised 1988

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1990 Source Sheets



Columbia North
1990
7.5-minute, 24000
Aerial Photo Revised 1988

1983 Source Sheets



IRMO
1983
15-minute, 50000

1972 Source Sheets



Columbia North
1972
7.5-minute, 24000
Aerial Photo Revised 1971

1948 Source Sheets



Columbia North
1948
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1947 Source Sheets

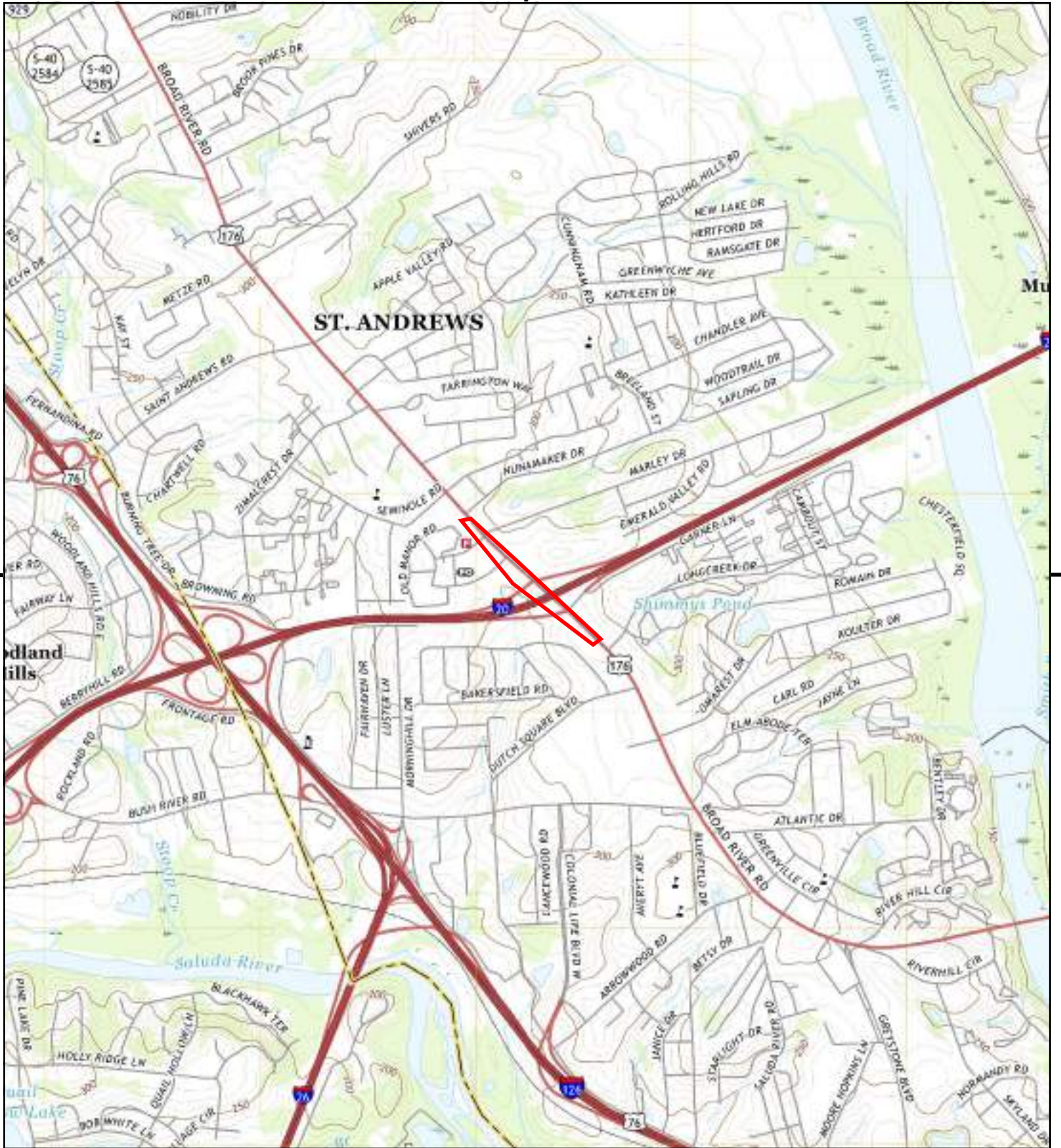


Columbia North
1947
7.5-minute, 24000

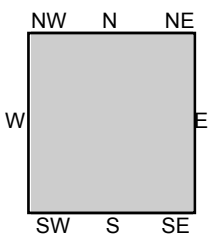
1904 Source Sheets



Columbia
1904
30-minute, 125000



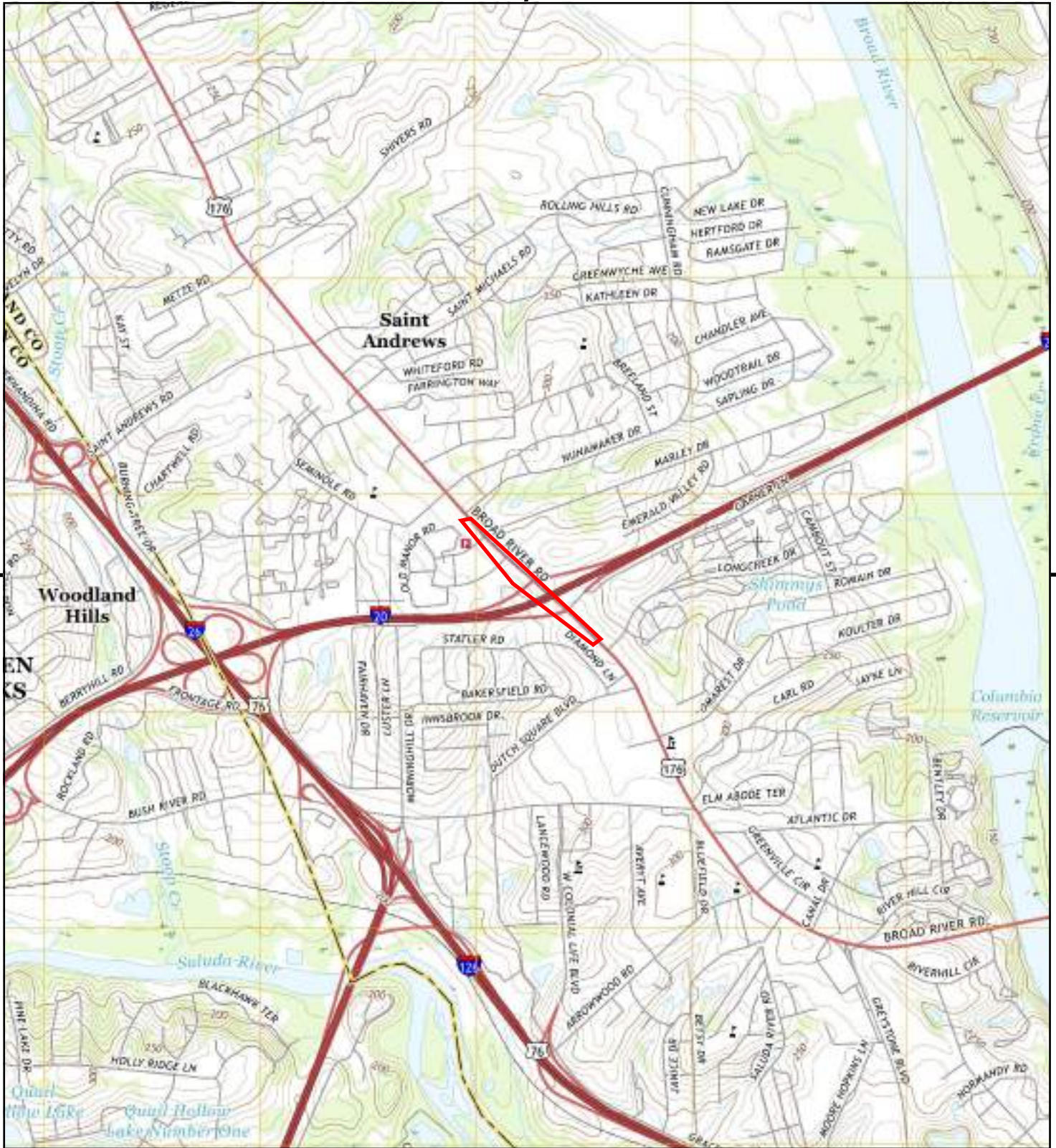
This report includes information from the following map sheet(s).



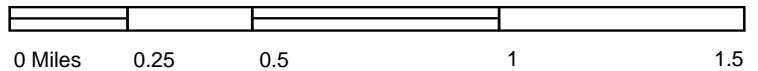
TP, Columbia North, 2020, 7.5-minute

SITE NAME: Carolina Cross Roads
 ADDRESS: Broad River Rd
 Columbia, SC 29210
 CLIENT: ARM Environmental Services



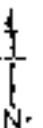


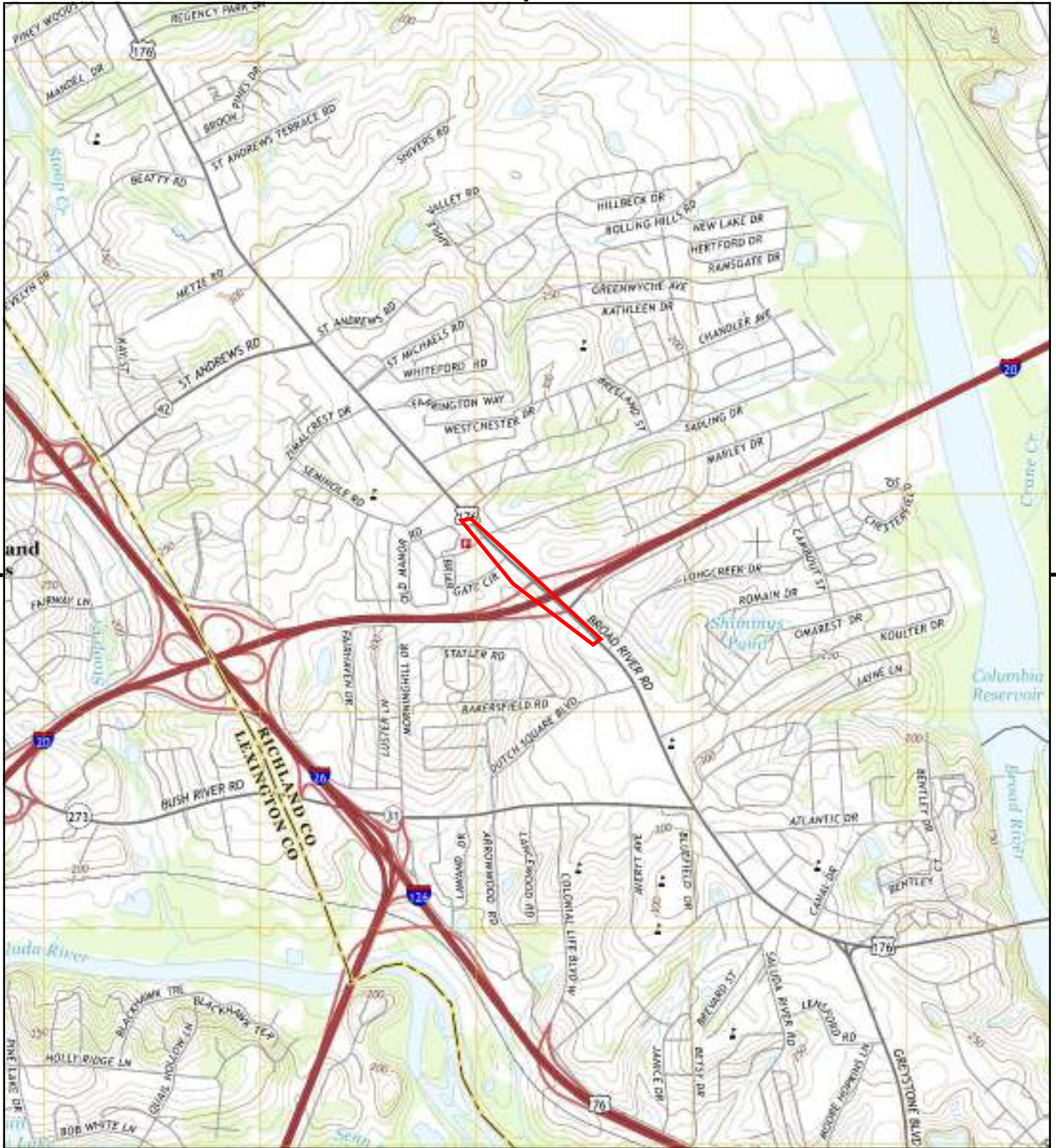
This report includes information from the following map sheet(s).



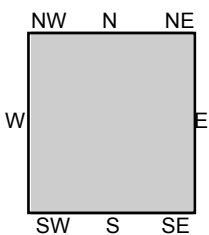
TP, Columbia North, 2017, 7.5-minute

SITE NAME: Carolina Cross Roads
 ADDRESS: Broad River Rd
 Columbia, SC 29210
 CLIENT: ARM Environmental Services



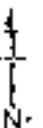


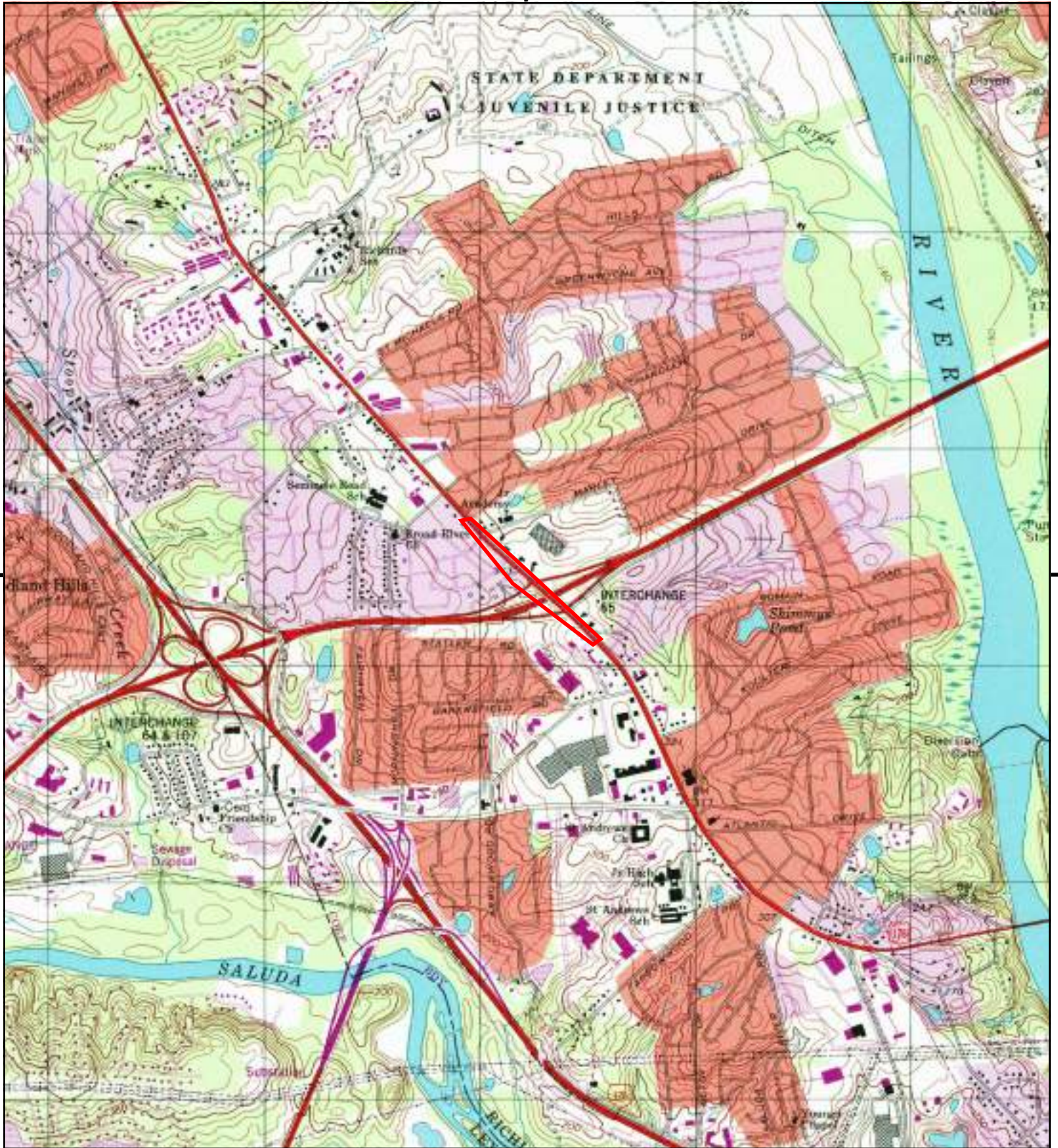
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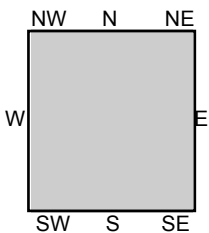
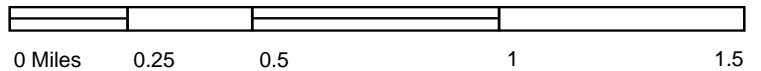
TP, Columbia North, 2014, 7.5-minute

SITE NAME: Carolina Cross Roads
 ADDRESS: Broad River Rd
 Columbia, SC 29210
 CLIENT: ARM Environmental Services





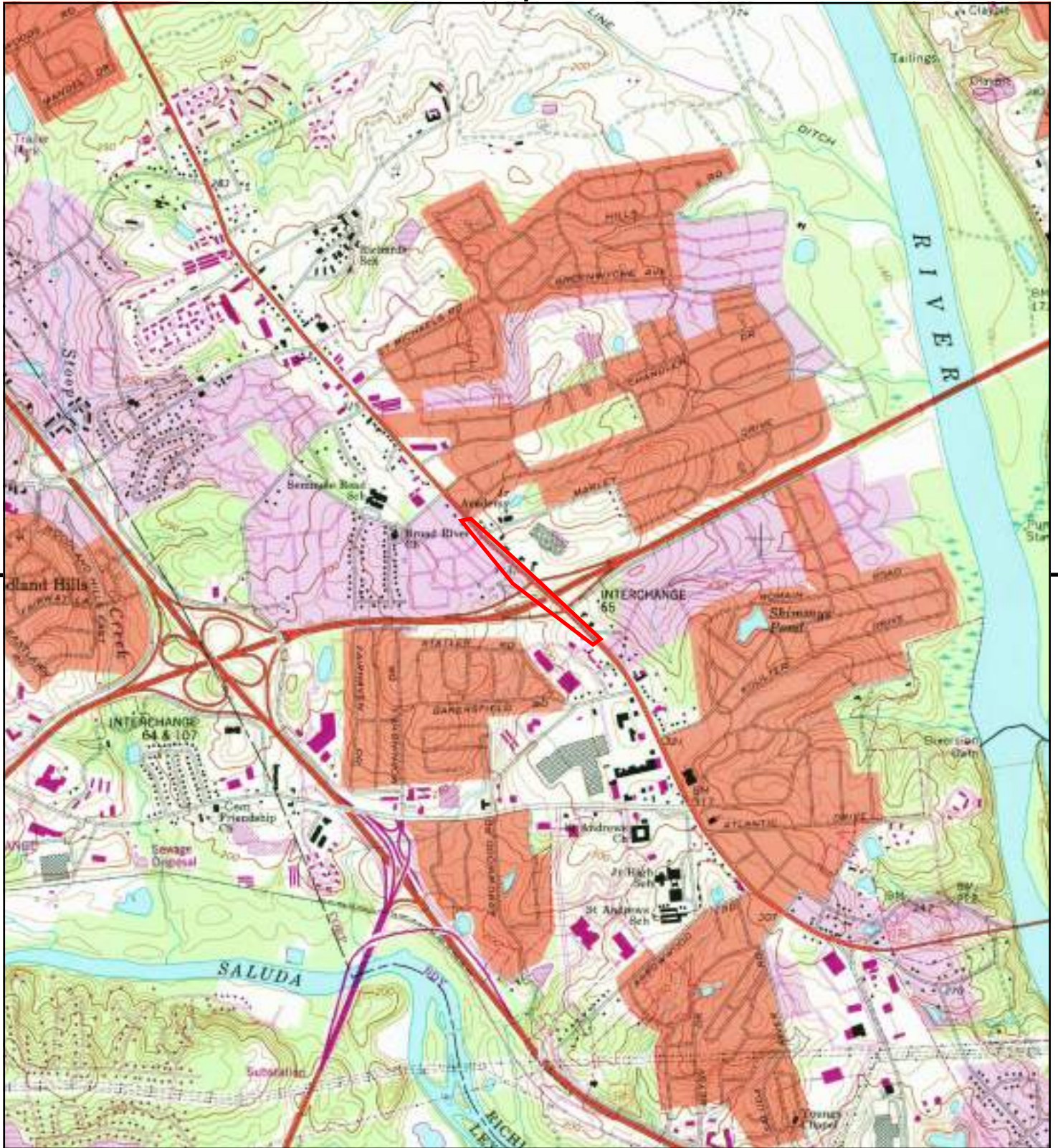
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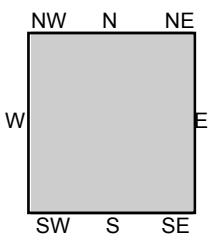
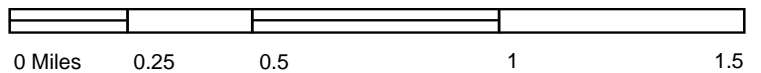
TP, Columbia North, 1997, 7.5-minute

SITE NAME: Carolina Cross Roads
ADDRESS: Broad River Rd
 Columbia, SC 29210
CLIENT: ARM Environmental Services





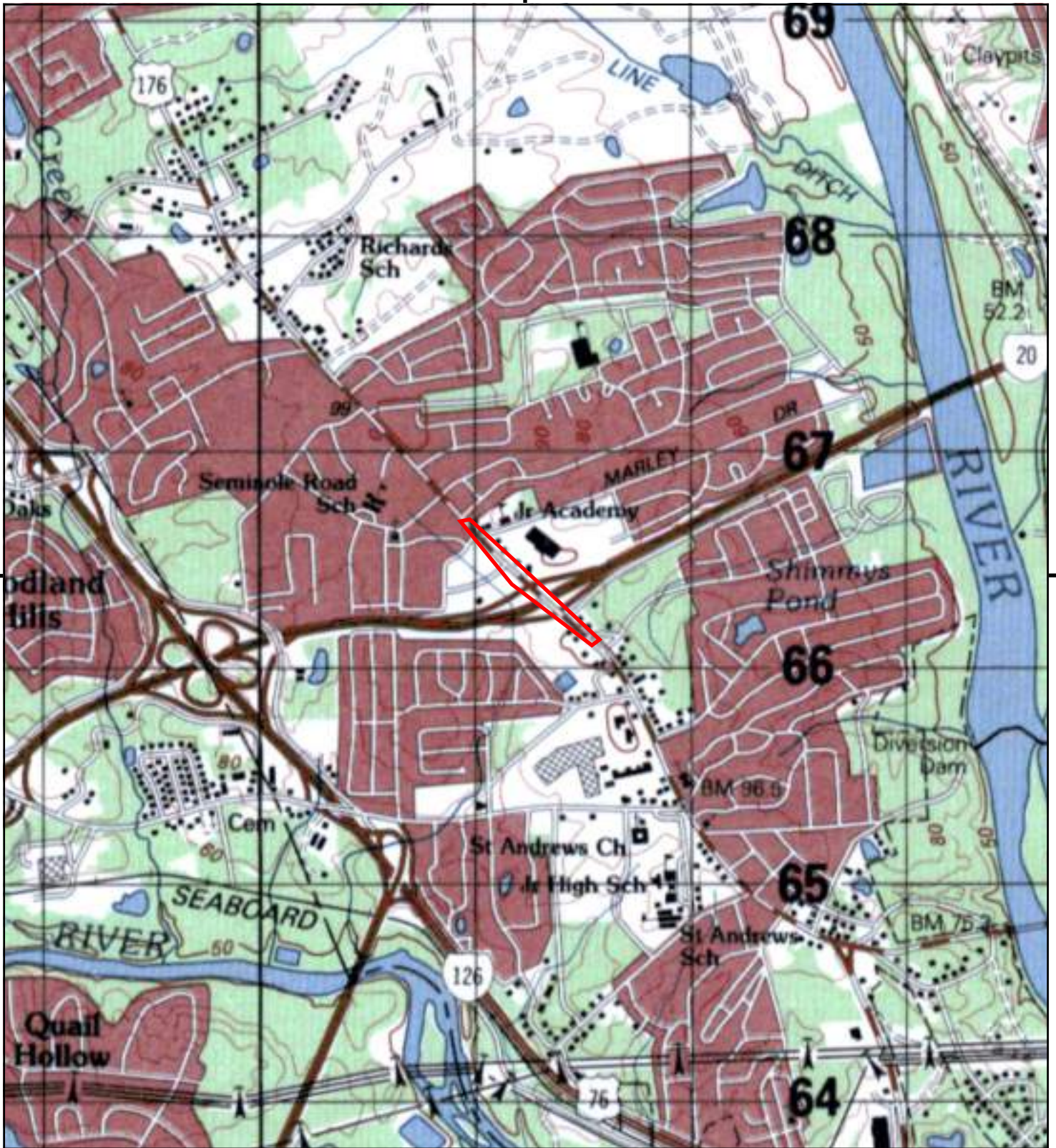
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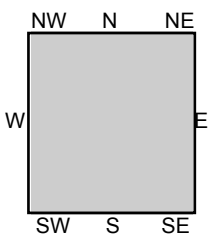
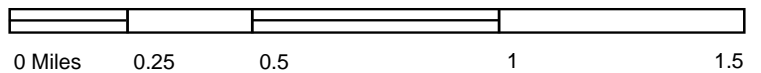
TP, Columbia North, 1990, 7.5-minute

SITE NAME: Carolina Cross Roads
 ADDRESS: Broad River Rd
 Columbia, SC 29210
 CLIENT: ARM Environmental Services





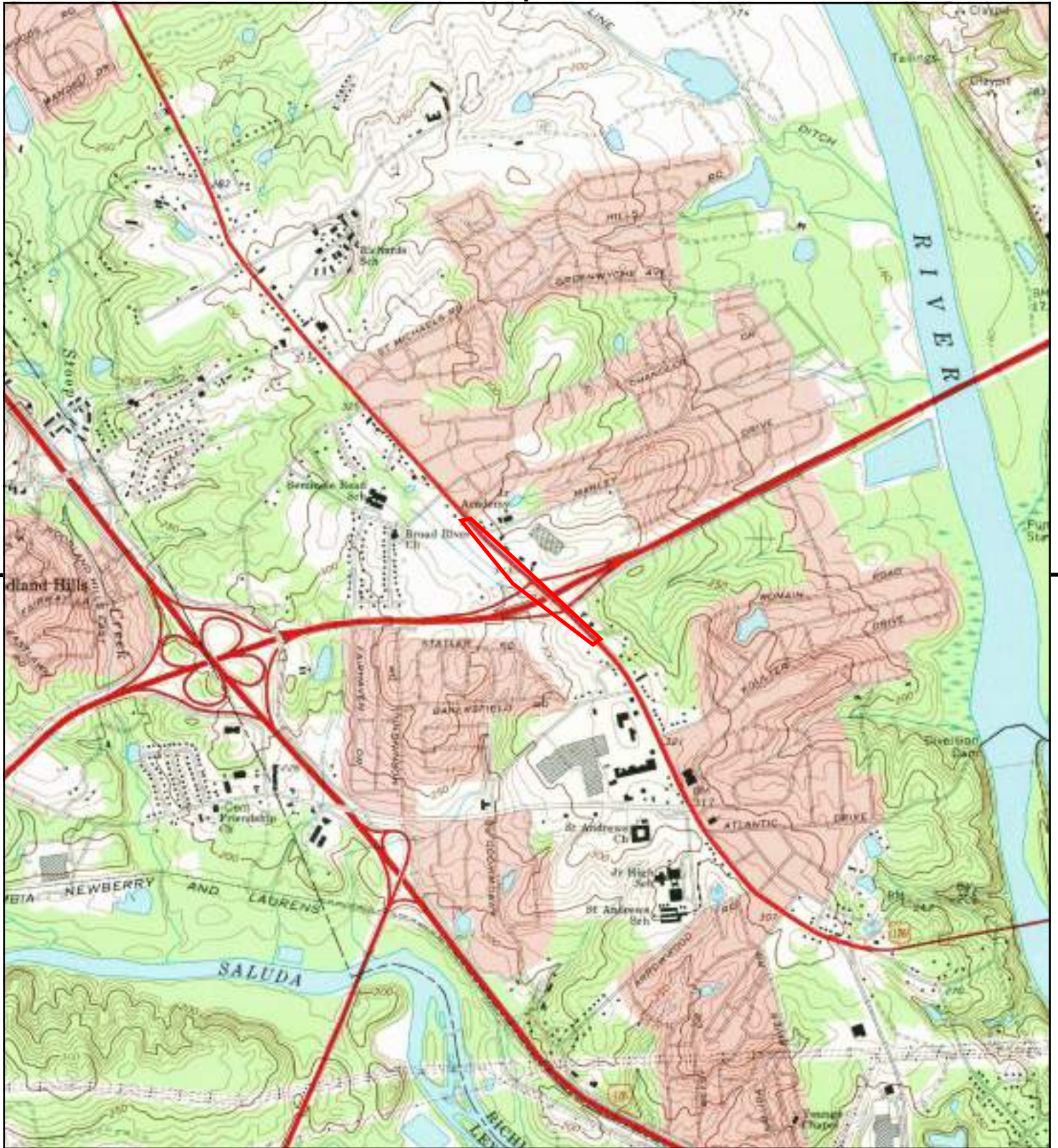
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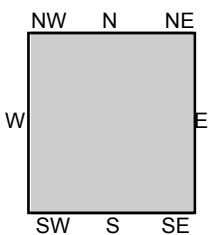
TP, IRMO, 1983, 15-minute

SITE NAME: Carolina Cross Roads
 ADDRESS: Broad River Rd
 Columbia, SC 29210
 CLIENT: ARM Environmental Services





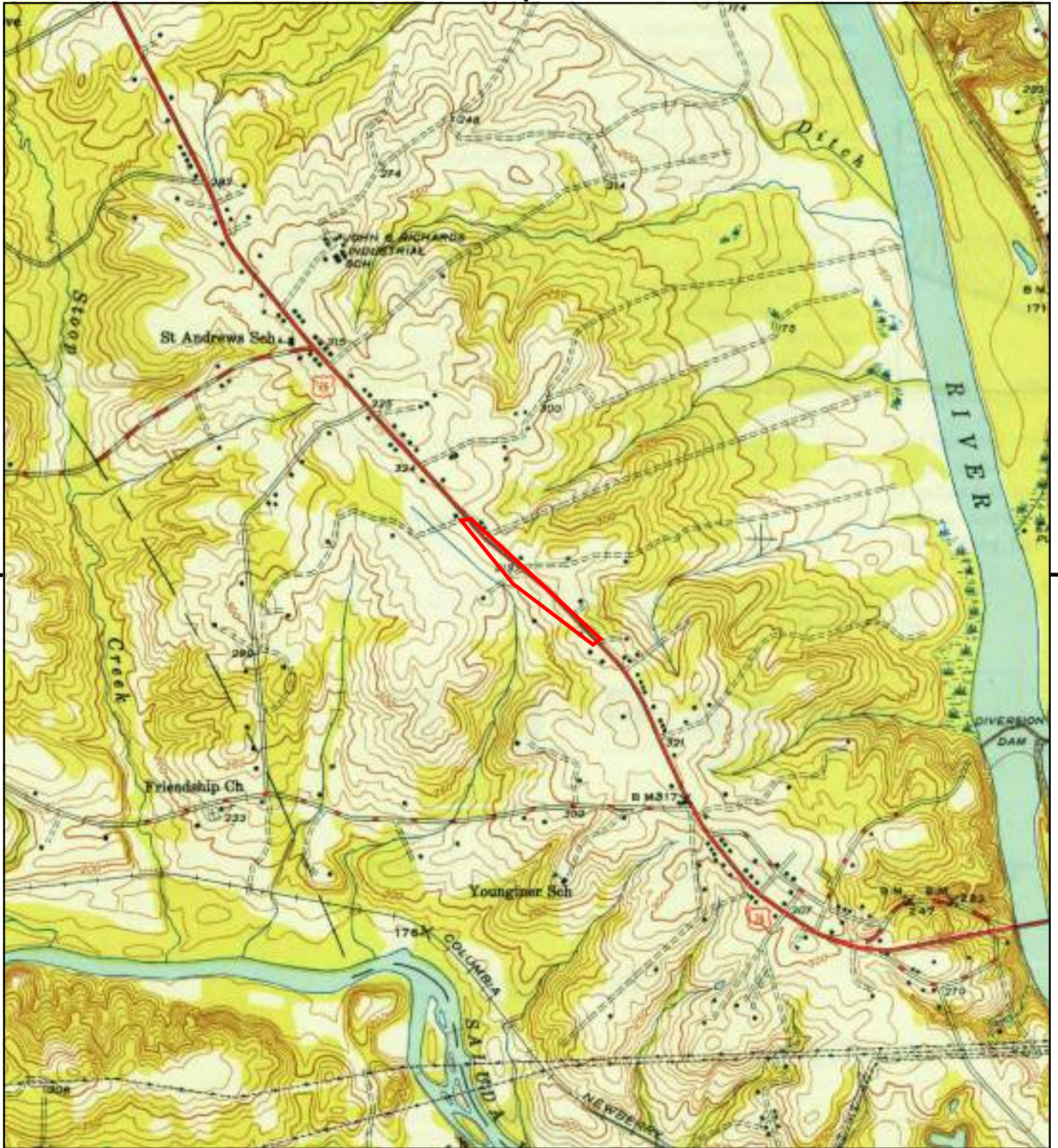
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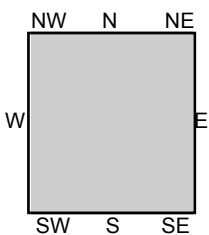
TP, Columbia North, 1972, 7.5-minute

SITE NAME: Carolina Cross Roads
 ADDRESS: Broad River Rd
 Columbia, SC 29210
 CLIENT: ARM Environmental Services





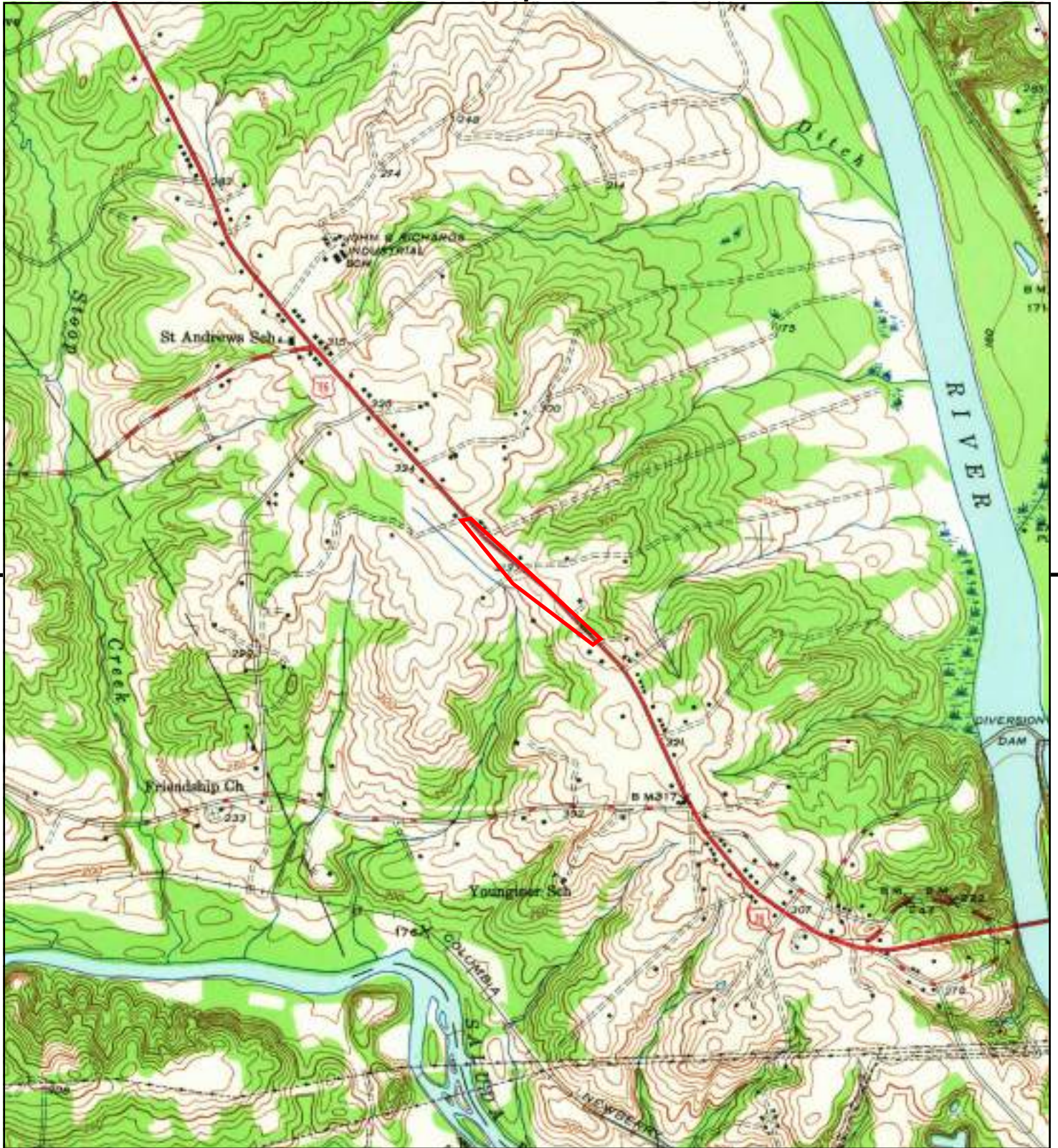
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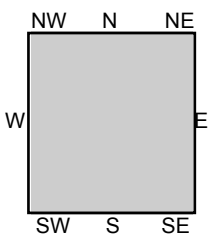
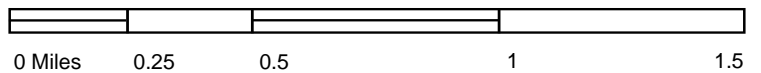
TP, Columbia North, 1948, 7.5-minute

SITE NAME: Carolina Cross Roads
 ADDRESS: Broad River Rd
 Columbia, SC 29210
 CLIENT: ARM Environmental Services





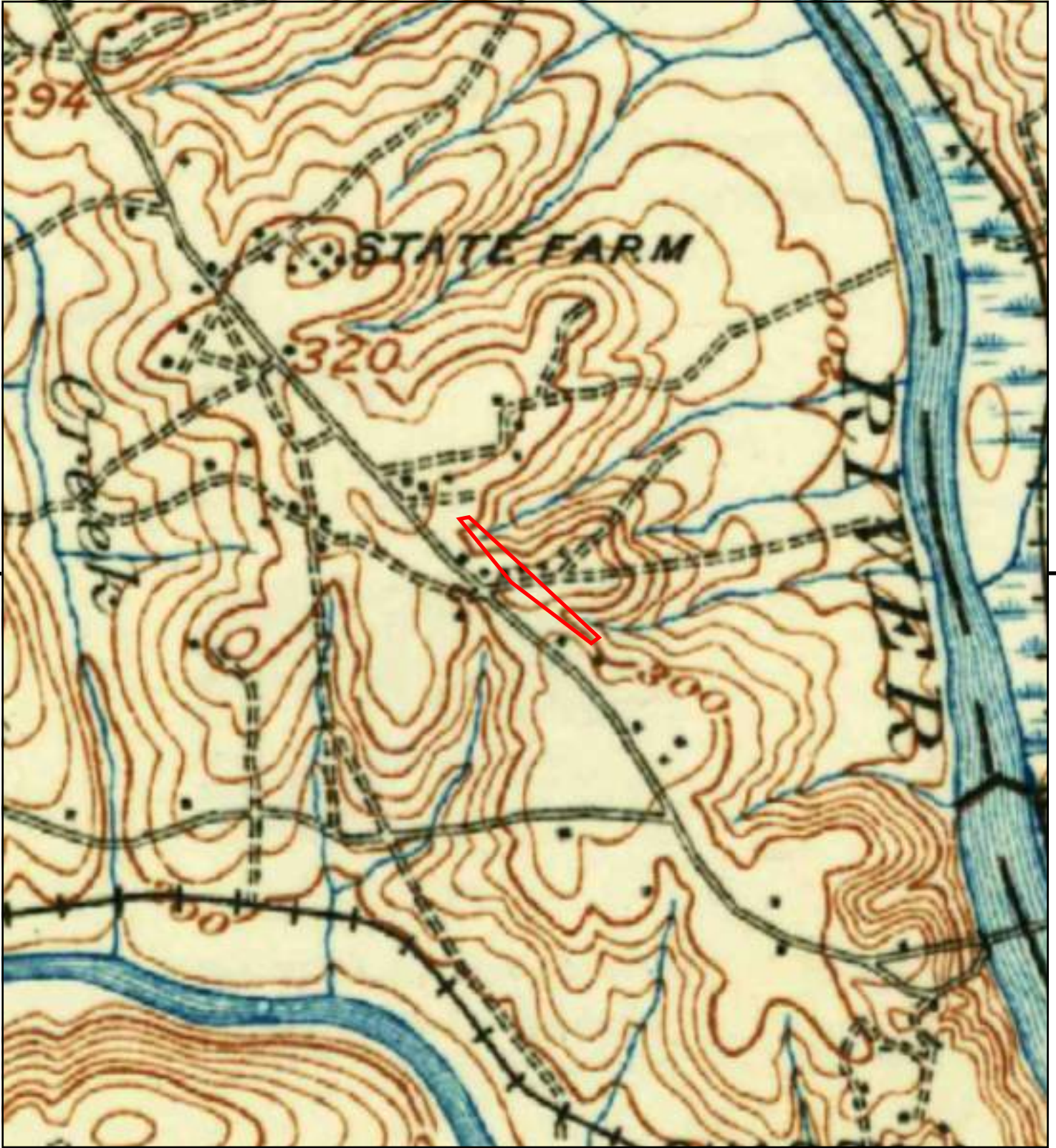
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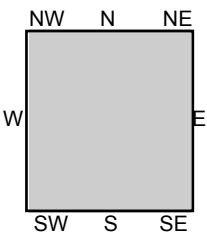
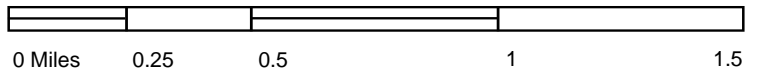
TP, Columbia North, 1947, 7.5-minute

SITE NAME: Carolina Cross Roads
ADDRESS: Broad River Rd
 Columbia, SC 29210
CLIENT: ARM Environmental Services





This report includes information from the following map sheet(s).



TP, Columbia, 1904, 30-minute

SITE NAME: Carolina Cross Roads
ADDRESS: Broad River Rd
Columbia, SC 29210
CLIENT: ARM Environmental Services



Carolina Cross Roads

Broad River Rd

Columbia, SC 29210

Inquiry Number: 6860313.3

February 15, 2022

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

02/15/22

Site Name:

Carolina Cross Roads
Broad River Rd
Columbia, SC 29210
EDR Inquiry # 6860313.3

Client Name:

ARM Environmental Services
1210 First Street South Ext
Columbia, SC 29209
Contact: Richard Ciccolella



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 0FD8-4E94-B195
PO # 08-300-22
Project Carolina Cross Roads

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 0FD8-4E94-B195

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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17.5 Regulatory Records Documentation

Carolina Cross Roads

Broad River Rd

Columbia, SC 29210

Inquiry Number: 6860313.2s

February 16, 2022

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	90
Zip Scan Report	ZIP-1
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-6
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

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 with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

BROAD RIVER RD
COLUMBIA, SC 29210

COORDINATES

Latitude (North): 34.0402730 - 34° 2' 24.98"
Longitude (West): 81.0948870 - 81° 5' 41.59"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 491241.3
UTM Y (Meters): 3766430.8
Elevation: 318 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 15786838 COLUMBIA NORTH, SC
Version Date: 2020

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150430
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 BROAD RIVER RD
 COLUMBIA, SC 29210

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FOX SHELL SERVICE ST	2224 BROAD RIVER RD	EDR Hist Auto	Lower	1 ft.
B2	USS AGRI-CHEMICALS	BROADRIVER RD,PO BOX	RCRA NonGen / NLR	Higher	1 ft.
A3	PORT UNIT 288	2224 BROAD RIVER RD	LUST, UST, RCR, Financial Assurance, GWCI, UIC	Lower	1 ft.
C4	AUTRYS AMOCO	2369 BROAD RIVER RD	EDR Hist Auto	Lower	1 ft.
5	TEXACO SERVICE	BROAD RIVER & I 20	UST	Lower	1 ft.
C6	YOKAHAMA TIRE	2341 BROAD RIVER RD	LUST, UST	Lower	1 ft.
D7	BANNISTERS 66 SERVIC	2114 BROAD RIVER RD	EDR Hist Auto	Higher	11, 0.002, SE
D8	RACETRAC 978	2114 BROAD RIVER RD	LUST, UST, RCR, Financial Assurance, GWCI	Higher	11, 0.002, SE
B9	MOBIL OIL CORP	2121 BROAD RIVER ROA	EDR Hist Auto	Higher	12, 0.002, SE
B10	MCQUIKS OILUBE	2121 BROAD RIVER RD	LUST, UST, RCR, Financial Assurance, GWCI	Higher	12, 0.002, SE
B11	MCQUIK'S #9660	2121 BROAD RIVERS RO	RCRA NonGen / NLR	Higher	12, 0.002, SE
D12	SHEPPARD TEXACO	2116 BROAD RIVER RD	EDR Hist Auto	Higher	29, 0.005, SE
D13	SHEPPERDS TEXACO STA	2116 BROAD RIVER RD	LUST, UST	Higher	29, 0.005, SE
E14	CAROLINA INDUSTRIAL	2428 BROAD RIVER RD	RCRA-VSQQ, FINDS, ECHO	Lower	47, 0.009, NW
E15	AAMCO TRANSMISSIONS	2428 BROAD RIVER RD	EDR Hist Auto	Lower	47, 0.009, NW
F16	GULF SERVICE STATION	2123 BROAD RIVER RD	LUST, UST, RCR, GWCI	Higher	110, 0.021, SE
F17	GULF SERVICE STATION	2123 BROAD RIVER RD	UST	Higher	110, 0.021, SE
F18	ROBERTSONS GULF SERV	2123 BROAD RIVER RD	EDR Hist Auto	Higher	110, 0.021, SE
A19	R A S 45015	2220 BROAD RIVER RD	UST	Lower	116, 0.022, NE
A20	GARVIN OIL COMPANY I	2220 BROAD RIVER RD	EDR Hist Auto	Lower	116, 0.022, NE
A21	CIRCLE K 3105	2220 BROAD RIVER RD	LUST, UST, RCR, Financial Assurance, GWCI	Lower	116, 0.022, NE
A22	EXXON LOCATION 4 501	2220 BROAD RIVER ROA	RCRA-VSQQ, FINDS, ECHO	Lower	116, 0.022, NE
23	COLUMBIA FIRE DEPT S	1225 BRIARGATE CIR	LUST, UST, RCR, GWCI	Higher	335, 0.063, WNW
G24	CONSTAN INC	2505 BROAD RIVER RD	LUST, UST	Lower	375, 0.071, NW
G25	GULF SERVICE STATION	BROAD RIVER & YOUNG	UST	Higher	480, 0.091, NW
G26	BP OIL-SITE #24144	2624 BROAD RIVER RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	488, 0.092, NW
27	METTS OIL CO	2340 BROAD RIVER ROA	EDR Hist Auto	Higher	567, 0.107, NE
G28	EL CHEAPO 08	2624 BROAD RIVER RD	UST, Financial Assurance	Higher	592, 0.112, NW
G29	CIRCLE K STORES INC	2624 BROAD RIVER RD	EDR Hist Auto	Higher	592, 0.112, NW
G30	CIRCLE K 2705138	2624 BROAD RIVER RD	LUST, UST, Financial Assurance	Higher	592, 0.112, NW
G31	CIRCLE K 2705138	2624 BROAD RIVER RD	RCR, GWCI	Higher	592, 0.112, NW
H32	SHERWIN WILLIAMS CO	1221 BAKERSFIELD RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	751, 0.142, SSE
33	CRAFT MASTER	2639 BROAD RIVER RD	RCRA-VSQQ, FINDS, ECHO	Higher	872, 0.165, NW
H34	SHARPES FORMAL WEAR	RT 1 BOX 499G	RCRA-VSQQ	Lower	879, 0.166, SSE
I35	PEP BOY 134	1804 BROAD RIVER RD	LUST, UST, Financial Assurance	Higher	1085, 0.205, SE
I36	PEP BOYS 134	1804 BROAD RIVER ROA	RCRA-VSQQ, FINDS, ECHO	Higher	1085, 0.205, SE
37	FRASIER TIRE SERVICE	828 DUTCH SQUARE BLV	LUST, UST	Lower	1235, 0.234, South
J38	PALMETTO FINE CLEANE	1718 BROAD RIVER RD	SHWS, DRYCLEANERS	Higher	1537, 0.291, SE
J39	SPEEDWAY 2842	1714 BROAD RIVER RD	LUST, UST, GWCI, NPDES, UIC	Higher	1624, 0.308, SE

MAPPED SITES SUMMARY

Target Property Address:
 BROAD RIVER RD
 COLUMBIA, SC 29210

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
40	FMR ED ROBINSON LAUN	DUTCH SQUARE MALL -	SHWS	Lower	1709, 0.324, SSE
41	SUBURBAN LODGE (FORM	1633 BROAD RIVER RD	SHWS	Higher	1802, 0.341, SE
42	PENSKE AUTO CENTER K	99 N ARROWOOD RD	LUST, UST, Financial Assurance	Lower	1950, 0.369, SSW
43	FORMER USA SERVICE S	DUTCH SQUARE MALL	RCR, FINDS	Lower	2116, 0.401, South
K44	BRITE CLEANERS	422 BUSH RIVER RD/14	SHWS	Lower	2770, 0.525, South
K45	BRITE CLEANERS	422 BUSH RIVER RD UN	SHWS, VCP, BROWNFIELDS	Lower	2770, 0.525, South
46	DELUXE CLEANERS	3007 BROAD RIVER RD	SHWS, DRYCLEANERS	Lower	3185, 0.603, NW
47	TRIPP'S FINE CLEANER	1339 BROAD RIVER RD	SHWS, DRYCLEANERS	Lower	3463, 0.656, SE
48	ARNOLDS PROFESSIONAL	3104 BROAD RIVER ROA	SHWS, RCRA NonGen / NLR, FINDS, ECHO, DRYCLEANERS	Lower	3795, 0.719, NW
49	CAROLINA CUSTOM AUTO	1109 ST ANDREWS RD	SHWS	Lower	4426, 0.838, WNW
50	CEDAR CHEST CLEANERS	3315 BROAD RIVER RD	SHWS, ASBESTOS	Lower	4775, 0.904, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

EXECUTIVE SUMMARY

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Permitted Landfills List

Lists of state and tribal leaking storage tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing

AST..... Aboveground Storage Tank List

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AUL..... Land Use Controls

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Sites

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Solid Waste Recycling Facilities

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

ALLSITES..... Site Assessment & Remediation Public Record Database

CDL..... Clandestine Drug Lab Sites

US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

EXECUTIVE SUMMARY

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
SPILLS.....	Spills Database List
SPILLS 90.....	SPILLS 90 data from FirstSearch
SPILLS 80.....	SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Permitted Airs Facility Listing
ASBESTOS.....	ASBESTOS
COAL ASH.....	Coal Ash Disposal Sites
DRYCLEANERS.....	Drycleaner Database
Financial Assurance.....	Financial Assurance Information Listing
NPDES.....	Waste Water Treatment Facilities Listing
UIC.....	Underground Injection Wells Listing
MANIFEST.....	Hazardous Waste Manifest Data

EXECUTIVE SUMMARY

MINES MRDS..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List
RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 5 RCRA-VSQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CRAFT MASTER</i> EPA ID:: SCD987598125	<i>2639 BROAD RIVER RD</i>	<i>NW 1/8 - 1/4 (0.165 mi.)</i>	<i>33</i>	<i>65</i>
<i>PEP BOYS 134</i> EPA ID:: SCD987580891	<i>1804 BROAD RIVER ROA</i>	<i>SE 1/8 - 1/4 (0.205 mi.)</i>	<i>I36</i>	<i>72</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CAROLINA INDUSTRIAL</i>	<i>2428 BROAD RIVER RD</i>	<i>NW 0 - 1/8 (0.009 mi.)</i>	<i>E14</i>	<i>31</i>

EXECUTIVE SUMMARY

EPA ID:: SCR000003491				
EXXON LOCATION 4 501	2220 BROAD RIVER ROA	NE 0 - 1/8 (0.022 mi.)	A22	45
EPA ID:: SCD987578234				
SHARPES FORMAL WEAR	RT 1 BOX 499G	SSE 1/8 - 1/4 (0.166 mi.)	H34	69
EPA ID:: SCD982094575				

Lists of state- and tribal hazardous waste facilities

SHWS: State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

A review of the SHWS list, as provided by EDR, and dated 09/10/2021 has revealed that there are 10 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PALMETTO FINE CLEANER EPA ID: SCDRY0053089	1718 BROAD RIVER RD	SE 1/4 - 1/2 (0.291 mi.)	J38	76
SUBURBAN LODGE (FORM EPA ID: SCS123457099	1633 BROAD RIVER RD	SE 1/4 - 1/2 (0.341 mi.)	41	81

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FMR ED ROBINSON LAUN EPA ID: SCDRY0056170	DUTCH SQUARE MALL -	SSE 1/4 - 1/2 (0.324 mi.)	40	80
BRITE CLEANERS EPA ID: SCDRY0057314	422 BUSH RIVER RD/14	S 1/2 - 1 (0.525 mi.)	K44	83
BRITE CLEANERS EPA ID: SCS123457021	422 BUSH RIVER RD UN	S 1/2 - 1 (0.525 mi.)	K45	83
DELUXE CLEANERS EPA ID: SCDRY0056072	3007 BROAD RIVER RD	NW 1/2 - 1 (0.603 mi.)	46	84
TRIPP'S FINE CLEANER EPA ID: SCDRY0051271	1339 BROAD RIVER RD	SE 1/2 - 1 (0.656 mi.)	47	85
ARNOLDS PROFESSIONAL EPA ID: SCDRY0051118	3104 BROAD RIVER ROA	NW 1/2 - 1 (0.719 mi.)	48	85
CAROLINA CUSTOM AUTO EPA ID: SCD982119281	1109 ST ANDREWS RD	WNW 1/2 - 1 (0.838 mi.)	49	88
CEDAR CHEST CLEANERS EPA ID: SCD987598091	3315 BROAD RIVER RD	NW 1/2 - 1 (0.904 mi.)	50	89

Lists of state and tribal leaking storage tanks

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Health & Environmental Control's Leaking UST list.

A review of the LUST list, as provided by EDR, and dated 06/11/2021 has revealed that there are 14

EXECUTIVE SUMMARY

LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RACETRAC 978 No Action Required: 10/05/2010 No Action Required: 05/06/2021 No Action Required: 02/09/2018 Substance: PETROL Facility Id: 07910	2114 BROAD RIVER RD	SE 0 - 1/8 (0.002 mi.)	D8	17
MCQUIKS OILUBE No Action Required: 11/05/2013 Substance: PETRO Facility Id: 10130	2121 BROAD RIVER RD	SE 0 - 1/8 (0.002 mi.)	B10	22
SHEPPERDS TEXACO STA No Action Required: 01/13/2014 Substance: PETROL Facility Id: 07605	2116 BROAD RIVER RD	SE 0 - 1/8 (0.005 mi.)	D13	29
GULF SERVICE STATION No Action Required: 07/27/2017 Substance: PETROL Facility Id: 07342	2123 BROAD RIVER RD	SE 0 - 1/8 (0.021 mi.)	F16	36
COLUMBIA FIRE DEPT S No Action Required: 09/28/2006 Substance: PETRO Facility Id: 07326	1225 BRIARGATE CIR	WNW 0 - 1/8 (0.063 mi.)	23	48
CIRCLE K 2705138 No Action Required: 07/17/2012 Substance: PETRO Facility Id: 11013	2624 BROAD RIVER RD	NW 0 - 1/8 (0.112 mi.)	G30	57
PEP BOY 134 No Action Required: 01/22/1999 Substance: PETRO Facility Id: 18230	1804 BROAD RIVER RD	SE 1/8 - 1/4 (0.205 mi.)	I35	71
SPEEDWAY 2842 Substance: PETRO Facility Id: 07633	1714 BROAD RIVER RD	SE 1/4 - 1/2 (0.308 mi.)	J39	77
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PORT UNIT 288 Substance: PETROL Facility Id: 07758	2224 BROAD RIVER RD	0 - 1/8 (0.000 mi.)	A3	11
YOKAHAMA TIRE No Action Required: 03/31/2000 Substance: PETRO Facility Id: 18544	2341 BROAD RIVER RD	0 - 1/8 (0.000 mi.)	C6	15
CIRCLE K 3105 No Action Required: 10/28/1998 Substance: PETRO Facility Id: 07648	2220 BROAD RIVER RD	NE 0 - 1/8 (0.022 mi.)	A21	41
CONSTAN INC	2505 BROAD RIVER RD	NW 0 - 1/8 (0.071 mi.)	G24	51

EXECUTIVE SUMMARY

No Action Required: 04/28/1995

Substance: PETRO

Facility Id: 07925

FRASIER TIRE SERVICE

828 DUTCH SQUARE BLV

S 1/8 - 1/4 (0.234 mi.)

37

75

No Action Required: 04/06/1995

Substance: PETRO

Facility Id: 14101

PENSKE AUTO CENTER K

99 N ARROWOOD RD

SSW 1/4 - 1/2 (0.369 mi.)

42

81

No Action Required: 05/10/1999

Substance: PETRO

Facility Id: 07780

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health & Environmental Control's list: Comprehensive Underground Storage Tanks.

A review of the UST list, as provided by EDR, and dated 02/28/2021 has revealed that there are 17 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RACETRAC 978 Facility Id: 07910 Status: Abandoned	2114 BROAD RIVER RD	SE 0 - 1/8 (0.002 mi.)	D8	17
MCQUIKS OILUBE Facility Id: 10130 Status: Abandoned	2121 BROAD RIVER RD	SE 0 - 1/8 (0.002 mi.)	B10	22
SHEPPERDS TEXACO STA Facility Id: 07605 Status: Abandoned	2116 BROAD RIVER RD	SE 0 - 1/8 (0.005 mi.)	D13	29
GULF SERVICE STATION Facility Id: 07342 Status: Abandoned	2123 BROAD RIVER RD	SE 0 - 1/8 (0.021 mi.)	F16	36
GULF SERVICE STATION Facility Id: 11060	2123 BROAD RIVER RD	SE 0 - 1/8 (0.021 mi.)	F17	40
COLUMBIA FIRE DEPT S Facility Id: 07326 Status: Abandoned	1225 BRIARGATE CIR	WNW 0 - 1/8 (0.063 mi.)	23	48
GULF SERVICE STATION Facility Id: 07651 Status: Abandoned	BROAD RIVER & YOUNG	NW 0 - 1/8 (0.091 mi.)	G25	52
EL CHEAPO 08 Facility Id: 19587 Status: Currently in Use	2624 BROAD RIVER RD	NW 0 - 1/8 (0.112 mi.)	G28	56
CIRCLE K 2705138 Facility Id: 11013 Status: Abandoned	2624 BROAD RIVER RD	NW 0 - 1/8 (0.112 mi.)	G30	57
PEP BOY 134	1804 BROAD RIVER RD	SE 1/8 - 1/4 (0.205 mi.)	I35	71

EXECUTIVE SUMMARY

Facility Id: 18230
Status: Abandoned

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PORT UNIT 288 Facility Id: 07758 Status: Abandoned	2224 BROAD RIVER RD	0 - 1/8 (0.000 mi.)	A3	11
TEXACO SERVICE Facility Id: 07628 Status: Abandoned	BROAD RIVER & I 20	0 - 1/8 (0.000 mi.)	5	14
YOKAHAMA TIRE Facility Id: 18544 Status: Abandoned	2341 BROAD RIVER RD	0 - 1/8 (0.000 mi.)	C6	15
R A S 45015 Facility Id: 11892	2220 BROAD RIVER RD	NE 0 - 1/8 (0.022 mi.)	A19	40
CIRCLE K 3105 Facility Id: 07648 Status: Abandoned Status: Currently in Use	2220 BROAD RIVER RD	NE 0 - 1/8 (0.022 mi.)	A21	41
CONSTAN INC Facility Id: 07925 Status: Abandoned	2505 BROAD RIVER RD	NW 0 - 1/8 (0.071 mi.)	G24	51
FRASIER TIRE SERVICE Facility Id: 14101 Status: Abandoned	828 DUTCH SQUARE BLV	S 1/8 - 1/4 (0.234 mi.)	37	75

State and tribal institutional control / engineering control registries

RCR: The Bureau of Land and Waste Management established this Registry to help monitor and maintain sites that have conditional remedies. A Conditional Remedy is an environmental remedy that includes certain qualifications. These qualifications are divided into two major categories: Remedies requiring Land Use Controls and Conditional No Further Actions.

A review of the RCR list, as provided by EDR, and dated 09/09/2021 has revealed that there are 8 RCR sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RACETRAC 978	2114 BROAD RIVER RD	SE 0 - 1/8 (0.002 mi.)	D8	17
MCQUIKS OILUBE	2121 BROAD RIVER RD	SE 0 - 1/8 (0.002 mi.)	B10	22
GULF SERVICE STATION	2123 BROAD RIVER RD	SE 0 - 1/8 (0.021 mi.)	F16	36
COLUMBIA FIRE DEPT S	1225 BRIARGATE CIR	WNW 0 - 1/8 (0.063 mi.)	23	48
CIRCLE K 2705138	2624 BROAD RIVER RD	NW 0 - 1/8 (0.112 mi.)	G31	59
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PORT UNIT 288	2224 BROAD RIVER RD	0 - 1/8 (0.000 mi.)	A3	11
CIRCLE K 3105	2220 BROAD RIVER RD	NE 0 - 1/8 (0.022 mi.)	A21	41
FORMER USA SERVICE S	DUTCH SQUARE MALL	S 1/4 - 1/2 (0.401 mi.)	43	82

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
USS AGRI-CHEMICALS EPA ID:: SCD044942878	BROADRIVER RD,PO BOX	0 - 1/8 (0.000 mi.)	B2	8
MCQUIK'S #9660 EPA ID:: SCD987577814	2121 BROAD RIVERS RO	SE 0 - 1/8 (0.002 mi.)	B11	25
BP OIL-SITE #24144 EPA ID:: SCD987582186	2624 BROAD RIVER RD	NW 0 - 1/8 (0.092 mi.)	G26	53
SHERWIN WILLIAMS CO EPA ID:: SCD000826651	1221 BAKERSFIELD RD	SSE 1/8 - 1/4 (0.142 mi.)	H32	61

GWCI: Groundwater Contamination Inventory Cases. Any site that has groundwater contamination over a federal MCL.

A review of the GWCI list, as provided by EDR, and dated 07/01/2008 has revealed that there are 8 GWCI sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RACETRAC 978 Solid Waste Permit #: 07910	2114 BROAD RIVER RD	SE 0 - 1/8 (0.002 mi.)	D8	17
MCQUIKS OILUBE Solid Waste Permit #: 10130	2121 BROAD RIVER RD	SE 0 - 1/8 (0.002 mi.)	B10	22
GULF SERVICE STATION Solid Waste Permit #: 07342	2123 BROAD RIVER RD	SE 0 - 1/8 (0.021 mi.)	F16	36
COLUMBIA FIRE DEPT S Solid Waste Permit #: 07326	1225 BRIARGATE CIR	WNW 0 - 1/8 (0.063 mi.)	23	48
CIRCLE K 2705138 Solid Waste Permit #: 11013	2624 BROAD RIVER RD	NW 0 - 1/8 (0.112 mi.)	G31	59
SPEEDWAY 2842 Solid Waste Permit #: 07633	1714 BROAD RIVER RD	SE 1/4 - 1/2 (0.308 mi.)	J39	77
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PORT UNIT 288 Solid Waste Permit #: 07758	2224 BROAD RIVER RD	0 - 1/8 (0.000 mi.)	A3	11
CIRCLE K 3105	2220 BROAD RIVER RD	NE 0 - 1/8 (0.022 mi.)	A21	41

EXECUTIVE SUMMARY

Solid Waste Permit #: 07648

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 10 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BANNISTERS 66 SERVIC	2114 BROAD RIVER RD	SE 0 - 1/8 (0.002 mi.)	D7	16
MOBIL OIL CORP	2121 BROAD RIVER ROA	SE 0 - 1/8 (0.002 mi.)	B9	22
SHEPPARD TEXACO	2116 BROAD RIVER RD	SE 0 - 1/8 (0.005 mi.)	D12	29
ROBERTSONS GULF SERV	2123 BROAD RIVER RD	SE 0 - 1/8 (0.021 mi.)	F18	40
METTS OIL CO	2340 BROAD RIVER ROA	NE 0 - 1/8 (0.107 mi.)	27	56
CIRCLE K STORES INC	2624 BROAD RIVER RD	NW 0 - 1/8 (0.112 mi.)	G29	57

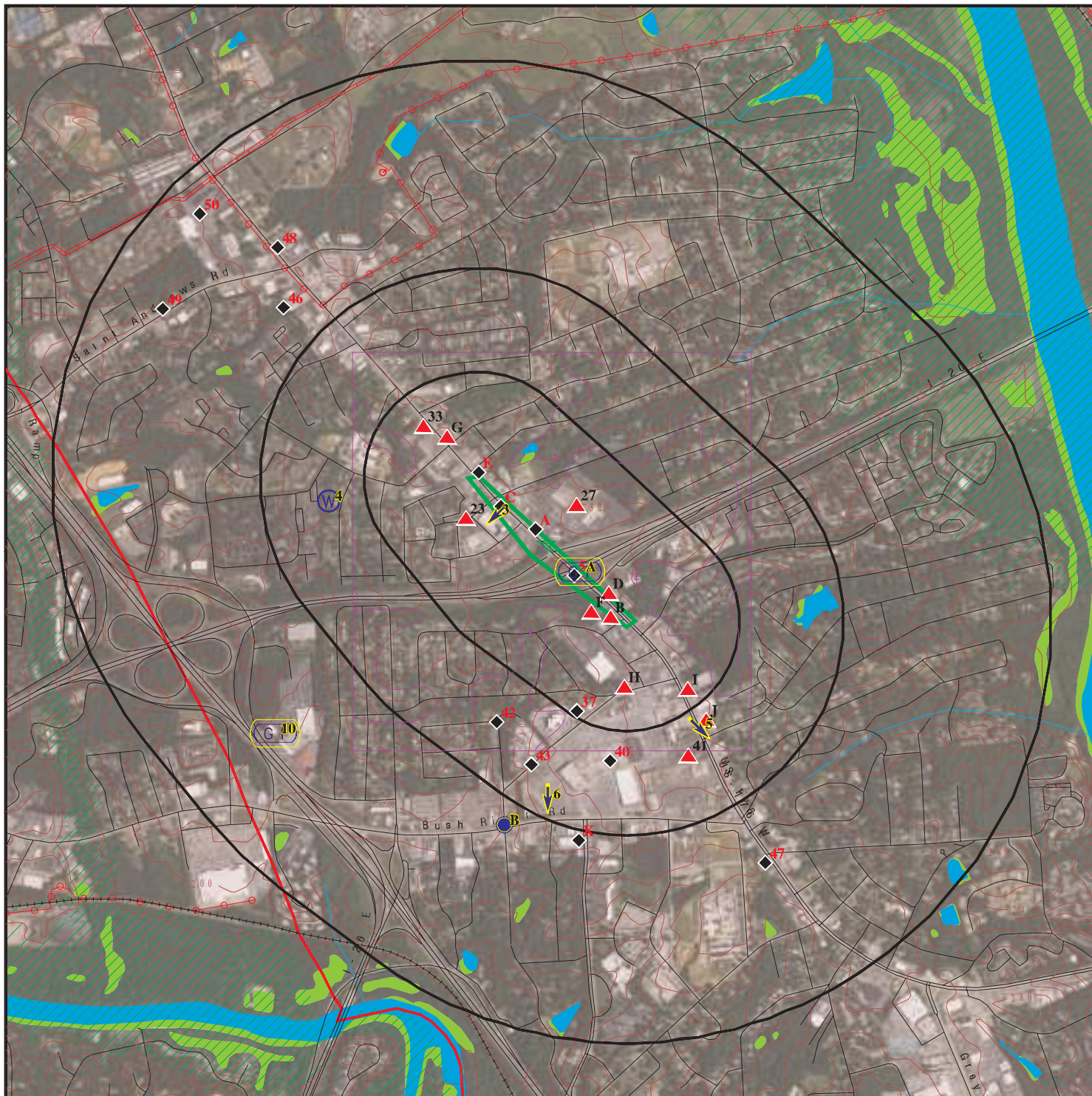
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FOX SHELL SERVICE ST	2224 BROAD RIVER RD	0 - 1/8 (0.000 mi.)	A1	8
AUTRYS AMOCO	2369 BROAD RIVER RD	0 - 1/8 (0.000 mi.)	C4	14
AAMCO TRANSMISSIONS	2428 BROAD RIVER RD	NW 0 - 1/8 (0.009 mi.)	E15	35
GARVIN OIL COMPANY I	2220 BROAD RIVER RD	NE 0 - 1/8 (0.022 mi.)	A20	41







EXECUTIVE SUMMARY









Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

<u>Site Name</u>	<u>Database(s)</u>
RUSHMORE SITE	CDL
FMR ED ROBINSON LAUNDRY & DRY CLE	SEMS-ARCHIVE
LEXINGTON HEALTH INC DBA LEXINGTON	DRYCLEANERS
DORIS DERRICK PROPERTY	LUST
FORMER USA SERVICE STATION	LUST, UST
	LUST, UST, GWCI

OVERVIEW MAP - 6860313.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites

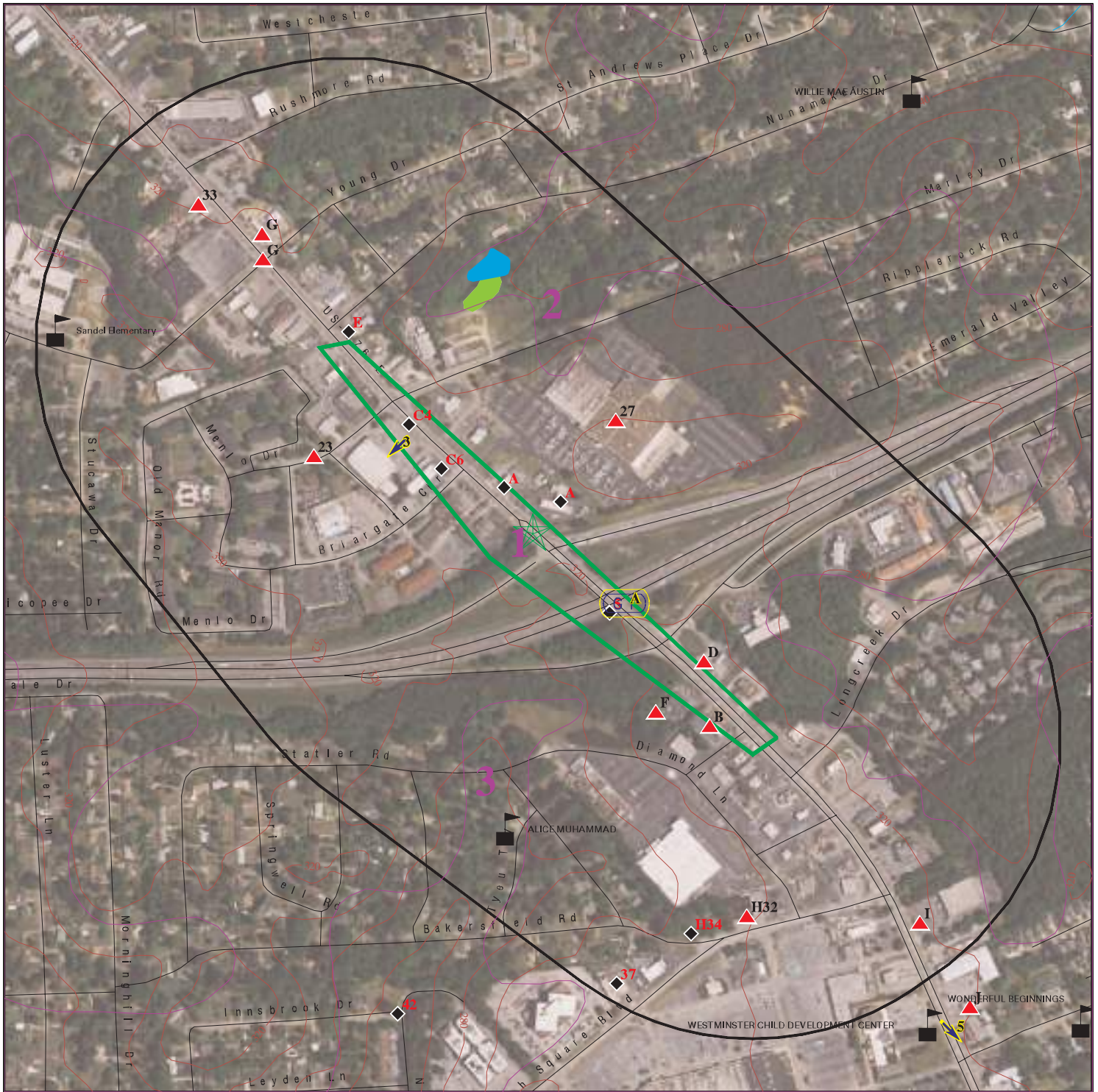
-  Indian Reservations BIA
-  County Boundary
-  Power transmission lines
-  Pipelines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands








This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

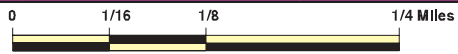
SITE NAME: Carolina Cross Roads
 ADDRESS: Broad River Rd
 Columbia SC 29210
 LAT/LONG: 34.040273 / 81.094887

CLIENT: ARM Environmental Services
 CONTACT: Richard Ciccolella
 INQUIRY #: 6860313.2s
 DATE: February 16, 2022 12:07 pm

DETAIL MAP - 6860313.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites



-  Indian Reservations BIA
-  National Wetland Inventory
-  State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Carolina Cross Roads
 ADDRESS: Broad River Rd
 Columbia SC 29210
 LAT/LONG: 34.040273 / 81.094887

CLIENT: ARM Environmental Services
 CONTACT: Richard Ciccolella
 INQUIRY #: 6860313.2s
 DATE: February 16, 2022 12:10 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		2	3	NR	NR	NR	5
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
SHWS	1.000		0	0	3	7	NR	10
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		10	2	2	NR	NR	14

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		15	2	NR	NR	NR	17
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
RCR	0.500		7	0	1	NR	NR	8
AUL	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
ALLSITES	0.500		0	0	0	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	0.250		3	1	NR	NR	NR	4

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
GWCI	0.500		7	0	1	NR	NR	8
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		10	NR	NR	NR	NR	10
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	54	8	7	7	0	76

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

A1 **FOX SHELL SERVICE STATION**
2224 BROAD RIVER RD
< 1/8 **COLUMBIA, SC 29210**
1 ft.

EDR Hist Auto **1022058315**
N/A

Site 1 of 6 in cluster A

Relative: EDR Hist Auto
Lower

Actual: 316 ft.	Year: Name:	Type:
	1974 FOX SHELL SERVICE STATION	Gasoline Service Stations
	1975 FOX SHELL SERVICE STATION	Gasoline Service Stations
	1976 FOX SHELL SERVICE STATION	Gasoline Service Stations

B2 **USS AGRI-CHEMICALS**
BROADRIVER RD,PO BOX 21099
< 1/8 **COLUMBIA, SC 29221**
1 ft.

RCRA NonGen / NLR **1000101385**
SCD044942878

Site 1 of 4 in cluster B

Relative: RCRA NonGen / NLR:
Higher

Actual: 333 ft.	Date Form Received by Agency:	19800815
	Handler Name:	USS AGRI-CHEMICALS
	Handler Address:	BROADRIVER RD,PO BOX 21099
	Handler City,State,Zip:	COLUMBIA, SC 29221
	EPA ID:	SCD044942878
	Contact Name:	JOHN NICKERSON
	Contact Address:	PO BOX 1685
	Contact City,State,Zip:	ATLANTA, GA 30301
	Contact Telephone:	404-572-4105
	Contact Fax:	Not reported
	Contact Email:	Not reported
	Contact Title:	Not reported
	EPA Region:	04
	Land Type:	Not reported
	Federal Waste Generator Description:	Not a generator, verified
	Non-Notifier:	Not reported
	Biennial Report Cycle:	Not reported
	Accessibility:	Not reported
	Active Site Indicator:	Not reported
	State District Owner:	SC
	State District:	CM
	Mailing Address:	PO BOX 1685
	Mailing City,State,Zip:	ATLANTA, GA 30301
	Owner Name:	OWNERNAME
	Owner Type:	Private
	Operator Name:	OPERNAME
	Operator Type:	Private
	Short-Term Generator Activity:	No
	Importer Activity:	No
	Mixed Waste Generator:	No
	Transporter Activity:	No
	Transfer Facility Activity:	No
	Recycler Activity with Storage:	No
	Small Quantity On-Site Burner Exemption:	No
	Smelting Melting and Refining Furnace Exemption:	No
	Underground Injection Control:	No
	Off-Site Waste Receipt:	No
	Universal Waste Indicator:	No
	Universal Waste Destination Facility:	No
	Federal Universal Waste:	No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USS AGRI-CHEMICALS (Continued)

1000101385

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	P071
Waste Description:	METHYL PARATHION (OR) PHOSPHOROTHIOIC ACID, O,O,-DIMETHYL O-(4-NITROPHENYL) ESTER
Waste Code:	U084
Waste Description:	1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO-
Waste Code:	U224
Waste Description:	Not Defined
Waste Code:	U233
Waste Description:	Not Defined

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS AGRI-CHEMICALS (Continued)

1000101385

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	OPERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, WY 99999
Owner/Operator Telephone:	404-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	OWNERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, WY 99999
Owner/Operator Telephone:	404-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19800815
Handler Name:	USS AGRI-CHEMICALS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	SC
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	325312
NAICS Description:	PHOSPHATIC FERTILIZER MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Evaluation Action Summary:

Evaluations:	No Evaluations Found
--------------	----------------------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3 **PORT UNIT 288**
2224 BROAD RIVER RD
< 1/8 **COLUMBIA, SC**
1 ft.
Site 2 of 6 in cluster A

LUST **U003524384**
UST **N/A**
RCR
Financial Assurance
GWCI
UIC

Relative:
Lower

Actual:
316 ft.

LUST:

Name: PORT UNIT 288
Address: 2224 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6730
Release Number: 1
Facility ID: 07758
Release Status Number: Not reported
Substance: PETROL
Tank Owner Company Name: SPEEDWAY LLC
Tank Owner Last Name: Not reported
Tank Owner First name: Not reported
NFA Date: Not reported
Tank Owner City: Not reported
Confirmed Date: Not reported
Release Date: 12/19/1989
EID: Not reported
Local Facility District: Not reported
SCRBCA Class Number: Not reported
Release Fin Type Code: Not reported
Qualified: Not reported
Release Source: Not reported
Local Fac Last Name: Not reported
Local Fac First Name: Not reported
User Name: BALDWIBA
Cleanup Initiated Date: 06/04/1990
Prefix: Not reported
Total Score: 84

LUST:

Release Date: 12/19/1989
Cleanup Complete Date: Not reported
Depth to Ground Water: 25.43
Ground Water Flow Direction: N
Release Number: 1
Confirmed date: 06/04/1990
RP Name: MARATHON ASHLAND PETROLEUM LLC
RP Address: 539 S MAIN ST
RP City: FINDLAY
RP State: OH
RP Zip: 45840
SCRBCA Class Code: CLASS4BA
Project Manager: FULMER, SUSAN B
Release Fin Type Code: WS

UST:

Name: PORT UNIT 288
Address: 2224 BROAD RIVER RD
City: COLUMBIA
Facility ID: 07758
Permit: N 07758
Owner: SPEEDWAY LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORT UNIT 288 (Continued)

U003524384

Owner Address: 500 SPEEDWAY DR
Owner City, st, zip: ENON OH 45323-1056
Owner Phone: 336-767-6280

Tank ID: 1
Status: **Abandoned**
Capacity: 5000
Product: Gasoline
Calcage: 25

Name: PORT UNIT 288
Address: 2224 BROAD RIVER RD
City: COLUMBIA

Tank ID: 2
Status: **Abandoned**
Capacity: 5000
Product: Gasoline
Calcage: 25

Name: PORT UNIT 288
Address: 2224 BROAD RIVER RD
City: COLUMBIA

Tank ID: 3
Status: **Abandoned**
Capacity: 8000
Product: Gasoline
Calcage: 25

Name: PORT UNIT 288
Address: 2224 BROAD RIVER RD
City: COLUMBIA

Tank ID: 4
Status: **Abandoned**
Capacity: 8000
Product: Gasoline
Calcage: 25

Name: PORT UNIT 288
Address: 2224 BROAD RIVER RD
City: COLUMBIA

Tank ID: 5
Status: **Abandoned**
Capacity: 550
Product: Waste oil, burnt oil, used oil
Calcage: 25

RCR:
Name: PORT UNIT 288
Address: 2224 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6730
Entity Responsibility: Not reported
Region: Not reported
Tax Id: R07402-02-01

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PORT UNIT 288 (Continued)

U003524384

Latitude: 34.04074
Longitude: -81.0957
Tracking Number: 07758
Regulatory Program: Not reported
Reported: 12/19/89
CU-MCL: 07/06/21
Unit Type: Not reported
Unit Number/Letter: Not reported
Area/Acres: Not reported
Affected Media: Not reported
Site/Unit: Not reported
Conditions: Not reported
Associated Response/Corrective Action: Not reported
Associated Chemicals Requiring: Not reported

SC Financial Assurance 3:

Name: PORT UNIT 288
Address: 2224 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6730
Owner Name: SPEEDWAY LLC
Owner Address: 500 SPEEDWAY DR
Owner City St Zip: ENON OH 45323-1056
Mechanism: Self Insurance 280.95
Date Expired: Not reported
Bill: 0

SC GWIC:

Bureau: BLWM
EAP ID: Not reported
Solid Waste Permit #: Not reported
Bureau of Land & Waste Management File #: Not reported
Permit Number: 07758
WPC Permit: Not reported
Program: DUST
Contamination: PETRO
Petroleum Products: True
Volatile Organic Compounds: False
Metals: False
Nitrates or Potential to Nitrate: False
Pesticides & Herbicides: False
Polychlorinated Biphenyls: False
Base, Neutral, & Acid Extractables: False
Phenols: False
Radionuclides Over Max Contaminant Levels: False
Sources Not In Other Categories: False
Source: UST
Underground Storage Tanks: True
Pits, Ponds, & Lagoons: False
Spills & Leaks: False
Landfills: False
Aboveground Storage Tank: False
Spray Irrigation: False
Single-Event Spill: False
Unpermitted Disposal: False
Septic Tank/Tile Field: False
Substances Not In Other Categories: False

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PORT UNIT 288 (Continued)

U003524384

Sources of Contamination Undetermined: False
 Assessment: No
 Monitoring: No
 Remediation: Yes
 Surface Impact: No
 Drinking Water Well Impact: No
 Remarks: Site ID # 07758. RBCA Classification 2BA3. Monitored Natural Attenuation.

UIC:

Name: PORT OIL STATION 288
 Address: 2224 BROAD RIVER RD
 City,State,Zip: COLUMBIA, SC 29203
 Permit Number: SCHE03000042
 Permit Holder: EMRO MARKETING CORP
 Former Permit Number: 146
 Activity: Inactive
 Disposition: Closed
 District: Columbia EQC Office
 Sub Type: Area Permit

C4
 < 1/8
 1 ft.

AUTRYS AMOCO
2369 BROAD RIVER RD
COLUMBIA, SC 29210

EDR Hist Auto 1021614660
N/A

Site 1 of 2 in cluster C

Relative: Lower

EDR Hist Auto

Actual: 312 ft.

Year:	Name:	Type:
1976	AUTRYS AMOCO	Gasoline Service Stations
1977	AUTRYS AMOCO	Gasoline Service Stations
1978	AUTRYS AMOCO	Gasoline Service Stations
1979	AUTRYS AMOCO	Gasoline Service Stations

5
 < 1/8
 1 ft.

TEXACO SERVICE
BROAD RIVER & I 20
COLUMBIA, SC

UST U003525830
N/A

UST:

Relative: Lower

Name: TEXACO SERVICE
 Address: BROAD RIVER & I 20
 City: COLUMBIA
 Facility ID: 07628
 Permit: N 07628
 Owner: TEXACO USA
 Owner Address: PO BOX 4582
 Owner City, st, zip: ATLANTA GA 30302-4582
 Owner Phone: 404-321-4411

Actual: 317 ft.

Tank ID: 1
Status: Abandoned
 Capacity: 10000
 Product: Gasoline
 Calcage: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO SERVICE (Continued)

U003525830

Name: TEXACO SERVICE
Address: BROAD RIVER & I 20
City: COLUMBIA

Tank ID: 2
Status: Abandoned
Capacity: 10000
Product: Gasoline
Calcage: Not reported

Name: TEXACO SERVICE
Address: BROAD RIVER & I 20
City: COLUMBIA

Tank ID: 3
Status: Abandoned
Capacity: 6000
Product: Gasoline
Calcage: Not reported

Name: TEXACO SERVICE
Address: BROAD RIVER & I 20
City: COLUMBIA

Tank ID: 4
Status: Abandoned
Capacity: 1000
Product: Fuel oil
Calcage: Not reported

Name: TEXACO SERVICE
Address: BROAD RIVER & I 20
City: COLUMBIA

Tank ID: 5
Status: Abandoned
Capacity: 550
Product: Waste oil, burnt oil, used oil
Calcage: Not reported

C6

YOKAHAMA TIRE
2341 BROAD RIVER RD
COLUMBIA, SC

LUST U003714870
UST N/A

< 1/8
1 ft.

Site 2 of 2 in cluster C

Relative:
Lower

LUST:
Name: YOKAHAMA TIRE
Address: 2341 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6731
Release Number: 1
Facility ID: 18544
Release Status Number: Not reported
Substance: PETRO
Tank Owner Company Name: STURKIE, ALBERT
Tank Owner Last Name: STURKIE
Tank Owner First name: ALBERT
NFA Date: 03/31/2000

Actual:
315 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YOKAHAMA TIRE (Continued)

U003714870

Tank Owner City: W COLUMBIA
Confirmed Date: 03/06/2000
Release Date: 03/02/2000
EID: 1797804
Local Facility District: Columbia EQC Office
SCRBCA Class Number: Not reported
Release Fin Type Code: UNK
Qualified: Not reported
Release Source: UST
Local Fac Last Name: YOKAHAMA TIRE
Local Fac First Name: Not reported
User Name: FANTRM
Cleanup Initiated Date: 03/06/2000
Prefix: N
Total Score: Not reported

UST:

Name: YOKAHAMA TIRE
Address: 2341 BROAD RIVER RD
City: COLUMBIA
Facility ID: 18544
Permit: N 18544
Owner: STURKIE, ALBERT
Owner Address: 757 RAMBLIN RD
Owner City, st, zip: W COLUMBIA SC 29170
Owner Phone: 803-755-1735

Tank ID: 1
Status: Abandoned
Capacity: 128
Product: Waste oil, burnt oil, used oil
Calcage: 25

D7
SE
< 1/8
0.002 mi.
11 ft.

BANNISTERS 66 SERVICE STATION
2114 BROAD RIVER RD
COLUMBIA, SC 29210

EDR Hist Auto 1020279738
N/A

Site 1 of 4 in cluster D

Relative:
Higher

EDR Hist Auto

Actual:
326 ft.

Year:	Name:	Type:
1971	BANNISTERS 66 SERVICE STATION	Gasoline Service Stations
1972	BANNISTERS 66 SERVICE STATION	Gasoline Service Stations
1973	BANNISTERS 66 SERVICE STATION	Gasoline Service Stations
1980	DARLINGTONS TUNE-UP CENTER	Gasoline Service Stations
1982	DARLINGTONS TUNE-UP CENTER	Gasoline Service Stations
1983	DARLINGTONS TUNE-UP CENTER	Gasoline Service Stations
2001	RACETRAC PETROLEUM INC	Gasoline Service Stations
2002	RACETRAC PETROLEUM INC	Gasoline Service Stations
2002	PART LLC OF FLORENCE	Gasoline Service Stations
2003	RACETRAC PETROLEUM INC	Gasoline Service Stations
2003	PART LLC OF FLORENCE	Gasoline Service Stations
2004	RACETRAC PETROLEUM INC	Gasoline Service Stations
2004	PART LLC OF FLORENCE	Gasoline Service Stations
2005	RACETRAC PETROLEUM INC	Gasoline Service Stations, NEC
2005	PART LLC OF FLORENCE	Gasoline Service Stations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BANNISTERS 66 SERVICE STATION (Continued)

1020279738

2006	RACETRAC PETROLEUM INC	Gasoline Service Stations, NEC
2007	RACETRAC PETROLEUM INC	Gasoline Service Stations, NEC
2008	RACETRAC PETROLEUM INC	Gasoline Service Stations, NEC
2009	RACETRAC PETROLEUM INC	Gasoline Service Stations, NEC
2010	RACETRAC PETROLEUM INC	Gasoline Service Stations, NEC
2011	RACETRAC PETROLEUM INC	Gasoline Service Stations, NEC
2012	RACETRAC PETROLEUM INC	Gasoline Service Stations, NEC
2013	RACETRAC PETROLEUM INC	Gasoline Service Stations, NEC
2014	RACETRAC PETROLEUM INC	Gasoline Service Stations, NEC

D8
SE
< 1/8
0.002 mi.
11 ft.

RACETRAC 978
2114 BROAD RIVER RD
COLUMBIA, SC
Site 2 of 4 in cluster D

LUST
UST
RCR
Financial Assurance
GWCI
U004019472
N/A

Relative:
Higher
Actual:
326 ft.

LUST:
Name: RACETRAC 978
Address: 2114 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-7008
Release Number: 2
Facility ID: 07910
Release Status Number: Not reported
Substance: PETROL
Tank Owner Company Name: RACETRAC PETROLEUM INC
Tank Owner Last Name: Not reported
Tank Owner First name: Not reported
NFA Date: 10/05/2010
Tank Owner City: Not reported
Confirmed Date: Not reported
Release Date: 04/01/2010
EID: Not reported
Local Facility District: Not reported
SCRBCA Class Number: Not reported
Release Fin Type Code: Not reported
Qualified: Not reported
Release Source: Not reported
Local Fac Last Name: Not reported
Local Fac First Name: Not reported
User Name: SHRADEAA
Cleanup Initiated Date: 04/28/2010
Prefix: Not reported
Total Score: 41

LUST:
Release Date: 04/01/2010
Cleanup Complete Date: 10/05/2010
Depth to Ground Water: 39.60
Ground Water Flow Direction: Not reported
Release Number: 2
Confirmed date: 04/28/2010
RP Name: RACETRAC PETROLEUM INC
RP Address: 3225 CUMBERLAND BLVD STE 100
RP City: ATLANTA
RP State: GA
RP Zip: 30339
SCRBCA Class Code: CLASS4AA
Project Manager: SHRADER, ART A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RACETRAC 978 (Continued)

U004019472

Release Fin Type Code: ENQ

Release Date: 12/12/1991
Cleanup Complete Date: Not reported
Depth to Ground Water: 35.64
Ground Water Flow Direction: W
Release Number: 1
Confirmed date: 03/23/1992
RP Name: RACETRAC PETROLEUM INC
RP Address: 300 TECHNOLOGY CT
RP City: SMYRNA
RP State: GA
RP Zip: 30082
SCRBCA Class Code: CLASS3BA
Project Manager: FULMER, SUSAN B
Release Fin Type Code: WS

Name: RACETRAC 978
Address: 2114 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-7008
Release Number: 1
Facility ID: 07910
Release Status Number: Not reported
Substance: PETROL
Tank Owner Company Name: RACETRAC PETROLEUM INC
Tank Owner Last Name: Not reported
Tank Owner First name: Not reported
NFA Date: 05/06/2021
Tank Owner City: Not reported
Confirmed Date: Not reported
Release Date: 12/12/1991
EID: Not reported
Local Facility District: Not reported
SCRBCA Class Number: Not reported
Release Fin Type Code: Not reported
Qualified: Not reported
Release Source: Not reported
Local Fac Last Name: Not reported
Local Fac First Name: Not reported
User Name: BALDWIBA
Cleanup Initiated Date: 03/23/1992
Prefix: Not reported
Total Score: 2341

LUST:

Release Date: 04/01/2010
Cleanup Complete Date: 10/05/2010
Depth to Ground Water: 39.60
Ground Water Flow Direction: Not reported
Release Number: 2
Confirmed date: 04/28/2010
RP Name: RACETRAC PETROLEUM INC
RP Address: 3225 CUMBERLAND BLVD STE 100
RP City: ATLANTA
RP State: GA
RP Zip: 30339
SCRBCA Class Code: CLASS4AA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RACETRAC 978 (Continued)

U004019472

Project Manager: SHRADER, ART A
Release Fin Type Code: ENQ

Release Date: 12/12/1991
Cleanup Complete Date: Not reported
Depth to Ground Water: 35.64
Ground Water Flow Direction: W
Release Number: 1
Confirmed date: 03/23/1992
RP Name: RACETRAC PETROLEUM INC
RP Address: 300 TECHNOLOGY CT
RP City: SMYRNA
RP State: GA
RP Zip: 30082
SCRBCA Class Code: CLASS3BA
Project Manager: FULMER, SUSAN B
Release Fin Type Code: WS

Name: RACETRAC 978
Address: 2114 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-7008
Release Number: 3
Facility ID: 07910
Release Status Number: Not reported
Substance: PETROL
Tank Owner Company Name: RACETRAC PETROLEUM INC
Tank Owner Last Name: Not reported
Tank Owner First name: Not reported
NFA Date: 02/09/2018
Tank Owner City: Not reported
Confirmed Date: Not reported
Release Date: 03/02/2017
EID: Not reported
Local Facility District: Not reported
SCRBCA Class Number: Not reported
Release Fin Type Code: Not reported
Qualified: Not reported
Release Source: Not reported
Local Fac Last Name: Not reported
Local Fac First Name: Not reported
User Name: MENDENJE
Cleanup Initiated Date: 06/01/2017
Prefix: Not reported
Total Score: 2148

LUST:

Release Date: 04/01/2010
Cleanup Complete Date: 10/05/2010
Depth to Ground Water: 39.60
Ground Water Flow Direction: Not reported
Release Number: 2
Confirmed date: 04/28/2010
RP Name: RACETRAC PETROLEUM INC
RP Address: 3225 CUMBERLAND BLVD STE 100
RP City: ATLANTA
RP State: GA
RP Zip: 30339

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RACETRAC 978 (Continued)

U004019472

SCRBCA Class Code: CLASS4AA
Project Manager: SHRADER, ART A
Release Fin Type Code: ENQ

Release Date: 12/12/1991
Cleanup Complete Date: Not reported
Depth to Ground Water: 35.64
Ground Water Flow Direction: W
Release Number: 1
Confirmed date: 03/23/1992
RP Name: RACETRAC PETROLEUM INC
RP Address: 300 TECHNOLOGY CT
RP City: SMYRNA
RP State: GA
RP Zip: 30082
SCRBCA Class Code: CLASS3BA
Project Manager: FULMER, SUSAN B
Release Fin Type Code: WS

UST:

Name: RACETRAC 978
Address: 2114 BROAD RIVER RD
City: COLUMBIA
Facility ID: 07910
Permit: R 07910
Owner: RACETRAC PETROLEUM INC
Owner Address: 200 GALLERIA PKWY SE
Owner City, st, zip: ATLANTA GA 30339
Owner Phone: 770-431-7600

Tank ID: 1
Status: Abandoned
Capacity: 11300
Product: Gasoline RUL
Calcage: 5

Name: RACETRAC 978
Address: 2114 BROAD RIVER RD
City: COLUMBIA

Tank ID: 2
Status: Abandoned
Capacity: 11300
Product: Gasoline Super/Prem
Calcage: 5

Name: RACETRAC 978
Address: 2114 BROAD RIVER RD
City: COLUMBIA

Tank ID: 3
Status: Abandoned
Capacity: 11300
Product: Gasoline
Calcage: 5

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RACETRAC 978 (Continued)

U004019472

Name: RACETRAC 978
Address: 2114 BROAD RIVER RD
City: COLUMBIA

Tank ID: 4
Status: Abandoned
Capacity: 11300
Product: Diesel fuel
Calcage: 5

RCR:

Name: RACETRAC 978
Address: 2114 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-7008
Entity Responsibility: Not reported
Region: Not reported
Tax Id: R07402-03-02A
Latitude: 34.03806
Longitude: -81.09152
Tracking Number: 07910
Regulatory Program: Not reported
Reported: 12/12/91
CU-MCL: 05/06/21
Unit Type: Not reported
Unit Number/Letter: Not reported
Area/Acres: Not reported
Affected Media: Not reported
Site/Unit: Not reported
Conditions: Not reported
Associated Response/Corrective Action: Not reported
Associated Chemicals Requiring: Not reported

SC Financial Assurance 3:

Name: RACETRAC 978
Address: 2114 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-7008
Owner Name: RACETRAC PETROLEUM INC
Owner Address: 200 GALLERIA PKWY SE
Owner City St Zip: ATLANTA GA 30339
Mechanism: Self Insurance 280.95
Date Expired: 12/23/2018
Bill: 0

SC GWIC:

Bureau: BLWM
EAP ID: Not reported
Solid Waste Permit #: Not reported
Bureau of Land & Waste Management File #: Not reported
Permit Number: 07910
WPC Permit: Not reported
Program: DUST
Contamination: PETRO
Petroleum Products: True
Volatile Organic Compounds: False
Metals: False
Nitrates or Potential to Nitrate: False

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RACETRAC 978 (Continued)

U004019472

Pesticides & Herbicides:	False
Polychlorinated Biphenyls:	False
Base, Neutral, & Acid Extractables:	False
Phenols:	False
Radionuclides Over Max Contaminant Levels:	False
Sources Not In Other Categories:	False
Source:	UST
Underground Storage Tanks:	True
Pits, Ponds, & Lagoons:	False
Spills & Leaks:	False
Landfills:	False
Aboveground Storage Tank:	False
Spray Irrigation:	False
Single-Event Spill:	False
Unpermitted Disposal:	False
Septic Tank/Tile Field:	False
Substances Not In Other Categories:	False
Sources of Contamination Undetermined:	False
Assessment:	Yes
Monitoring:	No
Remediation:	No
Surface Impact:	No
Drinking Water Well Impact:	No
Remarks:	Site ID # 07910. RBCA Classification 3BA1. Conducting investigation/Risk Assessment.

B9
SE
 < 1/8
 0.002 mi.
 12 ft.

MOBIL OIL CORP
2121 BROAD RIVER ROAD
COLUMBIA, SC 29210

EDR Hist Auto **1020967137**
N/A

Site 2 of 4 in cluster B

Relative: EDR Hist Auto
Higher

Actual: 332 ft.	Year:	Name:	Type:
	1973	MOBILE OIL CORPORATION	Gasoline Service Stations
	1974	MOBIL OIL CORP	Gasoline Service Stations
	1975	MOBIL OIL CORP	Gasoline Service Stations
	1976	MOBIL OIL CORP	Gasoline Service Stations
	1977	MOBIL OIL CORP	Gasoline Service Stations
	1978	MOBIL OIL CORP	Gasoline Service Stations
	1980	MOBILE OIL CORPORTION	Gasoline Service Stations
	1982	MOBILE OIL CORPORTION	Gasoline Service Stations

B10
SE
 < 1/8
 0.002 mi.
 12 ft.

MCQUIKS OILUBE
2121 BROAD RIVER RD
COLUMBIA, SC

LUST **U004016932**
UST **N/A**
RCR

Financial Assurance
GWCI

Site 3 of 4 in cluster B

Relative: LUST:
Higher

Actual: 332 ft.	Name:	MCQUIKS OILUBE
	Address:	2121 BROAD RIVER RD
	City,State,Zip:	COLUMBIA, SC 29210
	Release Number:	1
	Facility ID:	10130

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCQUIKS OILUBE (Continued)

U004016932

Release Status Number: 3
Substance: PETRO
Tank Owner Company Name: SOUTHEAST LUBE INC
Tank Owner Last Name: SOUTHEAST LUBE INC
Tank Owner First name: Not reported
NFA Date: 11/05/2013
Tank Owner City: COLUMBIA
Confirmed Date: 11/14/1995
Release Date: 10/03/1995
EID: 1757567
Local Facility District: Columbia EQC Office
SCRBCA Class Number: 4AA
Release Fin Type Code: WS
Qualified: Y
Release Source: UST
Local Fac Last Name: MCQUIKS OILUBE
Local Fac First Name: Not reported
User Name: FULMERSB
Cleanup Initiated Date: 11/14/1995
Prefix: P
Total Score: 1066

LUST:

Release Date: 10/03/1995
Cleanup Complete Date: Not reported
Depth to Ground Water: 38.35
Ground Water Flow Direction: NW
Release Number: 1
Confirmed date: 11/14/1995
RP Name: SOUTHEAST LUBE INC
RP Address: PO BOX 210829
RP City: COLUMBIA
RP State: SC
RP Zip: 29221-0829
SCRBCA Class Code: CLASS4AA
Project Manager: FULMER, SUSAN B
Release Fin Type Code: WS

UST:

Name: MCQUIKS OILUBE
Address: 2121 BROAD RIVER RD
City: COLUMBIA
Facility ID: 10130
Permit: P 10130
Owner: SOUTHEAST LUBE INC
Owner Address: PO BOX 210829
Owner City, st, zip: COLUMBIA SC 29221-0829
Owner Phone: - -

Tank ID: 1
Status: **Abandoned**
Capacity: 4000
Product: Motor oil, lube oil, hydraulic oil (new)
Calcage: Not reported

Name: MCQUIKS OILUBE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCQUIKS OILUBE (Continued)

U004016932

Address: 2121 BROAD RIVER RD
City: COLUMBIA

Tank ID: 2
Status: **Abandoned**
Capacity: 4000
Product: Motor oil, lube oil, hydraulic oil (new)
Calcage: Not reported

Name: MCQUIKS OILUBE
Address: 2121 BROAD RIVER RD
City: COLUMBIA

Tank ID: 3
Status: **Abandoned**
Capacity: 4000
Product: Waste oil, burnt oil, used oil
Calcage: Not reported

RCR:

Name: MCQUIKS OILUBE
Address: 2121 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210
Entity Responsibility: Not reported
Region: Not reported
Tax Id: R07402-04-14
Latitude: 34.0376
Longitude: -81.09252
Tracking Number: 10130
Regulatory Program: Not reported
Reported: 10/03/95
CU-MCL: 11/05/13
Unit Type: Not reported
Unit Number/Letter: Not reported
Area/Acres: Not reported
Affected Media: Not reported
Site/Unit: Not reported
Conditions: Not reported
Associated Response/Corrective Action: Not reported
Associated Chemicals Requiring: Not reported

SC Financial Assurance 3:

Name: MCQUIKS OILUBE
Address: 2121 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210
Owner Name: SOUTHEAST LUBE INC
Owner Address: PO BOX 210829
Owner City St Zip: COLUMBIA SC 29221-0829
Mechanism: None
Date Expired: Not reported
Bill: 0

SC GWIC:

Bureau: BLWM
EAP ID: Not reported
Solid Waste Permit #: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MCQUIKS OILUBE (Continued)

U004016932

Bureau of Land & Waste Management File #: Not reported
 Permit Number: 10130
 WPC Permit: Not reported
 Program: DUST
 Contamination: PETRO
 Petroleum Products: True
 Volatile Organic Compounds: False
 Metals: False
 Nitrates or Potential to Nitrate: False
 Pesticides & Herbicides: False
 Polychlorinated Biphenyls: False
 Base, Neutral, & Acid Extractables: False
 Phenols: False
 Radionuclides Over Max Contaminant Levels: False
 Sources Not In Other Categories: False
 Source: UST
 Underground Storage Tanks: True
 Pits, Ponds, & Lagoons: False
 Spills & Leaks: False
 Landfills: False
 Aboveground Storage Tank: False
 Spray Irrigation: False
 Single-Event Spill: False
 Unpermitted Disposal: False
 Septic Tank/Tile Field: False
 Substances Not In Other Categories: False
 Sources of Contamination Undetermined: False
 Assessment: Yes
 Monitoring: No
 Remediation: No
 Surface Impact: No
 Drinking Water Well Impact: No
 Remarks: Site ID # 10130. RBCA Classification 4AA1. Conducting investigation/Risk Assessment.

B11
SE
 < 1/8
 0.002 mi.
 12 ft.

MCQUIK'S #9660
2121 BROAD RIVERS ROAD
COLUMBIA, SC 29210

RCRA NonGen / NLR

1000461882
SCD987577814

Site 4 of 4 in cluster B

Relative:
Higher
Actual:
332 ft.

RCRA NonGen / NLR:
 Date Form Received by Agency: 20020221
 Handler Name: MCQUIK'S #9660
 Handler Address: 2121 BROAD RIVERS ROAD
 Handler City,State,Zip: COLUMBIA, SC 29210
 EPA ID: SCD987577814
 Contact Name: DENNIS-MGR. DOUGLAS
 Contact Address: 2121 BROAD RIVERS ROAD
 Contact City,State,Zip: COLUMBIA, SC 29210
 Contact Telephone: 803-772-3721
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 04
 Land Type: Private
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MCQUIK'S #9660 (Continued)

1000461882

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	SC
State District:	CM
Mailing Address:	BROAD RIVERS ROAD
Mailing City, State, Zip:	COLUMBIA, SC 29210
Owner Name:	SOUTHEAST LUBE, INC.
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCQUIK'S #9660 (Continued)

1000461882

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined

Waste Code:	D008
Waste Description:	LEAD

Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHEAST LUBE, INC.
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2121 BROAD RIVERS ROAD
Owner/Operator City,State,Zip:	COLUMBIA, SC 29210
Owner/Operator Telephone:	999-999-9999
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19901030
Handler Name:	MCQUIK'S #9660
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	SC
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20020221
Handler Name:	MCQUIK'S #9660
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	SC
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MCQUIK'S #9660 (Continued)

1000461882

Spent Lead Acid Battery Exporter: No
 Current Record: Yes
 Non Storage Recycler Activity: Not reported
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
 NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
 Found Violation: No
 Agency Which Determined Violation: Not reported
 Violation Short Description: Not reported
 Date Violation was Determined: Not reported
 Actual Return to Compliance Date: Not reported
 Return to Compliance Qualifier: Not reported
 Violation Responsible Agency: Not reported
 Scheduled Compliance Date: Not reported
 Enforcement Identifier: Not reported
 Date of Enforcement Action: Not reported
 Enforcement Responsible Agency: Not reported
 Enforcement Docket Number: Not reported
 Enforcement Attorney: Not reported
 Corrective Action Component: Not reported
 Appeal Initiated Date: Not reported
 Appeal Resolution Date: Not reported
 Disposition Status Date: Not reported
 Disposition Status: Not reported
 Disposition Status Description: Not reported
 Consent/Final Order Sequence Number: Not reported
 Consent/Final Order Respondent Name: Not reported
 Consent/Final Order Lead Agency: Not reported
 Enforcement Type: Not reported
 Enforcement Responsible Person: Not reported
 Enforcement Responsible Sub-Organization: Not reported
 SEP Sequence Number: Not reported
 SEP Expenditure Amount: Not reported
 SEP Scheduled Completion Date: Not reported
 SEP Actual Date: Not reported
 SEP Defaulted Date: Not reported
 SEP Type: Not reported
 SEP Type Description: Not reported
 Proposed Amount: Not reported
 Final Monetary Amount: Not reported
 Paid Amount: Not reported
 Final Count: Not reported
 Final Amount: Not reported

Evaluation Action Summary:
 Evaluation Date: 20020220
 Evaluation Responsible Agency: State
 Found Violation: No
 Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Evaluation Responsible Person Identifier: SCGDS
 Evaluation Responsible Sub-Organization: CM
 Actual Return to Compliance Date: Not reported
 Scheduled Compliance Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MCQUIK'S #9660 (Continued)

1000461882

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

**D12
 SE
 < 1/8
 0.005 mi.
 29 ft.**

**SHEPPARD TEXACO
 2116 BROAD RIVER RD
 COLUMBIA, SC 29210**

**EDR Hist Auto 1021634214
 N/A**

Site 3 of 4 in cluster D

**Relative:
 Higher** EDR Hist Auto

Actual: 325 ft.	Year:	Name:	Type:
	1974	SHEPPARD TEXACO	Gasoline Service Stations
	1975	SHEPPARD TEXACO	Gasoline Service Stations
	1976	SHEPPARD TEXACO	Gasoline Service Stations
	1977	SHEPPARD TEXACO	Gasoline Service Stations
	1978	SHEPPARD TEXACO	Gasoline Service Stations
	1979	SHEPPARD TEXACO	Gasoline Service Stations
	1980	SHEPPARD TEXACO	Gasoline Service Stations
	1982	SHEPPARD TEXACO	Gasoline Service Stations
	1983	SHEPPARD TEXACO	Gasoline Service Stations
	1985	SHEPPARD TEXACO	Gasoline Service Stations

**D13
 SE
 < 1/8
 0.005 mi.
 29 ft.**

**SHEPPERDS TEXACO STATION
 2116 BROAD RIVER RD
 COLUMBIA, SC**

**LUST U003525153
 UST N/A**

Site 4 of 4 in cluster D

**Relative:
 Higher** LUST:

Actual: 325 ft.	Name:	SHEPPERDS TEXACO STATION
	Address:	2116 BROAD RIVER RD
	City,State,Zip:	COLUMBIA, SC 29210-7008
	Release Number:	1
	Facility ID:	07605
	Release Status Number:	Not reported
	Substance:	PETROL
	Tank Owner Company Name:	TEXACO USA
	Tank Owner Last Name:	Not reported
	Tank Owner First name:	Not reported
	NFA Date:	01/13/2014
	Tank Owner City:	Not reported
	Confirmed Date:	Not reported
	Release Date:	09/23/2008
	EID:	Not reported
	Local Facility District:	Not reported
	SCRBCA Class Number:	Not reported
	Release Fin Type Code:	Not reported
	Qualified:	Not reported
	Release Source:	Not reported
	Local Fac Last Name:	Not reported
	Local Fac First Name:	Not reported
	User Name:	FULMERSB

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHEPPERDS TEXACO STATION (Continued)

U003525153

Cleanup Initiated Date: 11/20/2008
Prefix: Not reported
Total Score: 0

LUST:

Release Date: 09/23/2008
Cleanup Complete Date: Not reported
Depth to Ground Water: 47.67
Ground Water Flow Direction: NW
Release Number: 1
Confirmed date: 11/20/2008
RP Name: CHEVRON TEXACO PRODUCTS
RP Address: 2300 WINDY RIDGE PKWY SE STE 575S
RP City: ATLANTA
RP State: GA
RP Zip: 30339-5673
SCRBCA Class Code: CLASS3BF
Project Manager: FULMER, SUSAN B
Release Fin Type Code: WS

UST:

Name: SHEPPERDS TEXACO STATION
Address: 2116 BROAD RIVER RD
City: COLUMBIA
Facility ID: 07605
Permit: N 07605
Owner: TEXACO USA
Owner Address: PO BOX 4582
Owner City, st, zip: ATLANTA GA 30302-4582
Owner Phone: 404-321-4411

Tank ID: 1
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: Not reported

Name: SHEPPERDS TEXACO STATION
Address: 2116 BROAD RIVER RD
City: COLUMBIA

Tank ID: 2
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: Not reported

Name: SHEPPERDS TEXACO STATION
Address: 2116 BROAD RIVER RD
City: COLUMBIA

Tank ID: 3
Status: **Abandoned**
Capacity: 6000
Product: Gasoline
Calcage: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SHEPPERDS TEXACO STATION (Continued)

U003525153

Name: SHEPPERDS TEXACO STATION
 Address: 2116 BROAD RIVER RD
 City: COLUMBIA

Tank ID: 4
Status: Abandoned
 Capacity: 550
 Product: Waste oil, burnt oil, used oil
 Calcage: Not reported

**E14
 NW
 < 1/8
 0.009 mi.
 47 ft.**

**CAROLINA INDUSTRIAL INC
 2428 BROAD RIVER RD
 COLUMBIA, SC 29210**

**RCRA-VSQQ 1001120764
 FINDS SCR000003491
 ECHO**

Site 1 of 2 in cluster E

**Relative:
 Lower
 Actual:
 308 ft.**

RCRA-VSQQ:
 Date Form Received by Agency: 20080418
 Handler Name: CAROLINA INDUSTRIAL INC
 Handler Address: 2428 BROAD RIVER RD
 Handler City,State,Zip: COLUMBIA, SC 29210
 EPA ID: SCR000003491
 Contact Name: JAMES CHU
 Contact Address: BROAD RIVER RD
 Contact City,State,Zip: COLUMBIA, SC 29210
 Contact Telephone: 803-798-6130
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 04
 Land Type: Private
 Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: SC
 State District: CM
 Mailing Address: BROAD RIVER RD
 Mailing City,State,Zip: COLUMBIA, SC 29210
 Owner Name: ROMAN JASKIN
 Owner Type: Private
 Operator Name: ROMAN JASKIN
 Operator Type: Private
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: No
 Universal Waste Destination Facility: No
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAROLINA INDUSTRIAL INC (Continued)

1001120764

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20161017
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	D039

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAROLINA INDUSTRIAL INC (Continued)

1001120764

Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLOROETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: ROMAN JASKIN
Legal Status: Private
Date Became Current: 19990301
Date Ended Current: Not reported
Owner/Operator Address: 646 HARRISON BR RD
Owner/Operator City,State,Zip: SIMPSONVILLE, SC 29684
Owner/Operator Telephone: 999-999-9999
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ROMAN JASKIN
Legal Status: Private
Date Became Current: 19990301
Date Ended Current: Not reported
Owner/Operator Address: 646 HARRISON BR RD
Owner/Operator City,State,Zip: SIMPSONVILLE, SC 29684
Owner/Operator Telephone: 999-999-9999
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ROMAN JASKIN
Legal Status: Private
Date Became Current: 19990301
Date Ended Current: Not reported
Owner/Operator Address: 646 HARRISON BR RD
Owner/Operator City,State,Zip: SIMPSONVILLE, SC 29684
Owner/Operator Telephone: 999-999-9999
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19960723
Handler Name: AAMCO TRANSMISSIONS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: SC
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAROLINA INDUSTRIAL INC (Continued)

1001120764

Receive Date: 20020311
Handler Name: AAMCO TRANSMISSIONS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: SC
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080418
Handler Name: CAROLINA INDUSTRIAL INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: SC
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 541330
NAICS Description: ENGINEERING SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110004942750

Click Here:

Environmental Interest/Information System:

SC-EFIS (South Carolina - Environmental Facility Information System) integrates information on environmental facilities, permits, violations, enforcement actions, and compliance activities needed to support regulatory requirements and target environmental quality improvements for the water, air, solid waste, and hazardous waste program areas. The EFIS was developed by the state of South Carolina and Maine joined their system in 2004.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAROLINA INDUSTRIAL INC (Continued)

1001120764

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1001120764
 Registry ID: 110004942750
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110004942750>
 Name: AAMCO TRANSMISSIONS
 Address: 2428 BROAD RIVER RD
 City,State,Zip: COLUMBIA, SC 29210

**E15
 NW
 < 1/8
 0.009 mi.
 47 ft.**

**AAMCO TRANSMISSIONS
 2428 BROAD RIVER RD
 COLUMBIA, SC 29210
 Site 2 of 2 in cluster E**

**EDR Hist Auto 1020859807
 N/A**

**Relative:
 Lower**

EDR Hist Auto

**Actual:
 308 ft.**

Year:	Name:	Type:
1985	CARRAWAY ENTERPRISES INC	Automotive Repair Shops, NEC
1986	CARRAWAY ENTERPRISES INC	Automotive Repair Shops, NEC
1987	CARRAWAY ENTERPRISES INC	Automotive Repair Shops, NEC
1988	CARRAWAY ENTERPRISES INC	Automotive Repair Shops, NEC
1989	CARRAWAY ENTERPRISES INC	Automotive Transmission Repair Shops
1990	CARRAWAY ENTERPRISES INC	Automotive Transmission Repair Shops
1991	CARRAWAY ENTERPRISES INC	Automotive Transmission Repair Shops
1992	CARRAWAY ENTERPRISES INC	Automotive Transmission Repair Shops
1993	CARRAWAY ENTERPRISES INC	Automotive Transmission Repair Shops
1994	CARRAWAY ENTERPRISES INC	Automotive Transmission Repair Shops
1995	CARRAWAY ENTERPRISES INC	Automotive Transmission Repair Shops
1996	CARRAWAY ENTERPRISES INC	Automotive Transmission Repair Shops
1997	SHOEMAKER ENTERPRISES INC	Automotive Transmission Repair Shops
1998	SHOEMAKER ENTERPRISES INC	Automotive Transmission Repair Shops
1999	SHOEMAKER ENTERPRISES INC	Automotive Transmission Repair Shops
2002	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2003	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2004	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2004	SECOND VENTURE INC	Automotive Transmission Repair Shops
2005	SECOND VENTURE INC	Automotive Transmission Repair Shops
2005	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2006	SECOND VENTURE INC	Automotive Transmission Repair Shops
2006	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2007	SECOND VENTURE INC	Automotive Transmission Repair Shops
2007	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2008	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2008	SECOND VENTURE INC	Automotive Transmission Repair Shops
2009	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2009	SECOND VENTURE INC	Automotive Transmission Repair Shops
2010	SECOND VENTURE INC	Automotive Transmission Repair Shops
2010	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2011	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2011	SECOND VENTURE INC	Automotive Transmission Repair Shops
2012	SECOND VENTURE INC	Automotive Transmission Repair Shops
2012	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2013	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2013	CAROLINA INDUSTRIL	Automotive Transmission Repair Shops

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AAMCO TRANSMISSIONS (Continued)

1020859807

2013	SECOND VENTURE INC	Automotive Transmission Repair Shops
2014	CAROLINA INDUSTRIAL	Automotive Transmission Repair Shops
2014	AAMCO TRANSMISSIONS	Automotive Transmission Repair Shops
2014	SECOND VENTURE INC	Automotive Transmission Repair Shops

F16
SE
 < 1/8
 0.021 mi.
 110 ft.

GULF SERVICE STATION
2123 BROAD RIVER RD
COLUMBIA, SC

Site 1 of 3 in cluster F

LUST **U003521988**
UST **N/A**
RCR
GWCI

Relative:
Higher

Actual:
327 ft.

LUST:
 Name: GULF SERVICE STATION
 Address: 2123 BROAD RIVER RD
 City,State,Zip: COLUMBIA, SC 29201
 Release Number: 1
 Facility ID: 07342
 Release Status Number: Not reported
 Substance: PETROL
 Tank Owner Company Name: BP OIL INC
 Tank Owner Last Name: Not reported
 Tank Owner First name: Not reported
 NFA Date: 07/27/2017
 Tank Owner City: Not reported
 Confirmed Date: Not reported
 Release Date: 06/30/1993
 EID: Not reported
 Local Facility District: Not reported
 SCRBCA Class Number: Not reported
 Release Fin Type Code: Not reported
 Qualified: Not reported
 Release Source: Not reported
 Local Fac Last Name: Not reported
 Local Fac First Name: Not reported
 User Name: MENDENJE
 Cleanup Initiated Date: 11/10/1994
 Prefix: Not reported
 Total Score: 241

LUST:
 Release Date: 06/30/1993
 Cleanup Complete Date: Not reported
 Depth to Ground Water: 32.78
 Ground Water Flow Direction: S
 Release Number: 1
 Confirmed date: 11/10/1994
 RP Name: BP PRODUCTS OF NORTH AMERICA
 RP Address: 501 WESTLAKE PKWY BLVD STE 20.107C
 RP City: HOUSTON
 RP State: TX
 RP Zip: 77079
 SCRBCA Class Code: CLASS4AA
 Project Manager: FULMER, SUSAN B
 Release Fin Type Code: WS

UST:
 Name: GULF SERVICE STATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GULF SERVICE STATION (Continued)

U003521988

Address: 2123 BROAD RIVER RD
City: COLUMBIA
Facility ID: 07342
Permit: N 07342
Owner: BP OIL INC
Owner Address: Not reported
Owner City, st, zip: ALPHARETTA GA 30004-4811
Owner Phone: 770-576-3082

Tank ID: 1
Status: **Abandoned**
Capacity: 6000
Product: Gasoline
Calcage: Not reported

Name: GULF SERVICE STATION
Address: 2123 BROAD RIVER RD
City: COLUMBIA

Tank ID: 10
Status: **Abandoned**
Capacity: 550
Product: Waste oil, burnt oil, used oil
Calcage: Not reported

Name: GULF SERVICE STATION
Address: 2123 BROAD RIVER RD
City: COLUMBIA

Tank ID: 2
Status: **Abandoned**
Capacity: 6000
Product: Gasoline
Calcage: Not reported

Name: GULF SERVICE STATION
Address: 2123 BROAD RIVER RD
City: COLUMBIA

Tank ID: 3
Status: **Abandoned**
Capacity: 6000
Product: Gasoline
Calcage: Not reported

Name: GULF SERVICE STATION
Address: 2123 BROAD RIVER RD
City: COLUMBIA

Tank ID: 4
Status: **Abandoned**
Capacity: 8000
Product: Gasoline
Calcage: Not reported

Name: GULF SERVICE STATION
Address: 2123 BROAD RIVER RD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GULF SERVICE STATION (Continued)

U003521988

City: COLUMBIA

Tank ID: 5
Status: **Abandoned**
Capacity: 10000
Product: Diesel fuel
Calcage: Not reported

Name: GULF SERVICE STATION
Address: 2123 BROAD RIVER RD
City: COLUMBIA

Tank ID: 6
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: Not reported

Name: GULF SERVICE STATION
Address: 2123 BROAD RIVER RD
City: COLUMBIA

Tank ID: 7
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: Not reported

Name: GULF SERVICE STATION
Address: 2123 BROAD RIVER RD
City: COLUMBIA

Tank ID: 8
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: Not reported

Name: GULF SERVICE STATION
Address: 2123 BROAD RIVER RD
City: COLUMBIA

Tank ID: 9
Status: **Abandoned**
Capacity: 1000
Product: Diesel fuel
Calcage: Not reported

RCR:
Name: GULF SERVICE STATION
Address: 2123 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29201
Entity Responsibility: Not reported
Region: Not reported
Tax Id: 07402-04-13
Latitude: 34.03792
Longitude: -81.09281

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GULF SERVICE STATION (Continued)

U003521988

Tracking Number: 07342
Regulatory Program: Not reported
Reported: 06/30/93
CU-MCL: 07/27/17
Unit Type: Not reported
Unit Number/Letter: Not reported
Area/Acres: Not reported
Affected Media: Not reported
Site/Unit: Not reported
Conditions: Not reported
Associated Response/Corrective Action: Not reported
Associated Chemicals Requiring: Not reported

SC GWIC:

Bureau: BLWM
EAP ID: Not reported
Solid Waste Permit #: Not reported
Bureau of Land & Waste Management File #: Not reported
Permit Number: 07342
WPC Permit: Not reported
Program: DUST
Contamination: PETRO
Petroleum Products: True
Volatile Organic Compounds: False
Metals: False
Nitrates or Potential to Nitrate: False
Pesticides & Herbicides: False
Polychlorinated Biphenyls: False
Base, Neutral, & Acid Extractables: False
Phenols: False
Radionuclides Over Max Contaminant Levels: False
Sources Not In Other Categories: False
Source: UST
Underground Storage Tanks: True
Pits, Ponds, & Lagoons: False
Spills & Leaks: False
Landfills: False
Aboveground Storage Tank: False
Spray Irrigation: False
Single-Event Spill: False
Unpermitted Disposal: False
Septic Tank/Tile Field: False
Substances Not In Other Categories: False
Sources of Contamination Undetermined: False
Assessment: No
Monitoring: No
Remediation: Yes
Surface Impact: No
Drinking Water Well Impact: No
Remarks: Site ID # 07342. RBCA Classification 4AA7. Approved Monitored Natural Attenuation (MNA Awaiti.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

F17 **GULF SERVICE STATION**
SE **2123 BROAD RIVER RD**
< 1/8 **COLUMBIA, SC**
0.021 mi.
110 ft. **Site 2 of 3 in cluster F**

UST **U004253559**
 N/A

Relative: **UST:**
Higher Name: GULF SERVICE STATION
 Address: 2123 BROAD RIVER RD
Actual: City: COLUMBIA
327 ft. Facility ID: 11060
 Permit: P 11060
 Owner: BP OIL INC
 Owner Address: Not reported
 Owner City, st, zip: ALPHARETTA GA 30004-4811
 Owner Phone: 770-576-3082

Tank ID: Not reported
Status: **Not reported**
Capacity: Not reported
Product: Not reported
Calcage: Not reported

F18 **ROBERTSONS GULF SERVICE**
SE **2123 BROAD RIVER RD**
< 1/8 **COLUMBIA, SC 29210**
0.021 mi.
110 ft. **Site 3 of 3 in cluster F**

EDR Hist Auto **1020626878**
 N/A

Relative: EDR Hist Auto
Higher

Actual:	Year:	Name:	Type:
327 ft.	1970	ROBERTSONS GULF SERVICE	Gasoline Service Stations
	1971	ROBERTSONS GULF SERVICE	Gasoline Service Stations
	1972	ROBERTSONS GULF SERVICE	Gasoline Service Stations
	1973	ROBERTSONS GULF SERVICE	Gasoline Service Stations
	1974	ROBERTSONS GULF SERVICE	Gasoline Service Stations
	1975	ROBERTSONS GULF SERVICE	Gasoline Service Stations
	1987	ROBERTSONS GULF SERVICE	Gasoline Service Stations
	1988	ROBERTSONS GULF SERVICE	Gasoline Service Stations
	1989	ROBERTSONS GULF SERVICE	Gasoline Service Stations, NEC

A19 **R A S 45015**
NE **2220 BROAD RIVER RD**
< 1/8 **COLUMBIA, SC**
0.022 mi.
116 ft. **Site 3 of 6 in cluster A**

UST **U004253750**
 N/A

Relative: **UST:**
Lower Name: R A S 45015
 Address: 2220 BROAD RIVER RD
Actual: City: COLUMBIA
317 ft. Facility ID: 11892
 Permit: P 11892
 Owner: EXXON MOBIL
 Owner Address: 4045 SCENIC HWY
 Owner City, st, zip: BATON ROUGE LA 70805
 Owner Phone: 303-986-8011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

R A S 45015 (Continued)

U004253750

Tank ID: Not reported
Status: **Not reported**
Capacity: Not reported
Product: Not reported
Calcage: Not reported

A20
NE
< 1/8
0.022 mi.
116 ft.

GARVIN OIL COMPANY INC
2220 BROAD RIVER RD
COLUMBIA, SC 29210

EDR Hist Auto 1020174567
N/A

Site 4 of 6 in cluster A

Relative: EDR Hist Auto
Lower

Actual:
317 ft.

Year:	Name:	Type:
1969	SHEALY MILLER W ESSO STATION	Gasoline Service Stations
1970	SHEALY MILLER W ESSO STATION	Gasoline Service Stations
1971	SHEALY MILLER W ESSO STATION	Gasoline Service Stations
1972	SHEALY MILLER W ESSO STATION	Gasoline Service Stations
1973	SHEALY MILLER W ESSO STATION	Gasoline Service Stations
1974	SHEALY MILLER W ESSO STATION	Gasoline Service Stations
1975	SHEALY MILLER W ESSO STATION	Gasoline Service Stations
1991	BROAD RIVER EXXON	Gasoline Service Stations
1992	BROAD RIVER EXXON	Gasoline Service Stations
1993	BROAD RIVER EXXON	Gasoline Service Stations
1994	BROAD RIVER EXXON	Gasoline Service Stations
2000	GARVIN OIL COMPANY INC	Gasoline Service Stations
2001	GARVIN OIL COMPANY INC	Gasoline Service Stations
2002	GARVIN OIL COMPANY INC	Gasoline Service Stations
2003	GARVIN OIL COMPANY INC	Gasoline Service Stations
2004	GARVIN OIL COMPANY INC	Gasoline Service Stations
2005	GARVIN OIL COMPANY INC	Gasoline Service Stations
2006	GARVIN OIL COMPANY INC	Gasoline Service Stations
2007	GARVIN OIL COMPANY INC	Gasoline Service Stations
2008	BROAD RIVER EXXON	Gasoline Service Stations
2008	GARVIN OIL COMPANY INC	Gasoline Service Stations
2009	GARVIN OIL COMPANY INC	Gasoline Service Stations
2010	GARVIN OIL COMPANY INC	Gasoline Service Stations
2011	GARVIN OIL COMPANY INC	Gasoline Service Stations, NEC
2012	GARVIN OIL COMPANY INC	Gasoline Service Stations, NEC
2013	GARVIN OIL COMPANY INC	Gasoline Service Stations, NEC
2014	GARVIN OIL COMPANY INC	Gasoline Service Stations, NEC

A21
NE
< 1/8
0.022 mi.
116 ft.

CIRCLE K 3105
2220 BROAD RIVER RD
COLUMBIA, SC

LUST U001539487
UST N/A
RCR
Financial Assurance
GWCI

Relative:
Lower

LUST:

Actual:
317 ft.

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6730
Release Number: 1
Facility ID: 07648
Release Status Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K 3105 (Continued)

U001539487

Substance: PETRO
Tank Owner Company Name: CIRCLE K STORES INC
Tank Owner Last Name: Not reported
Tank Owner First name: Not reported
NFA Date: 10/28/1998
Tank Owner City: Not reported
Confirmed Date: Not reported
Release Date: 11/03/1989
EID: Not reported
Local Facility District: Not reported
SCRBCA Class Number: Not reported
Release Fin Type Code: Not reported
Qualified: Not reported
Release Source: Not reported
Local Fac Last Name: Not reported
Local Fac First Name: Not reported
User Name: MAYJM
Cleanup Initiated Date: 11/03/1989
Prefix: Not reported
Total Score: 538

LUST:

Release Date: 11/03/1989
Cleanup Complete Date: Not reported
Depth to Ground Water: Not reported
Ground Water Flow Direction: Not reported
Release Number: 1
Confirmed date: 11/03/1989
RP Name: EXXON MOBIL
RP Address: 217 COUNTRY CLUB PARK PMB# 101
RP City: BIRMINGHAM
RP State: AL
RP Zip: 35213-4237
SCRBCA Class Code: CLASS4AA
Project Manager: MAY, JULIE M
Release Fin Type Code: WS

UST:

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City: COLUMBIA
Facility ID: 07648
Permit: P 07648
Owner: CIRCLE K STORES INC
Owner Address: 1100 SITUS CT STE 100
Owner City, st, zip: RALEIGH NC 27606
Owner Phone: 800-476-7574

Tank ID: 1
Status: Abandoned
Capacity: 6000
Product: Gasoline
Calcage: 0

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K 3105 (Continued)

U001539487

City: COLUMBIA

Tank ID: 10
Status: **Currently in Use**
Capacity: 20000
Product: Multiple petroleum
Calcage: 0

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City: COLUMBIA

Tank ID: 2
Status: **Abandoned**
Capacity: 6000
Product: Gasoline
Calcage: Not reported

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City: COLUMBIA

Tank ID: 3
Status: **Abandoned**
Capacity: 4000
Product: Gasoline
Calcage: Not reported

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City: COLUMBIA

Tank ID: 4
Status: **Abandoned**
Capacity: 550
Product: Waste oil, burnt oil, used oil
Calcage: Not reported

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City: COLUMBIA

Tank ID: 5
Status: **Abandoned**
Capacity: 12000
Product: Gasoline
Calcage: Not reported

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City: COLUMBIA

Tank ID: 6
Status: **Abandoned**
Capacity: 12000
Product: Gasoline
Calcage: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K 3105 (Continued)

U001539487

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City: COLUMBIA

Tank ID: 7
Status: **Abandoned**
Capacity: 12000
Product: Gasoline
Calcage: Not reported

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City: COLUMBIA

Tank ID: 8
Status: **Abandoned**
Capacity: 1000
Product: Waste oil, burnt oil, used oil
Calcage: Not reported

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City: COLUMBIA

Tank ID: 9
Status: **Abandoned**
Capacity: 1000
Product: Not reported
Calcage: Not reported

RCR:

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6730
Entity Responsibility: Not reported
Region: Not reported
Tax Id: R07402-02-02
Latitude: 34.04058
Longitude: -81.0946
Tracking Number: 07648
Regulatory Program: Not reported
Reported: 11/03/89
CU-MCL: 10/28/98
Unit Type: Not reported
Unit Number/Letter: Not reported
Area/Acres: Not reported
Affected Media: Not reported
Site/Unit: Not reported
Conditions: Not reported
Associated Response/Corrective Action: Not reported
Associated Chemicals Requiring: Not reported

SC Financial Assurance 3:

Name: CIRCLE K 3105
Address: 2220 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6730

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CIRCLE K 3105 (Continued)

U001539487

Owner Name: CIRCLE K STORES INC
 Owner Address: 1100 SITUS CT STE 100
 Owner City St Zip: RALEIGH NC 27606
 Mechanism: Guarantee
 Date Expired: 8/24/2021
 Bill: 1

SC GWIC:

Bureau:	BLWM
EAP ID:	Not reported
Solid Waste Permit #:	Not reported
Bureau of Land & Waste Management File #:	Not reported
Permit Number:	07648
WPC Permit:	Not reported
Program:	DUST
Contamination:	PETRO
Petroleum Products:	True
Volatile Organic Compounds:	False
Metals:	False
Nitrates or Potential to Nitrate:	False
Pesticides & Herbicides:	False
Polychlorinated Biphenyls:	False
Base, Neutral, & Acid Extractables:	False
Phenols:	False
Radionuclides Over Max Contaminant Levels:	False
Sources Not In Other Categories:	False
Source:	UST
Underground Storage Tanks:	True
Pits, Ponds, & Lagoons:	False
Spills & Leaks:	False
Landfills:	False
Aboveground Storage Tank:	False
Spray Irrigation:	False
Single-Event Spill:	False
Unpermitted Disposal:	False
Septic Tank/Tile Field:	False
Substances Not In Other Categories:	False
Sources of Contamination Undetermined:	False
Assessment:	No
Monitoring:	Yes
Remediation:	No
Surface Impact:	No
Drinking Water Well Impact:	No
Remarks:	Site ID # 07648. RBCA Classification 4AA5. Inactive.

A22
 NE
 < 1/8
 0.022 mi.
 116 ft.

EXXON LOCATION 4 5015
2220 BROAD RIVER ROAD
COLUMBIA, SC 29210

RCRA-VSQG 1004780444
FINDS SCD987578234
ECHO

Site 6 of 6 in cluster A

Relative:
Lower
Actual:
317 ft.

RCRA-VSQG:		
Date Form Received by Agency:		19970211
Handler Name:	EXXON LOCATION 4 5015	
Handler Address:		2220 BROAD RIVER ROAD
Handler City,State,Zip:		COLUMBIA, SC 29210
EPA ID:		SCD987578234

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EXXON LOCATION 4 5015 (Continued)

1004780444

Contact Name:	ALDA S POOL
Contact Address:	800 BELL ROOM 2753X
Contact City,State,Zip:	HOUSTON, TX 77002
Contact Telephone:	713-656-7709
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	04
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	SC
State District:	CM
Mailing Address:	BELL ROOM 2753X
Mailing City,State,Zip:	HOUSTON, TX 77002
Owner Name:	EXXON COMPANY USA
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON LOCATION 4 5015 (Continued)

1004780444

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EXXON COMPANY USA
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 2180
Owner/Operator City,State,Zip:	HOUSTON, TX 77252-2180
Owner/Operator Telephone:	999-999-9999
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19970211
Handler Name:	EXXON LOCATION 4 5015
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	SC
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EXXON LOCATION 4 5015 (Continued)

1004780444

Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
List of NAICS Codes and Descriptions:	
NAICS Codes:	No NAICS Codes Found
Facility Has Received Notices of Violations:	
Violations:	No Violations Found
Evaluation Action Summary:	
Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110004941038

Click Here:

Environmental Interest/Information System:

SC-EFIS (South Carolina - Environmental Facility Information System) integrates information on environmental facilities, permits, violations, enforcement actions, and compliance activities needed to support regulatory requirements and target environmental quality improvements for the water, air, solid waste, and hazardous waste program areas. The EFIS was developed by the state of South Carolina and Maine joined their system in 2004.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004780444
Registry ID:	110004941038
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004941038
Name:	EXXON LOCATION 4-5015
Address:	2220 BROAD RIVER ROAD
City,State,Zip:	COLUMBIA, SC 29210

23
 WNW
 < 1/8
 0.063 mi.
 335 ft.

**COLUMBIA FIRE DEPT ST ANDREWS
 1225 BRIARGATE CIR
 COLUMBIA, SC**

**LUST U003930955
 UST N/A
 RCR
 GWCI**

**Relative:
 Higher
 Actual:
 318 ft.**

LUST:

Name:	COLUMBIA FIRE DEPT ST ANDREWS
Address:	1225 BRIARGATE CIR
City,State,Zip:	COLUMBIA, SC 29210-6588
Release Number:	1
Facility ID:	07326
Release Status Number:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLUMBIA FIRE DEPT ST ANDREWS (Continued)

U003930955

Substance: PETRO
Tank Owner Company Name: COLUMBIA FIRE DEPT
Tank Owner Last Name: Not reported
Tank Owner First name: Not reported
NFA Date: 09/28/2006
Tank Owner City: Not reported
Confirmed Date: Not reported
Release Date: 06/28/1993
EID: Not reported
Local Facility District: Not reported
SCRBCA Class Number: Not reported
Release Fin Type Code: Not reported
Qualified: Not reported
Release Source: Not reported
Local Fac Last Name: Not reported
Local Fac First Name: Not reported
User Name: FULMERSB
Cleanup Initiated Date: 01/30/1995
Prefix: Not reported
Total Score: 45

LUST:

Release Date: 06/28/1993
Cleanup Complete Date: Not reported
Depth to Ground Water: 15.71
Ground Water Flow Direction: NE
Release Number: 1
Confirmed date: 01/30/1995
RP Name: COLUMBIA FIRE DEPT CENTRAL
RP Address: 1001 SENATE ST
RP City: COLUMBIA
RP State: SC
RP Zip: 29201
SCRBCA Class Code: CLASS3AA
Project Manager: FULMER, SUSAN B
Release Fin Type Code: DS

UST:

Name: COLUMBIA FIRE DEPT ST ANDREWS
Address: 1225 BRIARGATE CIR
City: COLUMBIA
Facility ID: 07326
Permit: N 07326
Owner: COLUMBIA FIRE DEPT
Owner Address: 1800 LAUREL ST
Owner City, st, zip: COLUMBIA SC 29201-2627
Owner Phone: 803-733-8355

Tank ID: 1
Status: Abandoned
Capacity: 560
Product: Gasoline
Calcage: 20

RCR:

Name: COLUMBIA FIRE DEPT ST ANDREW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLUMBIA FIRE DEPT ST ANDREWS (Continued)

U003930955

Address: 1225 BRIARGATE CIR
City,State,Zip: COLUMBIA, SC 29210-6588
Entity Responsibility: Not reported
Region: Not reported
Tax Id: R07403-05-06
Latitude: 34.04168
Longitude: -81.09815
Tracking Number: 07326
Regulatory Program: Not reported
Reported: 06/28/93
CU-MCL: 09/28/06
Unit Type: Not reported
Unit Number/Letter: Not reported
Area/Acres: Not reported
Affected Media: Not reported
Site/Unit: Not reported
Conditions: Not reported
Associated Response/Corrective Action: Not reported
Associated Chemicals Requiring: Not reported

SC GWIC:

Bureau: BLWM
EAP ID: Not reported
Solid Waste Permit #: Not reported
Bureau of Land & Waste Management File #: Not reported
Permit Number: 07326
WPC Permit: Not reported
Program: DUST
Contamination: PETRO
Petroleum Products: True
Volatile Organic Compounds: False
Metals: False
Nitrates or Potential to Nitrate: False
Pesticides & Herbicides: False
Polychlorinated Biphenyls: False
Base, Neutral, & Acid Extractables: False
Phenols: False
Radionuclides Over Max Contaminant Levels: False
Sources Not In Other Categories: False
Source: UST
Underground Storage Tanks: True
Pits, Ponds, & Lagoons: False
Spills & Leaks: False
Landfills: False
Aboveground Storage Tank: False
Spray Irrigation: False
Single-Event Spill: False
Unpermitted Disposal: False
Septic Tank/Tile Field: False
Substances Not In Other Categories: False
Sources of Contamination Undetermined: False
Assessment: No
Monitoring: No
Remediation: Yes
Surface Impact: No
Drinking Water Well Impact: No
Remarks: Site ID # 07326. RBCA Classification 3AA3. Monitored Natural

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COLUMBIA FIRE DEPT ST ANDREWS (Continued)

U003930955

Attenuation.

G24
NW
< 1/8
0.071 mi.
375 ft.

CONSTAN INC
2505 BROAD RIVER RD
COLUMBIA, SC
Site 1 of 7 in cluster G

LUST U003520462
UST N/A

Relative:
Lower
Actual:
315 ft.

LUST:
Name: CONSTAN INC
Address: 2505 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6646
Release Number: 1
Facility ID: 07925
Release Status Number: Not reported
Substance: PETRO
Tank Owner Company Name: HARMON OIL CO
Tank Owner Last Name: Not reported
Tank Owner First name: Not reported
NFA Date: 04/28/1995
Tank Owner City: Not reported
Confirmed Date: Not reported
Release Date: 06/27/1991
EID: Not reported
Local Facility District: Not reported
SCRBCA Class Number: Not reported
Release Fin Type Code: Not reported
Qualified: Not reported
Release Source: Not reported
Local Fac Last Name: Not reported
Local Fac First Name: Not reported
User Name: STOUDEDW
Cleanup Initiated Date: 04/28/1995
Prefix: Not reported
Total Score: Not reported

UST:
Name: CONSTAN INC
Address: 2505 BROAD RIVER RD
City: COLUMBIA
Facility ID: 07925
Permit: N 07925
Owner: HARMON OIL CO
Owner Address: 111 HAMILTON ST
Owner City, st, zip: LEXINGTON SC 29071-1417
Owner Phone: 803-359-4305

Tank ID: 1
Status: Abandoned
Capacity: 10000
Product: Gasoline
Calcage: 15

Name: CONSTAN INC
Address: 2505 BROAD RIVER RD
City: COLUMBIA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONSTAN INC (Continued)

U003520462

Tank ID: 2
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: 15

Name: CONSTAN INC
Address: 2505 BROAD RIVER RD
City: COLUMBIA

Tank ID: 3
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: 15

**G25
NW
< 1/8
0.091 mi.
480 ft.**

**GULF SERVICE STATION
BROAD RIVER & YOUNG
COLUMBIA, SC**

**UST U003521991
N/A**

Site 2 of 7 in cluster G

**Relative:
Higher
Actual:
319 ft.**

UST:
Name: GULF SERVICE STATION
Address: BROAD RIVER & YOUNG
City: COLUMBIA
Facility ID: 07651
Permit: N 07651
Owner: BP OIL INC
Owner Address: Not reported
Owner City, st, zip: ALPHARETTA GA 30004-4811
Owner Phone: 770-576-3082

Tank ID: 1
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: Not reported

Name: GULF SERVICE STATION
Address: BROAD RIVER & YOUNG
City: COLUMBIA

Tank ID: 2
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: Not reported

Name: GULF SERVICE STATION
Address: BROAD RIVER & YOUNG
City: COLUMBIA

Tank ID: 3
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GULF SERVICE STATION (Continued)

U003521991

Name: GULF SERVICE STATION
 Address: BROAD RIVER & YOUNG
 City: COLUMBIA

Tank ID: 4
Status: Abandoned
 Capacity: 10000
 Product: Diesel fuel
 Calcage: Not reported

**G26
 NW
 < 1/8
 0.092 mi.
 488 ft.**

**BP OIL-SITE #24144
 2624 BROAD RIVER RD & YOUNG
 COLUMBIA, SC 29201**

Site 3 of 7 in cluster G

**RCRA NonGen / NLR
 FINDS
 ECHO**

**1004780518
 SCD987582186**

**Relative:
 Higher
 Actual:
 319 ft.**

RCRA NonGen / NLR: 20010810

Date Form Received by Agency: 20010810

Handler Name: BP OIL-SITE #24144

Handler Address: 2624 BROAD RIVER RD & YOUNG
 COLUMBIA, SC 29201

Handler City,State,Zip: COLUMBIA, SC 29201

EPA ID: SCD987582186

Contact Name: FRANK BARCO

Contact Address: PO BOX 2179
 MT PLEASANT, SC 29465

Contact City,State,Zip: MT PLEASANT, SC 29465

Contact Telephone: 803-849-2190

Contact Fax: Not reported

Contact Email: Not reported

Contact Title: Not reported

EPA Region: 04

Land Type: Private

Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported

Biennial Report Cycle: Not reported

Accessibility: Not reported

Active Site Indicator: Not reported

State District Owner: SC

State District: CM

Mailing Address: PO BOX 2179
 MT PLEASANT, SC 29465

Mailing City,State,Zip: MT PLEASANT, SC 29465

Owner Name: BP OIL-COMPANY OP

Owner Type: Private

Operator Name: Not reported

Operator Type: Not reported

Short-Term Generator Activity: No

Importer Activity: No

Mixed Waste Generator: No

Transporter Activity: No

Transfer Facility Activity: No

Recycler Activity with Storage: No

Small Quantity On-Site Burner Exemption: No

Smelting Melting and Refining Furnace Exemption: No

Underground Injection Control: No

Off-Site Waste Receipt: No

Universal Waste Indicator: No

Universal Waste Destination Facility: No

Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BP OIL-SITE #24144 (Continued)

1004780518

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BP OIL-COMPANY OP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BP OIL-SITE #24144 (Continued)

1004780518

Owner/Operator Address: 200 PUBLIC SQUARE #5L
Owner/Operator City,State,Zip: CLEVELAND, OH 44114
Owner/Operator Telephone: 216-586-5398
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19910725
Handler Name: BP OIL-SITE #24144
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: SC
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010810
Handler Name: BP OIL-SITE #24144
Federal Waste Generator Description: Not a generator, verified
State District Owner: SC
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110007836333

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BP OIL-SITE #24144 (Continued)

1004780518

corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004780518
 Registry ID: 110007836333
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110007836333>
 Name: BP OIL-SITE #24144
 Address: 2624 BROAD RIVER RD & YOUNG
 City,State,Zip: COLUMBIA, SC 29201

**27
 NE
 < 1/8
 0.107 mi.
 567 ft.**

**METTS OIL CO
 2340 BROAD RIVER ROAD
 COLUMBIA, SC 29210**

**EDR Hist Auto 1020627580
 N/A**

**Relative:
 Higher**

EDR Hist Auto

**Actual:
 321 ft.**

Year:	Name:	Type:
1977	METTS OIL CO	Gasoline Service Stations
1978	METTS OIL CO	Gasoline Service Stations
1979	METTS OIL CO	Gasoline Service Stations

**G28
 NW
 < 1/8
 0.112 mi.
 592 ft.**

**EL CHEAPO 08
 2624 BROAD RIVER RD
 COLUMBIA, SC
 Site 4 of 7 in cluster G**

**UST U004255301
 Financial Assurance N/A**

**Relative:
 Higher**

UST:

Name: EL CHEAPO 08
 Address: 2624 BROAD RIVER RD
 City: COLUMBIA
 Facility ID: 19587
 Permit: P 19587
 Owner: C K ACQUISITION LLC
 Owner Address: 4701 N MAIN ST
 Owner City, st, zip: COLUMBIA SC 29223
 Owner Phone: 803-309-6968

Tank ID: 1
Status: Currently in Use
 Capacity: 22000
 Product: Multiple petroleum
 Calcage: 0

Name: EL CHEAPO 08
 Address: 2624 BROAD RIVER RD
 City: COLUMBIA

Tank ID: 2
Status: Currently in Use
 Capacity: 20000
 Product: Gasoline RUL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EL CHEAPO 08 (Continued)

U004255301

Calclage: 0

SC Financial Assurance 3:

Name: EL CHEAPO 08
Address: 2624 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6649
Owner Name: C K ACQUISITION LLC
Owner Address: 4701 N MAIN ST
Owner City St Zip: COLUMBIA SC 29223
Mechanism: Self Insurance 280.101
Date Expired: 5/1/2021
Bill: 2

**G29
NW
< 1/8
0.112 mi.
592 ft.**

**CIRCLE K STORES INC
2624 BROAD RIVER RD
COLUMBIA, SC 29210
Site 5 of 7 in cluster G**

**EDR Hist Auto 1020432803
N/A**

**Relative:
Higher**

EDR Hist Auto

**Actual:
319 ft.**

Year:	Name:	Type:
1995	BP EXPLORATION & OIL INC	Gasoline Service Stations
1996	BP EXPLORATION & OIL INC	Gasoline Service Stations
1997	BP EXPLORATION & OIL INC	Gasoline Service Stations
1998	BP EXPLORATION & OIL INC	Gasoline Service Stations
1999	BP EXPLORATION & OIL INC	Gasoline Service Stations
2000	TOSCO CORPORATION	Gasoline Service Stations
2001	TOSCO CORPORATION	Gasoline Service Stations
2002	TOSCO CORPORATION	Gasoline Service Stations
2003	TOSCO CORPORATION	Gasoline Service Stations
2004	CIRCLE K STORES INC	Gasoline Service Stations
2005	CIRCLE K STORES INC	Convenience Stores
2006	CIRCLE K STORES INC	Convenience Stores
2007	CIRCLE K STORES INC	Convenience Stores
2008	CIRCLE K STORES INC	Convenience Stores
2009	CIRCLE K STORES INC	Convenience Stores
2010	CIRCLE K STORES INC	Convenience Stores
2011	CIRCLE K STORES INC	Convenience Stores
2012	CIRCLE K STORES INC	Convenience Stores
2013	CIRCLE K STORES INC	Convenience Stores
2014	CIRCLE K STORES INC	Convenience Stores

**G30
NW
< 1/8
0.112 mi.
592 ft.**

**CIRCLE K 2705138
2624 BROAD RIVER RD
COLUMBIA, SC
Site 6 of 7 in cluster G**

**LUST U004253539
UST N/A
Financial Assurance**

**Relative:
Higher**

LUST:

**Actual:
319 ft.**

Name: CIRCLE K 2705138
Address: 2624 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6649
Release Number: 1
Facility ID: 11013
Release Status Number: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K 2705138 (Continued)

U004253539

Substance: PETRO
Tank Owner Company Name: CIRCLE K STORES INC
Tank Owner Last Name: CIRCLE K STORES INC
Tank Owner First name: Not reported
NFA Date: 07/17/2012
Tank Owner City: CHARLOTTE
Confirmed Date: 04/15/1999
Release Date: 03/17/1999
EID: 1762593
Local Facility District: Columbia EQC Office
SCRBCA Class Number: 4AA
Release Fin Type Code: WS
Qualified: Y
Release Source: UST
Local Fac Last Name: CIRCLE K 2705138
Local Fac First Name: Not reported
User Name: FULMERSB
Cleanup Initiated Date: 04/15/1999
Prefix: P
Total Score: 150

LUST:

Release Date: 03/17/1999
Cleanup Complete Date: Not reported
Depth to Ground Water: 29.44
Ground Water Flow Direction: NE
Release Number: 1
Confirmed date: 04/15/1999
RP Name: TOSCO MARKETING COMPANY
RP Address: 5650 BRECKENRIDGE PKWY STE 300
RP City: TAMPA
RP State: FL
RP Zip: 33610
SCRBCA Class Code: CLASS4AA
Project Manager: FULMER, SUSAN B
Release Fin Type Code: WS

UST:

Name: CIRCLE K 2705138
Address: 2624 BROAD RIVER RD
City: COLUMBIA
Facility ID: 11013
Permit: P 11013
Owner: CIRCLE K STORES INC
Owner Address: 1100 SITUS CT STE 100
Owner City, st, zip: RALEIGH NC 27606
Owner Phone: 800-476-7574

Tank ID: 1
Status: Abandoned
Capacity: 10000
Product: Gasoline
Calcage: 0

Name: CIRCLE K 2705138
Address: 2624 BROAD RIVER RD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K 2705138 (Continued)

U004253539

City: COLUMBIA

Tank ID: 2
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: 0

Name: CIRCLE K 2705138
Address: 2624 BROAD RIVER RD
City: COLUMBIA

Tank ID: 3
Status: **Abandoned**
Capacity: 10000
Product: Gasoline
Calcage: 0

Name: CIRCLE K 2705138
Address: 2624 BROAD RIVER RD
City: COLUMBIA

Tank ID: 4
Status: **Abandoned**
Capacity: 1000
Product: Waste oil, burnt oil, used oil
Calcage: 60

SC Financial Assurance 3:

Name: CIRCLE K 2705138
Address: 2624 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6649
Owner Name: CIRCLE K STORES INC
Owner Address: 1100 SITUS CT STE 100
Owner City St Zip: RALEIGH NC 27606
Mechanism: Guarantee
Date Expired: 9/1/2009
Bill: 0

G31
NW
< 1/8
0.112 mi.
592 ft.

CIRCLE K 2705138
2624 BROAD RIVER RD
COLUMBIA, SC 29210

RCR **U003666055**
GWCI **N/A**

Site 7 of 7 in cluster G

Relative:
Higher
Actual:
319 ft.

RCR:
Name: CIRCLE K 2705138
Address: 2624 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210-6649
Entity Responsibility: Not reported
Region: Not reported
Tax Id: R06015-03-04
Latitude: 34.04378
Longitude: -81.0991
Tracking Number: 11013
Regulatory Program: Not reported
Reported: 03/17/99

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CIRCLE K 2705138 (Continued)

U003666055

CU-MCL: 07/17/12
Unit Type: Not reported
Unit Number/Letter: Not reported
Area/Acres: Not reported
Affected Media: Not reported
Site/Unit: Not reported
Conditions: Not reported
Associated Response/Corrective Action: Not reported
Associated Chemicals Requiring: Not reported

SC GWIC:

Bureau: BLWM
EAP ID: Not reported
Solid Waste Permit #: Not reported
Bureau of Land & Waste Management File #: Not reported
Permit Number: 11013
WPC Permit: Not reported
Program: DUST
Contamination: PETRO
Petroleum Products: True
Volatile Organic Compounds: False
Metals: False
Nitrates or Potential to Nitrate: False
Pesticides & Herbicides: False
Polychlorinated Biphenyls: False
Base, Neutral, & Acid Extractables: False
Phenols: False
Radionuclides Over Max Contaminant Levels: False
Sources Not In Other Categories: False
Source: UST
Underground Storage Tanks: True
Pits, Ponds, & Lagoons: False
Spills & Leaks: False
Landfills: False
Aboveground Storage Tank: False
Spray Irrigation: False
Single-Event Spill: False
Unpermitted Disposal: False
Septic Tank/Tile Field: False
Substances Not In Other Categories: False
Sources of Contamination Undetermined: False
Assessment: Yes
Monitoring: No
Remediation: No
Surface Impact: No
Drinking Water Well Impact: No
Remarks: Site ID # 11013. RBCA Classification 2BB1. Conducting investigation/Risk Assessment.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

H32
SSE
1/8-1/4
0.142 mi.
751 ft.

SHERWIN WILLIAMS CO
1221 BAKERSFIELD RD
COLUMBIA, SC 29221

RCRA NonGen / NLR
FINDS
ECHO

1000370858
SCD000826651

Site 1 of 2 in cluster H

Relative:
Higher

RCRA NonGen / NLR:

Actual:
319 ft.

Date Form Received by Agency:	19981102
Handler Name:	SHERWIN WILLIAMS CO
Handler Address:	1221 BAKERSFIELD RD
Handler City,State,Zip:	COLUMBIA, SC 29221
EPA ID:	SCD000826651
Contact Name:	A ARTERS
Contact Address:	PO DRAWER 21628
Contact City,State,Zip:	COLUMBIA, SC 29221
Contact Telephone:	216-566-3096
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	04
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	SC
State District:	CM
Mailing Address:	PO DRAWER 21628
Mailing City,State,Zip:	COLUMBIA, SC 29221
Owner Name:	OWNERNAME
Owner Type:	Private
Operator Name:	OPERNAME
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SHERWIN WILLIAMS CO (Continued)

1000370858

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHERWIN WILLIAMS CO (Continued)

1000370858

Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F005
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F017
Waste Description:	Not Defined
Waste Code:	F018
Waste Description:	Not Defined
Waste Code:	P090
Waste Description:	Not Defined
Waste Code:	U002
Waste Description:	2-PROPANONE (I) (OR) ACETONE (I)
Waste Code:	U031
Waste Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Waste Code:	U112
Waste Description:	ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
Waste Code:	U150
Waste Description:	L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN
Waste Code:	U154
Waste Description:	METHANOL (I) (OR) METHYL ALCOHOL (I)
Waste Code:	U159
Waste Description:	2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
Waste Code:	U161
Waste Description:	4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-
Waste Code:	U220
Waste Description:	BENZENE, METHYL- (OR) TOLUENE
Waste Code:	U239
Waste Description:	BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHERWIN WILLIAMS CO (Continued)

1000370858

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	OWNERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, WY 99999
Owner/Operator Telephone:	404-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	OPERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, WY 99999
Owner/Operator Telephone:	404-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19981102
Handler Name:	SHERWIN WILLIAMS CO
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	SC
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found
--------------	----------------------

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Evaluation Action Summary:

Evaluations:	No Evaluations Found
--------------	----------------------

FINDS:

Registry ID:	110002191066
--------------	--------------

Click Here:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SHERWIN WILLIAMS CO (Continued)

1000370858

Environmental Interest/Information System:

SC-EFIS (South Carolina - Environmental Facility Information System) integrates information on environmental facilities, permits, violations, enforcement actions, and compliance activities needed to support regulatory requirements and target environmental quality improvements for the water, air, solid waste, and hazardous waste program areas. The EFIS was developed by the state of South Carolina and Maine joined their system in 2004.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000370858
 Registry ID: 110002191066
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002191066>
 Name: SHERWIN WILLIAMS COMPANY
 Address: 1221 BAKERSFIELD RD
 City,State,Zip: COLUMBIA, SC 29210

**33
 NW
 1/8-1/4
 0.165 mi.
 872 ft.**

**CRAFT MASTER
 2639 BROAD RIVER RD
 COLUMBIA, SC 29210**

**RCRA-VSQQ 1004780789
 FINDS SCD987598125
 ECHO**

**Relative:
 Higher
 Actual:
 321 ft.**

RCRA-VSQQ:
 Date Form Received by Agency: 19930802
 Handler Name: CRAFT MASTER
 Handler Address: 2639 BROAD RIVER RD
 Handler City,State,Zip: COLUMBIA, SC 29210
 EPA ID: SCD987598125
 Contact Name: RUSTY DANIELS
 Contact Address: 2639 BROAD RIVER RD
 Contact City,State,Zip: COLUMBIA, SC 29210
 Contact Telephone: 803-798-4261
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 04
 Land Type: Private
 Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: SC
 State District: CM
 Mailing Address: BROAD RIVER RD
 Mailing City,State,Zip: COLUMBIA, SC 29210
 Owner Name: G A STROBELL
 Owner Type: Private

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CRAFT MASTER (Continued)

1004780789

Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20140729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRAFT MASTER (Continued)

1004780789

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	G A STROBELL
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2639 BROAD RIVER RD
Owner/Operator City,State,Zip:	COLUMBIA, SC 29210
Owner/Operator Telephone:	803-798-4261
Owner/Operator Telephone Ext:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRAFT MASTER (Continued)

1004780789

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19930802
Handler Name: CRAFT MASTER
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: SC
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110004942251

Click Here:

Environmental Interest/Information System:

SC-EFIS (South Carolina - Environmental Facility Information System) integrates information on environmental facilities, permits, violations, enforcement actions, and compliance activities needed to support regulatory requirements and target environmental quality improvements for the water, air, solid waste, and hazardous waste program areas. The EFIS was developed by the state of South Carolina and Maine joined their system in 2004. RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004780789
Registry ID: 110004942251
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110004942251>
Name: CRAFT MASTER
Address: 2639 BROAD RIVER RD

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CRAFT MASTER (Continued)

1004780789

City,State,Zip: COLUMBIA, SC 29210

H34
SSE
1/8-1/4
0.166 mi.
879 ft.

SHARPES FORMAL WEAR OPERA CTR
RT 1 BOX 499G
COLUMBIA, SC 29203

RCRA-VSQG 1000368510
SCD982094575

Site 2 of 2 in cluster H

Relative:
Lower
Actual:
306 ft.

RCRA-VSQG:
 Date Form Received by Agency: 19870706
 Handler Name: SHARPES FORMAL WEAR OPERA CTR
 Handler Address: RT 1 BOX 499G
 Handler City,State,Zip: COLUMBIA, SC 29203
 EPA ID: SCD982094575
 Contact Name: LENNON WIDER
 Contact Address: PO BOX 1082
 Contact City,State,Zip: COLUMBIA, SC 29202
 Contact Telephone: 803-786-8550
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 04
 Land Type: Private
 Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: SC
 State District: CM
 Mailing Address: PO BOX 1082
 Mailing City,State,Zip: COLUMBIA, SC 29202
 Owner Name: SHARPES JAMES
 Owner Type: Municipal
 Operator Name: OPERNAME
 Operator Type: Municipal
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: No
 Universal Waste Destination Facility: No
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site Converter Treatment storage and Disposal Facility: Not reported
 Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site State-Reg Handler: ---
 Federal Facility Indicator: Not reported
 Hazardous Secondary Material Indicator: NN
 Sub-Part K Indicator: Not reported
 Commercial TSD Indicator: No
 Treatment Storage and Disposal Type: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SHARPES FORMAL WEAR OPERA CTR (Continued)

1000368510

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	OPERNAME
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, WY 99999
Owner/Operator Telephone:	404-555-1212

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHARPES FORMAL WEAR OPERA CTR (Continued)

1000368510

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SHARPES JAMES
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: OWNERSTREET
Owner/Operator City,State,Zip: OWNERCITY, WY 99999
Owner/Operator Telephone: 404-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19870706
Handler Name: SHARPES FORMAL WEAR OPERA CTR
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: SC
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

I35
SE
1/8-1/4
0.205 mi.
1085 ft.

PEP BOY 134
1804 BROAD RIVER RD
COLUMBIA, SC
Site 1 of 2 in cluster I

LUST **U004018251**
UST **N/A**
Financial Assurance

Relative:
Higher
Actual:
322 ft.

LUST:
Name: PEP BOY 134
Address: 1804 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210
Release Number: 1
Facility ID: 18230
Release Status Number: Not reported
Substance: PETRO
Tank Owner Company Name: PEP BOYS
Tank Owner Last Name: PEP BOYS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEP BOY 134 (Continued)

U004018251

Tank Owner First name: Not reported
NFA Date: 01/22/1999
Tank Owner City: PHILADELPHIA
Confirmed Date: 01/19/1999
Release Date: 12/16/1998
EID: 1796782
Local Facility District: Columbia EQC Office
SCRBCA Class Number: Not reported
Release Fin Type Code: UNK
Qualified: Not reported
Release Source: UST
Local Fac Last Name: PEP BOY 134
Local Fac First Name: Not reported
User Name: FANTRM
Cleanup Initiated Date: 01/19/1999
Prefix: N
Total Score: Not reported

UST:

Name: PEP BOY 134
Address: 1804 BROAD RIVER RD
City: COLUMBIA
Facility ID: 18230
Permit: N 18230
Owner: PEP BOYS
Owner Address: 3111 W ALLEGHENY AVE
Owner City, st, zip: PHILADELPHIA PA 19132
Owner Phone: 215-430-9277

Tank ID: 1
Status: Abandoned
Capacity: 550
Product: Waste oil, burnt oil, used oil
Calclage: Not reported

SC Financial Assurance 3:

Name: PEP BOY 134
Address: 1804 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210
Owner Name: PEP BOYS
Owner Address: 3111 W ALLEGHENY AVE
Owner City St Zip:PHILADELPHIA PA 19132
Mechanism: Pending
Date Expired: Not reported
Bill: 0

I36
SE
1/8-1/4
0.205 mi.
1085 ft.

PEP BOYS 134
1804 BROAD RIVER ROAD
COLUMBIA, SC 29210

RCRA-VSQQ 1004780488
FINDS SCD987580891
ECHO

Site 2 of 2 in cluster I

Relative:
Higher
Actual:
322 ft.

RCRA-VSQQ:
Date Form Received by Agency: 19980720
Handler Name: PEP BOYS 134
Handler Address: 1804 BROAD RIVER ROAD
Handler City,State,Zip: COLUMBIA, SC 29210

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PEP BOYS 134 (Continued)

1004780488

EPA ID:	SCD987580891
Contact Name:	JOHN KERELO
Contact Address:	3111 W ALLGHNEY AVENUE
Contact City,State,Zip:	PHILADELPHIA, PA 19132
Contact Telephone:	215-430-9277
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	04
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	SC
State District:	CM
Mailing Address:	W ALLGHNEY AVENUE
Mailing City,State,Zip:	PHILADELPHIA, PA 19132
Owner Name:	THE PEP BOYS
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEP BOYS 134 (Continued)

1004780488

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20140729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE PEP BOYS
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3111 W ALLEGHNEY AVENU
Owner/Operator City,State,Zip:	PHILADELPHIA, PA 19132
Owner/Operator Telephone:	215-227-9277
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19980720
Handler Name:	PEP BOYS 134
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	SC
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PEP BOYS 134 (Continued)

1004780488

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
 Violations: No Violations Found

Evaluation Action Summary:
 Evaluations: No Evaluations Found

FINDS:

Registry ID: 110004941190

Click Here:

Environmental Interest/Information System:

SC-EFIS (South Carolina - Environmental Facility Information System) integrates information on environmental facilities, permits, violations, enforcement actions, and compliance activities needed to support regulatory requirements and target environmental quality improvements for the water, air, solid waste, and hazardous waste program areas. The EFIS was developed by the state of South Carolina and Maine joined their system in 2004.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004780488
 Registry ID: 110004941190
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110004941190>
 Name: PEP BOYS 134
 Address: 1804 BROAD RIVER ROAD
 City,State,Zip: COLUMBIA, SC 29210

37
 South
 1/8-1/4
 0.234 mi.
 1235 ft.

FRASIER TIRE SERVICE
828 DUTCH SQUARE BLVD
COLUMBIA, SC

LUST U004017560
UST N/A

Relative:
Lower
Actual:
310 ft.

LUST:
 Name: FRASIER TIRE SERVICE
 Address: 828 DUTCH SQUARE BLVD
 City,State,Zip: COLUMBIA, SC 29210-7316
 Release Number: 1
 Facility ID: 14101
 Release Status Number: Not reported
 Substance: PETRO
 Tank Owner Company Name: GOODYEAR TIRE & RUBBER
 Tank Owner Last Name: GOODYEAR TIRE & RUBBER CO
 Tank Owner First name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRASIER TIRE SERVICE (Continued)

U004017560

NFA Date: 04/06/1995
Tank Owner City: AKRON
Confirmed Date: 12/06/1994
Release Date: 09/16/1994
EID: 1777024
Local Facility District: Columbia EQC Office
SCRBCA Class Number: Not reported
Release Fin Type Code: Not reported
Qualified: Not reported
Release Source: UST
Local Fac Last Name: FRASIER TIRE SERVICE
Local Fac First Name: Not reported
User Name: STOUEDW
Cleanup Initiated Date: 12/06/1994
Prefix: N
Total Score: Not reported

UST:

Name: FRASIER TIRE SERVICE
Address: 828 DUTCH SQUARE BLVD
City: COLUMBIA
Facility ID: 14101
Permit: N 14101
Owner: GOODYEAR TIRE & RUBBER CO
Owner Address: 1144 E MARKET ST
Owner City, st, zip: AKRON OH 44316
Owner Phone: 216-796-2121

Tank ID: 1
Status: Abandoned
Capacity: 300
Product: Waste oil, burnt oil, used oil
Calcage: 20

J38
SE
1/4-1/2
0.291 mi.
1537 ft.

PALMETTO FINE CLEANERS/FMR BURNETTES CLN
1718 BROAD RIVER RD
COLUMBIA, SC 29210

SHWS S105621371
DRYCLEANERS N/A

Site 1 of 2 in cluster J

Relative:
Higher
Actual:
320 ft.

SHWS:
Name: PALMETTO FINE CLEANERS/FMR BURNETTES CLN
Address: 1718 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210
EPA ID: SCDRY0053089

Drycleaners:

BLWM Number: 53089
Rank: III
Priority Group Explanation: III

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J39
SE
1/4-1/2
0.308 mi.
1624 ft.

SPEEDWAY 2842
1714 BROAD RIVER RD
COLUMBIA, SC
Site 2 of 2 in cluster J

LUST U003619431
UST N/A
GWCI
NPDES
UIC

Relative:
Higher
Actual:
320 ft.

LUST:
Name: SPEEDWAY 2842
Address: 1714 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210
Release Number: 1
Facility ID: 07633
Release Status Number: Not reported
Substance: PETRO
Tank Owner Company Name: SPEEDWAY LLC
Tank Owner Last Name: Not reported
Tank Owner First name: Not reported
NFA Date: Not reported
Tank Owner City: Not reported
Confirmed Date: Not reported
Release Date: 12/28/1989
EID: Not reported
Local Facility District: Not reported
SCRBCA Class Number: Not reported
Release Fin Type Code: Not reported
Qualified: Not reported
Release Source: Not reported
Local Fac Last Name: Not reported
Local Fac First Name: Not reported
User Name: BALDWIBA
Cleanup Initiated Date: 12/29/1989
Prefix: Not reported
Total Score: 810

LUST:
Release Date: 12/28/1989
Cleanup Complete Date: Not reported
Depth to Ground Water: 18.57
Ground Water Flow Direction: E
Release Number: 1
Confirmed date: 12/29/1989
RP Name: HESS CORPORATION
RP Address: 1 HESS PLAZA
RP City: WOODBRIDGE
RP State: NJ
RP Zip: 07095-1299
SCRBCA Class Code: CLASS2BB
Project Manager: FULMER, SUSAN B
Release Fin Type Code: DS

UST:
Name: SPEEDWAY 2842
Address: 1714 BROAD RIVER RD
City: COLUMBIA
Facility ID: 07633
Permit: R 07633
Owner: SPEEDWAY LLC
Owner Address: 500 SPEEDWAY DR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY 2842 (Continued)

U003619431

Owner City, st, zip: ENON OH 45323-1056
Owner Phone: 336-767-6280

Tank ID: 1
Status: **Abandoned**
Capacity: 6000
Product: Gasoline
Calcage: Not reported

Name: SPEEDWAY 2842
Address: 1714 BROAD RIVER RD
City: COLUMBIA

Tank ID: 2
Status: **Abandoned**
Capacity: 6000
Product: Gasoline
Calcage: Not reported

Name: SPEEDWAY 2842
Address: 1714 BROAD RIVER RD
City: COLUMBIA

Tank ID: 3
Status: **Abandoned**
Capacity: 6000
Product: Gasoline
Calcage: Not reported

Name: SPEEDWAY 2842
Address: 1714 BROAD RIVER RD
City: COLUMBIA

Tank ID: 4
Status: **Abandoned**
Capacity: 6000
Product: Gasoline
Calcage: Not reported

Name: SPEEDWAY 2842
Address: 1714 BROAD RIVER RD
City: COLUMBIA

Tank ID: 5
Status: **Currently in Use**
Capacity: 10000
Product: Gasoline RUL
Calcage: 5

Name: SPEEDWAY 2842
Address: 1714 BROAD RIVER RD
City: COLUMBIA

Tank ID: 6
Status: **Currently in Use**
Capacity: 10000
Product: Gasoline RUL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY 2842 (Continued)

U003619431

Calcage: 5

Name: SPEEDWAY 2842
Address: 1714 BROAD RIVER RD
City: COLUMBIA

Tank ID: 7
Status: Currently in Use
Capacity: 10000
Product: Gasoline Super/Prem
Calcage: 0

SC GWIC:

Bureau: BLWM
EAP ID: Not reported
Solid Waste Permit #: Not reported
Bureau of Land & Waste Management File #: Not reported
Permit Number: 07633
WPC Permit: Not reported
Program: DUST
Contamination: PETRO
Petroleum Products: True
Volatile Organic Compounds: False
Metals: False
Nitrates or Potential to Nitrate: False
Pesticides & Herbicides: False
Polychlorinated Biphenyls: False
Base, Neutral, & Acid Extractables: False
Phenols: False
Radionuclides Over Max Contaminant Levels: False
Sources Not In Other Categories: False
Source: UST
Underground Storage Tanks: True
Pits, Ponds, & Lagoons: False
Spills & Leaks: False
Landfills: False
Aboveground Storage Tank: False
Spray Irrigation: False
Single-Event Spill: False
Unpermitted Disposal: False
Septic Tank/Tile Field: False
Substances Not In Other Categories: False
Sources of Contamination Undetermined: False
Assessment: No
Monitoring: No
Remediation: Yes
Surface Impact: No
Drinking Water Well Impact: No
Remarks: Site ID # 07633. RBCA Classification 2BB4. Active corrective action.

NPDES:

Name: AMERADA HESS #40231
Address: 1714 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210
Permit: SC0045187
Permit Status Date: 1999-11-10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY 2842 (Continued)

U003619431

Act/Inactive: INACT
App Type: NPDES REISSUE
App Status Date: 07/20/1995
Permit Contact: GOLDMAN HOWARD S
Permit Issued Date: 07/20/1995
Permit Expire Date: 08/31/2000
Permit Type: WTRNPDESWWTP
Permit Sub Type: INDUSTRIAL
Permit Status: CAN
Receiving Stream: STORM DRAIN TO BROAD RIVER
Address Type: SITE
Owner Address Type: BUSINESS
Owner Telephone: 937-864-3001
Owner Title: Not reported
SIC Code: Not reported
River Basin: Not reported
Receive Date: Not reported
Term Date: Not reported
Creation Date: Not reported
Status: Not reported
Major: Not reported
Permittee Name: Not reported
Permittee Address: Not reported
Permittee City,State,Zip: Not reported
Permittee Phone: Not reported

UIC:

Name: SPEEDWAY 2842
Address: 1714 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210
Permit Number: SCHE03020108
Permit Holder: BUNNELL-LAMMONS ENGINEERING INC
Former Permit Number: 925
Activity: Active/Operating
Disposition: Approved
District: Columbia EQC Office
Sub Type: Area Permit

40
SSE
1/4-1/2
0.324 mi.
1709 ft.

FMR ED ROBINSON LAUNDRY & DRY CLEANING
DUTCH SQUARE MALL - NEXT TO A & P STORE
COLUMBIA, SC 29210

SHWS S107454503
N/A

Relative:
Lower
Actual:
314 ft.

SHWS:
Name: FMR ED ROBINSON LAUNDRY & DRY CLEANING
Address: DUTCH SQUARE MALL - NEXT TO A & P STORE
City,State,Zip: COLUMBIA, SC 29210
EPA ID: SCDRY0056170

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

41
SE
1/4-1/2
0.341 mi.
1802 ft.

SUBURBAN LODGE (FORMER BANK LOCATION)
1633 BROAD RIVER RD
COLUMBIA, SC 29210

SHWS S108953994
N/A

Relative:
Higher
Actual:
327 ft.

SHWS:
 Name: SUBURBAN LODGE (FORMER BANK LOCATION)
 Address: 1633 BROAD RIVER RD
 City,State,Zip: COLUMBIA, SC 29210
 EPA ID: SCS123457099

42
SSW
1/4-1/2
0.369 mi.
1950 ft.

PENSKE AUTO CENTER KMART
99 N ARROWOOD RD
COLUMBIA, SC

LUST U004019444
UST N/A
Financial Assurance

Relative:
Lower
Actual:
254 ft.

LUST:
 Name: PENSKE AUTO CENTER KMART
 Address: 99 N ARROWOOD RD
 City,State,Zip: COLUMBIA, SC 29210
 Release Number: 1
 Facility ID: 07780
 Release Status Number: Not reported
 Substance: PETRO
 Tank Owner Company Name: KMART 3168
 Tank Owner Last Name: Not reported
 Tank Owner First name: Not reported
 NFA Date: 05/10/1999
 Tank Owner City: Not reported
 Confirmed Date: Not reported
 Release Date: 12/30/1998
 EID: Not reported
 Local Facility District: Not reported
 SCRBCA Class Number: Not reported
 Release Fin Type Code: Not reported
 Qualified: Not reported
 Release Source: Not reported
 Local Fac Last Name: Not reported
 Local Fac First Name: Not reported
 User Name: PASLEYDC
 Cleanup Initiated Date: 01/05/1999
 Prefix: Not reported
 Total Score: Not reported

UST:
 Name: PENSKE AUTO CENTER KMART
 Address: 99 N ARROWOOD RD
 City: COLUMBIA
 Facility ID: 07780
 Permit: N 07780
 Owner: KMART 3168
 Owner Address: 99 N ARROWOOD RD
 Owner City, st, zip: COLUMBIA SC 29210
 Owner Phone: 313-643-1790

 Tank ID: 1
Status: Abandoned

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE AUTO CENTER KMART (Continued)

U004019444

Capacity: 1000
Product: Waste oil, burnt oil, used oil
Calcage: 15

SC Financial Assurance 3:

Name: PENSKE AUTO CENTER KMART
Address: 99 N ARROWOOD RD
City,State,Zip: COLUMBIA, SC 29210
Owner Name: KMART 3168
Owner Address: 99 N ARROWOOD RD
Owner City St Zip: COLUMBIA SC 29210
Mechanism: None
Date Expired: Not reported
Bill: 0

43
South
1/4-1/2
0.401 mi.
2116 ft.

**FORMER USA SERVICE STATION
DUTCH SQUARE MALL
COLUMBIA, SC 29210**

**RCR 1007226839
FINDS N/A**

**Relative:
Lower
Actual:
289 ft.**

RCR:
Name: FORMER USA SERVICE STATION
Address: DUTCH SQUARE MALL
City,State,Zip: COLUMBIA, SC 29210
Entity Responsibility: Mar A Lowe Corp
Region: 3
Tax Id: 07405-09-01
Latitude: 34.03498
Longitude: -81.09052
Tracking Number: 16612
Regulatory Program: UST
Reported: 05/31/94
CU-MCL: 09/15/98
Unit Type: UST
Unit Number/Letter: 1
Area/Acres: Not reported
Affected Media: Groundwater
Site/Unit: Regulated Petroleum Underground Storage Tank Location
Conditions: Public Noticed Corrective Action Plan
Associated Response/Corrective Action: Not reported
Associated Chemicals Requiring: Benzene MTBE

FINDS:
Registry ID: 110016979796

Click Here:

Environmental Interest/Information System:

SC-EFIS (South Carolina - Environmental Facility Information System) integrates information on environmental facilities, permits, violations, enforcement actions, and compliance activities needed to support regulatory requirements and target environmental quality improvements for the water, air, solid waste, and hazardous waste program areas. The EFIS was developed by the state of South Carolina and Maine joined their system in 2004.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FORMER USA SERVICE STATION (Continued)

1007226839

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

K44 South 1/2-1 0.525 mi. 2770 ft. Relative: Lower Actual: 287 ft.	BRITE CLEANERS 422 BUSH RIVER RD/1441-A COLONIAL LIFE COLUMBIA, SC 29210 Site 1 of 2 in cluster K SHWS: Name: BRITE CLEANERS Address: 422 BUSH RIVER RD/1441-A COLONIAL LIFE City,State,Zip: COLUMBIA, SC 29210 EPA ID: SCDRY0057314	SHWS S107599677 N/A
---	--	---

K45 South 1/2-1 0.525 mi. 2770 ft. Relative: Lower Actual: 287 ft.	BRITE CLEANERS 422 BUSH RIVER RD UNIT 1 COLUMBIA, SC 29210 Site 2 of 2 in cluster K SHWS: Name: BRITE CLEANERS Address: 422 BUSH RIVER RD UNIT 1 City,State,Zip: COLUMBIA, SC 29210 EPA ID: SCS123457021	SHWS S107520947 VCP N/A BROWNFIELDS
---	--	--

VCP:

Name:	BRITE CLEANERS
Address:	422 BUSH RIVER RD UNIT 1
City,State,Zip:	COLUMBIA, SC 29210
Person Company:	GRAHAM & CONNER LLC
Prim Address 1:	Not reported
Prim Address 2:	Not reported
Prim City:	Not reported
Prim State:	Not reported
Prim Zip:	Not reported
Type Brownfield:	Not reported
Contact:	Not reported
Status code:	ACTIVE
File Number:	57278
Exec Date:	13-Feb-06
Contract Mailed Date:	Not reported
Date Terminated:	11-May-06
Contract #:	05-5628-NRP
Contract Type:	NRP
Contract Manager:	GORMAN ANGELA K
Acreage:	0.94
COC Issued Date:	Not reported
RC Executed Date:	Not reported
I C Received:	26-Oct-05
Workplan Due:	Not reported
Workplan Receive:	Not reported
Workplan Reviewed:	Not reported
Workplan Approved:	Not reported
Report Receive:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BRITE CLEANERS (Continued)

S107520947

Report Reviewed: Not reported
 Report Approved: Not reported
 Cap Approved: Not reported

SC BROWNFIELD:

Name: BRITE CLEANERS
 Address: 422 BUSH RIVER RD UNIT 1
 City,State,Zip: COLUMBIA, SC 29210
 Contract Number: 05-5628-NRP
 Contract Type: NRP
 File Number: 57278
 Contract Manager: GORMAN ANGELA K
 Person Company: GRAHAM & CONNER LLC
 Primary Address1: Not reported
 Primary Address2: Not reported
 Primary City: Not reported
 Primary State Code: Not reported
 Primary Zip Code: Not reported
 Type Brownfield: Not reported
 Acreage: 0.94
 Contract Executed: 13-Feb-06
 COC Date Issued: Not reported
 RC Executed: Not reported
 Contact: Not reported
 Status Code: ACTIVE
 IC Received: 26-Oct-05
 Workplan Due: Not reported
 Workplan Received: Not reported
 Workplan Reviewed: Not reported
 Workplan Approved: Not reported
 Report Received: Not reported
 Report Reviewed: Not reported
 Report Approved: Not reported
 Cap Approved: Not reported
 Contract Mailed: Not reported
 Date Terminated: 11-May-06

46
NW
1/2-1
0.603 mi.
3185 ft.

DELUXE CLEANERS
3007 BROAD RIVER RD
COLUMBIA, SC 29210

SHWS S105621450
DRYCLEANERS N/A

Relative:
Lower
Actual:
310 ft.

SHWS:
 Name: DELUXE CLEANERS
 Address: 3007 BROAD RIVER RD
 City,State,Zip: COLUMBIA, SC 29210
 EPA ID: SCDRY0056072

Drycleaners:
 BLWM Number: 56072
 Rank: N
 Priority Group Explanation: N

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

47
SE
1/2-1
0.656 mi.
3463 ft.

TRIPP'S FINE CLEANERS
1339 BROAD RIVER RD
COLUMBIA, SC 29210

SHWS S105621468
DRYCLEANERS N/A

Relative:
Lower
Actual:
305 ft.

SHWS:
Name: TRIPP'S FINE CLEANERS
Address: 1339 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210
EPA ID: SCDRY0051271

Drycleaners:
BLWM Number: 51271
Rank: III
Priority Group Explanation: III

48
NW
1/2-1
0.719 mi.
3795 ft.

ARNOLDS PROFESSIONAL GARMENT CARE
3104 BROAD RIVER ROAD
COLUMBIA, SC 29210

SHWS 1000333641
RCRA NonGen / NLR SCD036105484
FINDS
ECHO
DRYCLEANERS

Relative:
Lower
Actual:
315 ft.

SHWS:
Name: ARNOLDS PROFESSIONAL GARMENT CARE INC
Address: 3104 BROAD RIVER RD
City,State,Zip: COLUMBIA, SC 29210
EPA ID: SCDRY0051118

RCRA NonGen / NLR:
Date Form Received by Agency: 19980701
Handler Name: ARNOLDS PROFESSIONAL GARMENT CARE
Handler Address: 3104 BROAD RIVER ROAD
Handler City,State,Zip: COLUMBIA, SC 29210
EPA ID: SCD036105484
Contact Name: DAVID SHAW
Contact Address: 101 SUNBELT BLVD
Contact City,State,Zip: COLUMBIA, SC 29203
Contact Telephone: 803-786-8985
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 04
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: SC
State District: CM
Mailing Address: SUNBELT BLVD
Mailing City,State,Zip: COLUMBIA, SC 29203
Owner Name: DAVID SHAW & NEIL FREEMAN
Owner Type: Private
Operator Name: OPERNAME
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ARNOLDS PROFESSIONAL GARMENT CARE (Continued)

1000333641

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code: D039

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARNOLDS PROFESSIONAL GARMENT CARE (Continued)

1000333641

Waste Description: TETRACHLOROETHYLENE

Waste Code: F002

Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROETHANE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator: Owner

Owner/Operator Name: DAVID SHAW & NEIL FREEMAN

Legal Status: Private

Date Became Current: Not reported

Date Ended Current: Not reported

Owner/Operator Address: 101 SUNBELT

Owner/Operator City,State,Zip: COLUMBIA, SC 29203

Owner/Operator Telephone: 803-786-8985

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: OPERNAME

Legal Status: Private

Date Became Current: Not reported

Date Ended Current: Not reported

Owner/Operator Address: OPERSTREET

Owner/Operator City,State,Zip: OPERCITY, WY 99999

Owner/Operator Telephone: 404-555-1212

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19980701

Handler Name: ARNOLDS PROFESSIONAL GARMENT CARE

Federal Waste Generator Description: Not a generator, verified

State District Owner: SC

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: Yes

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARNOLDS PROFESSIONAL GARMENT CARE (Continued)

1000333641

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110004937793

Click Here:

Environmental Interest/Information System:

SC-EFIS (South Carolina - Environmental Facility Information System) integrates information on environmental facilities, permits, violations, enforcement actions, and compliance activities needed to support regulatory requirements and target environmental quality improvements for the water, air, solid waste, and hazardous waste program areas. The EFIS was developed by the state of South Carolina and Maine joined their system in 2004.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000333641
Registry ID: 110004937793
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110004937793>
Name: ARNOLDS PROFESSIONAL GARMENT CARE
Address: 3104 BROAD RIVER ROAD
City,State,Zip: COLUMBIA, SC 29210

Drycleaners:

BLWM Number: 51118
Rank: II
Priority Group Explanation: II

49
WNW
1/2-1
0.838 mi.
4426 ft.

CAROLINA CUSTOM AUTO TRIM
1109 ST ANDREWS RD
COLUMBIA, SC 29201

SHWS S108953988
N/A

Relative:
Lower
Actual:
290 ft.

SHWS:
Name: CAROLINA CUSTOM AUTO TRIM
Address: 1109 ST ANDREWS RD
City,State,Zip: COLUMBIA, SC 29201
EPA ID: SCD982119281

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

50
NW
1/2-1
0.904 mi.
4775 ft.

CEDAR CHEST CLEANERS
3315 BROAD RIVER RD
COLUMBIA, SC 29201

SHWS S119121998
ASBESTOS N/A

Relative:
Lower
Actual:
299 ft.

SHWS:
 Name: CEDAR CHEST CLEANERS
 Address: 3315 BROAD RIVER RD
 City,State,Zip: COLUMBIA, SC 29201
 EPA ID: SCD987598091

ASBESTOS:

Name: BI-LO #64
 Address: 3315 BROAD RIVER RD
 Address 2: Not reported
 City,State,Zip: COLUMBIA, SC 29201
 Permit No: R1609206
 Activity: Expired
 Bus Phone: Not reported
 Co Name: PALMETTO ENVIRONMENTAL ASSOCIATES INC
 District: Not reported
 Permit Type: NESHAP Project
 Sub Type: Not reported
 Local Facility: Not reported
 Disposition: Not reported
 Description: Not reported
 Glove: Not reported
 Fri: Not reported
 Other: Not reported
 Program: Air - Asbestos
 Category: AIR-Asbestos Removal
 General Category: NESHAP
 Issue Date: 9/14/2016
 Permittee: MELANIE DUNNAGAN, PALMETTO ENVIRONMENTAL ASSOCIATES INC
 Permittee Address: SC, US, 2047 INDUSTRIAL BLVD, LEXINGTON, 29072
 Permittee Phone: 8039960644
 Permittee Email: Not reported
 Comments: Not reported
 Compliance Name: James E Hinkle (INACTIVE)
 Agency: Not reported

Count: 6 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
COLUMBIA	S127460297	LEXINGTON HEALTH INC DBA LEXINGTON	7033 & 7035 ST ANDREWS RD	29210	LUST
COLUMBIA	U004254829	DORIS DERRICK PROPERTY	8025 BROAD RIVER RD		LUST, UST
COLUMBIA	U003930440	FORMER USA SERVICE STATION	DUTCH SQUARE MALL		LUST, UST, GWCI
COLUMBIA	S117725562	FMR ED ROBINSON LAUNDRY & DRY CLE	DUTCH SQUARE MALL - NEXT		DRYCLEANERS
COLUMBIA	1003869057	RUSHMORE SITE	RUSHMORE DRIVE	29210	SEMS-ARCHIVE
COLUMBIA	S118491499		I-20 W MM 67	0	CDL

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
** - Indicates location may or may not be in requested radius. Site has not been assigned a latitude/longitude coordinate. Further review recommended.								
29210	S112637986					COLUMBIA	SC	
29210	1025580560		GREEN HOLE			COLUMBIA	SC	
29210	2011007219				**	COLUMBIA	SC	HMIRS
29210	1018232705		TOMS CREEK		**		SC	
29210	1021247146		MARKS PLACE	HWY #6	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1020954211		CAROLINA INTERSTATE SERVICE	I-26 & PINEY GROVE RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1021069299		CAROLINA INTERSTATE SERVICE	I-26 & PINEY GROVE ROAD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1004780441	SCD987578150	EXXON LOCATION 4 5637	I26 & PINEY GROVE ROAD		COLUMBIA	SC	RCRA-CESQG
29210	1020317908		BACHMAN HORACE M	HWY 1 I 26	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	S127618387		RESIDENTIAL HOUSE	3490 HWY 101		GREER	SC	
29210	1005792335	110002312667	MCCALL ROYAL AMBASSADOR CAMP	C/O 190 STONERIDGE DR	**	COLUMBIA	SC	FINDS
29210	1006818331	110002314754	PINE ISLAND CLUB	RT 2 BOX 331A RIVER RD	**	COLUMBIA	SC	FINDS
29210	1026589527		DUCANE HEATING CORPORATION	S 200 DUTCH PLAZA 800 DUTCH SQUARE	**	COLUMBIA	SC	PRP
29210	1005853766	110008564865	EXXON LOCATION 4 5637	I 26 & PINEY GROVE RD		COLUMBIA	SC	FINDS
29210	U003622327	10363	GILES EXXON	I 26 & PINEY GROVE RD		COLUMBIA	SC	GWCI, LUST, UST
29210	1020568296		TRUCKSTOP INC	I 26 PINEY GROVE RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1012097789	110038788489	SC DC:REMBERT	HWY 261	**	SUMTER	SC	FINDS
29210	1020798310		HAGOODS BARGAIN STORE	HWY 321	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	S127630453		WELLMAN INC	HWY 41-51	**	JOHNSVILLE	SC	
29210	2000531600			HWY 45 SOUTH	**	JAMESTOWN	SC	ERNS
29210	1021597954		MARKS PLACE	HWY 6	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	S127618883		MASSRY PROPERTY GRAVITY SEWER ---	64TH AVE	**	MYRTLE BEACH	SC	
29210	U004016921	10080	LEXINGTON HEALTH INC DBA LEXINGTON	7033 & 7035 ST ANDREWS RD	**	COLUMBIA	SC	UST
29210	S127460297		LEXINGTON HEALTH INC DBA LEXINGTON	7033 & 7035 ST ANDREWS RD	**	COLUMBIA	SC	LUST
29210	1021948261		SOC SERVICE STATION NO 73	<	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1020864943		RIVERVIEW SERVICE STATION	1420 ADELLA ST		COLUMBIA	SC	EDR Historical Auto Stations
29210	1021787541		CIRCLE K CONVENIENCE STORES	786 ST ANDRES		COLUMBIA	SC	EDR Historical Auto Stations
29210	S126293924		SHAW INDUSTRIES	4401 ST. ANDREW RD		COLUMBIA	SC	
29210	1005790096	110002239382	BRIDLERIDGE SD	1030 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	1005790235	110002237856	RIVERCHASE UTILITIES INC	1030 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	1007241053	110017127170	DRS HOLMAN & FORBES	1061 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	1003869058	SCD982119281	CAROLINA CUSTOM AUTO TRIM	1109 ST. ANDREWS RD		COLUMBIA	SC	CERCLIS-NFRAP
29210	1012094019	110038798593	VERIZON WIRELESS COLUMBIA	1118 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	S117406043			1168 ST ANDREWS RD		COLUMBIA	SC	CDL
29210	1004780027	110002245286	ASTRO AUTO ELECTRIC	1168 ST ANDREWS ROAD		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	S119117344		LEEZA'S CARE CONNECTION	1201 ST ANDREWS RD		COLUMBIA	SC	
29210	S127640047		FORMER MAGISTRATE'S OFFICE	1223 ST ANDREWS RD		COLUMBIA	SC	
29210	S127640049		FORMER MAGISTRATE'S OFFICE	1223 ST ANDREWS RD		COLUMBIA	SC	
29210	S127639986		KITCHEN AREA- FORMER MAGISTRATES	1223 ST ANDREWS RD		COLUMBIA	SC	
29210	1023542300	110069994110	TAYLORS WINDOWS & SCREEN, INC	1404 ST ANDREWS ROAD		COLUMBIA	SC	FINDS
29210	1007152465	110016672894	ALLTEL	1440 ST. ANDREWS RD.		COLUMBIA	SC	ICIS, FINDS
29210	2018017014		1770 ANDREWS ROAD	1770 ANDREWS ROAD		Columbia	SC	HMIRS
29210	1007257531	110017305058	KIMBERLY J HOLLIDAY DMD	384 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	1007240460	110017120934	JAMES J NYLAND DDS	392 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	1001233703	SCR000007211	HUDSONS CLEANERS D/B/A STERLING CI	4350 ST ANDREWS RD		COLUMBIA	SC	RCRA-CESQG
29210	1007225806	110016969020	WEXFORD HOMEOWNERS ASSOCIATION	4400 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	S118177111		HIDDEN VALLEY SD	4400 ST ANDREWS RD		COLUMBIA	SC	NPDES
29210	S119118324		SHAW INDUSTRIES	4401 ST ANDREWS AVE		COLUMBIA	SC	
29210	S127665400		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664157		SHAW FIBER PLANT - BCF HEADERS	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632261		SHAW FIBER PLANT - AIR WASHER 1&2, F	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127667175		SHAW FIBER	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127624921		SHAW GROUP	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127666119		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632382		SHAW FIBER PLANT- XT-801, 4TH FLOOR,;	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127633323		SHAW FIBER PLANT AREA 2	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119113996		SHAW INDUSTRIES - PLANT 8S - BLDG 80	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127671660		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127672479		SHAW FIBER PLANT AREA 1	4401 ST ANDREWS RD		COLUMBIA	SC	

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S127672412		SHAW FIBER PLANT 7748	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127633292		SHAW FIBER PLANT -	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127662635		SHAW FIBER PLANT HEATERS	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127671930		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632706		SHAW FIBER PLANT # 7298 -A	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127662487		SHAW	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119115506		SHAW INDUSTRIES - COLUMBIA	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127665296		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127631493		HONEYWELL---PROJECT CANCELLED---	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632570		SHAW INDUSTRIES GROUP, INC	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127666087		SHAW FIBER PLANT - EMERGENCY	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127671148		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632262		SHAW FIBER PLANT - UTILITIES AREA	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	1000248735	29210LLDFB44	SHAW INDUSTRIES GROUP INC/COLUMBI	4401 ST ANDREWS RD		COLUMBIA	SC	CORRACTS, AIRS, CERCLIS-NFRAP, NPDES, ICIS, RCRAInfo-SQG, TRIS, RCRAInfo-TSDF
29210	S127633224		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632396		SHAW FIBER PLANT TANK FARM AREA	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127627163		SHAW FIBER PLANT -EMERGENCY PROJ	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127636976		HONEYWELL INTERNATIONAL AUTOCLAV	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127650694		SHAW INDUSTRIES T&N SPINNING BLDG	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127672453		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127663096		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127625573		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127655467		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127671390		SHAW FIBER PLANT - 3RD FLOOR, S-TRAI	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127672130		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632580		SHAW INDUSTRIES GROUP INC - UTILITIE	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119116682		SHAW INDUSTRIES	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664264		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127663416		SHAW FIBER PLANT EMERGENCY	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127648386		SHAW FIBER PLANT HT-1 TANK	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632871		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127662488		SHAW	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127662634		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127654331		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127667169		SHAW INDUSTRIES GROUP - PLANT 8S	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119117419		SHAW INDUSTRIES	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127663477		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119114277		SHAW INDUSTRIES - PLANT 8S - S-TRAIN	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127667486		SHAW FIBER PLANT - STAPLE SPINING P	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119109939		SHAW PLANT 8S - ELEVATED STRUCTURI	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127672473		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119109940		SHAW PLANT 8S - ROOFTOP TANK FARM	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127623301		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127665829		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127633187		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127640835		HONEYWELL NYLON - 4401 ST ANDREWS	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632381		SHAW FIBER PLANT - MEZZANINE SHOP /	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127662657		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119109941		SHAW PLANT 8S - AIR SCRUBBER #4	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632065		SHAW INDUSTRIY- OUTDOOR PIPE	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127663102		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127672180		SHAW INDUSTRIES INC ADMINISTRATIVE	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127671452		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119109942		SHAW PLANT 8S - AIR SCRUBBER #3	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119114688		SHAW - 8S - S-TRAIN POLYMERIZATION A	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127672451		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127650229		SHAW FIBER PLANT (8S) - AW-3 & 4 AND /	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127667636		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127652656		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127653049		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632861		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119109943		SHAW PLANT 8S - AIR SCRUBBER #2	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632813		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127633254		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632145		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632624		SHAW FIBER PLANT --EMERGENCY REMC	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632163		SHAW FIBER PLANT EMERGENY REMOV/	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127657811		SHAW INDUSTRIES INC EXTRUSION PLAN	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127665863		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S127632221		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127671698		SHAW INDUSTRIES REFRIGERATION ROC	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127650456		SHAW FIBER PLANT AIRWASH #1 AND #2	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S123163385		SAHW CARPET PLANT 8S	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	95293714			4401 ST ANDREWS RD		COLUMBIA	SC	ERNS
29210	S127648384		SHAW FIBER PLANT ROOF TN SPINNING I	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127672397		SHAW FIBER PLANT #7748-A	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632926		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127671662		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127651723		SHAW INDUSTRIES - REFRIDGERATION R	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127632705		SHAW FIBER PLANT - EMERGENCY - 4TH	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119109944		SHAW PLANT 8S - AIR SCRUBBER #1	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127624290		SHAW FIBER PLANT - DRAW TWIST OFFIC	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127671854		SHAW FIBER PLANT	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S119109938		SHAW PLANT 8S - ELEVATED STRUCTURI	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127624968		SHAW FIBER PLANT - DT ANEX BUILDING	4401 ST ANDREWS RD		COLUMBIA	SC	
29210	S127022598		SHAW INDUSTRIES 44012 ST ANDREWS F	4401 ST ANDREWS ROAD		COLUMBIA	SC	
29210	1009401800		SHAW INDUSTRIES, INC	4401 ST ANDREWS ROAD		COLUMBIA	SC	FTTS
29210	S127022333		SHAW INDUSTRIES PLANT	4401 ST ANDREWS ROAD		COLUMBIA	SC	
29210	A100200333	1668	HONEYWELL	4401 ST. ANDREWS RD		COLUMBIA	SC	AST
29210	92109644			4401 ST. ANDREWS RD		COLUMBIA	SC	ERNS
29210	92107042			4401 ST. ANDREWS RD		COLUMBIA	SC	ERNS
29210	92110077			4401 ST. ANDREWS RD		COLUMBIA	SC	ERNS
29210	92103862			4401 ST. ANDREWS RD		COLUMBIA	SC	ERNS
29210	92103428			4401 ST. ANDREWS RD		COLUMBIA	SC	ERNS
29210	1014628126			4401 ST. ANDREWS RD.		COLUMBIA	SC	PCB TRANSFORMER
29210	1011815165		ALLIEDSIGNAL INC. - COLUMBIA SITE	4401 ST. ANDREWS ROAD		COLUMBIA	SC	RMP
29210	1012041774		HONEYWELL NYLON INC. - COLUMBIA PL.	4401 ST. ANDREWS ROAD		COLUMBIA	SC	RMP
29210	1011837075		SHAW INDUSTRIES GROUP, INC., PLANT I	4401 ST. ANDREWS ROAD		COLUMBIA	SC	RMP
29210	1007089051		HONEYWELL COLUMBIA PLANT	4401 ST. ANDREWS ROAD		COLUMBIA	SC	TSCA
29210	1001957502		ALLIEDSIGNAL FIBERS COLUMBIA PLANT	4401 ST. ANDREWS ROAD		COLUMBIA	SC	TSCA
29210	92134434			4401 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	1011837074		SHAW INDUSTRIES GROUP, INC., PLANT I	4401 ST. ANDREWS ROAD		COLUMBIA	SC	RMP
29210	S127470191		SHAW COLA PIPE	4401 ST. ANDREWS ROAD		COLUMBIA	SC	
29210	1011827692		HONEYWELL INTERNATIONAL, INC. - COL	4401 ST. ANDREWS ROAD		COLUMBIA	SC	RMP
29210	92141205			4402 ST ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95291554			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	9194232			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95292046			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92131993			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92111762			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95285023			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94265573			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95284833			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	9196819			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95291519			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94266392			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94231182			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95279025			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94259854			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95282134			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95281949			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	9192718			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94248978			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95289478			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95290855			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	97394557			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92145163			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92141097			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94219811			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95291063			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93206140			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94262202			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93155931			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92117475			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94251786			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94249361			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94273181			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93184540			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95291521			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	9192615			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	94249025			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94269146			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94251156			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95277157			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95291061			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	9187234			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93151429			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93181718			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93179228			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94251155			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92148082			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	9192613			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94259982			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92134372			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	9193301			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92142134			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94263783			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	9187509			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93183777			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92146710			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94254397			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92137386			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93209363			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94254736			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94229785			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95283763			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	9196761			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95285924			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94254940			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	95275733			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93210828			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92101703			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93192419			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	9194457			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94216108			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93207915			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94223062			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94266175			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94265389			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94244904			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92147912			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	93171296			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92142970			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94243087			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92115491			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	9190871			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	92142723			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94221771			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	94243182			4402 ST. ANDREWS ROAD		COLUMBIA	SC	ERNS
29210	1004592891	110011928325	ROCKING HORSE CHILD CARE CENTER	449 ST. ANDREWS ROAD		COLUMBIA	SC	FINDS
29210	1005790439	110002233020	GREAT SOUTHERN SERVICES	4508 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	1004781256	SCR000761635	TOTAL ENVIRONMENTAL SERV WORLDW	4508 ST ANDREWS RD STE 5		COLUMBIA	SC	RCRA-NonGen
29210	1007225624	110016967175	RENICK CHIROPRACTIC	4514 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	1004780154	SCD981746118	GOODYEAR AUTO SERVICE CTR 2369	4520 ST ANDREWS RD		COLUMBIA	SC	RCRA-CESQG
29210	1007236650	110017081129	SHADOWWOOD COVE	455 ST ANDREWS RD B-2		COLUMBIA	SC	FINDS
29210	S127560257			527 ST ANDREWS RD		COLUMBIA	SC	CDL
29210	S119111891		SC STATE CREDIT UNION - PARTIAL DEM	529 ST ANDREWS RD		COLUMBIA	SC	
29210	S127626837		SEVEN OAKS PRESBYTERIAN CHURCH	530 ST ANDREWS RD		COLUMBIA	SC	
29210	S127626186		SEVEN OAKS PRESBYTERIAN CHURCH	530 ST ANDREWS RD		COLUMBIA	SC	
29210	S127626185		SEVEN OAKS PRESBYTERIAN CHURCH	530 ST ANDREWS RD		COLUMBIA	SC	
29210	1000575808	SCD987582616	DUTCH CLEANERS & LAUNDRY	533 ST. ANDREWS ROAD		COLUMBIA	SC	DRYCLEANERS, RCRA-CESQG, SHWS
29210	S127595098		DOLLAR GENERAL ST ANDREWS ROAD	536 ST ANDREWS RD		COLUMBIA	SC	BROWNFIELDS, VCP, SHWS
29210	1000449067	SCD987573300	CROWN SC-011	538 ST ANDREWS RD		COLUMBIA	SC	RCRA-NonGen
29210	U003623069	7685	PANTRY EXPRESS 610	538 ST ANDREWS RD		COLUMBIA	SC	GWCI, LUST, UST
29210	1014629641			542 ST ANDREWS RD		COLUMBIA	SC	PCB TRANSFORMER
29210	1016827074	110058917702	WINDOW WORLD OF THE MIDLANDS, INC	549 ST. ANDREWS ROAD		COLUMBIA	SC	FINDS
29210	1007256834	110017297708	SEVEN OAKS ANIMAL HOSPITAL	591 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	S127656745		SAINT ANDREWS APARTMENTS UNIT # 47	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127656969		ST ANDREWS APARTMENTS - PAISLEY UI	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127633197		SAINT ANDREWS APT UNIT 14E	601 ST ANDREWS RD		COLUMBIA	SC	

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S127663501		ST ANDREWS APT 79H	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127663499		ST ANDREWS APT 79C	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127654257		TOWN HOUSE #7	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664965		ST ANDREWS APTS 9F	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127663387		ST ANDREWS APT 79A KITCHEN	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127657358		SAINT ANDREWS UNIT 14A	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127663497		ST ANDREWS APT 34D	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127666464		ST ANDREWS APTS - UNIT 002	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127657327		SAINT ANDREWS UNIT43F	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664101		ST ANDREWS APARTMENT HOMES - UNIT	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127666468		ST ANDREWS APTS - UNIT 055	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664107		ST ANDREWS APARTMENT HOMES - UNIT	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127666461		ST ANDREWS APTS - UNIT 092	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127663498		ST ANDREWS APT 34G	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127663500		ST ANDREWS APT 79G	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127633233		ST ANDREWS APT PAISLEY 51	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664963		ST ANDREWS APTS - 9E	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664105		ST ANDREWS APARTMENT HOMES - UNIT	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127666467		ST ANDREWS APTS - UNIT 010	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127666466		ST ANDREWS APTS - UNIT KB(VARIOUS L	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127658122		ST ANDREWS APT UNIT 21	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127656970		ST ANDREWS APARTMENTS - ISLEY UNIT	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127666465		ST ANDREWS APTS - UNIT PA(VARIOUS)	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127629241		SAINT ANDREWS APT 22G	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664966		ST ANDREWS APTS - IS 5	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S119115267		ST ANDREWS APTS - UNIT 7	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127666462		ST ANDREWS APTS - UNIT 101	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664725		ST ANDREWS APTS - UNIT 55E	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127657210		UNIT 22B	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127666463		ST ANDREWS APTS - UNIT IS17, IS21	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664109		ST ANDREWS APARTMENT HOMES - UNI	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S123163042		UNIT 43-D	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127666469		ST ANDREWS APTS - UNITS 022, 026, 027	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664108		ST ANDREWS APARTMENT HOMES - UNIT	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127657055		UNIT 92 J	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127639369		ST ANDREWS APTS,	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127662437		ST ANDREWS APTS - UNIT 92F - EMERGE	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127633265		ST ANDREWS APTS - KILBRANNON 45B	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664875		ST ANDREWS APTS - KB25	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664106		ST ANDREWS APARTMENT HOMES - UNIT	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127657120		UNIT 22C --EMERGENCY REMOVAL--	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127656849		UNIT 34A	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127672332		SAINT ANDREWS UNIT10H	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127672344		SAINT ANDREWS APARTMENTS UNIT KB7	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S119115266		ST ANDREWS APTS - UNIT 11	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127656848		UNIT 27B	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127657329		SAINT ANDREWS UNIT 45F & E	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127663769		ST ANDREWS APT 34F	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127663496		ST ANDREWS APT 34C	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127657361		SAINT ANDREWS UNIT 14C	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664962		ST ANDREWS APTS - 9D	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127656727		ST ANDREWS APARTMENT HOMES UNIT	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127657328		SAINT ANDREWS UNIT 43H	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664960		ST ANDREWS APTS - 9B	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127635519		ST ANDREWS APARTMENT; BLDG 45	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127657365		SAINT ANDREWS UNIT 22F	601 ST ANDREWS RD		COLUMBIA	SC	
29210	S127664961		ST ANDREWS APTS - 9C	601 ST ANDREWS RD		COLUMBIA	SC	
29210	1000349538	110002243082	TRIPPS CLEANERS	6020 ST ANDREWS ROAD		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1018289932		BC COMPONENTS INC	6071 ST ANDREWS RD		COLUMBIA	SC	ICIS
29210	1000289223	110038748380	PHILIPS COMPONENTS FACILITY	6071 ST ANDREWS RD		COLUMBIA	SC	GWCI, BROWNFIELDS, VCP, ALLSITES, UIC, NPDES, RCRA-CESQG, AUL, SHWS, FINDS
29210	1007224785	110016958498	WHITES COMMUNITY CARE	6172 ST ANDREWS RD		IRMO	SC	FINDS
29210	1020084339		SEVEN OAKS MARTINIZING	6179 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	1000117466	110002243876	ONE HOUR KLEAN KARE	6179 ST ANDREWS RD		COLUMBIA	SC	RCRA Historical Cleaners
29210	1007449391	SCR000766071	GREENVIEW ENVIRONMENTAL WORLDW	6326 ST ANDREWS RD STE 201		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1007837797	110020017881	PALMETTO BAY ASSOCIATES LLC	6334 ST ANDREWS RD		COLUMBIA	SC	RCRA-NonGen
29210	U003730130	6045	SAMS FOODMART 2	6340 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	1000449068	SCD987573318	QUICK FARE	6340 ST ANDREWS RDR		COLUMBIA	SC	GWCI, LUST, UST
29210	1006818332	110002314790	OLE TIMEY MEATS	6352 ST ANDREWS RD		COLUMBIA	SC	RCRA-NonGen
								FINDS

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	1020995188		SEVEN OAKS EXXON SERVICENTER	637 ST ANDREWS RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1004780709	SCD987595717	SPEEDWAY 2857	637 ST ANDREWS RD		COLUMBIA	SC	RCRA-CESQG
29210	U003622484	12138	HESS STATION 40374	637 ST ANDREWS RD		COLUMBIA	SC	GWCI
29210	1007881232	SCR000766543	NATIONAL TIRE & BATTERY #8605	640 ST ANDREWS RD		COLUMBIA	SC	RCRA-CESQG
29210	S128050522		CHEF STORE - ST. ANDREWS RD	655 ST. ANDREWS RD		COLUMBIA	SC	
29210	1007245945	110017178150	UNOCAL 55 9655 222	710 ST ANDREWS & WOODLAND HILL	**	COLUMBIA	SC	FINDS
29210	1000257570	SCD987569217	LEXINGTON DRY CLEANING	733 ST. ANDREWS RD.		IRMO	SC	RCRA-NonGen
29210	S123163534		SUITE C	736 ST ANDREWS RD		COLUMBIA	SC	
29210	S105621419		ONE HOUR MARTINIZING/CROWN CLEAN	742 ST ANDREWS RD		COLUMBIA	SC	DRYCLEANERS, SHWS
29210	1004780183	110002243885	ONE HOUR MARTINIZING	742 ST ANDREWS ROAD		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	S127021915		QT- 773 ST ANDREWS - POOL HOUSE	773 ST ANDREWS RD		COLUMBIA	SC	
29210	S127021946		QT -773 ST. ANDREWS - MAIN BLDG	773 ST ANDREWS ROAD		COLUMBIA	SC	
29210	1004780540	SCD987582400	BP OIL-SITE #24224	775 ST ANDREWS & 1-26		COLUMBIA	SC	RCRA-NonGen
29210	1020746345		ST ANDREWS GULF	775 ST ANDREWS RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1007245714	110017175830	CIRCLE K 2705141	775 ST ANDREWS RD		COLUMBIA	SC	FINDS
29210	S120857741		ST ANDREWS C MART	775 ST ANDREWS RD		COLUMBIA	SC	RCR
29210	U004273476		ST ANDREWS C MART	775 ST ANDREWS RD		COLUMBIA	SC	LUST, UST
29210	U003666078	7623	ST ANDREWS PB	775 ST ANDREWS RD		COLUMBIA	SC	GWCI
29210	1020519919		ST ANDREWS PURE OIL STATION	780 ST ANDREWS RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1021145096		BUNDRICKS TEXACO	801 ST ANDREWS RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127622632		FIRST CHURCH OF NAZARENE ANDREWS	901 ST ANDREWS HOUSE		COLUMBIA	SC	
29210	S127643717		COLUMBIA FIRST CHURCH OF THE NAZAI	901 ST ANDREWS RD		COLUMBIA	SC	
29210	S127643464		FLOOR 1 & EXTERIOR @ CHRISTIAN ACTI	901 ST ANDREWS RD, COLUMBIA FIRST C		COLUMBIA	SC	
29210	S127648049		FIRST CHURCH OF NAZARENE	901 ST ANDREWS RD, COLUMBIA FIRST C		COLUMBIA	SC	
29210	92101649			ST ANDREWS RD	**	COLUMBIA	SC	ERNS
29210	1020746358		SOC SERVICE STATION NO 73	ST ANDREWS RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	9175509			ST ANDREWS RD	**	COLUMBIA	SC	ERNS
29210	1007258161	110017311700	CSX REAL PROPERTY INC	ARM ENVIRONMENTAL SERVICES	**	COLUMBIA	SC	FINDS
29210	1000156171	110004940315	K-MART #3168	99 NORTH ARROWHEAD RD.		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1016184858	110002191253	PENSKE AUTO CENTER COLUMBIA	99B N ARROWHEAD RD		COLUMBIA	SC	FINDS
29210	1004780888	SCR000002089	PENSKE AUTO CENTER 3168	99B N ARROWHEAD RD	**	COLUMBIA	SC	RCRA-NonGen
29210	S119014889		CITGO 209	102 ARROWOOD & BUSH R		COLUMBIA	SC	RCR
29210	U001119726	7763	CITGO 209	102 ARROWOOD & BUSH RIVER RD		COLUMBIA	SC	GWCI, LUST, UST
29210	1007231986	110017032799	CITGO 209	102 ARROWOOD & BUSH RIVER ROAD		COLUMBIA	SC	FINDS
29210	1005791105	110002190986	SOMMERS 319	102 ARROWOOD RD		COLUMBIA	SC	FINDS
29210	1004780607	SCD987586856	SUNSTAR INC CITGO 209	102 ARROWOOD RD		COLUMBIA	SC	RCRA-NonGen
29210	U004019444	7780	PENSKE AUTO CENTER KMART	99 N ARROWOOD RD	42, SSW, 1/4 - 1/2	COLUMBIA	SC	LUST, UST
29210	1020826324		AUTOTRONIC SYSTEMS INC	102 ARROWWOOD DR		COLUMBIA	SC	EDR Historical Auto Stations
29210	1009312462	SCR000767632	AKZO NOBEL PAINTS 491	110 ARROWWOOD DR		COLUMBIA	SC	RCRA-CESQG
29210	1009329983	110024557754	AKZO NOBEL PAINTS 491	110 ARROWWOOD DR		COLUMBIA	SC	FINDS
29210	S127559867			1115 ARROWWOOD RD		COLUMBIA	SC	CDL
29210	S127635274		H B RHAME ELEM SCHOOL	1300 ARROWWOOD RD		COLUMBIA	SC	
29210	S128050157		433 ARROWWOOD	433 ARROWWOOD COLUMBIA SC		COLUMBIA	SC	
29210	S127469706		433 ARROWWOOD ROAD	433 ARROWWOOD ROAD		COLUMBIA	SC	
29210	S127469745		435 ARROWWOOD DRIVE	435 ARROWWOOD DRIVE		COLUMBIA	SC	
29210	S127616947		443 ARROWWOOD ROAD JOB#3539-21	443 ARROWWOOD RD		COLUMBIA	SC	
29210	S127616611		443 ARROWWOOD RD - SCDOT	443 ARROWWOOD RD		COLUMBIA	SC	
29210	S125479637		PITTHARD RESIDENCE	1808 ASHFORD LN		COLUMBIA	SC	
29210	1005790393	110002234564	HYDROLOGIC INC COLUMBIA	100 ASHLAND PK LN STE E		COLUMBIA	SC	FINDS
29210	S127627590		SEVEN OAKS ELEMENTARY	2800 ASHLAND RD		COLUMBIA	SC	
29210	S127629122		SEVEN OAKS ELEMENTARY	2800 ASHLAND RD		COLUMBIA	SC	
29210	1007256092	110017290073	ASSURANCE WATERPROOFING	1977 ASSURANCE RD		COLUMBIA	SC	FINDS
29210	1021402831		PINEY GROVE SHELL	I-20 AT PINEY GROVE RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1021616356		GILES EXXON SERVICE	I-26 AT PINEY GROVE RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	S127634217		HOUSE	3116 AVALEE RD		COLUMBIA	SC	
29210	S127634316		SFD 3116 AVALEE RD, FIRST CHURCH OF	3116 AVALEE RD		COLUMBIA	SC	
29210	S125479507		HOUSE	1216 BAFFIN BAY RD		COLUMBIA	SC	
29210	S126294279		1224 BAFFIN BAY	1224 BAFFIN BAY ROAD		COLUMBIA	SC	
29210	S127628145		RESIDENCE	802 BAFFIN BAY RD		COLUMBIA	SC	
29210	S127643958		MONTESSORI EARLY LEARNING CENTER	1101 BALSAM RD		COLUMBIA	SC	
29210	S127643883		MONTESSORI EARLY LEARNING CENTER	1101 BALSAM RD		COLUMBIA	SC	
29210	1004592861	110011928192	MONTESSORI EARLY LEARNING CENTER	1101 BALSAM ROAD		COLUMBIA	SC	FINDS
29210	S126293197		134 BARMOUNT DRIVE	134 BARMOUNT DR		COLUMBIA	SC	

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S127635148		CITY OF AIKEN PUBLIC WORKS; FORMER RESIDENCE	208-210 BARNWELL ST NE 1015 BEATTY RD		AIKEN WEST COLUMBIA	SC SC	
29210	S119113851		BELLSOUTH HOWARD CIRCLE	1900 BEATTY RD	**	COLUMBIA	SC	UIC
29210	S109516052		DECKER BLVD UNION 76 SVC CTR	2215 BECKER BLVD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	S127655643		BROAD RIVER PUMP STATION	1875 BENTLEY DR		COLUMBIA	SC	
29210	1007257400	110017303728	WYBOO PLANTATION	1875 BENTLEY DR		COLUMBIA	SC	FINDS
29210	1007834997	110019989850	RIVERGATE APARTMENTS	3900 BENTLEY DR		COLUMBIA	SC	FINDS
29210	1007835005	110019989958	RIVERVIEW APARTMENTS	4501 BENTLEY DR		COLUMBIA	SC	FINDS
29210	S121477237		STONE CREEK APARTMENTS BUILDING	18 BERRY HILL RD		COLUMBIA	SC	
29210	S121476772		STONE CREEK APARTMENTS BLDG 20 L	18 BERRY HILL RD		COLUMBIA	SC	
29210	S121477238		STONE CREEK APARTMENTS BUILDING	18 BERRY HILL RD		COLUMBIA	SC	
29210	S121477239		STONE CREEK APARTMENTS BUILDING	18 BERRY HILL RD		COLUMBIA	SC	
29210	S121477236		STONE CREEK APARTMENTS BUILDING	18 BERRY HILL RD		COLUMBIA	SC	
29210	S118422670			10 BERRYHILL RD		LEXINGTON	SC	CDL
29210	S119119061		16 BERRYHILL ROAD - SCDOT	16 BERRYHILL RD		COLUMBIA	SC	
29210	S127617327		16 BERRYHILL ROAD JOB#3690-21	16 BERRYHILL RD		COLUMBIA	SC	
29210	S120982369		STONECREEK APARTMENTS BLDG 16-D	18 BERRYHILL RD		COLUMBIA	SC	
29210	S127656945		STONE CREEK APARTMENTS - BUILDING	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982364		STONECREEK APARTMENTS BLDG 28- L	18 BERRYHILL RD		COLUMBIA	SC	
29210	S127659985		STONY CREEK APARTMENTS	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982375		STONECREEK APARTMENTS BLDG 20-C	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982370		STONECREEK APARTMENTS BLDG 15-H	18 BERRYHILL RD		COLUMBIA	SC	
29210	S127665289		APARTMENT	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982377		STONECREEK APARTMENTS BLDG 7-G	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982365		STONECREEK APARTMENTS BLDG 9-C	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982376		STONECREEK APARTMENTS BLDG 8-F, F	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982373		STONECREEK APARTMENTS BLDG 4-G	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982366		STONECREEK APARTMENTS BLDG 10-C	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982368		STONECREEK APARTMENTS BLDG 14-D	18 BERRYHILL RD		COLUMBIA	SC	
29210	S127663618		STONE CREEK APARTMENTS (BUILDING	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982378		STONECREEK APARTMENTS BLDG 24-3	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982374		STONECREEK APARTMENTS BLDG 23-B	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982362		STONECREEK APARTMENTS BLDG 29-C	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982367		STONECREEK APARTMENTS BLDG 12-C	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982379		STONECREEK APARTMENTS BLDG 30-A	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982372		STONECREEK APARTMENTS BLDG 2-A	18 BERRYHILL RD		COLUMBIA	SC	
29210	S120982371		STONECREEK APARTMENTS BLDG 6-D	18 BERRYHILL RD		COLUMBIA	SC	
29210	S127663178		PEACHTREE APT 300-309	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127666457		PEACHTREE PLACE APTS - BLDG 1 - VAR	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127666454		PEACHTREE PLACE APTS - BLDG 5 - VAR	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127667001		PEACHTREE PLACE APTS - BLDG 5 (511, 1	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663491		PEACHTREE APT 555	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127662909		PEACHTREE PLACE APARTMENTS (BREE	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127662955		PEACHTREE PLACE APT UNIT 510-519 BR	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127666456		PEACHTREE PLACE APTS - BLDG 7 - VAR	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127667196		PEACHTREE APTS - UNIT 500	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127662945		PEACHTREE PLACE APARTMENTS - BREE	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663955		PEACHTREE PLACE APT 525	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127666455		PEACHTREE PLACE APTS - BLDG 6 - VAR	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663492		PEACHTREE APT 559	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663232		PEACHTREE PLACE APTS 330-339	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663948		PEACHTREE PLACE APT UNIT 115	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127666952		PEACHTREE PLACE APTS - BLDG 2 (201, 1	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663490		PEACHTREE APT 551	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127662953		PEACHTREE PLACE APT UNITS 530-539 B	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127664722		PEACHTREE PLACE APTS - 602	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127662910		PEACHTREE PLACE APARTMENTS - BREE	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127662952		PEACHTREE APT BREEZEWAY UNITS 500	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663493		PEACHTREE APT 630	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127664721		PEACHTREE PLACE APTS - 613	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127667002		PEACHTREE PLACE APTS - BLDG 2 (220,2	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663951		PEACHTREE APT UNIT 529	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663179		PEACHTREE APT 200-209	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127666458		PEACHTREE PLACE APTS - BLDG 2 - VAR	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127664723		PEACHTREE PLACE APTS - 621	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127664724		PEACHTREE PLACE APTS - 614	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663177		PEACHTREE APT BREEZEWAY 310-319	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127667194		PEACHTREE PLACE APTS - BLDG 3 - 330,	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663791		PEACHTREE APT LAUNDRY ROOM	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127664719		PEACHTREE PLACE APTS - 600	200 BERRYHILL RD		COLUMBIA	SC	

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S127664720		PEACHTREE PLACE APTS - 620	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663180		PEACHTREE APT BREEZEWAY210-219	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127667195		PEACHTREE PLACE APTS - UNIT 528	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663233		PEACHTREE PLACE APT 320-329 BREEZE	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663494		PEACHTREE APT 632	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127666427		PEACHTREE APTS - BUILDING 3 - MULTIP	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127663495		PEACHTREE APT 635	200 BERRYHILL RD		COLUMBIA	SC	
29210	S127662485		PEACHTREE PLACE APARTMENNTS	200 BERRYHILL RD, APT 330		COLUMBIA	SC	
29210	S127617284		214 BERRYHILL ROAD - SCDOT	214 BERRYHILL RD		COLUMBIA	SC	
29210	1004779808	SC0000671024	HEWLETT PACKARD CO	250 BERRYHILL RD S 111		COLUMBIA	SC	RCRA-NonGen
29210	1016184861	110002191422	HEWLETT PACKARD CO	250 BERRYHILL RD STE 111		COLUMBIA	SC	FINDS
29210	S119117775		VACANT BUILDING	714 BETSY DR		COLUMBIA	SC	
29210	1007228059	110016992263	LEARN & PLAY DAYCARE	1224 BLUEFIELD RD		COLUMBIA	SC	FINDS
29210	S125237947		ST ANDREWS MIDDLE SCHOOL ROOM A1	1231 BLUEFIELD DR		COLUMBIA	SC	
29210	S127617363		ST. ANDREWS MIDDLE SCHOOL	1231 BLUEFIELD DRIVE		COLUMBIA	SC	
29210	S119115249		ST ANDREWS MIDDLE SCHOOL	1231 BLUEFIELD RD		COLUMBIA	SC	
29210	S127640724		ST ANDREWS MIDDLE SCHOOL - ADMINIS	1231 BLUEFIELD RD		COLUMBIA	SC	
29210	S127631526		ST ANDREWS MIDDLE SCHOOL ADMIN BL	1231 BLUEFIELD RD		COLUMBIA	SC	
29210	S127670623		ST ANDREWS MIDDLE SCHOOL - MEDIA C	1231 BLUEFIELD RD		COLUMBIA	SC	
29210	S127641744		ST ANDREWS MIDDLE SCHOOL - MECHA	1231 BLUEFIELD RD		COLUMBIA	SC	
29210	S127627968		SAINT ANDREWS MIDDLE SCHOOL	1231 BLUEFIELD RD		COLUMBIA	SC	
29210	S127641900		ST ANDREWS MIDDLE SCHOOL - MEDIA C	1231 BLUEFIELD RD		COLUMBIA	SC	
29210	S127645158		CAFETERIA- ST ANDREWS MIDDLE SCHO	1241 BLUEFIELD RD		COLUMBIA	SC	
29210	S128050819		MIGUEL RESIDENCE	1320 BLUEFIELD DRIVE		COLUMBIA	SC	
29210	1009634469			4504 BONNIE FOREST BLVD.		COLUMBIA	SC	DOT OPS
29210	1020071523		RAINBOW LAUNDRY CLEANERS NO 5*	BOOZER SHOPPING CTR	**	COLUMBIA	SC	EDR Historical Cleaners
29210	1007834888	110019988780	CONGAREE RIVER ASSOCIATES	PO BOX 1785	**	COLUMBIA	SC	FINDS
29210	1007239432	110017110053	PALMETTO OIL EQUIPMENT CO INC	PO BOX 21216	**	COLUMBIA	SC	FINDS
29210	S127644493		VACANT RESIDENCE	3401 BRIAD RIVER RD		COLUMBIA	SC	
29210	S113669054		ECONOMY INN	1029 BRIARGATE CIR		COLUMBIA	SC	CDL
29210	S123163061		US POST OFFICE REAR VESTIBULE	1120 BRIARGATE CIR		COLUMBIA	SC	
29210	1007837697	110020016882	THE CHRISTIE COMPANY	1140 BRIARGATE CIR		COLUMBIA	SC	FINDS
29210	1014961328	SCR000775320	CVS PHARMACY 3199	1013 BROAD RIVER RD		COLUMBIA	SC	RCRA-NonGen
29210	1016037071	110070738141	CVS PHARMACY 3199	1013 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	S127022473		10737 BROAD RIVER ROAD	10737 BROAD RIVER ROAD	**	COLUMBIA	SC	
29210	U001016621	10458	GREASE MONKEY	1101 BROAD RIVER RD		COLUMBIA	SC	LUST, UST
29210	1007227745	110016989053	PURDY CHIROPRACTIC CENTER	1120 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	S127621491		RESIDENCE	1209 BROAD RIVER RUN		COLUMBIA	SC	
29210	S127637396		AUTO ONE CORP PROPERTY----CANCELL	1231 BROAD RIVER RD		COLUMBIA	SC	
29210	S127619354		RESIDENCE	1237 BROAD RIVER RD		COLUMBIA	SC	
29210	1020968554		BINGHAM INVESTMENTS	1307 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1000134293	SCD981752850	MR TRANSMISSION	1307 BROAD RIVER ROAD		COLUMBIA	SC	RCRA-CESQG
29210	1007241455	110017131334	EXPRESS FOOD MART & GRILL	1330 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	U003620354	7895	QUICK STOP DBA JAI AMBE MANAGEME	1330 BROAD RIVER RD		COLUMBIA	SC	LUST, UST
29210	S105621468		TRIPP'S FINE CLEANERS	1339 BROAD RIVER RD	47, SSE, 1/2 - 1	COLUMBIA	SC	DRYCLEANERS, SHWS
29210	1018887197		PENTERPRISES INC	1339 BROAD RIVER ROAD		COLUMBIA	SC	EDR Historical Cleaners
29210	1000349537	110004937980	TRIPPS FINE CLEANERS	1339 BROAD RIVER ROAD		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1007225530	110016966210	JAMES E BOSLEY DMD	1401 BROAD RIVER		COLUMBIA	SC	FINDS
29210	S128050929		1415 BROADRIVER ROAD - PLAYER	1415 BROAD RIVER RD		COLUMBIA	SC	
29210	S127022911		ST. ANDREWS LUTHERAN CHURCH	1416 BROAD RIVER RD		COLUMBIA	SC	
29210	S119118970		RICHLAND COUNTY FIRST STEPS EARLY	1500 BROAD RIVER RD		COLUMBIA	SC	
29210	S127671486		VIRGINIA WINGARD MEMORIAL UNITED M	1500 BROAD RIVER RD		COLUMBIA	SC	
29210	S127664783		VIRGINIA WINGARD MEMORIAL UNITED M	1500 BROAD RIVER RD		COLUMBIA	SC	
29210	1020315387		BOUKNIGHT O Y ATLANTIC SERVICE	1501 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127620111		DUNKIN' DONUTS BASKIN ROBBINS	1525 BROAD RIVER RD		COLUMBIA	SC	
29210	1007248332	110017202686	CLOVERLEAF ASSOC	1527 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	1022106729		HUTTO SOC #23	1540 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127622466		DOLLAR GENERAL- BOOZER SHOPPING (	1563-B BROAD RIVER RD		COLUMBIA	SC	
29210	1007235745	110017071764	WYMAN BOOZER REALTY INC	1572 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	1007650817	110019917704	SWB INC	1572 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	S108953994		SUBURBAN LODGE (FORMER BANK LOC#	1633 BROAD RIVER RD	41, SSE, 1/2 - 1	COLUMBIA	SC	SHWS
29210	1007240459	110017120925	ST ANDREWS CHRIROPRACTIC CLINIC	1655 BROAD RIVER		COLUMBIA	SC	FINDS
29210	1004780877	SCR000001800	SPEEDWAY 2842	1714 BROAD RIVER RD		COLUMBIA	SC	RCRA-CESQG
29210	S127641548		HESS STATION #40231	1714 BROAD RIVER RD		COLUMBIA	SC	
29210	S127620413		HESS GAS STATION - ROOF	1714 BROAD RIVER RD		COLUMBIA	SC	
29210	U003619431	7633	HESS STATION 40231	1714 BROAD RIVER RD	J, SSE, 1/2 - 1	COLUMBIA	SC	GWCI, UIC, NPDES, LUST, UST
29210	U004253956		SPEEDWAY 2842	1714 BROAD RIVER RD		COLUMBIA	SC	UST

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	1020567798		LUX HESS SERVICE STATION	1714 BROAD RIVER ROAD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1016119408	110002258280	AMERADA HESS STATION 40231	1714 BROAD RIVER ROAD		COLUMBIA	SC	FINDS
29210	S127640607		WESTMINSTER PRESBYTERIAN CHURCH	1715 BROAD RIVER RD		COLUMBIA	SC	
29210	S127670468		WESTMINSTER PRESBYTERIAN CHURCH	1715 BROAD RIVER RD		COLUMBIA	SC	
29210	S127640427		WESTMINSTER PRESBYTERIAN CHURCH	1715 BROAD RIVER RD		COLUMBIA	SC	
29210	1019945525		BURNETTES CLEANERS INC	1718 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Cleaners
29210	S105621371		PALMETTO FINE CLEANERS/FMR BURNE	1718 BROAD RIVER RD		COLUMBIA	SC	DRYCLEANERS, SHWS
29210	U004018251	18230	PEP BOY 134	1804 BROAD RIVER RD	J, SSE, 1/2 - 1	COLUMBIA	SC	LUST, UST
29210	1004780488	110004941190	PEP BOYS 134	1804 BROAD RIVER ROAD	I, SSE, 1/4 - 1/2	COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1007229367	110017005747	JOSEPH S MACK JR DDS	2007 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	1020279738		BANNISTERS 66 SERVICE STATION	2114 BROAD RIVER RD	D, SE, 1/8 - 1/4	COLUMBIA	SC	EDR Historical Auto Stations
29210	1021634214		SHEPPARD TEXACO	2116 BROAD RIVER RD	D, SE, 1/8 - 1/4	COLUMBIA	SC	EDR Historical Auto Stations
29210	1021744094		MOBILE OIL CORPORTION	212 BROAD RIVER TOAD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	U004016932	10130	MCQUIKS OILUBE	2121 BROAD RIVER RD	B, SSE, 1/8 - 1/4	COLUMBIA	SC	GWCI, RCR, LUST, UST
29210	1020967137		MOBIL OIL CORP	2121 BROAD RIVER ROAD	B, SSE, 1/8 - 1/4	COLUMBIA	SC	EDR Historical Auto Stations
29210	1000461882	SCD987577814	MCQUIK'S #9660	2121 BROAD RIVERS ROAD	B, SSE, 1/8 - 1/4	COLUMBIA	SC	RCRA-NonGen
29210	1020626878		ROBERTSON'S GULF SERVICE	2123 BROAD RIVER RD	F, SSE, 1/8 - 1/4	COLUMBIA	SC	EDR Historical Auto Stations
29210	1007259022	110017320709	COLUMBIA DENTURE CENTER	2123 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	S119120317		MONTERREY RESTAURANT - FLOORING	2219 BROAD RIVER RD		COLUMBIA	SC	
29210	1020174567		GARVIN OIL COMPANY INC	2220 BROAD RIVER RD	A, NE, 0 - 1/8	COLUMBIA	SC	EDR Historical Auto Stations
29210	1004780444	110004941038	EXXON LOCATION 4 5015	2220 BROAD RIVER ROAD	A, NE, 0 - 1/8	COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1022058315		FOX SHELL SERVICE STATION	2224 BROAD RIVER RD	A, NNW, 0 - 1/8	COLUMBIA	SC	EDR Historical Auto Stations
29210	S126293565		BROAD RIVER COMMONS	2340 BROAD RIVER RD		COLUMBIA	SC	
29210	S126293552		TELEPERFORMANCE	2340 BROAD RIVER RD		COLUMBIA	SC	
29210	1020627580		METTS OIL CO	2340 BROAD RIVER ROAD	27, NE, 0 - 1/8	COLUMBIA	SC	EDR Historical Auto Stations
29210	S127560076		AUTRYS AMOCO	2344 BROAD RIVER RD		COLUMBIA	SC	CDL
29210	1021614660			2369 BROAD RIVER RD	C, NW, 1/8 - 1/4	COLUMBIA	SC	EDR Historical Auto Stations
29210	S117884616		AAMCO TRANSMISSIONS	2419 BROAD RIVER RD		COLUMBIA	SC	CDL
29210	1020859807			2428 BROAD RIVER RD	E, NNW, 1/8 - 1/4	COLUMBIA	SC	EDR Historical Auto Stations
29210	1001120764	110004942750	CAROLINA INDUSTRIAL INC	2428 BROAD RIVER RD	E, NNW, 1/8 - 1/4	COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1020432803		CIRCLE K STORES INC	2624 BROAD RIVER RD	G, NNW, 1/4 - 1/2	COLUMBIA	SC	EDR Historical Auto Stations
29210	1004780789	110004942251	CRAFT MASTER	2639 BROAD RIVER RD	33, NW, 1/4 - 1/2	COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1021069296		ST ANDREWS RADIATOR	2639 BROAD RIVER ROAD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1007836414	110020004056	R A PROPERTIES	2701 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	1020082187		SCHOONYS CLEANERS	2837 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Cleaners
29210	1020065520		POWERS 60 MINUTE CLEANERS	2839 BROAD RIVER		COLUMBIA	SC	EDR Historical Cleaners
29210	1005790370	110002234948	DATA RESOURCES INC	3005 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	S105621450		DELUXE CLEANERS	3007 BROAD RIVER RD	46, NW, 1/2 - 1	COLUMBIA	SC	DRYCLEANERS, SHWS
29210	1019931558		ARROWWOOD DISTRIBUTORS INC	3007 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Cleaners
29210	1004592857	110011928129	KINDER/WORLD DAY CARE CENTER	3011 BROAD RIVER ROAD		COLUMBIA	SC	FINDS
29210	1014961189	110045989800	CVS PHARMACY 3849	3055 BROAD RIVER RD		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1000333641	110004937793	ARNOLDS PROFESSIONAL GARMENT CAI	3104 BROAD RIVER RD	48, NNW, 1/2 - 1	COLUMBIA	SC	DRYCLEANERS, RCRA-NonGen, SHWS, FINDS
29210	1018427906		SHAW ENTERPRISES INC	3104 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Cleaners
29210	1020864966		HIPPS ENTERPRISES INC	3137 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127636458		MODULAR BLDG 1 DEPT OF YOUTH SERV	3200 BROAD RIVER		COLUMBIA	SC	
29210	S127636457		MODULAR 2 DEPT OF YOUTH SERVICES	3200M BROAD RIVER RD		COLUMBIA	SC	
29210	S119116058		BI LO 5064	3315 BROAD RIVER RD		COLUMBIA	SC	
29210	S119118958		BILO #64	3315 BROAD RIVER RD		COLUMBIA	SC	
29210	1018745950		CEDAR CHEST CLEANERS	3315 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Cleaners
29210	S119114060		BILO	3315 BROAD RIVER RD		COLUMBIA	SC	
29210	1004780788	110004942242	CEDAR CHEST CLEANERS	3315 BROAD RIVER RD SUITE 110		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S117884648			3415 BROAD RIVER RD		COLUMBIA	SC	CDL
29210	S127469663		JOHNATHAN SIMS	3415 BROAD RIVER RD BLDG F		COLUMBIA	SC	
29210	S127654410		CYORESS RUN APARTMENTS BUILDING (	3430 BROAD RIVER RD		COLUMBIA	SC	
29210	S119117651		VACANT RESIDENCE	3533 BROAD RIVER RD		COLUMBIA	SC	
29210	S119117683		MOBILE HOME #2	3533 BROAD RIVER RD		COLUMBIA	SC	

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S119117652		MOBILE HOME #1	3533 BROAD RIVER RD		COLUMBIA	SC	
29210	S119117715		RESIDENCE	3533 BROAD RIVER RD		COLUMBIA	SC	
29210	1018160418	110067049223	WALMART NEIGHBORHOOD MARKET 531	3603 BROAD RIVER ROAD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S127651413		GREEN OAKS APTS	3930 BROAD RIVER RD		COLUMBIA	SC	
29210	S127651451		GREEN OAKS APT R BUILDING - BURNED	3930 BROAD RIVER RD		COLUMBIA	SC	
29210	1010493678	110032601833	GREEN OAKS APARTMENTS	3930 BROAD ROAD		COLUMBIA	SC	FINDS
29210	1000835424	110004941859	ENGINE REPAIR SHOP	3931 BROAD RIVER RD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	1020632769		KESTNER AUTO REPAIR	4059 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1024598591	110070385984	MERITAGE ASSET MANAGEMENT, INC D/I	4059 BROAD RIVER ROAD		COLUMBIA	SC	
29210	S127639759		ST ANDREWS LUTHERAN CHURCH	416 BROAD RIVER RD	**	COLUMBIA	SC	FINDS
29210	S127671003		SC DEPT OF CORRECTIONS	4322 BROAD RIVER RD		COLUMBIA	SC	
29210	1012093908	110011734926	SC DC: COLUMBIA #6 (PRECAST)-CLOSED	4322 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	S119122260		WALDEN CORRECTIONAL INSTITUTION	4322 BROAD RIVER RD		COLUMBIA	SC	
29210	1023969035	SCR000784348	SC DEPARTMENT OF CORRECTION	4322 BROAD RIVER RD		COLUMBIA	SC	RCRA-NonGen
29210	1024036987	110070158126	SC DEPARTMENT OF CORRECTION	4322 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	S126294808		SC DEPT OF CORRECTIONS	4322 BROAD RIVER ROAD		COLA	SC	
29210	1004595237		S C DEPT OF CORRECTION/CCI	4322 BROAD RIVER ROAD		COLUMBIA	SC	FTTS
29210	1020893092		DERRICK B O GULF & FUEL OIL SV	4335 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1000271066	110004938024	SCDC DIV OF IND FURNITURE FACTORY	4344 BROAD RIVER RD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S127664454		SLED HEADQUARTERS	4400 BROAD RIVER RD		COLUMBIA	SC	
29210	S127624745		SLED HEADQUARTERS	4400 BROAD RIVER RD		COLUMBIA	SC	
29210	U004291863		SLED	4400 BROAD RIVER RD		COLUMBIA	SC	LUST, UST
29210	1000122045	SCD982097552	SC LAW ENFORCEMENT DIVISION	4400 BROAD RIVER RD		COLUMBIA	SC	RCRAInfo-SQG
29210	S127623024		SLED HEADQUARTERS	4400 BROAD RIVER RD		COLUMBIA	SC	
29210	S127624761		SLED HEADQUARTERS	4400 BROAD RIVER RD		COLUMBIA	SC	
29210	S127665937		SLD HEADQUARTERS	4400 BROAD RIVER RD		COLUMBIA	SC	
29210	S127624792		SLED HEADQUARTERS	4400 BROAD RIVER RD		COLUMBIA	SC	
29210	S127643288		SLED - CUMPUTER ROOM	4400 BROAD RIVER RD		COLUMBIA	SC	
29210	S127624675		SLED HEADQUARTERS	4400 BROAD RIVER RD		COLUMBIA	SC	
29210	S127620515		SLED HEADQUARTERS	4400 BROAD RIVER RD		COLUMBIA	SC	
29210	S127624726		SLED HEADQUARTERS	4400 BROAD RIVER RD		COLUMBIA	SC	
29210	S127624757		SLED HEADQUARTERS	4400 BROAD RIVER RD		COLUMBIA	SC	
29210	1000835470	110004941920	SOUTH CAROLINA LAW ENFORCEMENT	4416 BROAD RIVER RD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	1026638640		SOUTH CAROLINA DEPARTMETN OF COR	4424 BROAD RIVER BLVD		COLUMBIA	SC	PRP
29210	1007228935	110017001279	BROAD RIVER FUELING FACILITY	4424 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	U003619308	18391	BROAD RIVER FUELING FACILITY	4424 BROAD RIVER RD		COLUMBIA	SC	UST
29210	U003604122	18422	SC COMPUTER DATA CENTER	4430 BROAD RIVER RD		COLUMBIA	SC	UST
29210	U003522958	7375	KIRKLAND CORRECTIONAL INST	4444 BROAD RIVER RD		COLUMBIA	SC	GWCI, LUST, UST
29210	1026638620		SOUTH CAROLINA DEPARTMENT OF COR	4444 BROAD RIVER RD		COLUMBIA	SC	PRP
29210	1007241910	110017136071	SC DEPT OF CORRECTIONS - WOMEN S C	4450 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	1012093395	110038800508	RM DESIGN INC COLUMBIA	4460 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	1000244826	110002178740	SC DEPT CORRECTIONS BRCI DIV OF INC	4460 BROAD RIVER RD		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	S127645938		CAMBELL PRE-RELEASE CENTER- TRAILI	4530 BROAD RIVER RD		COLUMBIA	SC	
29210	S126294914		CAMPBELL PRE-RELEASE PRISON CAFET	4530 BROAD RIVER RD		COLUMBIA	SC	
29210	S126294916		CAMPBELL PRE-RELEASE PRISON WEST	4530 BROAD RIVER RD		COLUMBIA	SC	
29210	S126294915		CAMPBELL PRE-RELEASE PRISON ADMIN	4530 BROAD RIVER RD		COLUMBIA	SC	
29210	S126294913		CAMPBELL PRE-RELEASE PRISON EAST '	4530 BROAD RIVER RD		COLUMBIA	SC	
29210	S126293266		4530 BROAD RIVER CAMPBELL PRC	4530 BROAD RIVER RD		COLUMBIA	SC	
29210	1007234217	110017055899	SC DEPT OF CORRECTIONS HEADQUART	4542 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	S120982231		STEVENSON CORRECTION INSTITUTE - T	4546 BROAD RIVER RD		COLUMBIA	SC	
29210	S127667165		SC DOC - STEVENSON CORRECTIONS - A	4546 BROAD RIVER RD		COLUMBIA	SC	
29210	S127629284		SCE&G - BURTON STATION	4546 BROAD RIVER RD		COLUMBIA	SC	
29210	S120982298		STEVENSON CORRECTION INSTITUTE - M	4546 BROAD RIVER RD		COLUMBIA	SC	
29210	S127663998		STEVENSON CORRECTIONS ADMIN BLDC	4546 BROAD RIVER RD		COLUMBIA	SC	
29210	1019952440		CHAPIN DRY CLEANERS	4611 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Cleaners
29210	S127628334		MINOES LAUNDROMAT	4645 BROAD RIVER RD		COLUMBIA	SC	
29210	S127632989		MINOES LAUNDROMAT	4645 BROAD RIVER RD		COLUMBIA	SC	
29210	1007241050	110017127143	SC DEPT OF JUVENILE JUSTICE	4650 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	1004780576	SCD987584208	COLONY STATION AUTO REPAIR	4709 BROAD RIVER ROAD BLDG A		COLUMBIA	SC	RCRA-CESQG
29210	S119116231		SCDJJ - ROSEWOOD BLDG	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127671704		SC DEPT OF JUVENILE JUSTICE JOHN J F	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127632825		SC DEPT OF JUVENILE JUSTICE MAINTEN	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127659569		DJJ - OAK DORMITORY	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S119109900		DJJ - GAMMA DORM	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127655238		HICKORY DORM # 3006 DEPARTMENT OF	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127623618		GOLDSMITH BUILDING 3001	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	1011924277	110037443255	SOUTH CAROLINA DEPARTMENT OF JUVI	4900 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	S127632947		DJJ WILLOW LANES OPERATION OFFICE	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127657465		SIGMA 2005 & DELTA 2004 DORMS ONE S	4900 BROAD RIVER RD		COLUMBIA	SC	

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S119114752		SMU BUILDING	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S119109899		DJJ - ALPHA DORM	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	1011491100	SCR000769984	SOUTH CAROLINA DEPARTMENT OF JUVI	4900 BROAD RIVER RD		COLUMBIA	SC	RCRA-NonGen
29210	S119114223		SC DJJ - SANTEE BLDG - ROOM 7B	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127626987		SCDJJ HICKORY DORM	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127664135		BUILDING 4002 - SANTEE BUILDING	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127668124		SC DJJ - ALPHA GAMMA DORM	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S119120424		SANTEE BLDG 4002 (BIRCHWOOD CAMPL	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127658095		PINE #3005 &ELM #3004 DORMS - JOHN G	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S119116545		DJJ - BLDG 2015	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127662640		BIRCHWOOD VOCATIONAL BLDG 4010	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127659570		DJJ - CEDAR DORMITORY	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S119120617		WILLOW LANE OMEGA	4900 BROAD RIVER RD		COLUMBIA	SC	
29210	S127636373		BIRCHWOOD HIGH SCHOOL	5000 BROAD RIVER RD		COLUMBIA	SC	
29210	S127624221		OMEGA DORM	5000 BROAD RIVER RD		COLUMBIA	SC	
29210	S127659040		SC DJJ BUILDING 2006	5000 BROAD RIVER RD		COLUMBIA	SC	
29210	U002323631	17196	SC DEPT OF JUVENILE JUSTICE	5000 BROAD RIVER RD		COLUMBIA	SC	LUST, UST
29210	1007239060	110017106219	SC DEPT OF JUVENILE JUSTICE	5000 BROAD RIVER RD		COLUMBIA	SC	FINDS
29210	1004592813	110004936892	SC CRIMINAL JUSTICE ACADEMY	5400 BROAD RIVER RD		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	S127625985		CRIMINAL JUSTICE ACADEMY CAFE HALL	5410 BROAD RIVER RD		COLUMBIA	SC	
29210	S127625464		CRIMINAL JUSTICE ACADEMY- HALL OF F	5410 BROAD RIVER RD		COLUMBIA	SC	
29210	U004019367	7360	COLUMBIA PAINT SHOP- 3609-21	5500 BROAD RIVER ROAD		COLUMBIA	SC	LUST, UST
29210	S127641454		CENTRAL WAREHOUSE	5900 BROAD RIVER RD	**	COLUMBIA	SC	
29210	S127637443		SC DEPT OF JUVENILE JUSTICE CONGAR	5900 BROAD RIVER RD	**	COLUMBIA	SC	
29210	S127643396		SC DEPT OF JUVENILE JUSTICE - BIRCHV	5900 BROAD RIVER RD	**	COLUMBIA	SC	
29210	S127639232		SC DEPT OF JUVENILE JUSTICE	5900 BROAD RIVER RD	**	COLUMBIA	SC	
29210	S127631395		SC DEPT OF JUVENILE JUSTICE MOULTR	5900 BROAD RIVER RD	**	COLUMBIA	SC	
29210	S127637444		SC DEPT OF JUVENILE JUSTICE KEOWEE	5900 BROAD RIVER RD	**	COLUMBIA	SC	
29210	1000163237	110004940707	MIDLANDS MAZDA COLUMBIA GROUP	655 BROAD RIVER RD		COLUMBIA	SC	RCRAInfo-SQG, FINDS
29210	1026629888		PULLIAM-WRAY MAZDA/VOLKSWAGON	655 BROAD RIVER ROAD		COLUMBIA	SC	PRP
29210	1021405701		ST ANDREWS AMERICAN	725 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	U004226547		WRAY AUTOMOTIVE PROPERTY	725 BROAD RIVER RD		COLUMBIA	SC	LUST, UST
29210	1007226303	110016974363	DORIS DERRICK PROPERTY	8025 BROAD RIVER ROAD		COLUMBIA	SC	FINDS
29210	1020967069		PANTRY INC	806 BROAD RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127669720		US POST OFFICE	91 BROAD ST		CHARLESTON	SC	
29210	1007245709	110017175778	TEXACO SERVICE	BROAD RIVER & I 20		COLUMBIA	SC	FINDS
29210	1007227100	110016982470	GULF SERVICE STATION	BROAD RIVER & YOUNG		COLUMBIA	SC	FINDS
29210	1007224276	110016953126	SC DEPT OF CORRECTIONS BROAD RIVE	BROAD RIVER ABATT	**	COLUMBIA	SC	FINDS
29210	S127642853		DEPT OF JUVENILE JUSTICE MAIN CAMPI	BROAD RIVER RD	**	COLUMBIA	SC	
29210	S127670751		SC DEPT OF JUVENILE JUSTICE - JGR & V	BROAD RIVER RD	**	COLUMBIA	SC	
29210	1021608918		SOUTH CAROLINA ARMOUR OIL INC	BROAD RIVER RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	S127627174		SANTEE BUILDING	BROAD RIVER RD	**	COLUMBIA	SC	
29210	S127623591		WILLOW LANE CANOPY	BROAD RIVER RD CAMPUS	**	COLUMBIA	SC	
29210	1000449069	110004940841	FAST FARE SC-609	4240 BROADRIVER RD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S127633576		SC FORESTRY COMMISSION	5500 BROADRIVER RD		COLUMBIA	SC	
29210	S123163304		HOUSE	3414 BRONTE RD		COLUMBIA	SC	
29210	S126293932		3543 BRONTE RD - REAPPLICATION	3543 BRONTE RD		COLUMBIA	SC	
29210	S126293840		HOUSE	3544 BRONTE RD		COLUMBIA	SC	
29210	S126295069		HOUSE	3544 BRONTE RD		COLUMBIA	SC	
29210	S127559938			138 BROOK PINES DR (APT 4301)		COLUMBIA	SC	CDL
29210	S127642150		BROOK PINES APARTMENTS 25 UNITS	169 BROOK PINES DR		COLUMBIA	SC	
29210	1007255854	110017287648	UNIVERSITY OF SOUTH CAROLINA WATE	202 BROWNING LN		COLUMBIA	SC	FINDS
29210	1007228326	110016995108	COLUMBIA WATER SKI CLUB	202 BROWNING LN		COLUMBIA	SC	FINDS
29210	S116710365			100 BRYTON TRACE		COLUMBIA	SC	CDL
29210	S127617138		SCDHEC	2600 BULL STREET		COLUMBIA	SC	
29210	S127559983			1776 BURNING TREE RD		COLUMBIA	SC	CDL
29210	S127649948		FORMER A PAWS PARADISE	1787 BURNING TREE DR		COLUMBIA	SC	
29210	S127623940		PAWS PARADEISE DOG DAYCARE & BOA	1787 BURNING TREE DR		COLUMBIA	SC	
29210	1012135163	110039161108	AMERICA'S HOME PLACE OFFICE/DISPLA	BURNING TREE ROAD NEAR INTERSECTI		COLUMBIA	SC	FINDS
29210	1020399767		BARNHILL AUTOMOTIVE	1 BUSH RIVER CT		COLUMBIA	SC	EDR Historical Auto Stations
29210	1020653371		BAUGHMANS 66 SERVICE	1-26 AT BUSH RIVER	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1021420821		BAUGHMANS 66 SERVICE	1-26 AT BUSH RIVER	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1007232711	110017040236	EXXON 4 3466	1033 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	1020175275		EXXON CORPORATION	1033 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S113669115		DAYS INN - DEMO IN PLACE	1144 BUSH RIVER RD		COLUMBIA	SC	CDL
29210	S127632543		SUPER 8	1144 BUSH RIVER RD		COLUMBIA	SC	
29210	S127559882			1144 BUSH RIVER RD (DAYS INN)		COLUMBIA	SC	CDL
29210	1020372806		SMITHS GULF STATION	1200 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	U004256683		PORT UNIT 87	1203 BUSH RIVER RD		COLUMBIA	SC	UST
29210	1007239366	110017109369	SUNOCO 0689-2798/COOP2636	1203 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	U003619489	10618	SUNOCO 0689 2798 COOP2636	1203 BUSH RIVER RD		COLUMBIA	SC	GWCI, UIC, RCR, LUST, UST
29210	1020145690		SPEEDWAY SUPERAMERICA LLC	1203 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1021191619		RACETRAC PETROLEUM INC	1204 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1022020439		BAUGHMANS 66 SERVICE	1208 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	U003521078	7755	SPEEDWAY 221	1301 BUSH RIVER RD		COLUMBIA	SC	GWCI, RCR
29210	U004256682		SPEEDWAY 221	1301 BUSH RIVER RD		COLUMBIA	SC	LUST, UST
29210	1021643349		PORT OIL #221	1301 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1007834763	110019987530	CITY GAS & FOOD INC	1301 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	1010437080	110031354139	WALMART SUPERCENTER 4379	1326 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	1010332015	SCR000768812	WALMART SUPERCENTER 4379	1326 BUSH RIVER RD		COLUMBIA	SC	RCRA-NonGen
29210	1020452202		MURPHY OIL USA INC	1330 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	U004117041		MURPHY USA 7460	1330 BUSH RIVER RD		COLUMBIA	SC	UST
29210	1007257919	110017308992	STEPHEN F LINDER DMD-BUSH RIVER	1510 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	S119116835		VACANT BLDG	1540 BUSH RIVER RD		COLUMBIA	SC	
29210	S119111033		VACANT STRUCTURE	1540 BUSH RIVER RD		COLUMBIA	SC	
29210	1007248576	110017205246	E A SERVICES INC	1610 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	S116550010		WOODLAND HILLS WEST SD	1610 BUSH RIVER RD		COLUMBIA	SC	NPDES
29210	1017790735	110002188908	BELLSOUTH TELECOMMUNICATIONS INC	1731 BUSH RIVER RD , ROOM B 103		COLUMBIA	SC	FINDS
29210	1007835366	110019993569	KNIGHTS INN	1803 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	S111100304			1803 BUSH RIVER RD		COLUMBIA	SC	CDL
29210	U003666046	10816	PANTRY 3260 DBA DEPOT	1900 BUSH RIVER RD		COLUMBIA	SC	GWCI, RCR, LUST, UST
29210	1021722902		PANTRY INC	1900 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1000461884	110002244544	EXXON CO. USA #40421	1900 BUSH RIVER ROAD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	U004334287		MURPHY EXPRESS 8924	201 BUSH RIVER RD		COLUMBIA	SC	UST
29210	U003666043	11165	CIRCLE K 2705140	2201 BUSH RIVER RD		COLUMBIA	SC	GWCI, RCR, LUST, UST
29210	1021642261		CIRCLE K STORES INC	2201 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1004780541	110007836477	BP OIL-SITE #24223	2201 BUSH RIVER RD & 1-20		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S127633129		WOODLAND VILLAGE APTS 808	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127656901		WOODLAND VILLAGE APT 100	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127672425		WOODLAND VILLAGE LAUNDRY BUILDING	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127672289		WOODLAND VILLAGE APT 122	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633128		WOODLAND VILLAGE APT 805	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633125		WOODLAND VILLAGE APT 138	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633127		WOODLAND VILLAGE APT 318	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633124		WOODLAND VILLAGE APT 126	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633130		WOODLAND VILLAGE APT 813	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127656910		WOODLAND VILLAGE APT 115	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633264		WOODLAND VILLAGE	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633133		WOODLAND VILLAGE APT 910	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127672182		APARTMENT 102	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127672294		WOODLAND VILLAGE APTS 104	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127656903		WOODLAND VILLAGE APT 836	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633132		WOODLAND VILLAGE APT 852	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633135		WOODLAND VILLAGE APT LAUNDRY RM	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633136		WOODLAND VILLAGE APT LEASING OFFIC	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127656907		WOODLAND VILLAGE APT 100 -CANCELEI	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127664749		WOODLAND VILLAGE-MULTIPLE APARTM	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633131		WOODLAND VILLAGE APT 828	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127672291		WOODLAND VILLAGE APT 104	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127672292		WOODLAND VILLAGE APT 105	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127656902		WOODLAND VILLAGE APT 107	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633126		WOODLAND VILLAGE APT 225	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127656909		WOODLAND VILLAGE APT 111	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	S127633134		WOODLAND VILLAGE APT 929	2221 BUSH RIVER RD		COLUMBIA	SC	
29210	1010169378	110030478061	WOODLAND VILLAGE	2221 BUSH RIVER ROAD		COLUMBIA	SC	FINDS
29210	S127630042		ST ANDREWS BAPTIST CHURCH	230 BUSH RIVER RD		COLUMBIA	SC	

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S119118811		ST ANDREWS BAPTIST CHURCH	230 BUSH RIVER ROAD		COLUMBIA	SC	
29210	1004780499	110002190897	WESTERN AUTO	249 BUSH RIVER ROAD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S127469795		ADVANCED AUTO PARTS 105353	249 BUSH RIVER ROAD		COLUMBIA	SC	
29210	1007258746	110017317919	CHRISTIAN LIFE ASSEMBLY	2700 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	1007228560	110016997473	STURKIE PROPERTY	3512 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	U003525677	18204	STURKIE PROPERTY	3512 BUSH RIVER RD		COLUMBIA	SC	LUST, UST
29210	1021626143		PANTRY INC	3516 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1007258035	110017310275	MATIN CHIROPRACTIC GROUP	3525 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	1007241893	110017135900	WILLIAM B FARRAR DDS	3527 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	1020394672		CARPENTERS KWIK STOP INC	3636 BUSH RIVER ROAD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127665586		CLOISTERS OF WHITEHALL - C-6	3700 BUSH RIVER RD		COLUMBIA	SC	
29210	S127665142		APARTMENT COMPLEX - BLDG I-3	3700 BUSH RIVER RD		COLUMBIA	SC	
29210	S127469860		3700 BUSH RIVER RD - MCCONVILLE	3700 BUSH RIVER RD UNIT G 2		COLUMBIA	SC	
29210	S127639540		BB&T BANK BLDG	420 BUSH RIVER RD		COLUMBIA	SC	
29210	S127618312		DUTCH SQUARE CENTER; SPACE 124	421 BUSH RIVER RD		COLUMBIA	SC	
29210	S127655742		DUTCH SQUARE VACANT INTERIOR MALL	421 BUSH RIVER RD		COLUMBIA	SC	
29210	S107520947		BRITE CLEANERS	422 BUSH RIVER RD UNIT 1	K, South, 1/2 - 1	COLUMBIA	SC	BROWNFIELDS, VCP, SHWS
29210	S107599677		BRITE CLEANERS	422 BUSH RIVER RD/1441-A COLONIAL LIF	K, South, 1/2 - 1	COLUMBIA	SC	SHWS
29210	1004780455	SCD987578903	MCCLEAN'S CLEANERS	422 BUSH RIVER ROAD UNIT 11		COLUMBIA	SC	RCRA-NonGen
29210	1007231970	110017032628	BEST STOP	5318 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	1007837862	110020018531	HARBOUR LLC	5530 BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	1020627614		BOB FRNKS QCK-AS-A-WNK CAR WSH	601 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127623860		REMINGTON COLLEGE	607 BUSH RIVER RD		COLUMBIA	SC	
29210	S127663639		FORMER K-MART	607 BUSH RIVER RD		COLUMBIA	SC	
29210	S127659193		K-MART	607 BUSH RIVER RD		COLUMBIA	SC	
29210	S119114119		BUSH RIVER PLAZA	652 BUSH RIVER RD		COLUMBIA	SC	
29210	S127634804		KAILEYS SUITE D, KAILEYS INC	800 BUSH RIVER RD		COLUMBIA	SC	
29210	S127634760		KAILEYS, INC.; SUITE D	800 BUSH RIVER RD		COLUMBIA	SC	
29210	S127659283		FORMER WESTERN INN & SUITES - OFFIC	827 BUSH RIVER RD		COLUMBIA	SC	
29210	S127663746		FORMER WESTERN INN & SUITES NORTH	827 BUSH RIVER RD		COLUMBIA	SC	
29210	S127659285		FORMER WESTERN INN - NORTH WING	827 BUSH RIVER RD		COLUMBIA	SC	
29210	S127663749		FORMER WESTERN INN SUITES OFFICE I	827 BUSH RIVER RD		COLUMBIA	SC	
29210	S127663750		FORMER WESTERN INN & SUITES SOUTH	827 BUSH RIVER RD		COLUMBIA	SC	
29210	S127659284		FORMER WESTERN INN - SOUTH WING	827 BUSH RIVER RD		COLUMBIA	SC	
29210	1020825957		STANS TEXACO SERVICE	830 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127637279		PALMETTO CITIZENS FCU CUSTOMER SE	832 BUSH RIVER RD		COLUMBIA	SC	
29210	1020944486		MUNFORD INC	835 BUSH RIVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	U004256667		MAJIK MARKET 34004	835 BUSH RIVER RD		COLUMBIA	SC	LUST, UST
29210	1012218862	110040510104	BELLSOUTH:COLUMBIA-BUSH RIVER RD	BUSH RIVER RD	**	COLUMBIA	SC	FINDS
29210	1005648549	110007186035	BUSH RIVER UTILITY INC	BUSH RIVER RD	**	COLUMBIA	SC	FINDS
29210	S127620484		OLD BELL SOUTH BUILDING	BUSH RIVER RD	**	COLUMBIA	SC	
29210	1007245729	110017175983	BOBS TEXACO STATION	BUSH RIVER RD & I 26		COLUMBIA	SC	FINDS
29210	1000418306	110002191618	CONTRACT SERVICES INC	3700 BUSHRIVER RD L6		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S127022607		1327 CACTUS AVE	1327 CACTUS AVENUE		COLUMBIA	SC	
29210	S127645353		ST ANDREWS MIDDLE SCHOOL	CAFETERIA & GYM CLASSROOM	**	COLUMBIA	SC	
29210	S126293118		3513 CAIRNBROOK DR LEX CO	3513 CAIRNBROOK DR		COLUMBIA	SC	
29210	S127021672		3609 CAIRNBROOK DR	3609 CAIRNBROOK DR		COLUMBIA	SC	
29210	S126293199		3632 CAIRNBROOK DRIVE	3632 CAIRNBROOK DR		COLUMBIA	SC	
29210	S126293697		3632 CARINBROOK DRIVE	3632 CAIRNBROOK DR		COLUMBIA	SC	
29210	S126293258		3701 CAIRNBROOK COURT	3701 CAIRNBROOK CT		COLUMBIA	SC	
29210	S126293851		ASBESTOS & DEMOLITION	3701 CAIRNBROOK CT		COLUMBIA	SC	
29210	S127618403		MUSC BLDG F PENTHOUSE	280 CALHOUN ST		CHARLESTON	SC	
29210	S127671597		QUAD F - COLLEGE OF PHARMACY 103 -1	280 CALHOUN ST		CHARLESTON	SC	
29210	S127635124		BRIDGE OVER SALUDA RIVER	3405 CALHOUN MEMORIAL HWY		GREENVILLE	SC	
29210	1007243343	110017151099	SPECIALTY IMAGING SERVICES INC	208 CANDI LN STE B		COLUMBIA	SC	FINDS
29210	1010496157	110032624408	BOB CAPES REALTORS	300 CANDI LANE		COLUMBIA	SC	FINDS
29210	S126295068		HOUSE	3513 CARINBROOK DR		COLUMBIA	SC	
29210	S126294552		3609 CARINBROOK DRIVE	3609 CARINBROOK DRIVE		COLUMBIA	SC	
29210	S125920342		HOUSE	3705 CARINBROOK	**	COLUMBIA	SC	
29210	S123163307		HOUSE	3718 CARINBROOK CT		COLUMBIA	SC	
29210	S127635162		COLUMBIA COLLEGE; VACANT HOUSE	910 CAROLA ST		COLUMBIA	SC	
29210	1026884671		MCCALL RA CAMP (SC3970675)-PLANT (B	SOUTH CAROLINA BAPTIST CONVENTION	**	COLUMBIA	SC	
29210	S125920592		RESIDENCE	130 CASTLE RD		COLUMBIA	SC	
29210	S127642000		CAUGHMAN ELEMENTARY SCHOOL	7725 CAUGHMAN RD		COLUMBIA	SC	
29210	S127669901		CAUGHMAN ELEMENTARY	7725 CAUGHMAN RD		COLUMBIA	SC	
29210	S127634101		CAUGHMAN ELEM SCHOOL	7725 CAUGHMAN RD		COLUMBIA	SC	

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	1004781115	110004943198	INTEL CORP COLUMBIA DESIGN CTR	100 CENTER POINT CR SUITE 200		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1021085541		ALLTEL MOBIL COMMUNICATNS CO	2000 CENTER POINT BLVD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1022132580		ALLTEL MOBIL COMMUNICATNS CO	2000 CENTER POINT RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1008202620	110020999017	SOUTHBROOK DEVELOPMENT INC	2000 CENTER PT LN STE 2100		COLUMBIA	SC	FINDS
29210	2013048120			206 CHARBONNEAU DRIVE		COLUMBIA	SC	ERNS
29210	S127469844		236 CHICOPEE DRIVE- SCDOT HOUSES	236 CHICOPEE DR		COLUMBIA	SC	
29210	S127616515		236 CHICOPEE DR - SCDOT	236 CHICOPEE DR		COLUMBIA	SC	
29210	1021972192		TRUCK STOP	112 CHIPPENHAM CIR		COLUMBIA	SC	EDR Historical Auto Stations
29210	1007837870	110020018611	BOULEVARD PARTNERS	C/O CIVIL ENGINEERING	**	COLUMBIA	SC	FINDS
29210	1007835060	110019990508	LAMPLIGHTER VILLAGE	1117 CLOISTER DR		COLUMBIA	SC	FINDS
29210	1000361671	SCD982117558	CARRIER SERVICE CENTER	BA CLUSTER COURT		COLUMBIA	SC	RCRA-NonGen
29210	1007228437	110016996232	DAIL CHIROPRACTIC	13 CLUSTERS CT		COLUMBIA	SC	FINDS
29210	S127667628		COLONIAL LIFE - 3RD FLOOR	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S119116329		COLONIAL LIFE - 4TH FL WEST	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	1007836176	110020001665	COLONIAL LIFE & ACCIDENT INS CO	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	FINDS
29210	S127662763		COLONIAL LIFE BLDG 2ND FLOOR EAST	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127623690		COLONIAL LIFE BUILDING	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127623816		COLONIAL LIFE BUILDING	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127667697		COLONIAL LIFE BLDG - 3RD FL	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S119113506		COLONIAL LIFE BLDG 3RD FL	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127662459		COLONIAL LIFE BUILDING	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127667514		COLONIAL LIFE BLDG - 3RD FL WEST	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127626537		COLONIAL LIFE BLDG STUDIO AREA	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S119115417		COLONIAL LIFE BLDG	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127662329		COLONIAL LIFE BUILDING	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127667542		COLONIAL LIFE BLDG - 3RD FL WEST	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127666135		COLONIAL LIFE BLDG - 1ST FLOOR EAST	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127652403		COLONIAL LIFE BUILDING	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127630182		COLONIAL LIFE BUILDING 3RD FLOOR WF	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S119119041		COLONIAL LIFE BLDG - E GREENVILLE PF	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127626334		COLONIAL LIFE BUILDING	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S119113747		COLONIAL LIFE BLDG - 3RD FLOOR	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S119113569		COLONIAL LIFE BLDG - 3RD FL EAST	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S119115702		COLONIAL LIFE - 3RD FL EAST	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127662856		COLONIAL LIFE BUILDING - 2ND FLOOR 2	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127623802		COLONIAL LIFE BUILDING	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127629660		COLONIAL LIFE BLDG 4TH FLOOR EAST	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S127664688		COLONIAL LIFE BUILDING	1200 COLONIAL LIFE BLVD		COLUMBIA	SC	
29210	S119119957		UNUM COLONIAL LIFE	1200 COLONIAL LIFE BLVD W		COLUMBIA	SC	
29210	S127623954		COLONIAL LIFE BUILDING - 3RD 4TH FLO	122 COLONIAL LIFE BLVD	**	COLUMBIA	SC	
29210	1020027549		LEXINGTON CLEANERS INC	1441A COLONIAL LF BLVD W	**	COLUMBIA	SC	EDR Historical Cleaners
29210	1020027550		LEXINGTON CLEANERS INC	1441A COLONIAL LIFE BLVD		COLUMBIA	SC	EDR Historical Cleaners
29210	1016203546	110004943321	BRITE CLEANERS	1441A COLONIAL LIFE BLVD		COLUMBIA	SC	FINDS
29210	1004781227	SCR000761304	BRITE CLEANERS	1441A COLONIAL LIFE BLVD		COLUMBIA	SC	RCRA-CESQG
29210	1007837605	110020015963	TEC RENTAL PROPERTIES INC	T.E CONNELLY JR.	**	COLUMBIA	SC	FINDS
29210	1021534572		WOLFE JOHN GULF	COR ST ANDREWS RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1009647840			5802 CORLEY ST.		COLUMBIA	SC	DOT OPS
29210	S106133915	1143	SMURFIT-STONE CONTAINER	123 CREWS DRIVE		COLUMBIA	SC	AST
29210	1000311327	SCD981752199	STONE CONTAINER CORP	128 CREWS DR		COLUMBIA	SC	RCRA-NonGen, LUST, UST
29210	S127629895		VEHICLE MAINTENANCE SHOP	128 CREWS DR		COLUMBIA	SC	AIRS
29210	S127658427		MAINTENANCE BUILDING	128 CREWS DR		COLUMBIA	SC	
29210	S127656485		WAREHOUSE	128 CREWS DR		COLUMBIA	SC	
29210	S127644208		SMURFIT STONE	128 CREWS DR		COLUMBIA	SC	
29210	1026032686		DS SMITH PACKAGING - COLUMBIA	128 CREWS DRIVE		COLUMBIA	SC	
29210	1012881875	110044951344	STONE CONTAINER CORPORATION	128 CREWS DRIVE		COLUMBIA	SC	FINDS
29210	1007829018	110019930048	COLUMBIANA LAKES APTS	250 CROSSBOW DR		COLUMBIA	SC	FINDS
29210	1020394676		BRAKE KING INCORPORATED	2220 DECKER BLVD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127621357		JOHN J RICHARDS SMU	DJJ MAIN CAMPUS/ BROAD RIVER RD	**	COLUMBIA	SC	
29210	S127644906		PICKENS DORM	DOJJ SHIVERS RD	**	COLUMBIA	SC	
29210	S127652302		RESIDENCE	4232 DONOVAN DR		COLUMBIA	SC	
29210	1018960811		BRINSONS DRY CLEANERS	DUTCH SQ	**	COLUMBIA	SC	EDR Historical Cleaners
29210	1007236728	110017081922	THE DENTAL TEAM LLC	DUTCH SQUARE CENTER #5		COLUMBIA	SC	FINDS
29210	1007226839	110016979796	FORMER USA SERVICE STATION	DUTCH SQUARE MALL	43, SSW, 1/2 - 1	COLUMBIA	SC	RCR, FINDS
29210	U003930440	16612	FORMER USA SERVICE STATION	DUTCH SQUARE MALL	**	COLUMBIA	SC	GWCI, LUST, UST
29210	S107454503		FMR ED ROBINSON LAUNDRY & DRY CLE	DUTCH SQUARE MALL - NEXT TO A & P S'	40, South, 1/2 - 1	COLUMBIA	SC	SHWS
29210	S127560427			I-126 E	**	COLUMBIA	SC	CDL

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S127662615		HOUSE	1915 ELM ABODE TERRACE		COLUMBIA	SC	
29210	U003878953	18889	PITT STOP 57	1000 ELMWOOD AVE		COLUMBIA	SC	LUST, UST
29210	1007258698	110017317410	S MART 117	1000 ELMWOOD AVE		COLUMBIA	SC	FINDS
29210	S127619835		409 EVELYN DRIVE	409 EVELYN DR		COLUMBIA	SC	
29210	1007836129	110020001193	COLUMBIA POINT LLC	508 EVELYN DR		COLUMBIA	SC	FINDS
29210	S119115275		SALUDA BUILDINGS - SUITES 200 & 215	101 EXECUTIVE CENTER DR		COLUMBIA	SC	
29210	1024598585	110070385978	CONSTRUCTION SPECIALTIES OF COLUI	111 EXECUTIVE POINTE BOULEVARD, SU		COLUMBIA	SC	FINDS
29210	1004781144	SCR000075721	SCDOT COLUMBIA EXIT 72	EXIT 72 I-20 OVER SC 555	**	COLUMBIA	SC	RCRA-NonGen
29210	1016203544	110004943278	SCDOT COLUMBIA EXIT 72	EXIT 72 I-20 OVER SC 555	**	COLUMBIA	SC	FINDS
29210	S127616546		1836 FAIRHAVEN DR - SCDOT	1836 FAIRHAVEN DR		COLUMBIA	SC	
29210	S127469887		1836 FAIRHAVEN DRIVE-SCDOT HOUSES	1836 FAIRHAVEN DRIVE		COLUMBIA	SC	
29210	S127022587		744 FAIRWAY LANE, COLUMBIA, MURDOC	744 FAIRWAY LN		COLUMBIA	SC	
29210	S127669538		THE FARRINGTON APTS; APTS J & K	1512 FARRINGTON WAY		COLUMBIA	SC	
29210	S127649935		FARRINGTON APARTMENTS - BLDG 1504,	1513 FARRINGTON WAY		COLUMBIA	SC	
29210	S127647633		THE FARRINGTON	1513 FARRINGTON WAY		COLUMBIA	SC	
29210	1022008874		TRANSMISSIONS PLUS	4724 FAULKLAND RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127642401		RESIDENCE	107 FERGUSON ST		GREENVILLE	SC	
29210	S127670678		RESIDENCE	107 FERGUSON ST		GREENVILLE	SC	
29210	1000407511	110002243162	SOUTHEASTERN WASTE MANAGEMENT (	3500 FERNANDINA RD. #B2		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	1007226654	110016977921	BROAD RIVER REGIONALWWTP	3506 FERNANDINA RD		COLUMBIA	SC	FINDS
29210	1007831403	110019953932	RICHLAND CO EASTOVER REG WWTP	3506 FERNANDINA RD		COLUMBIA	SC	FINDS
29210	S118177901		RICHLAND CO/HOLLINGSLED CREEK	3506 FERNANDINA RD		COLUMBIA	SC	NPDES
29210	1007836187	110020001772	BB&B BUILDERS	3506 FERNANDINA RD		COLUMBIA	SC	FINDS
29210	1007837649	110020016409	COLUMBIA LAND COMPANY LLC	3608 FERNANDINA RD		COLUMBIA	SC	FINDS
29210	1020519894		VALK OIL CORP	3624 FERNANDINA RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127638777		HOLIDAY KAMPER & BOATS	3630 FERNANDINA RD		COLUMBIA	SC	
29210	1000267204	110002244651	DICK SMITH NISSAN	3650 FERNANDINA RD.		COLUMBIA	SC	ICIS, RCRAInfo-SQG, FINDS
29210	1016170183	110055947757	DICK SMITH PAINT AND BODY SHOP AND	3650 FERNANDINA ROAD		COLUMBIA	SC	RCRAInfo-SQG, FINDS
29210	S127637447		DICK SMITH MOTORS USED CAR OFFICE	3670 FERNANDINA RD		COLUMBIA	SC	
29210	S127022062		FLOOR AND DECOR - COLUMBIA, SC	3700 FERNANDINA RD		COLUMBIA	SC	
29210	S127022818		FLOOR AND DECOR - COLUMBIA, SC	3700 FERNANDINA RD		COLUMBIA	SC	
29210	1004780621	SCD987588282	HAMPTON AUTOMOTIVE	3700 FERNANDINA RD		COLUMBIA	SC	
29210	1016120051	110002313559	HAMPTON AUTOMOTIVE INCORPORATEC	3700 FERNANDINA ROAD		COLUMBIA	SC	RCRA-CESQG
29210	1026601149		HANSON AGGREGATES SOUTHEAST, LLC	3700 FERNANDINA ROAD		COLUMBIA	SC	ICIS, FINDS
29210	1007243735	110017155148	CENTEX HOMES	3740 FERNANDINA RD STE A		COLUMBIA	SC	PRP
29210	1016976282	SCR000778076	PALMETTO STATE ARMORY	3760 FERNANDINA RD		COLUMBIA	SC	FINDS
29210	1016899347	110060240662	PALMETTO STATE ARMORY	3760 FERNANDINA RD		COLUMBIA	SC	RCRAInfo-SQG
29210	1009326248	110024532692	NORTHERN TOOL AND EQUIPMENT	4040 FERNANDINA RD		COLUMBIA	SC	FINDS
29210	1000428148	SCD039286315	INDUSTRIAL SYSTEMS CORP	4046-C FERNANDINA RD		COLUMBIA	SC	FINDS
29210	S127623079		US ARMY BUILDING 2340	FORT JACKSON	**	COLUMBIA	SC	RCRA-NonGen
29210	S127642270		FORT JACKSON BLDG 2230 - CAFETERIA	FORT JACKSON	**	COLUMBIA	SC	
29210	S127469886		418 GALE DRIVE- SCDOT HOUSES	418 GALE DR		COLUMBIA	SC	
29210	S127616579		418 GALE DR - SCDOT	418 GALE DR		COLUMBIA	SC	
29210	S127616566		420 GALE DR - SCDOT	420 GALE DR		COLUMBIA	SC	
29210	S127617014		420 GALE DRIVE-SCDOT HOUSES	420 GALE DR		COLUMBIA	SC	
29210	S127616547		436 GALE DR - SCDOT	436 GALE DR		COLUMBIA	SC	
29210	S127469802		436 GALE DRIVE-SCDOT HOUSES	436 GALE DR		COLUMBIA	SC	
29210	S117406072			1335 GARNER LN		COLUMBIA	SC	CDL
29210	S123162378		POOL HOUSE	1337 GARNER LN		COLUMBIA	SC	
29210	1007244730	110017165510	BUILDERS ONE CORP	1341 GARNER LN STE 201		COLUMBIA	SC	FINDS
29210	1007243393	110017151641	PHA ENVIRONMENTAL RESTORATION INC	1345 GARNER LN		COLUMBIA	SC	FINDS
29210	1020317890		CROWN CENTRAL PETROLEUM CORP	1345 GARNER LN		COLUMBIA	SC	EDR Historical Auto Stations
29210	1007832184	110019961718	D R HORTON INC	1345 GARNER LN STE 201A		COLUMBIA	SC	FINDS
29210	1021510310		CROWN CENTRAL PETROLEUM CORP	135 GARNER LN	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1004781209	110002234074	LOWES OF S E COLUMBIA 1064	7420 GARNERS FERRY RD		COLUMBIA	SC	RCRAInfo-SQG, FINDS
29210	S127640271		FORT JACKSON RESIDENCE	5853C GASKINS		COLUMBIA	SC	
29210	S127652384		SOUTH CAROLINA SUPREME COURT BAS	1231 GERVAIS ST		COLUMBIA	SC	
29210	2007825007			500 GRACERN ROAD		COLUMBIA	SC	
29210	1005791593	110002181905	US GEOLOGICAL SURVEY	720 GRACERN RD		COLUMBIA	SC	ERNS
29210	1012188341	SCR000771014	HONEYWELL INTERNATIONAL AEROSPAC	720 GRACERN RD STE 116		COLUMBIA	SC	FINDS
29210	1012109668	110038911256	HONEYWELL INTERNATIONAL AEROSPAC	720 GRACERN RD STE 116		COLUMBIA	SC	RCRA-NonGen
29210	1007241438	110017131156	LAW ENGINEERING INC	720 GRACERN RD STE 132		COLUMBIA	SC	FINDS
29210	1007259679	110017327490	MACTEC ENGINEERING AND CONSULTIN	720 GRACERN RD STE 132		COLUMBIA	SC	FINDS
29210	1000361672	110002245124	CARRIER CORPORATION	720 GRACERN RD. SUITE 101		COLUMBIA	SC	FINDS
29210	S119116785		THREE RIVERS APTS - APT 116	900 GRACERN RD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	1000246583	110002243983	KONICA BUSINESS MACHINES USA INC	955 GRACERN ROAD		COLUMBIA	SC	RCRA-CESQG, FINDS

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	1026588645		DODGELAND OF COLUMBIA	190 GRAYSTONE BLVD		COLUMBIA	SC	PRP
29210	1000141658	110002243812	NAPA AUTO PARTS	110 GREYSTONE BLVD.		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	U002234760	17128	CENTRAL ELECTRIC POWER COOP	121 GREYSTONE BLVD		COLUMBIA	SC	UST
29210	1004387565	7482	BOB BENNETT FORD INC	177 GREYSTONE BLVD		COLUMBIA	SC	LUST, UST
29210	1000104654	110002245348	BOB BENNETT FORD INCORPORATED	177 GREYSTONE BLVD		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1014834918	110043555667	CLASSIC FORD OF COLUMBIA	177 GREYSTONE BLVD		COLUMBIA	SC	FINDS
29210	1000138260	110002242984	HONDA CARS OF COLA	178 GREYSTONE BLVD		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	U004019390	7480	HONDA CARS OF COLUMBIA	178 GREYSTONE BLVD		COLUMBIA	SC	LUST, UST
29210	U000483206	7416	GALEANA CHRYSLER JEEP INC	180 GREYSTONE BLVD		COLUMBIA	SC	LUST, UST
29210	1000421408	110002244410	GALEANA CHRYSLER JEEP KIA	180 GREYSTONE BLVD		COLUMBIA	SC	RCRAInfo-SQG, FINDS
29210	1001493874	110002313568	DODGELAND OF COLUMBIA	190 GREYSTONE BLVD		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	1000835532	110002244223	JIM HUDSON AUTO MALL	250 GREYSTONE BLVD		COLUMBIA	SC	RCRA-CESQG, FINDS
29210	S127644643		FORMER NATIONS BANK	293 GREYSTONE BLVD		COLUMBIA	SC	
29210	S127670753		RL BRYAN COMPANY	301 GREYSTONE BLVD		COLUMBIA	SC	
29210	S127631726		THE RL BRYAN COMPANY - PENTHOUSE	301 GREYSTONE BLVD		COLUMBIA	SC	
29210	1000105451	110001670433	PROFESSIONAL PRINTERS INC SITE 2	301 GREYSTONE BLVD		COLUMBIA	SC	AIRS, FINDS, RCRAInfo-LQG
29210	S127624325		RL BRYAN CO BUILDING - 2ND FLOOR HA	301 GREYSTONE BLVD		COLUMBIA	SC	
29210	S127633053		JIM HUDSON HYUNDAI	310 GREYSTONE BLVD		COLUMBIA	SC	
29210	1007228728	110016999177	JIM HUDSON AUTOWORLD	310 GREYSTONE BLVD		COLUMBIA	SC	ICIS, FINDS
29210	S127655928		JIM HUDSON HYUNDAI	310 GREYSTONE BLVD		COLUMBIA	SC	
29210	U003522773	10557	JIM HUDSON AUTOWORLD	310 GREYSTONE BLVD		COLUMBIA	SC	LUST, UST
29210	1007835296	110019992873	BRANDON PROPERTIES LLC	310 GREYSTONE BLVD		COLUMBIA	SC	FINDS
29210	1000431134	110002244955	STIVERS AUTOMOTIVE OF COLUMBIA	320 GREYSTONE BLVD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S127658695		STEEL FRAME BUILDING	320 GREYSTONE BLVD		COLUMBIA	SC	
29210	1007229374	110017005818	MICHAEL P PORTERFIELD DDS	1400 GROVE PARK LN		COLUMBIA	SC	FINDS
29210	S127643340		SC STATE FEDERAL CREDIT UNION - FOF	HARBISON BLVD	**	COLUMBIA	SC	
29210	S127619098		HARBISON WEST ELEMENTARY SCHOOL	HARBISON W ELEMENTARY SCHOOL, 257	**	COLUMBIA	SC	
29210	S123163309		HOUSE	3506 HARROGATE RD		COLUMBIA	SC	
29210	S126294278		3515 HARROGATE ROAD	3515 HARROGATE RD		COLUMBIA	SC	
29210	S126293374		3515 HARROGATE RD - LEX CO FLOOD	3515 HARROGATE RD		COLUMBIA	SC	
29210	S125920841		ASBESTOS AND DEMOLITION INC	3518 HARROGATE RD		COLUMBIA	SC	
29210	S125479499		HOUSE	3601 HARROGATE		COLUMBIA	SC	
29210	S123163308		HOUSE	3632 HARROGATE RD		COLUMBIA	SC	
29210	S125920452		STRUCTURE	3635 HARROGATE RD		COLUMBIA	SC	
29210	S126293176		3700 HARROGATE RD - RE-APPLY	3700 HARROGATE RD		COLUMBIA	SC	
29210	S126295054		ASBESTOS AND DEMOLITION INC	3700 HARROGATE RD		COLUMBIA	SC	
29210	S119119819		TISDALE RESIDENCE	412 HARROW DR		COLUMBIA	SC	
29210	1007228475	110016996624	RADS MOBILE X-RAY AND DIGITAL IMAGII	1310 HAVILAND CIR		COLUMBIA	SC	FINDS
29210	S128050884		DIANE HILTON	2401 HERTFORD DR		COLUMBIA	SC	
29210	S127629079		RESIDENTIAL	2125 HILLBECK DR		COLUMBIA	SC	
29210	1020372784		CASEYS UNION 76 & TRUCK STOP*	HWY I-26	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1021572566		CAROLINA INTERSTATE SERVICE*	HWY I-26 & PINEY GROVE RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1021133933		CAROLINA INTERSTATE SERVICE*	HWY I-26/476	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1020461679		CAROLINA INTERSTATE SERVICE*	HWY I-26/476 PINY GRVE RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1021440350		CAROLINA INTERSTATE SERVICE	HWY I-26/PINEY GROVE ROAD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1004593561	110001992069	JACKSON CR:ASPHALT	100 INDEPENDENCE BLVD		COLUMBIA	SC	FINDS
29210	1016939769		C R JACKSON INC COLUMBIA PLANT	100 INDEPENDENCE BLVD		COLUMBIA	SC	ICIS
29210	S127021529		JACKSON, CR ASPHALT	100 INDEPENDENCE BLVD		COLUMBIA	SC	AIRS
29210	A100163792	902	JACKSON, C.R., CONSTRUCTION	100 INDEPENDENCE BLVD.		COLUMBIA	SC	AST
29210	1026576715		C.R. JACKSON, INC.	100 INDEPENDENCE BLVD.		COLUMBIA	SC	PRP
29210	1026603045		HOBBS, JAMES WILLIAM, II	509 INNSBROOK DRIVE		COLUMBIA	SC	PRP
29210	S127635170		BANK OF AMERICA	1500 S IRBY ST		FLORENCE	SC	
29210	1006811464	110013362182	GREENVIEW ENVIRONMENTAL OF SC	315 JACOB RD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S119120618		HOUSE	220 JAMIL RD		COLUMBIA	SC	
29210	S119119886		LAKEWOOD VILAGE CONDO - UNITS 16, 1	240 JAMIL RD		COLUMBIA	SC	
29210	U004292037		CARMAX 7265	555 JAMIL RD		COLUMBIA	SC	LUST, UST
29210	1007254937	110017277980	CARMAX	555 JAMIL RD		COLUMBIA	SC	FINDS
29210	1007209150	SCR000765313	CARMAX #7265	555 JAMIL RD		COLUMBIA	SC	RCRAInfo-SQG
29210	S127621610		SIGMA DORMITORY	JOHN J RICHARDS MAIN CAMPUS	**	COLUMBIA	SC	
29210	1026632416		RICHARD SCOTT	3643 JUNEAU ROAD		COLUMBIA	SC	PRP
29210	1010342850	110030892899	COLONY EAST	3430 KAY ST		COLUMBIA	SC	FINDS
29210	S127635756		HOUSE	3752- B KNIGHT RD, FORT JACKSON	**	COLUMBIA	SC	
29210	S127635757		HOUSE	3771 H KNIGHT RD, FORT JACKSON		COLUMBIA	SC	
29210	1007831208	110019951952	BROAD RIVER REGIONAL WWTP	KOON BOTTOM RD		COLUMBIA	SC	FINDS
29210	1007234168	110017055407	MARSHALL C FIELDS DMD	1612 LAKE MURRAY BLVD		COLUMBIA	SC	FINDS
29210	S128050855		312 LAMBETH CT - WILLIAMSON	312 LAMBETH CT		COLUMBIA	SC	

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S126293696		JOYNER RESIDENCE	315 LAMBETH CT		COLUMBIA	SC	
29210	S126293556		RICHLAND CO PUBLIC LIBRARY; OPERAT	130 LANCEWOOD RD		COLUMBIA	SC	
29210	1022044318		TELFORD AUTOMATIC TRANSMISSION	19 LANDMARK DR APT 39G		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127469743		320 LAWAND DRIVE	320 LAWAND DRIVE		COLUMBIA	SC	
29210	1007259630	110017326954	VIROGROUP INC	500 LAWAND DR		COLUMBIA	SC	FINDS
29210	S128050524		500 LAWAND DRIVE- JOB#3700-21	500 LAWAND DR		COLUMBIA	SC	
29210	S128050187		500 LAWAND DRIVE - SCDOT #402	500 LAWAND DR		COLUMBIA	SC	
29210	S118178376		YORKSHIRE SD/LEESBURG UTIL CO	LEESBURG UT-6236 ST ANDREWS RD	**	COLUMBIA	SC	NPDES
29210	S127669814		HOUSE	3728 D LEGGE CT, FORT JACKSON	**	COLUMBIA	SC	
29210	1007240513	110017121489	INTEGRATED HEALTH CENTER PC	128 LEISURE LN		COLUMBIA	SC	FINDS
29210	1007229346	110017005532	THOMAS H PITTS DMD	138 LEISURE LN		COLUMBIA	SC	FINDS
29210	1007233938	110017053061	THOMAS F TRINKNER DDS	140 LEISURE LN		COLUMBIA	SC	FINDS
29210	1007227776	110016989366	IRMO CHAPIN RECREATION COMMISSION	200 LEISURE LN		COLUMBIA	SC	FINDS
29210	S127660824		CONCESSION BLDG	200 LEISURE LN SEVEN OAKS PARK		COLUMBIA	SC	
29210	S127022759		631 LEWISHAM RD, COLUMBIA, JOYE	631 LEWISHAM ROAD		COLUMBIA	SC	
29210	S125479506		HOUSE	642 LOCKNEAR RD		COLUMBIA	SC	
29210	S125920879		ASBESTOS AND DEMOLITION INC	706 LOCKNEAR RD		COLUMBIA	SC	
29210	S123163305		HOUSE	648 LOCKNER RD		COLUMBIA	SC	
29210	S125479504		HOUSE	688 LOCKNER RD		COLUMBIA	SC	
29210	S127658333		LEXINGTON STATION APTS BUILDING 5	1800 LONG CREEK DR		COLUMBIA	SC	
29210	S127657856		THE ENCLAVE APARTMENTS	1800 LONG CREEK DR		COLUMBIA	SC	
29210	1007835547	110019995371	THE HOLLOWES APARTMENTS	1300 LONGCREEK DR		COLUMBIA	SC	FINDS
29210	S127616452		1315 LONGCREEK DRIVE #269	1315 LONGCREEK DR		COLUMBIA	SC	
29210	S127469803		1315 LONGCREEK DRIVE-SCDOT HOUSE	1315 LONGCREEK DRIVE		COLUMBIA	SC	
29210	1021504279		TURKI S RESTAURANT & EXXON	1325 LONGCREEK DR		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127632950		THE ASHTON @ LONGCREEK UNIT 801 B	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127671955		THE ASHTON @ LONGCREEK UNIT MAIN	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127653925		THE ASHTON AT LONGCREEK BLDG 602 I	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663872		ASHTON APT 103A	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127632951		THE ASHTON @ LONGCREEK UNIT 801 D	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127671957		THE ASHTON @ LONGCREEK UNIT UNIT :	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663617		ASHTON APARTMENTS (401-B)	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663536		ASHTON APARTMENTS 905A ,904A ,902B	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127632885		THE ASHTON AT LOONGCREEK BUILDING	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663759		ASHTON APT 103-B	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663564		ASHTON APARTMENT 902-A	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127632934		THE ASHTON AT LONGCREEK UNIT 103 F	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127632933		THE ASHTON AT LONGCREEK UNIT 107 D	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663819		ASHTON APT 101A	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127654074		THE ASHTON AT LONGCREEK BUILDING :	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127671888		THE ASHTON BUILDING 806 UNIT A	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127654068		THE ASHTON AT LONGCREEK BUILDING :	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663565		ASHTON APT 905-A	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127632884		THE ASHTON LEASING OFFICE MECH RO	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663614		ASHTON APARTMENTS (703 B)	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127671956		THE ASHTON @ LONGCREEK UNIT UNIT :	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127632887		THE ASHTON AT LONGCREEK BUILDING :	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127653926		THE ASHTON AT LONGCREEK BLDG 102 I	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663855		ASHTON APARTMENTS - 104 - B	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127654059		ASHTON LEASING OFFICE MECHANICAL I	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663818		ASHTON APT 101B	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663615		ASHTON APARTMENTS (501 A)	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663854		ASHTON APARTMENTS - APT 106-A	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663760		ASHTON APT 102-B	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127671954		THE ASHTON @ LONGCREEK UNIT 702 A	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127671897		THE ASHTON AT LONGCREEK BUILDING :	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127653928		THE ASHTON AT LONGCREEK BLDG 903 I	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127671996		THE ASHTON @ LONGCREEK UNIT 605 B	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127632810		ASHTON AT LONGCREEK	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663616		ASHTON APARTMENTS (401-A)	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127653927		THE ASHTON AT LONGCREEK BLDG 901 I	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663758		ASHTON APT 301-A	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127671953		THE ASHTON @ LONGCREEK UNIT 608A	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127632935		THE ASHTON AT LONGCREEK UNIT 107 B	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127662869		THE ASHTON APT 601A	1401 LONGCREEK DR		COLUMBIA	SC	
29210	S127663613		ASHTON APARTMENTS (903-B)	1401 LONGCREEK DR 903 A AND B		COLUMBIA	SC	
29210	1010342849	110030892880	THE ASHTON AT LONGCREEK	1401 LONGCREEK DRIVE		COLUMBIA	SC	FINDS
29210	S119115573		PARK APT UNIT 130	1601 LONGCREEK DR		COLUMBIA	SC	
29210	S127665463		THE PARK APTS - 176, 276, 179, 279	1601 LONGCREEK DR		COLUMBIA	SC	

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29210	S127665074		THE PARK	1601 LONGCREEK DR		COLUMBIA	SC	
29210	2021316272			1601 LONGCREEK DRIVE		COLUMBIA	SC	ERNS
29210	S119119795		VIEW AT LONGCREEK - BLDG 10 - FLOOD	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119280		VIEW AT LONGCREEK - BLDG 9 - FLOOD I	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119195		VIEW AT LONGCREEK APTS - BLDG 4 - FL	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119326		VIEWS AT LONGCREEK - BLDG 5 - APTS N	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119598		VIEW AT LONGCREEK - B10 - FLOOD DAM	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119757		VIEW AT LONCREEK - 11N - FLOOD DAMA	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119668		VIEWS AT LONGCREEK - APT 5Q - FLOOD	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119975		VIEWS AT LONGCREEK - B8 - FLOOD DAM	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119277		VIEW AT LONGCREEK - BLDG 5 - FLOOD I	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119263		THE VIEWS AT LONGCREEK BUILDING 2 -	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119597		VIEWS AT LONGCREEK - B14 - FLOOD DA	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119279		VIEW AT LONGCREEK - BLDG 12 - FLOOD	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119813		VIEWS AT LONGCREEK - 6P - FLOOD DAM	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119812		VIEWS AT LONGCREEK - 13C - FLOOD DA	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119278		VIEW AT LONGCREEK - BLDG 1 - FLOOD I	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119880		VIEWS AT LONGCREEK - 4E - FLOOD DAM	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119976		VIEWS AT LONGCREEK -B7 - FLOOD DAM	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119520		VIEWS AT LONGCREEK - BLDG 3	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119723		VIEW AT LONGCREEK - CLUB HOUSE - FL	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119288		VIEWS ON LONGCREEK BUILDING 1 UNIT	1800 LONGCREEK DR		COLUMBIA	SC	
29210	S119119767		VIEW AT LONGCREEK - 4E - FLOOD DAM	1800 LONGCREEK DR		COLUMBIA	SC	
29210	1018656027		ARNOLDS PROFESSIONAL CLG CTR	2601 MAIN ST		COLUMBIA	SC	EDR Historical Cleaners
29210	S127635130		FORMER QUINCY'S RESTAURANT	3320 N MAIN ST		ANDERSON	SC	
29210	S125479310		LIVINGSTON RESIDENCE	4225 MANDEL DR		COLUMBIA	SC	
29210	S111333713			133 MANORWOOD CT		COLUMBIA	SC	CDL
29210	S128050844		TUBOLINO RESIDENCE	1705 MARLEY DR		COLUMBIA	SC	
29210	S127022633		1716 MARLEY DRIVE, NESBITT	1716 MARLEY DR		COLUMBIA	SC	
29210	1000891159	110002243867	OHM REMEDIATION SERVICES CORP	725 MAUNEY DR		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S127665293		BRIARGATE - 113	113 MENLO DR		COLUMBIA	SC	
29210	S127022849		314 MENLO DR - MCCOY	314 MENLO DR		COLUMBIA	SC	
29210	S119116487		BRIARGATE CONDOS	825 MENLO DR		COLUMBIA	SC	
29210	S119116496		BRIARGATE CONDOS	825 MENLO DR		COLUMBIA	SC	
29210	S119114418		BRIARGATE CONDOS	825 MENLO DR		COLUMBIA	SC	
29210	S127655722		BRIARGATE CONDOMINIUMS UNIT 602	825 MENLO DR		COLUMBIA	SC	
29210	S127655740		BRIARGATE CONDOS UNIT 302	825 MENLO DR		COLUMBIA	SC	
29210	S127650885		BRIARGATE CONDINIUM CLUB	825 MENLO DR		COLUMBIA	SC	
29210	S119117193		BRIARGATE APT BLDG 5	825 MENLO DR		COLUMBIA	SC	
29210	S119121221		BRIARGATE CONDOMINIUMS	825 MENLO DRIVE		COLUMBIA	SC	
29210	S123343942		SINGLE FAMILY HOME	2433 MERRYWOOD RD		COLUMBIA	SC	
29210	S125920488		A&A ASBESTOS ENVIRONMENTAL	2435 MERRYWOOD RD		COLUMBIA	SC	
29210	1007837821	110020018121	MALLACH SISTERS LLC	261 MIDDLESEX RD		COLUMBIA	SC	FINDS
29210	S127022530		295 MIDDLESEX RD	295 MIDDLESEX RD		COLUMBIA	SC	
29210	S118693050			100 MONDAMIN RD		COLUMBIA	SC	CDL
29210	S119120678		3310 MONTCREST ROAD	3310 MONTCREST RD		COLUMBIA	SC	
29210	S127022187		HALL - 34-- MONTCREST ROAD, COLA. SC	3400 MONTCREST RD		COLUMBIA	SC	
29210	1025485432		CGT- GREYSTONE FACILITY	121 MOORE HOPKINS LN		COLUMBIA	SC	
29210	1007245740	110070595552	DOMINION ENERGY CGT LLC GREYSTON	121 MOORE HOPKINS LN		COLUMBIA	SC	FINDS
29210	1025888258	SCR000786350	CGT- GREYSTONE FACILITY	121 MOORE HOPKINS LN		COLUMBIA	SC	RCRA-CESQG
29210	S119118848		CAROLINA GAS TRANSMISSION LLC	121 MOORE-HOPKINS LANE		COLUMBIA	SC	
29210	S127629743		RICHARDSON RESIDENCE	269 MORINGSIDE DR		COLUMBIA	SC	
29210	S118491440			127 MORNINGHILL DR		COLUMBIA	SC	CDL
29210	1007229366	110017005738	AUSTIN B MEARES DMD	1513 MORNINGHILL DR		COLUMBIA	SC	FINDS
29210	S125479318		PHILLIPS RESIDENCE	120 MORNINGSIDE DR		COLUMBIA	SC	
29210	S117884580			189 MORNINGSIDE DR		COLUMBIA	SC	CDL
29210	S127470273		245 MORNINGSIDE DR - ELLIS	245 MORNINGSIDE DR		COLUMBIA	SC	
29210	1007234440	110017058173	YACHT COVE OWNERS ASSOCIATION	C/O MR HENRY MOMAND	**	COLUMBIA	SC	FINDS
29210	2011997477			NEAR 500 WILDLIFE PKWY		COLUMBIA	SC	ERNS
29210	S127470265		27 NOB HILL RD - MOSS	27 NOB HILL RD		COLUMBIA	SC	
29210	S127616867		27 NOB HILL RD - MOSS 2	27 NOB HILL RD		COLUMBIA	SC	
29210	S126293601		STRUCTURE	105 NOTTINGHAM CT		COLUMBIA	SC	
29210	S126293119		105 NOTTINGHAM CT - LEX CO	105 NOTTINGHAM CT		COLUMBIA	SC	
29210	S126294651		225 E NOTTINGHAM RD	225 E NOTTINGHAM RD		COLUMBIA	SC	
29210	S126294883		ASBESTOS AND DEMOLITION INC	409 NOTTINGHAM		COLUMBIA	SC	
29210	S125479471		MCDOWELL RESIDENCE	1545 NUNAMAKER DR		COLUMBIA	SC	
29210	1005854153	110008564026	MUSTARD-COLEMAN CONST CO INC DEA	OFF BUSH RIVER RD	**	COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S127665206		BRIARGATE CONDOS	1202 OLD MANOR RD		COLUMBIA	SC	
29210	S127665207		BRIARGATE CONDOS	1220 OLD MANOR RD		COLUMBIA	SC	
29210	S127665208		BRIARGATE CONDOS	1314 OLD MANOR RD		COLUMBIA	SC	
29210	1004780037	SCD062700273	BROWNING METAL PRODUCTS INC	5311 OLD BUSH RD	**	COLUMBIA	SC	RCRA-NonGen

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	1016120052	110002313639	BROWNING METAL PRODUCTSINC	5311 OLD BUSH ROAD	**	COLUMBIA	SC	FINDS
29210	1007245561	110017174234	APPLETREE LANDSCAPING	5466 OLD BUSH RIVER RD		COLUMBIA	SC	FINDS
29210	U003519030	10834	APPLETREE LANDSCAPING INC	5466 OLD BUSH RIVER RD		COLUMBIA	SC	LUST, UST
29210	S127665292		BRIARGATE - 905	905 OLD MANOR RD		COLUMBIA	SC	
29210	S127665291		BRIARGATE - 906	906 OLD MANOR RD		COLUMBIA	SC	
29210	S127665290		BRIARGATE - 921	921 OLD MANOR RD		COLUMBIA	SC	
29210	1007229375	110017005827	ST ANDREWS ANIMAL CLINIC	1330 OMAREST DR		COLUMBIA	SC	FINDS
29210	1007241268	110017129392	SHIMMY'S POND INC	1549 OMAREST DR		COLUMBIA	SC	FINDS
29210	S125479573		RESIDENCE	1733 OMAREST DR		COLUMBIA	SC	
29210	S125479369		HEATH RESIDENCE - 2 BEDROOMS AND 1	1757 OMAREST DR		COLUMBIA	SC	
29210	1014961310	SCR000775130	CVS PHARMACY 4156	100 OUTLET POINT BLVD	**	COLUMBIA	SC	RCRA-CESQG
29210	1026425647	110070754687	CVS PHARMACY 4156	100 OUTLET POINT BLVD	**	COLUMBIA	SC	FINDS
29210	1016037054	110045991067	CVS PHARMACY 4156	100 OUTLET POINT BLVD		COLUMBIA	SC	FINDS
29210	1007256892	110017298280	T C STEWART JR DDS	212 OUTLET POINT BLVD		COLUMBIA	SC	FINDS
29210	1026565555		ALCHEM-TRON, INC.	220 OUTLET POINTE BOULEVARD		COLUMBIA	SC	PRP
29210	1026611355		LIDLAW ENVIRONMENTAL SERVICES (T)	220 OUTLET POINTE BOULEVARD		COLUMBIA	SC	PRP
29210	1026599962		GSX CHEMICAL SERVICES OF OHIO, INC.	220 OUTLET POINTE BOULEVARD		COLUMBIA	SC	PRP
29210	S127630834		HOUSE -PROJECT CANCELLED-	6906 B OWEN RD, FORT JACKSON	**	COLUMBIA	SC	
29210	S127469845		301 PARIS ROAD-SCDOT HOUSES	301 PARIS DRIVE		COLUMBIA	SC	
29210	S128050167		301 PARIS RD - SCDOT	301 PARIS RD		COLUMBIA	SC	
29210	1007232211	110017035091	BNP INC	101 W PASSAGE		COLUMBIA	SC	FINDS
29210	S127635131		VACANT HOUSE	1604 PEARMAN DAIRY RD		ANDERSON	SC	
29210	S127632820		WEST SIDE HIGH	806 PEARMAN DAIRY RD		ANDERSON	SC	
29210	S119117888		WESTSIDE HIGH SCHOOL BUILDING 600	806 PEARMAN DAIRY RD		ANDERSON	SC	
29210	S119117887		WESTSIDE HIGH SCHOOL BUILDING 400	806 PEARMAN DAIRY RD		ANDERSON	SC	
29210	S127671542		WESTSIDE HIGH SCHOOL - MECHANICAL	806 PEARMAN DAIRY RD		ANDERSON	SC	
29210	S127630724		WESTSIDE HIGH SCHOOL; 2ND FLOOR MI	806 PEARMAN DAIRY RD		ANDERSON	SC	
29210	S119117917		WESTSIDE HIGH SCHOOL	806 PEARMAN DAIRY RD		ANDERSON	SC	
29210	S119117886		WESTSIDE HIGH SCHOOL - BUILDING 200	806 PEARMAN DAIRY RD		ANDERSON	SC	
29210	1020315720		GILES ESSO STATION	1-26 & PINEY GROVE	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1021840265		GILES EXXON SERVICE	1-26 & PINEY GROVE	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1021472802		CASEYS UNION 76 AT & TRCK STP*	1-26 & PINEY GROVE RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1021586006		CASEYS UNION 76 AT & TRCK STP*	1-26 & PINEY GROVE RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1016185469	110002313504	SEVEN OAKS AUTO REPAIR AND TIRES IN	103 1/2 PINEY GROVE ROAD		COLUMBIA	SC	FINDS
29210	1000575733	SCD987581642	SEVEN OAKS AUTO REPAIR & TIRES INC	103 PINEY GROVE ROAD		COLUMBIA	SC	RCRA-CESQG
29210	1024598593	110070385986	SOUTHERN SIDING	104 PINEY GROVE ROAD		COLUMBIA	SC	FINDS
29210	S127628525		LEAPHART ELEMENTARY	120 PINEY GROVE RD		COLUMBIA	SC	
29210	S127627756		LEAPART ELEMENTARY ROOF	120 PINEY GROVE RD		COLUMBIA	SC	
29210	S127628025		LEAHART ELEMENTARY SCHOOL MUSIC	120 PINEY GROVE RD		COLUMBIA	SC	
29210	U003508431	18387	LEAPHART ELEMENTARY SCHOOL	120 PINEY GROVE RD		COLUMBIA	SC	UST
29210	S127628526		LEAPART ELEMENTARY SCHOOL	120 PINEY GROVE RD		COLUMBIA	SC	
29210	S127628529		LEAPART ELEMENTARY SCHOOL	120 PINEY GROVE RD		COLUMBIA	SC	
29210	1001405330	110002311579	LEAPHEART ELEMENTARY SCHOOL	120 PINEY GROVE ROAD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	1007837716	110020017079	LEXINGTON BUILDERS INC	1204 PINEY GROVE RD		COLUMBIA	SC	FINDS
29210	1021663489		CHUCKS GULF VALVE CENTER	1903 PINEY GROVE RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1022012430		CHUCKS GULF VALUE CENTER	1903 PINEY GROVE ROAD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	S123163168		FISCHER RESIDENCE	241 PINEY GROVE RD		COLUMBIA	SC	
29210	S126294268		255 PINEY GROVE RD	255 PINEY GROVE RD		COLUMBIA	SC	
29210	1021916548		TIGER EXPRESS INC	418 PINEY GROVE RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1007226307	110016974407	TIGER EXPRESS 8	418 PINEY GROVE RD		COLUMBIA	SC	FINDS
29210	U003624338	17531	RAINBOW GAS GARDEN 318	418 PINEY GROVE RD		COLUMBIA	SC	CDL, UST
29210	1021272114		WINNSBORO PETROLEUM CO INC	441 PINEY GROVE RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1004780520	110007836342	BP OIL-SITE #24225	477 PINEY GROVE RD & I-26	**	COLUMBIA	SC	RCRA-NonGen, FINDS
29210	1021329222		SUNOCO INC	495 PINEY GROVE RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	2009052827		495 PINEY GROVE RD	495 PINEY GROVE RD		COLUMBIA	SC	HMIRS
29210	1007228566	110016997534	SUNOCO 0691-0574/COOP2687	495 PINEY GROVE RD		COLUMBIA	SC	FINDS
29210	S105703563		EMRO MKTG/STARVIN MARVIN 62	495 PINEY GROVE RD		COLUMBIA	SC	NPDES, SPILLS
29210	U003930890	6094	SUNOCO 0691 0574 COOP2687	495 PINEY GROVE RD		COLUMBIA	SC	GWCI, RCR, LUST, UST
29210	2013003615		495 PINEY GROVE RD.	495 PINEY GROVE RD.		COLUMBIA	SC	HMIRS
29210	2001584668		495 PINEY GROVE ROAD	495 PINEY GROVE ROAD		COLUMBIA	SC	ERNS
29210	S113669518		499 PINEY GROVE RD	499 PINEY GROVE RD		COLUMBIA	SC	CDL
29210	1018281973	110070739753	COSTCO WHOLESALE 1232	507 PINEY GROVE RD		COLUMBIA	SC	RCRAInfo-SQG, FINDS

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	U004255340		COSTCO COLUMBIA	509 PINEY GROVE RD		COLUMBIA	SC	UST
29210	1020433147		VEAL WILLIAM JR	600 PINEY WOODS RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S126294963		RESIDENTIAL PROPERTY	920 PINEY WOODS RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1020954173		CAROLINA INTERSTATE SERVICE	I-26 PINEY GROVE RD	**	COLUMBIA	SC	EDR Historical Auto Stations
29210	1000449071	110002313602	FAST FARE SC-615	441 PINEYGROVE RD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	S125479503		HOUSE	317 PITTSLOWNE RD		COLUMBIA	SC	
29210	1005791148	110002188748	BROOKGREEN MANOR MHP	129 REMBERT MARTIN PK		COLUMBIA	SC	FINDS
29210	U003526324	7888	PANTRY EXPRESS 612	1004 RIVER RD		COLUMBIA	SC	LUST, UST
29210	1000449070	110002244465	FAST FARE SC-612	1004 RIVER RD		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	1007230972	110017022434	RIVERMONT FACILITY	400 RIVERMONT DR		COLUMBIA	SC	FINDS
29210	1007837836	110020018274	CENTEX REAL ESTATE	500 RIVERMONT DR		COLUMBIA	SC	FINDS
29210	S127624254		OLD BABCOCK CENTER	500 RIVERMONT DR		COLUMBIA	SC	
29210	U003525635	13855	STONE CONTAINER	550 RIVERMONT DR		COLUMBIA	SC	LUST, SPILLS, UST
29210	1020344604		SHEPPARD TEXACO	1517 ROMAIN DR		COLUMBIA	SC	EDR Historical Auto Stations
29210	1003869057	SCD982119331	RUSHMORE SITE	RUSHMORE DRIVE	**	COLUMBIA	SC	CERCLIS-NFRAP
29210	1007259703	110017327739	GS2 ENGINEERING & ENVIRONMENTAL C	1401 SAINT ANDREWS RD STE 130		COLUMBIA	SC	FINDS
29210	1024403489	110070318405	WATER AND POWER TECHNOLOGIES INC	1501 SAINT ANDREWS ROAD		COLUMBIA	SC	FINDS
29210	S127617383		380 ST ANDREWS ROAD JOB# 3693-21	380 SAINT ANDREWS RD		COLUMBIA	SC	
29210	1018877798		STERLING CLEANERS INC	4350 SAINT ANDREWS RD		COLUMBIA	SC	EDR Historical Cleaners
29210	1007258169	110017311782	THE NORMANDY COMPANY	4400 SAINT ANDREWS RD		COLUMBIA	SC	FINDS
29210	S111221066		SHAW INDUSTRIES GROUP INC	4401 SAINT ANDREWS RD		COLUMBIA	SC	SPILLS
29210	S127632697		SHAW FIBER PLANT	4401 SAINT ANDREWS RD		COLUMBIA	SC	
29210	S127655950		SHAW INDUSTRIES INC - ADMIN OFFICES	4401 SAINT ANDREWS RD		COLUMBIA	SC	
29210	S127633208		SHAW INDUSTRIES - GROUND FLOOR	4401 SAINT ANDREWS RD		COLUMBIA	SC	
29210	S127664143		SHAW INDUSTRIES GROUP INC PLANT 85	4401 SAINT ANDREWS RD		COLUMBIA	SC	
29210	S127672359		SHAW FIBER PLANT	4401 SAINT ANDREWS RD		COLUMBIA	SC	
29210	S127672061		SHAW FIBER PLANT	4401 SAINT ANDREWS RD		COLUMBIA	SC	
29210	2009900773		SHAW INDUSTRIES GROUP INC PLANT 85	4401 SAINT ANDREWS RD		COLUMBIA	SC	ERNS
29210	1016121674	110000854246	SHAW INDUSTRIES GROUP INC PLANT 85	4401 SAINT ANDREWS RD		COLUMBIA	SC	FINDS
29210	1019978169		DUTCH CLEANERS & LAUNDRY INC	533 SAINT ANDREWS RD		COLUMBIA	SC	EDR Historical Cleaners
29210	S127625837		FOOD LION STORE # 112	534 SAINT ANDREW RD		COLUMBIA	SC	
29210	1019971850		DERBYS CLEANERS & TAILORS	736 SAINT ANDREWS RD		COLUMBIA	SC	EDR Historical Cleaners
29210	1018880357		ONE HOUR MARTINIZING	742 SAINT ANDREWS RD		COLUMBIA	SC	EDR Historical Cleaners
29210	1020027560		LEXINGTON CLEANERS INC	744 SAINT ANDREWS RD		COLUMBIA	SC	EDR Historical Cleaners
29210	1022103109		BP EXPLORATION & OIL INC	755 SAINT ANDREWS RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S127022234		QUIKTRIP - STORE 1191	773 SAINT ANDREWS RD		COLUMBIA	SC	
29210	S127022284		QUIKTRIP - STORE 1191	773 SAINT ANDREWS RD		COLUMBIA	SC	
29210	1022040541		PETROLEUM DEVELOPERS INC	800 SAINT ANDREWS RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1019945530		BURNETTES CLEANERS INC	817 SAINT ANDREWS RD		COLUMBIA	SC	EDR Historical Cleaners
29210	S111676874		COPPERFIELD APARTMENTS UNIT 10F	200 SALUDA RIVER RD APT 10F		COLUMBIA	SC	SPILLS
29210	S127617064		RANJI RICHARDSON 2	200 SALUDA RIVER RD UNIT I		COLUMBIA	SC	
29210	S127617065		RANJI RICHARDSON	200 SALUDA RIVER RD UNIT J		COLUMBIA	SC	
29210	S123163306		HOUSE	118 SANDHURST RD		COLUMBIA	SC	
29210	S127617379		1805 SAPLING DR. COLUMBIA - MYERS	1805 SAPLING DR		COLUMBIA	SC	
29210	S127470050		1828 SAPLING ROAD	1828 SAPLING ROAD		COLUMBIA	SC	
29210	S127635169		ABC STORE	106 W SECOND LOOP RD		FLORENCE	SC	
29210	S127622742		SANDAL ELEMENTARY SCHOOL	2700 SEMINOLE RD CUSTODIAL CLOSET		COLUMBIA	SC	
29210	S127617279		MECCIA RESIDENCE	511 SHADOWBROOK DR		COLUMBIA	SC	
29210	S123163370		SHADOWBROOK	784 SHADOWBROOK DR		COLUMBIA	SC	
29210	S126293985		785 SHADOWBROOK DRIVE COLUMBIA	785 SHADOWBROOK DRIVE		COLUMBIA	SC	
29210	1007258236	110017312521	LORD PROPERTIES	1110 SHIRLINGTON RD		COLUMBIA	SC	FINDS
29210	S127622691		SCDJI SMU BUILDING # 3003	SHIVELS RD	**	COLUMBIA	SC	
29210	S127622693		SCDJI HVAC SHOP FLOOR	SHIVELS RD	**	COLUMBIA	SC	
29210	1007830006	110019939931	SC DEPT OF YOUTH SERVICES	1720 SHIVERS RD		COLUMBIA	SC	FINDS
29210	1008153396	110002309038	GEORGETOWN MAR BELLE ISL	1720 SHIVERS RD		COLUMBIA	SC	FINDS
29210	S127619346		R&E SCHOOL	1745 SHIVERS RD		COLUMBIA	SC	
29210	S127619333		WL SCHOOL #2 LIBRARY, 1745 SHIVERS F	1745 SHIVERS RD		COLUMBIA	SC	
29210	S127671395		SOUTH CAROLINA DEPT JUVENILE JUSTI	SHIVERS RD	**	COLUMBIA	SC	
29210	S127640839		R&E PROCESSING BLDG 1016	1745, SHIVES RD		COLUMBIA	SC	
29210	1007235258	110017066690	COLUMBIA NORTH AMERICAN VAN LINES	2708 SHOP RD		COLUMBIA	SC	FINDS
29210	S118177902		RICHLAND CO/NICHOLAS CREEK	W SIDE OF BROAD RIVER	**	COLUMBIA	SC	NPDES
29210	1007236546	110017080077	SHARPE RD MHP	3719 SIDNEY DR		COLUMBIA	SC	FINDS
29210	1019944695		BRYANS CLEANERS & LAUNDRY	326 SINT ANDREWS RD STE J		COLUMBIA	SC	EDR Historical Cleaners
29210	S126293698		STACEY COATES	1131 SKYLAND DR		COLUMBIA	SC	
29210	1009648593			225 SKYLAND DRIVE		COLUMBIA	SC	DOT OPS
29210	S127469697		1079 SPRINGHOUSE DRIVE - UNIT 1013	1079 SPRINGHOUSE DRIVE		COLUMBIA	SC	

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	1018409309		DERBYS CLEANERS & TAILORS	736 G ST	**	COLUMBIA	SC	EDR Historical Cleaners
29210	S127629763		ST ANDREW'S LUTHERN CHURCH	ST ANDREW'S LUTHERN CHURCH	**	COLUMBIA	SC	
29210	1007236649	110017081110	LOST CREEK S/D	455 STANDREWS RD /B-2		COLUMBIA	SC	FINDS
29210	S128050845		171 STARLIGHT JOB#3749-21	171 STARLIGHT DR		COLUMBIA	SC	
29210	1007835367	110019993578	RESIDENCE INN	150 STONE RIDGE DR		COLUMBIA	SC	FINDS
29210	S127659349		USED CAR SALES	183 STONE RIDGE DR		COLUMBIA	SC	
29210	S125920491		RESIDENCE	312 S STONE HEDGE DR		COLUMBIA	SC	
29210	S127656466		STONE RIDGE APARTMENTS BLDG 5	STONE RIDGE APARTMENTS, 1000 WATE	**	COLUMBIA	SC	
29210	S127672243		STONE RIDGE APARTMENTS BLDG 6	STONE RIDGE APARTMENTS, 1000 WATE	**	COLUMBIA	SC	
29210	S127656465		STONE RIDGE APARTMENTS BLDG 9	STONE RIDGE APARTMENTS, 1000 WATE	**	COLUMBIA	SC	
29210	S127635120		HOUSE	101 STONEHEDGE DR		GREENVILLE	SC	
29210	1007257963	110017309465	SOUTH CAROLINA SURGICAL REFERRAL	124 STONEMARK LN		COLUMBIA	SC	FINDS
29210	1007235265	110017066789	SOUTH CAROLINA VETERINARY INTERN	132 STONEMARK LN		COLUMBIA	SC	FINDS
29210	1007259258	110017323127	STONEMARK VETERINARY GROUP	132 STONEMARK LN		COLUMBIA	SC	FINDS
29210	1012301186	110040076495	CINGULAR WIRELESS LLC - COLUMBIA SI	140 STONEMARK LN		COLUMBIA	SC	ICIS, FINDS
29210	1026579324		CHEM NUCLEAR SYSTEMS INC	140 STONERIDGE DR		COLUMBIA	SC	PRP
29210	1005791598	110002181969	RUST ENV & INFRASTRUTURE INC	140 STONERIDGE DR		COLUMBIA	SC	FINDS
29210	1001211697		CHEM-NUCLEAR SYSTEMS, INC.	140 STONERIDGE DRIVE		COLUMBIA	SC	MLTS
29210	S127635420		TAMARIND AT STONERIDGE APARTMENT	143 STONERIDGE DR		COLUMBIA	SC	
29210	S127660450		AFFORDABLE SUITES - BLDG 9	150 STONERIDGE DR		COLUMBIA	SC	
29210	S113910511			150 STONERIDGE DR		COLUMBIA	SC	CDL
29210	1007228417	110016996027	SC ONCOLOGY ASSOCIATES	166 STONERIDGE DR		COLUMBIA	SC	FINDS
29210	S127559987			180 STONERIDGE DR		COLUMBIA	SC	CDL
29210	1007835397	110019993872	SC BAPTIST CONVENTION	190 STONERIDGE DR		COLUMBIA	SC	FINDS
29210	1001030680	110002244401	FUJI PHOTO FILM USA	200 STONERIDGE DR		COLUMBIA	SC	RCRA-NonGen, FINDS
29210	1007260101	110017331831	CAROLINA CONVENIENCE CORP	209 STONERIDGE DR STE 102		COLUMBIA	SC	FINDS
29210	1021108637		CAROLINA CONVENIENCE CORP	209 STONERIDGE DR STE 102		COLUMBIA	SC	EDR Historical Auto Stations
29210	S118176193		CHEM-NUCLEAR SYSTEMS/TRANSPORT	220 STONERIDGE DR		COLUMBIA	SC	NPDES
29210	1022106562		CHEVRONTEXACO CORPORATION	220 STONERIDGE DR STE 200		COLUMBIA	SC	EDR Historical Auto Stations
29210	1007235643	110017070710	LJ INC	220 STONERIDGE DR STE 405		COLUMBIA	SC	FINDS
29210	1006331317		CHEM-NUCLEAR SYS., INC.	220 STONERIDGE DRIVE		COLUMBIA	SC	MLTS
29210	1007259071	110017321192	PALMETTO HEALTH ALLIANCE-PAIN MAN.	223 STONERIDGE DR		COLUMBIA	SC	FINDS
29210	1007834244	110019982349	SWANSEA APARTMENTS LLP	236 STONERIDGE DR		COLUMBIA	SC	FINDS
29210	S126294958		ASBESTOS AND DEMOLITION INC	240 STONERIDGE		COLUMBIA	SC	
29210	1007835183	110019991730	VOA HICKORY KNOLL INC	246 STONERIDGE DR		COLUMBIA	SC	FINDS
29210	1005505584	110006795799	MARTIN MARIETTA MATERIALS INC	246 STONERIDGE DR STE 102		COLUMBIA	SC	FINDS
29210	1026628068		PIRELLI CABLE	246 STONERIDGE DRIVE 4TH FLOOR		COLUMBIA	SC	PRP
29210	1007835050	110019990401	OUR LADY OF THE HILLS CATH CU	C/O STRUCTIONEERS	**	COLUMBIA	SC	FINDS
29210	S127616517		302 STUCAWA DR - SCDOT	302 STUCAWA DR		COLUMBIA	SC	
29210	S127469846		302 STUCAWA DRIVE- SCDOT HOUSES	302 STUCAWA DRIVE		COLUMBIA	SC	
29210	S127639911		JAYCEE COTTAGE	134 SUBER RD		COLUMBIA	SC	
29210	1005791613	110002181727	S&ME INC COLUMBIA	134 SUBER RD		COLUMBIA	SC	FINDS
29210	S128051054		449 SULGRAVE DR, COLUMBIA - CALLICU	449 SULGRAVE DR		COLUMBIA	SC	
29210	S127469877		525 SULGRAVE DR - STEVENS	525 SULGRAVE DR		COLUMBIA	SC	
29210	S116706135		USA STATION	SUNSET	**	COLUMBIA	SC	UIC
29210	S126294579		1137 SUSAN ROAD, COLUMBIA, SC 29210	1137 SUSAN RD		COLUMBIA	SC	
29210	1007241954	110017136516	ROBERT C CHRISTIAN DPM	1144 SUSAN RD		COLUMBIA	SC	FINDS
29210	S127617060		837 TARA TRAIL, COLUMBIA SC - WOODH	837 TARA TRL		COLUMBIA	SC	
29210	S127616864		920 TARA TRAIL - HOOVER	920 TARA TRL		COLUMBIA	SC	
29210	S126293134		JENNIFER BORYK TEST SITE	123 TEST AVE	**	COLUMBIA	SC	
29210	S127470188		755 TRAFALGAR DR - VALK	755 TRAFALGAR DR		COLUMBIA	SC	
29210	1007258742	110017317875	DIVERSIFIED CHEMICAL & CLEAN	101 TRAM CT		COLUMBIA	SC	FINDS
29210	S127638531		SCDOT BRIDGE OVER N TYGER RIVER TF	TUCAPAU RD	**	COLUMBIA	SC	SPARTANBURG
29210	1007835895	110019998859	C H ASSOCIATES LLC	261 TUDOR RD		COLUMBIA	SC	FINDS
29210	S127656976		STRUCTURE	2525 TWO NOTCH RD		COLUMBIA	SC	
29210	S127629147		ECL EQUIPMENT CO,	2525 TWO NOTCH RD		COLUMBIA	SC	
29210	1007227477	110016986314	FORMER DLITES	7461 TWO NOTCH RD		COLUMBIA	SC	FINDS
29210	U003521387	15077	FORMER DLITES	7461 TWO NOTCH RD		COLUMBIA	SC	GWCI, RCR, LUST, UST
29210	1018563647		PENTERPRISES INC	TWO NOTCH RD	**	COLUMBIA	SC	EDR Historical Cleaners
29210	S119121471		RESIDENCE	143 TYBORNE CIR		COLUMBIA	SC	
29210	S127617247		249 TYBORNE CIRCLE, COLUMBIA - FLOY	249 TYBORNE CIR		COLUMBIA	SC	
29210	1023648386	110070058378	VIRGINIA CAROLINA CHEMICAL GLOBE	UNKNOWN	**	COLUMBIA	SC	FINDS
29210	1019328424	SCN000404833	VIRGINIA CAROLINA CHEMICAL GLOBE	UNKNOWN	**	COLUMBIA	SC	CERCLIS
29210	1007225101	110016961741	VILLAGE LAK MUR	805 VILLAGE LN		COLUMBIA	SC	FINDS
29210	S123792136		SINGLE FAMILY HOME	203 WACTOR ST	**	COLUMBIA	SC	
29210	S127666152		STONE RIDGE APTS - BLDG 100 - MULTIPI	1000 WATERMARK PL		COLUMBIA	SC	
29210	S127622504		I-20 WESTBOUND REST AREA REST ROO	I-20 WESTBOUND	**	COLUMBIA	SC	
29210	S119115307		COLUMBIA HIGH SCHOOL	1701 WESTCHESTER DR		COLUMBIA	SC	
29210	S127022694		ED HOFFMAN	518 WESTLAWN RD		COLUMBIA	SC	

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
29210	S125920424		CARTER RESIDENCE	659 WESTOVER RD		COLUMBIA	SC	
29210	1020568601		BEST PRICE GAS	667 WESTOVER RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	1007836045	110020000354	ATLANTIS DEVELOPMENT GROUP LLC	138 WESTPARK BLVD		COLUMBIA	SC	FINDS
29210	1020546381		RATLIFF TEXACO SERVICE	1701 WHITEFORD RD		COLUMBIA	SC	EDR Historical Auto Stations
29210	S125920628		PALMETTO ENVIRONMENTAL ASSOCIATE	516 WIBLEDON CT		COLUMBIA	SC	
29210	1012075993	110038797790	RIVERBANKS PARK-CLOSED	500 WILDLIE PKWY		COLUMBIA	SC	FINDS
29210	S127657585		BOOMERANG GIFT SHOP	500 WILDLIFE PKWY		COLUMBIA	SC	
29210	U004291788		RIVERBANKS ZOO AND GARDEN	500 WILDLIFE PKWY		COLUMBIA	SC	LUST, UST
29210	U003524652	11792	RIVERBANKS ZOO - MAIN ENTRANCE GA'	500 WILDLIFE PKWY		COLUMBIA	SC	NPDES
29210	S127652323		SEA LION FACILITY RIVERBANKS ZOO ANI	500 WILDLIFE PKWY		COLUMBIA	SC	
29210	S127653219		RIVERBANKS ZOO ZEBRA BARN	500 WILDLIFE PKWY		COLUMBIA	SC	
29210	S127658551		RIVERBANKS ZOO GREENHOUSE	500 WILDLIFE PKWY		COLUMBIA	SC	
29210	S127626105		SEA LION FACILITY RIVERBANKS ZOO AN	500 WILDLIFE PKWY		COLUMBIA	SC	
29210	S127626935		ZEBRA BUILDING	500 WILDLIFE PKWY		COLUMBIA	SC	
29210	S127657410		ADMIN BLDG	500 WILDLIFE PKWY		COLUMBIA	SC	
29210	S127620371		RIVERBANKS ZOO & GARDEN - ADMINIST	500 WILDLIFE PWY		COLUMBIA	SC	
29210	S127618838		RESIDENCE	204 WILLOW WIND RD	**	COLUMBIA	SC	
29210	S127622550		WILLOW LANE OMEGA DORM 2013	WILLOW LN	**	COLUMBIA	SC	
29210	S127636852		WOMEN'S CORRECTIONAL CENTER - CO'	WOMEN'S CORRECTIONAL CENTER	**	COLUMBIA	SC	
29210	S127636853		WOMEN'S CORRECTIONAL CENTER - CO'	WOMEN'S CORRECTIONAL CENTER	**	COLUMBIA	SC	
29210	S127670022		COTTAGE 2	WOMEN'S CORRECTIONAL INST, 4344 BR	**	COLUMBIA	SC	
29210	S127670021		COTTAGE 6	SC WOMENS CORRECTIONAL INST, 4344	**	COLUMBIA	SC	
29210	S126295063		GROSS RESIDENCE	105 WOOD CT		COLUMBIA	SC	
29210	S126293921		109 WOOD COURT	109 WOOD CT		COLUMBIA	SC	
29210	S127616944		105 WOODLAND VILLAGE DRIVE, COLUMI	105 WOODLAND VILLAGE DR		COLUMBIA	SC	
29210	S127624985		RESIDENCE	545 WOODLAND HILLS W		COLUMBIA	SC	
29210	S126294195		1847 WOODSBORO DR	1847 WOODSBORO DR		COLUMBIA	SC	
29210	S126295041		STRUCTURE	318 YARMOUTH DR		COLUMBIA	SC	
29210	S126293200		318 YARMOUTH DR - REAPPLY	318 YARMOUTH DR		COLUMBIA	SC	
29210	S125479498		HOUSE	324 YARMOUTH DR		COLUMBIA	SC	
29210	1007228802	110016999925	MIDLANDS VETERINARY PRACTICE	1002 ZIMALCREST DR		COLUMBIA	SC	FINDS
29210	S113669264			200 ZIMALCREST DR		COLUMBIA	SC	CDL
29210	S123162990		OFFICE BUILDING	317 ZIMALCREST DR		COLUMBIA	SC	
29210	S127560309			716 ZIMALCREST DR		COLUMBIA	SC	CDL
29210	S127663812		CROSSROADS APT 700 LAUNDRY ROOM	716 ZIMCREST DR	**	COLUMBIA	SC	

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: N/A
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/11/2022
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: N/A
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/11/2022
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: 800-424-9346
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/25/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021	Source: EPA
Date Data Arrived at EDR: 09/15/2021	Telephone: 800-424-9346
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: (404) 562-8651
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: (404) 562-8651
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: (404) 562-8651
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: (404) 562-8651
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/15/2021	Source: Department of the Navy
Date Data Arrived at EDR: 11/16/2021	Telephone: 843-820-7326
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 02/07/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/19/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/19/2021	Telephone: 703-603-0695
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 11/18/2021
Number of Days to Update: 87	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/19/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/19/2021	Telephone: 703-603-0695
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 11/19/2021
Number of Days to Update: 87	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/13/2021

Date Data Arrived at EDR: 09/21/2021

Date Made Active in Reports: 12/15/2021

Number of Days to Update: 85

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 12/16/2021

Next Scheduled EDR Contact: 04/04/2022

Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Site Assessment Section Project List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 09/10/2021

Date Data Arrived at EDR: 09/23/2021

Date Made Active in Reports: 12/15/2021

Number of Days to Update: 83

Source: Department of Health and Environmental Control

Telephone: 803-898-0835

Last EDR Contact: 12/02/2021

Next Scheduled EDR Contact: 03/21/2022

Data Release Frequency: Semi-Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Permitted Landfills List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/01/2021

Date Data Arrived at EDR: 09/07/2021

Date Made Active in Reports: 12/01/2021

Number of Days to Update: 85

Source: Department of Health and Environmental Control

Telephone: 803-734-5165

Source: Department of Health and Environmental Control, GIS Section

Telephone: 803-896-4084

Last EDR Contact: 12/02/2021

Next Scheduled EDR Contact: 03/21/2022

Data Release Frequency: Semi-Annually

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/11/2021

Date Data Arrived at EDR: 08/06/2021

Date Made Active in Reports: 11/02/2021

Number of Days to Update: 88

Source: Department of Health and Environmental Control

Telephone: 803-898-4350

Last EDR Contact: 01/18/2022

Next Scheduled EDR Contact: 05/02/2022

Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2021

Date Data Arrived at EDR: 11/15/2021

Date Made Active in Reports: 02/08/2022

Number of Days to Update: 85

Source: EPA, Region 5

Telephone: 312-886-7439

Last EDR Contact: 01/18/2022

Next Scheduled EDR Contact: 05/02/2022

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/12/2021	Source: EPA Region 10
Date Data Arrived at EDR: 11/15/2021	Telephone: 206-553-2857
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/12/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/15/2021	Telephone: 415-972-3372
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021	Source: EPA Region 1
Date Data Arrived at EDR: 06/11/2021	Telephone: 617-918-1313
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021	Source: EPA Region 6
Date Data Arrived at EDR: 11/15/2021	Telephone: 214-665-6597
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2021	Source: EPA Region 8
Date Data Arrived at EDR: 11/15/2021	Telephone: 303-312-6271
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2021	Source: EPA Region 7
Date Data Arrived at EDR: 11/15/2021	Telephone: 913-551-7003
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021	Source: EPA Region 4
Date Data Arrived at EDR: 06/22/2021	Telephone: 404-562-8677
Date Made Active in Reports: 09/20/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021	Source: FEMA
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-646-5797
Date Made Active in Reports: 02/01/2022	Last EDR Contact: 02/07/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Varies

UST: Comprehensive Underground Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/28/2021	Source: Department of Health and Environmental Control
Date Data Arrived at EDR: 03/02/2021	Telephone: 803-896-7957
Date Made Active in Reports: 05/21/2021	Last EDR Contact: 01/03/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Quarterly

AST: Aboveground Storage Tank List

Registered Aboveground Storage Tanks.

Date of Government Version: 03/25/2004	Source: Department of Health and Environmental Control
Date Data Arrived at EDR: 08/04/2004	Telephone: 803-898-4350
Date Made Active in Reports: 09/23/2004	Last EDR Contact: 11/18/2021
Number of Days to Update: 50	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/12/2021	Source: EPA Region 10
Date Data Arrived at EDR: 11/15/2021	Telephone: 206-553-2857
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021	Source: EPA Region 5
Date Data Arrived at EDR: 06/11/2021	Telephone: 312-886-6136
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 02/09/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2021	Source: EPA, Region 1
Date Data Arrived at EDR: 11/15/2021	Telephone: 617-918-1313
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/12/2021	Source: EPA Region 6
Date Data Arrived at EDR: 11/15/2021	Telephone: 214-665-7591
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021	Source: EPA Region 4
Date Data Arrived at EDR: 06/22/2021	Telephone: 404-562-9424
Date Made Active in Reports: 09/20/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2021	Source: EPA Region 8
Date Data Arrived at EDR: 11/15/2021	Telephone: 303-312-6137
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/12/2021	Source: EPA Region 9
Date Data Arrived at EDR: 11/15/2021	Telephone: 415-972-3368
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/12/2021	Source: EPA Region 7
Date Data Arrived at EDR: 11/15/2021	Telephone: 913-551-7003
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

RCR: Registry of Conditional Remedies

The Bureau of Land and Waste Management established this Registry to help monitor and maintain sites that have conditional remedies. A Conditional Remedy is an environmental remedy that includes certain qualifications. These qualifications are divided into two major categories: Remedies requiring Land Use Controls and Conditional No Further Actions.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/09/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 12/02/2021
Number of Days to Update: 80

Source: Department of Health & Environmental Control
Telephone: 803-896-4000
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

AUL: Land Use Controls

The term Land Use Controls or "LUCs" encompass institutional controls, such as those involved in real estate interests, governmental permitting, zoning, public advisories, deed notices, and other legal restrictions. The term also includes restrictions on access, whether achieved by means of engineered barriers (e.g., fence or concrete pad) or by human means (e.g., the presence of security guards). Additionally, the term includes both affirmative measures to achieve the desired restrictions (e.g., night lighting of an area) and prohibitive directives (e.g., restrictions on certain types of wells for the duration of the corrective action). Considered altogether, the LUCs for a facility will provide a tool for how the property should be used in order to maintain the level of protectiveness that one or more corrective actions were designed to achieve.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: Department of Health & Environmental Control
Telephone: 803-896-4049
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

VCP: Voluntary Cleanup Sites

Sites participating in the Voluntary Cleanup Program. Once staff and a non-responsible party have agreed upon an approved scope of work for a site investigation and/or remediation, the party enters into a voluntary cleanup contract. Staff oversees the cleanup efforts to ensure that activities are performed to our satisfaction. Upon completion of the negotiated work in the voluntary cleanup contract, the non-responsible party receives State Superfund liability protection.

Date of Government Version: 10/07/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 84

Source: Department of Health and Environmental Control
Telephone: 803-896-4049
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Sites Listing

The Brownfields component of the Voluntary Cleanup Program allows a non-responsible party to acquire a contaminated property with State Superfund liability protection for existing contamination by agreeing to perform an environmental assessment and/or remediation.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/07/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 01/12/2022
Number of Days to Update: 84

Source: Department of Health & Environmental Control
Telephone: 803-896-4069
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/15/2022
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Solid Waste Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 03/13/2020
Date Made Active in Reports: 05/22/2020
Number of Days to Update: 70

Source: Department of Health & Environmental Control
Telephone: 803-896-8985
Last EDR Contact: 12/06/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

ALLSITES: Site Assessment & Remediation Public Record Database

The South Carolina Department of Health and Environmental Control is pleased to have the Public Record for your review. The purpose of this database is two-fold. First, it will provide to communities another form of notice of cleanup activity, allowing them to have more information about assessment and cleanup activities in their area and in the State. Second, it can assist those seeking to redevelop brownfield properties within South Carolina.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: Department of Health & Environmental Control
Telephone: 803-896-4000
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Sites

A listing of clandestine drug lab site locations.

Date of Government Version: 01/24/2012
Date Data Arrived at EDR: 01/26/2012
Date Made Active in Reports: 02/24/2012
Number of Days to Update: 29

Source: Department of Health & Environmental Control
Telephone: 803-896-4288
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

CDL 2: Clandestine Drug Lab Listing

A listing of clandestine drug lab site locations.

Date of Government Version: 08/26/2021
Date Data Arrived at EDR: 08/26/2021
Date Made Active in Reports: 09/02/2021
Number of Days to Update: 7

Source: South Carolina Law Enforcement Division
Telephone: 803-896-7136
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/16/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

SPILLS: Spill List

Spills and releases of petroleum and hazardous chemicals reported to the Oil & Chemical Emergency Response division.

Date of Government Version: 09/10/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 12/02/2021
Number of Days to Update: 80

Source: Department of Health and Environmental Control
Telephone: 803-898-4111
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/25/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 03/26/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: (404) 562-8651
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/26/2021	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 11/16/2021	Telephone: 202-528-4285
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 02/15/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/30/2022
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/14/2022
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/25/2022
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 01/07/2022
Number of Days to Update: 574	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 02/08/2022
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 202-566-1917
Date Made Active in Reports: 09/28/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/01/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 02/03/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/17/2020	Telephone: 202-260-5521
Date Made Active in Reports: 09/10/2020	Last EDR Contact: 12/17/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 03/28/2022
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 08/14/2020	Telephone: 202-566-0250
Date Made Active in Reports: 11/04/2020	Last EDR Contact: 11/16/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 02/28/2022
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/18/2021	Source: EPA
Date Data Arrived at EDR: 10/20/2021	Telephone: 202-564-4203
Date Made Active in Reports: 01/10/2022	Last EDR Contact: 01/19/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: 703-416-0223
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 03/14/2022
	Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-564-8600
Date Made Active in Reports: 11/12/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-564-6023
Date Made Active in Reports: 12/15/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020	Source: EPA
Date Data Arrived at EDR: 01/08/2021	Telephone: 202-566-0500
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 01/07/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/29/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/24/2021	Telephone: 301-415-7169
Date Made Active in Reports: 11/19/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019	Source: Department of Energy
Date Data Arrived at EDR: 12/01/2020	Telephone: 202-586-8719
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 11/30/2021
Number of Days to Update: 70	Next Scheduled EDR Contact: 03/14/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 12/02/2021
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/14/2022
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 02/04/2022
Number of Days to Update: 96	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 12/27/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 04/11/2022
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/08/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/13/2021
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 90

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/09/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/20/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2021	Telephone: 703-603-8787
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 05/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/11/2022
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/02/2021	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 11/22/2021	Telephone: 303-231-5959
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 11/22/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021	Source: DOL, Mine Safety & Health Admi
Date Data Arrived at EDR: 07/01/2021	Telephone: 202-693-9424
Date Made Active in Reports: 09/28/2021	Last EDR Contact: 12/20/2021
Number of Days to Update: 89	Next Scheduled EDR Contact: 03/14/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020	Source: USGS
Date Data Arrived at EDR: 05/27/2020	Telephone: 703-648-7709
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 11/22/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 11/22/2021
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/14/2021	Source: Department of Interior
Date Data Arrived at EDR: 09/15/2021	Telephone: 202-208-2609
Date Made Active in Reports: 12/15/2021	Last EDR Contact: 12/14/2021
Number of Days to Update: 91	Next Scheduled EDR Contact: 03/21/2022
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021	Source: EPA
Date Data Arrived at EDR: 05/18/2021	Telephone: (404) 562-9900
Date Made Active in Reports: 08/17/2021	Last EDR Contact: 11/22/2021
Number of Days to Update: 91	Next Scheduled EDR Contact: 03/14/2022
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 11/23/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 78

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

AIRS: Permitted Airs Facility Listing

A listing of permitted airs facilities.

Date of Government Version: 11/22/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/10/2022
Number of Days to Update: 80

Source: Department of Health & Environmental Control
Telephone: 803-898-4279
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

Asbestos abatement & demolition project list

Date of Government Version: 11/02/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 82

Source: Department of Health & Environmental Control
Telephone: 803-898-3882
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of sites with coal ash ponds.

Date of Government Version: 03/20/2018
Date Data Arrived at EDR: 03/22/2018
Date Made Active in Reports: 04/25/2018
Number of Days to Update: 34

Source: Department of Health & Environmental Control
Telephone: 803-898-3964
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Database

The Drycleaning Facility Restoration Trust Fund database is used to access, prioritize and cleanup contaminated registered drycleaning sites.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 48

Source: Department of Health & Environmental Control
Telephone: 803-898-3882
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 09/15/2021	Source: Department of Health & Environmental Control
Date Data Arrived at EDR: 09/15/2021	Telephone: 803-896-4067
Date Made Active in Reports: 10/08/2021	Last EDR Contact: 12/02/2021
Number of Days to Update: 23	Next Scheduled EDR Contact: 03/21/2022
	Data Release Frequency: Semi-Annually

Financial Assurance 2: Financial Assurance Information Listing

Hazardous waste financial assurance information.

Date of Government Version: 09/15/2021	Source: Department of Health & Environmental Control
Date Data Arrived at EDR: 09/15/2021	Telephone: 803-898-3880
Date Made Active in Reports: 10/14/2021	Last EDR Contact: 12/02/2021
Number of Days to Update: 29	Next Scheduled EDR Contact: 03/21/2022
	Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information Listing

UST financial assurance information.

Date of Government Version: 02/28/2021	Source: Department of Health & Environmental Control
Date Data Arrived at EDR: 03/02/2021	Telephone: 803-898-3880
Date Made Active in Reports: 05/21/2021	Last EDR Contact: 01/03/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Varies

GWCI: Groundwater Contamination Inventory

An inventory of all groundwater contamination cases in the state.

Date of Government Version: 07/01/2008	Source: Department of Health and Environmental Control
Date Data Arrived at EDR: 11/06/2008	Telephone: 803-898-3798
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 12/15/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Annually

NPDES: Waste Water Treatment Facilities Listing

A listing of waste water treatment facility locations.

Date of Government Version: 10/27/2021	Source: Department of Health & Environmental Control
Date Data Arrived at EDR: 10/28/2021	Telephone: 803-898-4300
Date Made Active in Reports: 01/19/2022	Last EDR Contact: 01/18/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

UIC: Underground Injection Wells Listing

A listing of underground injection wells locations.

Date of Government Version: 06/15/2021	Source: Department of Health & Environmental Control
Date Data Arrived at EDR: 07/22/2021	Telephone: 803-898-3799
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 02/07/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/09/2022
	Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018	Source: USGS
Date Data Arrived at EDR: 10/21/2019	Telephone: 703-648-6533
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 11/23/2021
Number of Days to Update: 3	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

MANIFEST: Hazardous Waste Manifest Data

A generator who transports, or offers for transportation, hazardous waste for off-site treatment, storage or disposal must prepare a hazardous waste manifest to accompany such shipment.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 10/22/2020
Date Made Active in Reports: 01/20/2021
Number of Days to Update: 90

Source: Department of Health & Environmental Control
Telephone: 803-898-3796
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health and Environmental Control in South Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Health and Environmental Control
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health and Environmental Control in South Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Health and Environmental Control
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health and Environmental Control in South Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Health and Environmental Control
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/11/2021	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 11/12/2021	Telephone: 860-424-3375
Date Made Active in Reports: 02/01/2022	Last EDR Contact: 02/11/2022
Number of Days to Update: 81	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 01/07/2022
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/29/2021	Telephone: 518-402-8651
Date Made Active in Reports: 01/19/2022	Last EDR Contact: 01/28/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/09/2022
	Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2019	Telephone: 717-783-8990
Date Made Active in Reports: 09/10/2019	Last EDR Contact: 01/10/2022
Number of Days to Update: 53	Next Scheduled EDR Contact: 04/25/2022
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2019	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/11/2021	Telephone: 401-222-2797
Date Made Active in Reports: 02/24/2021	Last EDR Contact: 02/14/2022
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/30/2022
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/19/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 12/06/2021
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/21/2022
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Day Care List

Source: Department of Social Services

Telephone: 803-898-7345

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 803-734-9494

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CAROLINA CROSS ROADS
BROAD RIVER RD
COLUMBIA, SC 29210

TARGET PROPERTY COORDINATES

Latitude (North):	34.040273 - 34° 2' 24.98"
Longitude (West):	81.094887 - 81° 5' 41.59"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	491241.3
UTM Y (Meters):	3766430.8
Elevation:	318 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	15786838 COLUMBIA NORTH, SC
Version Date:	2020

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

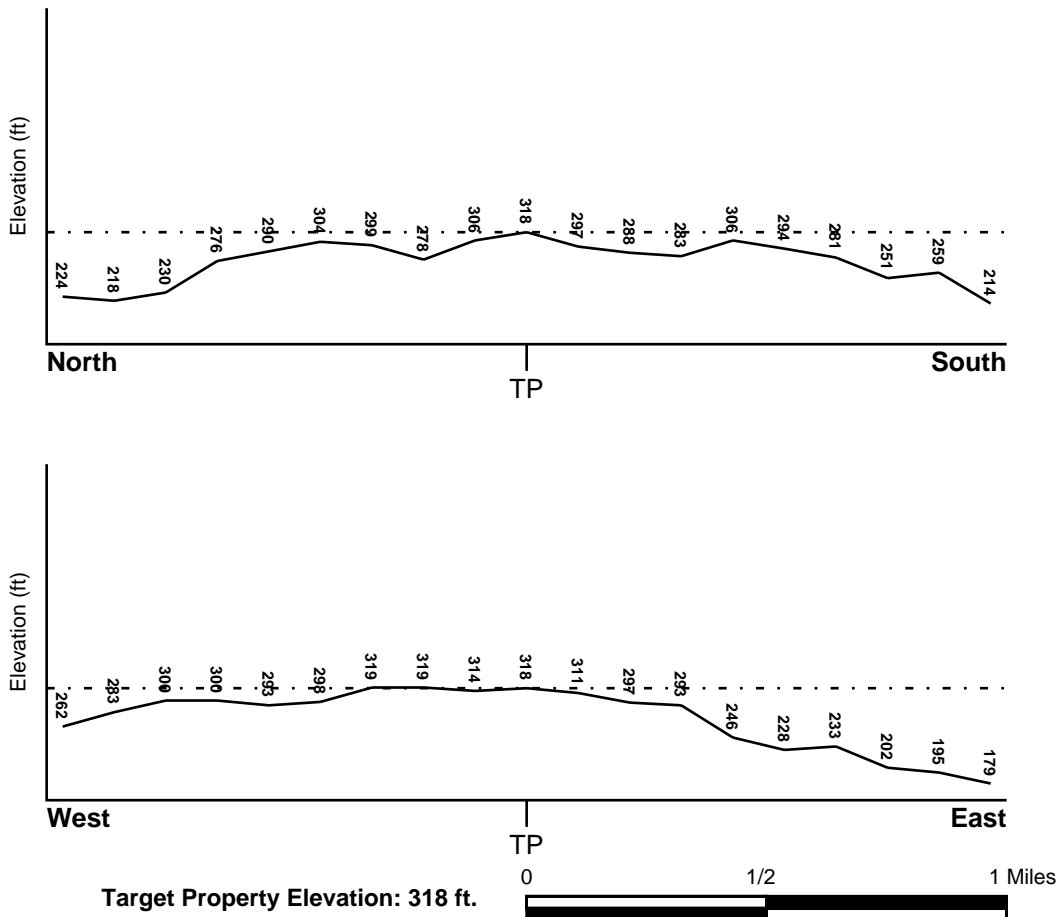
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
45063C0161G	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
45079C0237K	FEMA FIRM Flood data
45063C0164G	FEMA FIRM Flood data
45063C0163G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
COLUMBIA NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
A1	0 - 1/8 Mile SE	Not Reported
A2	1/8 - 1/4 Mile SE	Not Reported
3	1/8 - 1/4 Mile WNW	SW
5	1/2 - 1 Mile SE	SE
6	1/2 - 1 Mile South	S
B7	1/2 - 1 Mile South	SW
B8	1/2 - 1 Mile South	W
B9	1/2 - 1 Mile South	ESE
10	1/2 - 1 Mile SW	Not Reported
1G	1/8 - 1/4 Mile WNW	SW
2G	0 - 1/8 Mile SE	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
3G	1/8 - 1/4 Mile SE	Not Reported
4G	1/2 - 1 Mile SE	SE
5G	1/2 - 1 Mile SW	Not Reported
6G	1/2 - 1 Mile South	S
7G	1/2 - 1 Mile South	SW
8G	1/2 - 1 Mile South	W
9G	1/2 - 1 Mile South	ESE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

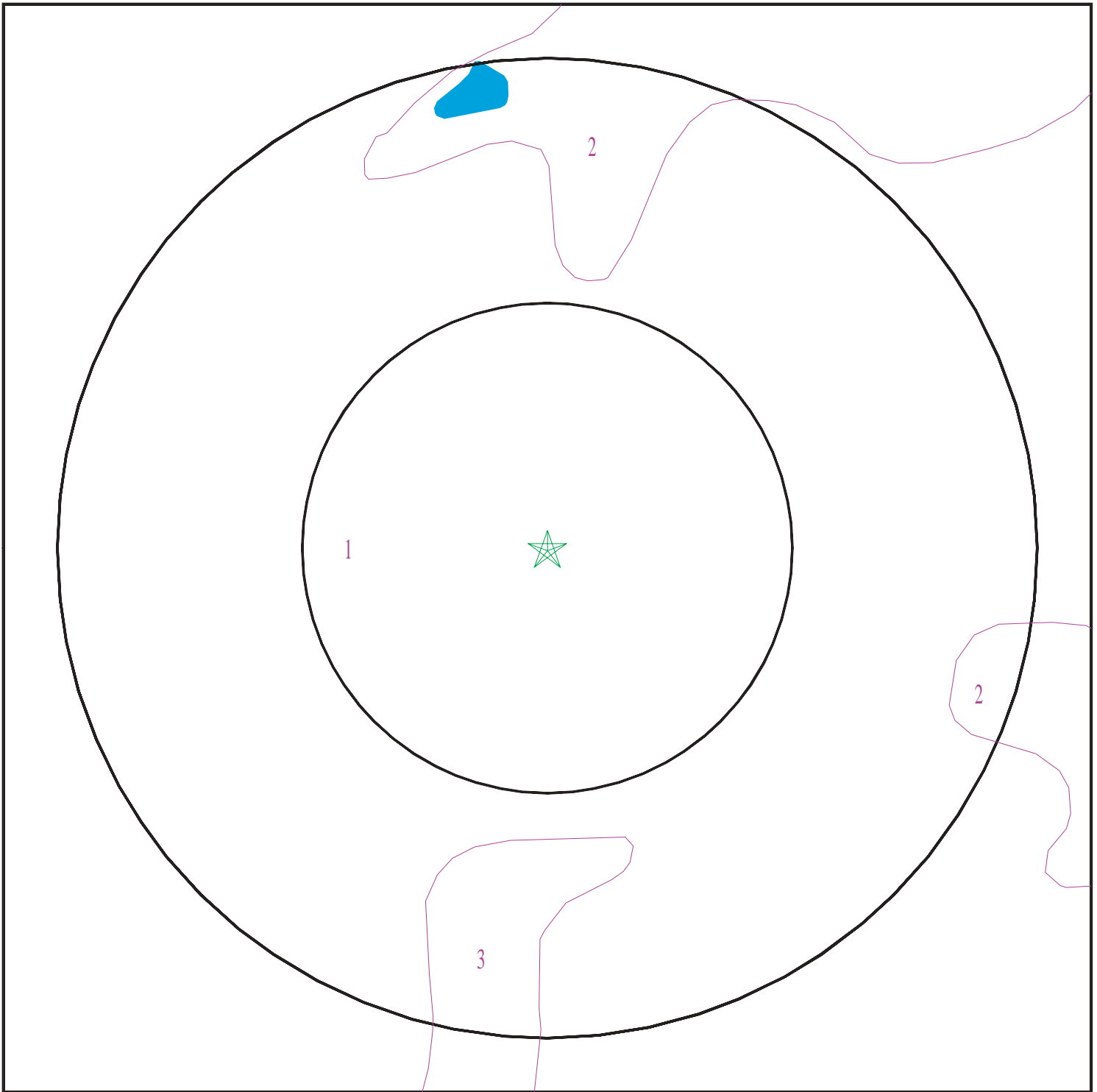
Era: Paleozoic
System: Pennsylvanian
Series: Upper Paleozoic granitic rocks
Code: Pzg3 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

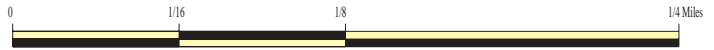
Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6860313.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Carolina Cross Roads
ADDRESS: Broad River Rd
Columbia SC 29210
LAT/LONG: 34.040273 / 81.094887

CLIENT: ARM Environmental Services
CONTACT: Richard Ciccolella
INQUIRY #: 6860313.2s
DATE: February 16, 2022 12:11 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Orangeburg

Soil Surface Texture: loamy sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loamy sand	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	5 inches	11 inches	loamy sand	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	11 inches	18 inches	sandy loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5
4	18 inches	89 inches	sandy clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 2

Soil Component Name: Herndon

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 14 Min: 0	Max: Min:
2	1 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 14 Min: 0	Max: Min:
3	9 inches	37 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 14 Min: 0	Max: Min:
4	37 inches	51 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 14 Min: 0	Max: Min:
5	51 inches	61 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 14 Min: 0	Max: Min:
6	61 inches	74 inches	bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 14 Min: 0	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Orangeburg

Soil Surface Texture: loamy sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loamy sand	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	5 inches	11 inches	loamy sand	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	11 inches	18 inches	sandy loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5
4	18 inches	89 inches	sandy clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

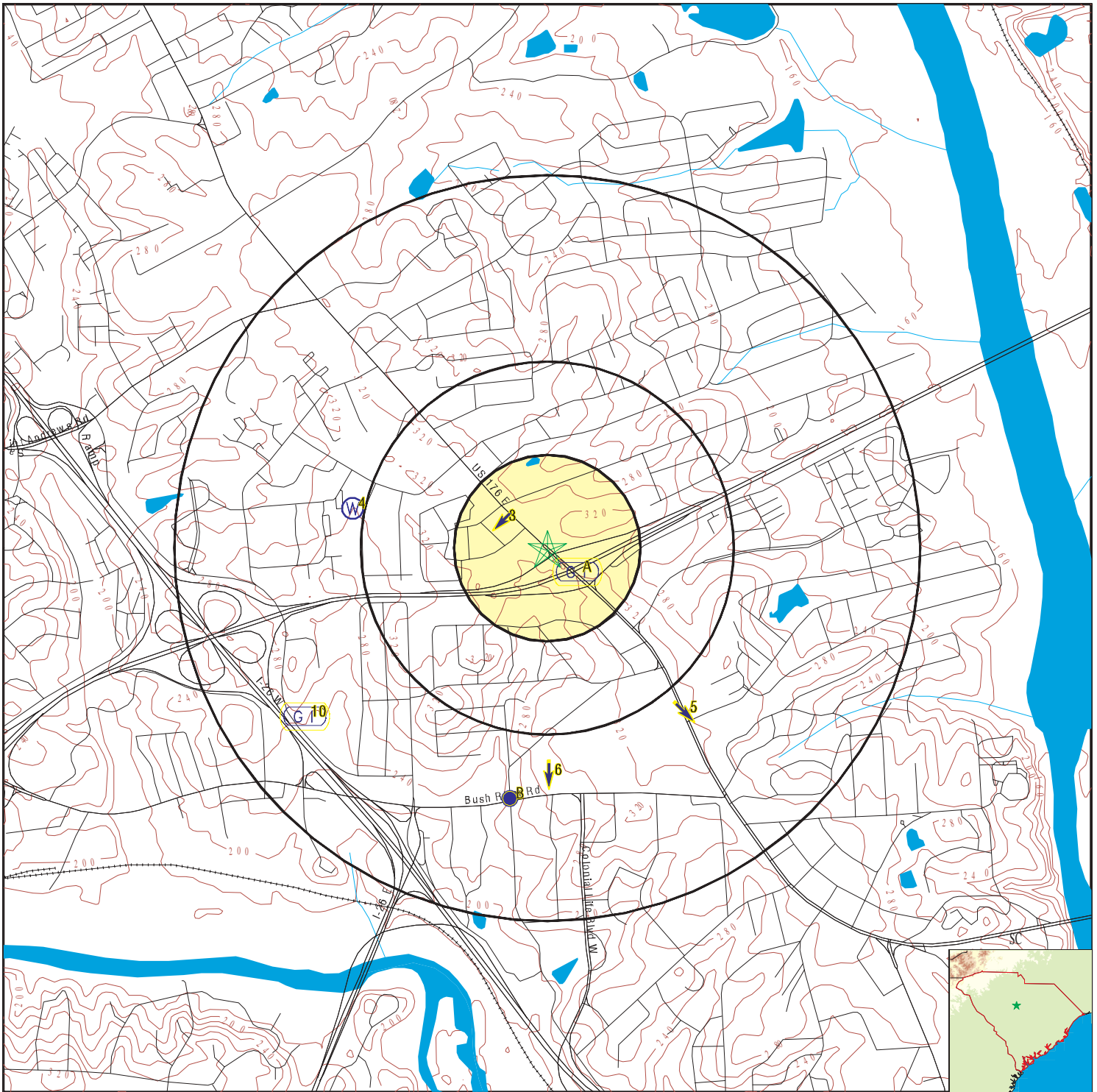
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
4	SCWC60000013271	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 6860313.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: Carolina Cross Roads
 ADDRESS: Broad River Rd
 Columbia SC 29210
 LAT/LONG: 34.040273 / 81.094887

CLIENT: ARM Environmental Services
 CONTACT: Richard Ciccolella
 INQUIRY #: 6860313.2s
 DATE: February 16, 2022 12:11 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1 SE 0 - 1/8 Mile Lower	Site ID: N-40-NO-07758		AQUIFLOW	37261
	Groundwater Flow: Not Reported			
	Shallowest Water Table Depth: Not Reported			
	Deepest Water Table Depth: Not Reported			
	Average Water Table Depth: 24			
	Date: 12/12/1989			

A2 SE 1/8 - 1/4 Mile Higher	Site ID: R-40-NO-07910		AQUIFLOW	37000
	Groundwater Flow: Not Reported			
	Shallowest Water Table Depth: 15.80			
	Deepest Water Table Depth: 21.36			
	Average Water Table Depth: Not Reported			
	Date: 03/29/1998			

3 WNW 1/8 - 1/4 Mile Lower	Site ID: N-40-GM-07326		AQUIFLOW	31938
	Groundwater Flow: SW			
	Shallowest Water Table Depth: Not Reported			
	Deepest Water Table Depth: Not Reported			
	Average Water Table Depth: Not Reported			
	Date: 10/09/1998			

4 WNW 1/2 - 1 Mile Lower			SC WELLS	SCWC60000013271
---	--	--	-----------------	------------------------

Well #:	RIC-766	Elevation (ft):	0
Well Use:	Irrigation	Well Depth (ft):	360
Completion Depth (ft):	360	Top Casing Diameter (in):	6
Bottom Casing Diameter (in):	0	Open Hole Casing Depth (ft):	93
Top Screen Depth (ft):	0	Bottom Screen Depth (ft):	0
Year Completed:	2008	Yield (g/m):	100
Year Yield Measure:	2008	Geographical Logs:	Not Reported
Driller Logs:	1	Pump Test Data:	0
Chemical Analysis:	Not Reported	Static Water Level (ft):	40
Year SWL Measured:	2008	Driller Name:	AAA Well Drilling
Comments:	Not Reported		

5 SE 1/2 - 1 Mile Higher	Site ID: B-40-NM-07633		AQUIFLOW	32355
	Groundwater Flow: SE			
	Shallowest Water Table Depth: 18.99			
	Deepest Water Table Depth: 21.91			
	Average Water Table Depth: Not Reported			
	Date: 01/03/1991			

6 South 1/2 - 1 Mile Lower	Site ID: N-40-NO-16612		AQUIFLOW	41361
	Groundwater Flow: S			
	Shallowest Water Table Depth: Not Reported			
	Deepest Water Table Depth: Not Reported			
	Average Water Table Depth: 25			
	Date: 12/20/1994			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
B7 South 1/2 - 1 Mile Lower	Site ID:	N-40-NO-07763	AQUIFLOW	37045
	Groundwater Flow:	SW		
	Shallowest Water Table Depth:	85.70		
	Deepest Water Table Depth:	102.05		
	Average Water Table Depth:	Not Reported		
Date:	05/29/1998			
B8 South 1/2 - 1 Mile Lower	Site ID:	N-40-NO-11758	AQUIFLOW	41375
	Groundwater Flow:	W		
	Shallowest Water Table Depth:	1.82		
	Deepest Water Table Depth:	13.31		
	Average Water Table Depth:	Not Reported		
Date:	02/09/1999			
B9 South 1/2 - 1 Mile Lower	Site ID:	P-32-NM-10816	AQUIFLOW	37272
	Groundwater Flow:	ESE		
	Shallowest Water Table Depth:	15.61		
	Deepest Water Table Depth:	19.30		
	Average Water Table Depth:	Not Reported		
Date:	04/1997			
10 SW 1/2 - 1 Mile Lower	Site ID:	N-40-NO-11836	AQUIFLOW	41371
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	5		
Date:	10/06/1998			
1G WNW 1/8 - 1/4 Mile Lower	Site ID:	N-40-GM-07326	AQUIFLOW	31938
	Groundwater Flow:	SW		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	Not Reported		
Date:	10/09/1998			
2G SE 0 - 1/8 Mile Lower	Site ID:	N-40-NO-07758	AQUIFLOW	37261
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	24		
Date:	12/12/1989			
3G SE 1/8 - 1/4 Mile Lower	Site ID:	R-40-NO-07910	AQUIFLOW	37000
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	15.80		
	Deepest Water Table Depth:	21.36		
	Average Water Table Depth:	Not Reported		
Date:	03/29/1998			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

4G SE 1/2 - 1 Mile Lower	Site ID:	B-40-NM-07633	AQUIFLOW	32355
	Groundwater Flow:	SE		
	Shallowest Water Table Depth:	18.99		
	Deepest Water Table Depth:	21.91		
	Average Water Table Depth:	Not Reported		
Date:	01/03/1991			
<hr/>				
5G SW 1/2 - 1 Mile Lower	Site ID:	N-40-NO-11836	AQUIFLOW	41371
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	5		
Date:	10/06/1998			
<hr/>				
6G South 1/2 - 1 Mile Lower	Site ID:	N-40-NO-16612	AQUIFLOW	41361
	Groundwater Flow:	S		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	25		
Date:	12/20/1994			
<hr/>				
7G South 1/2 - 1 Mile Lower	Site ID:	N-40-NO-07763	AQUIFLOW	37045
	Groundwater Flow:	SW		
	Shallowest Water Table Depth:	85.70		
	Deepest Water Table Depth:	102.05		
	Average Water Table Depth:	Not Reported		
Date:	05/29/1998			
<hr/>				
8G South 1/2 - 1 Mile Lower	Site ID:	N-40-NO-11758	AQUIFLOW	41375
	Groundwater Flow:	W		
	Shallowest Water Table Depth:	1.82		
	Deepest Water Table Depth:	13.31		
	Average Water Table Depth:	Not Reported		
Date:	02/09/1999			
<hr/>				
9G South 1/2 - 1 Mile Lower	Site ID:	P-32-NM-10816	AQUIFLOW	37272
	Groundwater Flow:	ESE		
	Shallowest Water Table Depth:	15.61		
	Deepest Water Table Depth:	19.30		
	Average Water Table Depth:	Not Reported		
Date:	04/1997			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: SC Radon

Radon Test Results

Zipcode	Average	Num Tests	Minimum	Maximum	% > 4 pCi/L
29210	2.1	101	0.3	46.4	5.0

Federal EPA Radon Zone for RICHLAND County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 29210

Number of sites tested: 14

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.786 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 803-734-9494

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

South Carolina Water Well Database

Source: Department of Natural Resources

Telephone: 803-734-6440

Water wells in the Coastal Plain counties of South Carolina.

Water Well Database

Source: Department of Natural Resources

Telephone: 864-654-1671

A listing of water wells in the Piedmont (upstate) counties.

OTHER STATE DATABASE INFORMATION

RADON

State Database: SC Radon

Source: Department of Health & Environmental Control

Telephone: 864-241-1090

Radon Test Results by Zip Code

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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17.6 Interview Documentation

17.7 Special Contractual Conditions Between User and Environmental Professional

17.8 Qualifications of the Environmental Professional(s)

RICHARD CICCOLELLA PROJECT MANAGER

Mr. Ciccolella is a Biologist with experience in the environmental field since 1993. He has extensive experience in a variety of environmental areas including wetland delineation, biological assessments, Phase I and Phase II Environmental Site Assessments, NEPA Environmental Assessments, and soil and ground water assessments with respect to leaking underground storage tanks and/or other sources of potential subsurface contamination.

EDUCATION

B.S., Biology - Auburn University (1993)

CERTIFICATIONS

Niton XRF Lead Analyzer Manufacturer's Training Course

Lead Awareness Training Certificate

Wetland Delineation – Richard Chinn Environmental Training, Inc.

SPECIALIZED TRAINING

Environmental Site Assessments, Phase I and Phase II

Wetland Delineation

Biology / Ecology

Ecological Modeling

Environmental Assessment

PROFESSIONAL EXPERIENCE

1993 to Present: ARM Environmental Services, Inc. - Columbia, South Carolina

Mr. Ciccolella joined ARM in 1993 as a staff scientist. His responsibilities include Phase I and Phase II Environmental Site Assessments, highway corridor assessments for hazardous materials or waste sites, soil and ground water assessments, preparation of environmental assessment documentation pursuant to the National Environmental Policy Act (NEPA), wetland delineation, and biological assessments.

PROJECT EXPERIENCE

Environmental Site Assessments

Mr. Ciccolella has been the principal investigator for numerous Phase I Environmental Site Assessments (ESAs). Assessments have been conducted on a wide range of sites including vacant property, industrial facilities, potential SCDOT rights-of-way, and retail service station properties. Typical clientele has included highway design firms, lending institutions, law firms, real estate brokers, and individual clients.

Subsurface Assessments

Mr. Ciccolella has been involved with the assessment of numerous sites where the subsurface soils and/or ground water have been impacted from leaking underground storage tanks or other sources. His responsibilities on these projects have included the completion of numerous ground water quality assessments designed to characterize the subsurface contamination, determine the primary direction of ground water flow and aquifer characteristics, identify and evaluate potential exposure pathways, and model the fate and transport of the contaminated ground water plumes. His project experience includes numerous assessments conducted pursuant to South Carolina Department of Health and Environmental Control (DHEC) guidelines for assessment of petroleum underground storage tank (UST) releases. Other subsurface assessment work has included the completion of numerous Phase II Soil and/or Ground Water Quality Assessments for commercial real estate transactions and SCDOT right of way acquisitions.

Highway Corridor Assessments

Mr. Ciccolella has also been involved in numerous Highway Corridor Assessments. These Corridor Assessments have been conducted to evaluate the presence, or likely, presence, of hazardous waste or materials that may pose a threat of contamination to the potential highway corridor. Corridor Assessments typically include a site reconnaissance of the corridor area, a review of available regulatory information for sites that potentially are a source of contamination to the corridor, discussions with regulatory personnel regarding specific sites of concern, and the generation of a report summarizing the findings and providing specific recommendations. Typical clientele has included highway design firms involved in the preparation of environmental impact studies conducted pursuant to NEPA.

Environmental Assessment

Mr. Ciccolella was the principal author of the NEPA Environmental Assessment (EA) conducted for the proposed construction of a Ready Building for the 43rd Weapons of Mass Destruction – Civil Support Team of the South Carolina Army National Guard. The EA included an alternatives analysis of a variety of potential environmental impacts including natural resource impacts, cultural resource impacts and community impacts.

Biological Assessments

Mr. Ciccolella has performed numerous wetland delineations throughout South Carolina and has been the principal field technician on a number of wetland assessments, delineation, and wetland mitigation projects. His duties have included wetland delineation and monitoring of environmental conditions at wetland mitigation sites.

ANDREW M. WILSON, P.G.
SENIOR GEOLOGIST / PRINCIPAL

Mr. Wilson is a Professional Geologist with approximately twenty years of professional experience in the environmental field. He has experience in all aspects of environmental assessment and remediation. Mr. Wilson has been the principal investigator on hundreds of environmental investigations, involving RCRA, CERCLA, DNAPL assessment, LNAPL assessment and remediation and dry cleaning contaminant evaluation. Mr. Wilson has also been involved as the principal investigator in numerous projects involving contaminant source apportionment, and contaminant fate and transport analysis.

EDUCATION

B.S., Geology - University of South Carolina, 1980

M.S., Geology - University of Mississippi, 1983

CERTIFICATIONS

Registered Professional Geologist, South Carolina, North Carolina, Tennessee, and Florida

South Carolina Certified Well Driller

OSHA Hazardous Waste Operations and Emergency Response with Updates

SPECIALIZED TRAINING

Geology, Hydrogeology, Remedial Technologies, Coastal Geological Processes, South Carolina Stratigraphy, Geoprobe (multilevel groundwater sampling, conductivity probe, membrane interface probe, injection techniques)

PROFESSIONAL EXPERIENCE

1993 to Present: ARM Environmental Services, Inc. - Columbia, South Carolina

Mr. Wilson joined ARM in 1993 as Principal and Senior Geologist / Hydrogeologist. His responsibilities include business development, technical oversight, and project leader in ground water quality assessments and remediation. Project experience includes assessment and remediation of metals contamination site in the Congaree Vista, assessment of lead contamination in soils, surface water, and groundwater at firing ranges #2 and #4 at Fort Jackson, South Carolina, and assessment of soil and ground water at four South Carolina turbine powered gas compression stations across South Carolina.

1985 to 1993: ViroGroup - ETE Division - Lexington, South Carolina

Mr. Wilson was employed as a Staff/Senior level Hydrogeologist and later as Manager of Hydrogeological Services. His responsibilities included assimilation, evaluation and reporting of geologic and environmental data, large scale project management, business development, and management of a staff of technicians, geologists and hydrogeologists. Mr. Wilson was also team leader for all Corporate ground water remedial activities.

1983-1985 S.C. Dept. of Health and Environmental Control, Ground Water Protection Division, Staff Geologist - Columbia, South Carolina

While at DHEC, Mr. Wilson worked on a variety of projects including ground water contamination and remediation from manufacturing facilities, landfills, and waste disposal sites.

PROJECT EXPERIENCE

Environmental Assessments

Mr. Wilson has been the principal investigator on hundreds of Phase I, II, and III environmental site assessments (ESA's). These ESA's have been completed on a wide variety of industrial, agricultural, commercial, and waste disposal facilities and have been completed for lending institutions, law firms, real estate brokers, and industrial clients. Mr. Wilson has also conducted seminars regarding "due diligence" and environmental site assessments.

Ground Water Quality / Subsurface Geological Assessments and Remediation

Mr. Wilson has been involved with the field investigation and suitability evaluation of numerous potential solid/chemical waste and waste water disposal sites. Characterization of the site geology and hydrogeology is of primary importance when property is being evaluated for mining or as utilization for treatment, storage and/or disposal facility for waste. In the area of contaminant hydrogeology, Mr. Wilson has been project manager on numerous projects involving ground water assessment and remediation from creosote, semi-volatile and volatile organic chemicals, and heavy metals.

A partial list of remedial projects and responsibilities include: field hydrogeologist for the hydrogeological evaluation and remedial activities of the shallow aquifer at the Laidlaw Environmental Services, Inc., Pinewood, S.C., hazardous waste landfill; Project Manager for the hydrogeological assessment Balchem Inc.'s, Green Pond, S.C. facility, Assessment and Remedial Manager for Carolina Plating and Stamping's Greenville, S.C., facilities; Project Manager for preparing the ground water monitoring plan portion of closure and post closure plans for a confidential New Jersey client; Project Manager responsible for development of a Ground Water Quality Assessment Program for Carolina Plating and Stamping Division's Greenville, S.C., facility; Project Manager for evaluation of three sites polluted with wood preserving chemicals for a South Carolina client, and principal investigator for State (DHEC) funded assessment and corrective action at numerous leaking UST sites. Corrective action activities have included soil removal, forced air injection and injection of bacteria and oxygen enriched compounds.

Mr. Wilson also served as the manager of technical field activities for the plaintiff in the Martin v. Diamant Boart case and also as the principal inspector in the Phase II environmental assessment activities at the Sunny Slope Farms site in Gaffney, South Carolina.

Carolina Cross Roads Project
Broad River Road
Columbia, South Carolina

Phase 2 Environmental Assessments
(4 Sites)

April 27, 2022

ARM Project #08-300-22

Prepared For:

Infrastructure Consulting & Engineering
Columbia, SC



Richard Ciccolella
Project Manager



Andrew M. Wilson, P.G.
Sr. Project Manager / Principal





TABLE OF CONTENTS

1.0 - Introduction	Page 1
1.1 Purpose	
1.2 Scope of Services	
2.0 – Results	Page 2
2.1 Former Port Unit 288 (North American Title Loans), 2224 Broad River Road (Tract 206)	Page 2
2.2 Circle K 2703105, 2220 Broad River Road (Tract 207)	Page 4
2.3 Former Shepperds Texaco, 2116 Broad River Road (Tract 272)	Page 4
2.4 Former Racetrac 978, 2114 Broad River Road (Tract 273)	Page 8
3.0 – Conclusions	Page 12
Attachment A – Figures	
Attachment B – Laboratory Analytical Data	
Attachment C – EM / GPR Information	

1.0 Introduction

Pursuant to authorization from Integrated Consulting & Engineering (ICE), ARM has completed Phase 2 Limited Subsurface Assessments (LSA) of 4 sites along Broad River Road, near the I-20 interchange, in Columbia, SC. The sites were selected based on previous Phase I Environmental Site Assessments (ESA), prepared by F&ME Consultants, dated June 14, 2017. Phase 2 efforts were concentrated in potential new right of way (ROW) areas for two sites, and across the sites for two sites.

Phase 2 LSAs were conducted at the following 4 sites:

- Former Port Unit 288 (North American Title Loans), 2224 Broad River Road (Tract 206)
- Circle K 2703105, 2220 Broad River Road (Tract 207)
- Former Shepperds Texaco, 2116 Broad River Road (Tract 272)
- Former Racetrac 978, 2114 Broad River Road (Tract 273)

1.1 Purpose

The referenced sites are included on the SCDHEC Leaking Underground Storage Tank (LUST) database and are known to have subsurface petroleum-based soil and / or groundwater contamination. The purpose of the LSAs was to identify significant concentrations of chemicals of concern (COC) in the subsurface soil in areas of potential new right of way / approximate construction limits that would potentially be encountered during road related work at the referenced sites. Borings outside new road construction areas were installed to shallower depths as it is understood that work will primarily include building demolition, pavement removal and site grading (shallow disturbances). Borings in proposed new ROW areas were typically installed to deeper depths as deeper soil disturbance may be necessary here.

1.2 Scope of Services

- ARM obtained current SCDHEC information for each site as it pertains to known soil / groundwater contamination.
- ARM notified SC 811 in order to have subsurface utilities identified.
- ARM contracted with Reed Tech, a private utility locator, to conduct an electromagnetic / ground penetrating radar (EM/GPR) survey at Tracts 272 and 273 in an attempt to determine if USTs remain onsite.
- On March 21 and 22, a Geoprobe was used to install 32 soil borings in representative areas of the potential area of new ROW / area of new road construction activity and / or the overall site, depending on the location. The soil borings were installed to depths of approximately 5 to 15 feet below ground surface (bgs). Areas of planned new road construction areas included deeper borings.

Borings outside new road construction areas were shallower as it is understood that work will primarily include building demolition, pavement removal and site grading (shallow disturbances). The soil borings were field screened at 2 to 5 foot depth intervals with an Organic Vapor Analyzer (OVA) for evidence of organic vapors.

- Based on the field screening, one soil sample from each boring was collected and submitted to a South Carolina certified laboratory for analysis. As the concern appears to be from gas station sites, the laboratory analyses consisted of benzene, toluene, ethylbenzene, xylenes (BTEX), naphthalene and methyl tert butyl ether (MTBE) by EPA Method 8260, and Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8270. These compounds are typically associated with petroleum fuel-based contamination.
- A Summary Report has been compiled (this document), to include field data, lab data and interpretation.

2.0 Results

A general site description, site location, general background information, and soil sampling results for the referenced sites are summarized in the following sections.

2.1 Former Port Unit 288, 2224 Broad River Road (Tract 206)

The site is a former gas station and is the current location of a North American Title Loans business. A potential area of new ROW / area of new road construction activity has been identified encroaching onto the site from Broad River Road.

Subsurface soils at the site were primarily sandy clays, silty sandy clays, and silty clays. Several of the borings included small quartz cobbles at deeper depths. Four borings were completed to depths of 12 feet. The soil borings were field screened with an OVA at 2 to 5 foot intervals. The OVA data is summarized in Table 1 below. The soil boring / soil sample locations are indicated on Figure 1 in Attachment A.

**Table 1 – Soil Screening (OVA) Results –
Former Port Unit 288 (North American Title Loans), 2224 Broad River Rd**

Soil Boring ID	Soil OVA Results (PPM)			
	2 ft	5 ft	10 ft	12 ft
SB-1	1.0	0.9	1.3	1.7*
SB-2	0.9	1.4	0.8	0.9*
SB-3	0.9	0.9	1.0	1.0*
SB-4	0.4	0.3	0.8	0.8*

* Sample collected for laboratory analysis

The OVA field screening results did not indicate the significant presence of volatile organic compounds (VOCs) in any of the soil borings. One sample from each boring was submitted to a South Carolina certified laboratory for analysis of BTEX, naphthalene, MTBE and PAHs. The positive laboratory analytical results for the soil samples are summarized in Table 2 below. DHEC Risk Based Screening Levels (RBSLs) for clayey soils are provided as a primary regulatory comparison standard, if available and applicable. EPA Regional Screening Levels (industrial) and the EPA Maximum Contaminant Level (MCL) based Site Screening Level (SSL) are also provided. The MCL based SSL is an indicator of a contaminants potential to leach to groundwater at concentrations greater than the groundwater MCL. The complete laboratory analytical data is included in Attachment B.

**Table 2 – Laboratory Analytical Data Positive Results
Former Port Unit 288 (North American Title Loans), 2224 Broad River Rd**

Sample ID	Analyte	Sample Result (ug/kg)	DHEC RBSL*	Industrial Soil RSL ** (ug/kg)	MCL Based SSL *** (ug/kg)
SB-4	Benzo(b)fluoranthene	21	N/A	21,000	N/A
	Fluoranthene	18	N/A	3,000,000	N/A
	Pyrene	16	N/A	2,300,000	N/A

*DHEC Risk Based Screening Level (Protection of Groundwater)

**RSL = EPA Regional Screening Level

***SSL = Protection of Groundwater Soil Screening Level

Very low concentrations of 3 PAHs were detected in sample SB-4. DHEC RBSLs are not available for these 3 PAHs. The concentrations of these PAHs were found to be significantly less than the EPA Industrial Soil RSL. There were no detections of the target COCs in any of the other soil samples collected. Therefore, based on the laboratory analytical results and the OVA soil screening results, it is not expected that petroleum fuel-based soil contamination would be encountered in the area of potential new ROW / areas of new road construction adjacent to the 2224 Broad River Road site.

2.2 Circle K 2703105, 2220 Broad River Road (Tract 207)

The site is an active Circle K gas station. A potential area of new ROW / area of new road construction activity has been identified encroaching onto the site from Broad River Road.

Subsurface soils at the site were primarily sandy clays, silty sandy clays, and silty clays. Several of the borings included small quartz cobbles at deeper depths. Three borings were completed to depths of 12 to 15 feet. The soil borings were field screened with an OVA at 2 to 5 foot intervals. The OVA data is summarized in Table 3 below. The soil boring / soil sample locations are indicated on Figure 2 in Attachment A.

**Table 3 – Soil Screening (OVA) Results
Circle K 2703105, 2220 Broad River Road (Tract 207)**

Soil Boring ID	Soil OVA Results (PPM)				
	2 ft	5 ft	10 ft	12 ft	15
SB-1	1.2	0.4	1.2	Not Screened	1.4*
SB-2	0.1	0.8	1.1	1.3*	Not Screened
SB-3	1.1	0.8	0.9	1.2*	Not Screened

* Sample collected for laboratory analysis

The OVA field screening results did not indicate the significant presence of volatile organic compounds (VOCs) in any of the soil borings. The deepest sample from each boring was submitted to a South Carolina certified laboratory for analysis of BTEX, naphthalene, MTBE and PAHs.

None of the target COCs were detected in the samples collected for analysis. Therefore, based on the laboratory analytical results and the OVA soil screening results, it is not expected that petroleum fuel-based soil contamination would be encountered in the area of potential new ROW / areas of new road construction adjacent to the 2220 Broad River Road site. The complete laboratory analytical data is included in Attachment B.

2.3 Former Shepperds Texaco, 2116 Broad River Road (Tract 272)

The former Shepperds Texaco site, at 2116 Broad River Road, is a former gasoline service station. The online DHEC UST registry database indicates that four USTs have been removed from the site; however, a date of removal is unknown. DHEC file information, obtained through the FOI process, indicates the approximate location of the former UST basin to have been adjacent to the southeastern property line. ARM contracted with Reed Tech, a private utility locator, to conduct an EM/GPR survey at the site in an attempt to determine if USTs remain onsite. No indications of remaining USTs were discovered onsite through this process. Documentation from Reed Tech is included in Attachment C.

The Tier 1 report for the site, dated September 21, 2009, shows naphthalene in soil concentrations in excess of DHEC Risk Based Screening Levels (RBSLs) in the vicinity of the dispenser islands at depths ranging from 4 to 8 feet below ground surface. The three monitoring wells installed for the Tier 1 only exhibited concentrations of MTBE that were greater than groundwater RBSLs.

The Tier 2 report for the site, dated June 29, 2012, indicates shallow groundwater depths of approximately 20 to 40 feet. The Tier 2 report also indicates that MTBE appeared to be the constituent of concern in groundwater and that it was likely a result of migration from the adjacent RaceTrac site. The most recent groundwater monitoring report for the site, dated December 20, 2019, indicated that in onsite monitoring wells, only MTBE was detected on the northeastern portion of the subject property at a concentration exceeding the groundwater RBSL, and also concluded that the MTBE was from the adjacent RaceTrac site.

In summary, the available DHEC file information does not indicate widespread shallow soil contamination, with naphthalene found near the dispenser islands at depths of 4 to 8 feet. Groundwater at the site does not appear to be significantly impacted, except with MTBE on the northeastern portion. A letter of No Further Action (NFA) was issued for the site, dated January 13, 2014, indicating that based on the available information, DHEC will not require further assessment or remediation of the site, as far as conditions pertain to the documented UST release.

For this current assessment, subsurface soils at the site were found to be primarily silty sandy clay to tight silty clay. Three borings were completed in the potential new ROW / area of new roadway construction to depths of 10 feet and nine borings were completed across the site to depths of 8 feet. The soil borings were field screened with an OVA at 2 to 5 foot intervals. The OVA data is summarized in Table 4 below. The soil boring / soil sample locations are indicated on Figure 3 in Attachment A.

**Table 4 – Soil Screening (OVA) Results
Former Shepperds Texaco, 2116 Broad River Road (Tract 272)**

Soil Boring ID	Soil OVA Results (PPM)					
	2 ft	4 ft	5 ft	6 ft	8 ft	10 ft
SB-1	0.2	Not Screened	0.5	Not Screened	Not Screened	0.4*
SB-2	0.2	Not Screened	0.5	Not Screened	Not Screened	0.3*
SB-3	0.5	Not Screened	0.3	Not Screened	Not Screened	0.2*
SB-4	1.9	21.8	Not Screened	25.2	33.2*	Not Screened
SB-5	34.5	316	Not Screened	900	1053*	Not Screened
SB-6	253.1	290.4*	Not Screened	85.7	103.3	Not Screened
SB-7	6.8	22.7	Not Screened	43.2*	9.3	Not Screened
SB-8	293.5	50.1	Not Screened	194	952*	Not Screened
SB-9	1.7	1.0	Not Screened	0.8	1.0*	Not Screened
SB-10	0.7	0.7	Not Screened	0.4	0.8*	Not Screened
SB-11	0.3	0.3	Not Screened	0.3	0.6*	Not Screened
SB-12	0.1	0.3	Not Screened	0.2	0.1*	Not Screened

* Sample collected for laboratory analysis

The OVA field screening results indicated significant VOC based vapors in several of the site borings, but not in the borings located in the potential new ROW / area of new roadway construction. The OVA based evidence of contamination was primarily in the vicinity of the former dispensers, which is in substantial agreement with past DHEC directed assessments. Based on the field screening one soil sample from each boring was submitted to a South Carolina certified laboratory for analysis of BTEX, naphthalene, MTBE, and PAHs. The positive laboratory analytical results for the soil samples are summarized in Table 5 below. DHEC RBSLs for clayey soils, at 10 to 15 feet above the water table, are provided as the primary regulatory comparison standard, if available and applicable. EPA Regional Screening Levels (industrial) and the EPA MCL based SSL are also provided. The MCL based SSL is an indicator of a contaminants potential to leach to groundwater at concentrations greater than the groundwater MCL. The complete laboratory analytical data is included in Attachment B.

Table 5 – Laboratory Analytical Data Positive Results

Former Shepperds Texaco, 2116 Broad River Road (Tract 272)

Sample ID	Analyte	Sample Result (ug/kg)	DHEC RBSL*	Industrial Soil RSL** (ug/kg)	MCL Based SSL*** (ug/kg)
SB-5 (8 ft)	Ethylbenzene	9,500	6,168	25,000	780
	Naphthalene	5,900	69	8,600	NA
	Xylenes	40,000	22,495	2,500,000	9,900
	Phenanthrene	23	NA	NA	NA
SB-6 (4 ft)	Ethylbenzene	3,100	6,168	25,000	780
	Xylenes	6,900	22,495	2,500,000	9,900
	Naphthalene	2,600	69	8,600	N/A
SB-7 (6 ft)	Ethylbenzene	800	6,168	25,000	780
	Xylenes	6,900	22,495	2,500,000	9,900
	Naphthalene	930	69	8,600	NA
	Benzo(b)fluoranthene	120	7,439,000	21,000	NA
	Fluoranthene	140	NA	30,000,000	NA
SB-8 (8 ft)	Pyrene	110	NA	23,000,000	NA
	Ethylbenzene	1,200	1,551	25,000	780
	Naphthalene	3,400	47	8,600	NA
	Xylenes	4,400	22,495	2,500,000	9,900
	Acenaphthene	24	NA	45,000,000	NA
	Fluorene	31	NA	30,000,000	NA
SB-10 (8 ft)	Phenanthrene	53	NA	NA	NA
	MTBE	63	NA	210,000	NA
SB-11 (8 ft)	Naphthalene	240	47	8,600	NA
	Benzo(b)fluoranthene	90	7,439,000	21,000	NA
	Fluoranthene	180	NA	30,000,000	NA
	Phenanthrene	86	NA	NA	NA
	Pyrene	170	NA	23,000,000	NA

*DHEC Risk Based Screening Level (for clay rich soil with separation distance of 10-15 feet)

**RSL = EPA Regional Screening Level

***SSL = Protection of Groundwater Soil Screening Level

Significant petroleum based soil contamination was detected in samples SB-5, SB-6, SB-7, SB-8, and SB 10. Based on the OVA field screening results and the laboratory analytical results, soil contamination in the dispenser area appears to be within the 2 to 8 foot depth range. Therefore, shallow excavation in the former dispenser area may encounter petroleum contaminated soil. Based on the OVA screening and the laboratory analytical results, soil contamination is present in the vicinity of the former UST basin.

However, contamination here appears to be deeper, in the 8 foot range, and therefore, shallow excavation in this area would be much less likely to encounter petroleum based soil contamination. Based on the OVA field screening and laboratory results, there is a low potential for encountering petroleum based soil contamination in the area of potential new ROW / areas of new road construction adjacent to the 2116 Broad River Road site. Additionally, there is no known current or historic source of petroleum based soil contamination within the area of potential new ROW / areas of new road construction adjacent to the 2116 Broad River Road site. Groundwater at the site has been documented to be approximately 20 to 40 feet below ground surface and only appears to be impacted by MTBE on the northeastern portion of the site. Based on the available information, and the depth to groundwater, it is not expected that contaminated groundwater would be encountered during work at the site.

2.4 Former Racetrac 978, 2114 Broad River Road (Tract 273)

The former RaceTrac 978 site, at 2114 Broad River Road, is a former gasoline service station. The online DHEC UST registry database indicates that three USTs were removed from the site and that one was abandoned in place by filling with an inert material. However, DHEC file information, obtained through the FOI process, does indicate that the fourth tank has since been removed. The file information also indicates the approximate location of the former UST basin to have been adjacent to the southeastern property line. ARM contracted with Reed Tech, a private utility locator, to conduct an EM/GPR survey at the site in an attempt to determine if USTs remain onsite. No indications of remaining USTs were discovered onsite through this process. Documentation from Reed Tech is included in Attachment C.

An Investigation of Potential Soil Contamination report, dated, December 9, 1991, shows significant petroleum-based soil contamination adjacent to the UST basin at a depth of 13 feet. OVA results also show that organic vapor measurements increase with depth, becoming most significant at the depth of the soil sample collected.

A Product Line Closure report, dated March 31, 2010, documented the closure of a fuel product line that ran from the southeastern-most dispenser island toward the UST basin. A sample collected adjacent to the dispenser island, at a depth of 3 feet below ground surface, exhibited significant petroleum-based soil contamination. Subsequent to this report DHEC considered a second release to have occurred.

The site has undergone many rounds of Advanced Fluid Vapor Recovery (AFVR) events in an effort to remediate groundwater contamination. The most recent Groundwater Monitoring report for the site, dated June 11, 2020, indicates that significant groundwater contamination remains on site, in the area adjacent to the northeast of the former UST basin. Although contamination above RBSLs remains, DHEC has issued a risk-based Conditional NFA for the site, dated May 7, 2021. The most recent groundwater data indicates that groundwater is located approximately 35 feet below ground surface at the site.

For this current assessment, subsurface soils at the site were found to be primarily silty sandy clay to tight silty clay. Three borings were completed in the potential new ROW / area of new roadway construction to depths of 12 feet and ten borings were completed across the site to depths of 8 feet. The soil borings were field screened with an OVA at 2 to 5 foot intervals. The OVA data is summarized in Table 6 below. The soil boring / soil sample locations are indicated on Figure 4 in Attachment A.

**Table 6 – Soil Screening (OVA) Results
Former Racetrac 978, 2114 Broad River Road (Tract 273)**

Soil Boring ID	Soil OVA Results (PPM)						
	2 ft	4 ft	5 ft	6 ft	8 ft	10 ft	12 ft
SB-1	1.7	Not Screened	0.6	Not Screened	Not Screened	0.7	1.2*
SB-2	1.9	Not Screened	0.3	Not Screened	Not Screened	0.3	0.8*
SB-3	0.7	Not Screened	0.4	Not Screened	Not Screened	0.5	0.9*
SB-4	1.5	1.9	Not Screened	5.7	7.3*	Not Screened	Not Screened
SB-5	5.5	178.2	Not Screened	17.2	769*	Not Screened	Not Screened
SB-6	1.3	2.5	Not Screened	16.9*	5.4	Not Screened	Not Screened
SB-7	1.2	1.4	Not Screened	0.6	2.2*	Not Screened	Not Screened
SB-8	27.0	6.5	Not Screened	63.4*	1.1	Not Screened	Not Screened
SB-9	26.0*	2.8	Not Screened	2.7	2.5	Not Screened	Not Screened
SB-10	4.4	2.4	Not Screened	1.9	1.9*	Not Screened	Not Screened
SB-11	0.6	3.0	Not Screened	0.6	1,59*6	Not Screened	Not Screened
SB-12	1.2	1.0	Not Screened	0.4	0.6*	Not Screened	Not Screened
SB-13	0.4	0.6	Not Screened	0.2	1,702*	Not Screened	Not Screened

* Sample collected for laboratory analysis

The OVA field screening results indicated the significant presence of volatile organic compounds (VOCs) primarily at the deeper depth near the UST basin; however, SB-5 also exhibited significant organic vapors at a depth of 8 feet. Based on the field screening one soil sample from each boring was submitted to a South Carolina certified laboratory for analysis of BTEX, naphthalene, MTBE, and PAHs. The positive laboratory analytical results for the soil samples are summarized in Table 7 below. DHEC RBSLs for clayey

soils, at 10 to 15 feet above the water table, are provided as the primary regulatory comparison standard, if available and applicable. EPA Regional Screening Levels (industrial) and the EPA MCL based SSL are also provided. The MCL based SSL is an indicator of a contaminants potential to leach to groundwater at concentrations greater than the groundwater MCL. The complete laboratory analytical data is included in Attachment B.

**Table 7 – Laboratory Analytical Data Positive Results
Former Racetrac 978, 2114 Broad River Road (Tract 273)**

Sample ID	Analyte	Sample Result (ug/kg)	DHEC RBSL*	Industrial Soil RSL** (ug/kg)	MCL Based SSL*** (ug/kg)
SB-4 (8 ft)	Ethylbenzene	20	6,168	25,000	780
	Xylenes	330	22,495	2,500,000	9,900
SB-5 (8 ft)	Phenanthrene	19	NA	NA	NA
SB-6 (6 ft)	Xylenes	18	22,495	2,500,000	9,900
	Naphthalene	210	69	8,600	NA
SB-8 (6 ft)	Naphthalene	110	69	8,600	NA
	Acenaphthene	47	NA	45,000,000	NA
	Fluorene	78	NA	30,000,000	NA
	Phenanthrene	180	NA	NA	NA
	Pyrene	24	NA	230,00,000	NA
SB-11 (8 ft)	Ethylbenzene	52,000	6,168	25,000	780
	Naphthalene	23,000	69	8,600	NA
	Xylenes	280,000	22,495	2,500,000	9,900
	Phenanthrene	19	NA	NA	NA
SB-13 (8 ft)	Ethylbenzene	62,000	6,168	25,000	780
	Naphthalene	23,000	69	8,600	NA
	Toluene	110,000	1,167	47,000,000	690
	Xylenes	380,000	22,495	2,500,000	9,900
	Acenaphthene	26	NA	45,000,000	NA
	Anthracene	32	NA	230,000,000	NA
	Fluorene	24	NA	30,000,000	NA
	Phenanthrene	45	NA	NA	NA

*DHEC Risk Based Screening Level (for clay rich soil with separation distance of 10-15 feet)

**RSL = EPA Regional Screening Level

***SSL = Protection of Groundwater Soil Screening Level

Significant petroleum-based soil contamination was detected in samples SB-6, SB-8, SB-11, and SB 13. Although lab results do not show significant contamination for SB-5, the OVA screening results did indicate significant organic vapors in this boring at the 2 foot and 8 foot depths. Based on the OVA field screening results and the laboratory analytical results, soil contamination in the dispenser areas appears to be within the 2 to 8 foot depth range. Additionally, the previously referenced Product Line Closure report, dated March

31, 2010, documented the closure of a fuel product line that ran from the southeastern-most dispenser island toward the UST basin. A sample collected adjacent to the dispenser island, at a depth of 3 feet below ground surface, exhibited significant petroleum-based soil contamination. Therefore, shallow excavation in the former dispenser areas may encounter petroleum contaminated soil. Based on the OVA screening and the laboratory analytical results, soil contamination is present in the vicinity of the former UST basin. However, contamination here appears to be deeper, in the 8 foot range, and therefore, shallow excavation in this area would be much less likely to encounter petroleum based soil contamination. Based on the OVA field screening and laboratory results, there is a low potential for encountering petroleum-based soil contamination in the area of potential new ROW / areas of new road construction adjacent to the 2116 Broad River Road site. Additionally, there is no known current or historic source of petroleum-based soil contamination within the area of potential new ROW / areas of new road construction adjacent to the 2114 Broad River Road site. Groundwater at the site has been documented to be approximately 35 feet below ground surface. Based on the available information, and the depth to groundwater, it is not expected that contaminated groundwater would be encountered during work at the site.

3.0 Conclusions

Detailed results for the LSA conducted at each site are provided above. The following sites exhibited evidence of subsurface contamination that may warrant consideration during project construction activities, depending on depths of disturbance:

- Former Shepperds Texaco, 2116 Broad River Road (Tract 272)
- Former Racetrac 978, 2114 Broad River Road (Tract 273)

At each of the above listed sites, shallow petroleum-based soil contamination appears to be confined to the dispenser island areas and would range from approximately 2 feet to 8 feet in depth. It is understood that only shallow disturbances will occur in these areas, and therefore, the potential for encountering contaminated soil would be reduced the shallower the disturbance. Contamination is likely to be located beneath the former dispenser islands and dispenser piping. Soil contamination originating from the UST basins is deeper in depth, closer to 8 feet, and would likely not be encountered during shallow disturbances. Contamination at each of these sites appears to be petroleum fuel based, originating from registered UST systems.

It should also be noted that, based on the results of these assessments, in areas of potential new ROW / areas of new road construction that have been defined adjacent to all four of the sites considered in this report, there is a low potential for encountering contaminated soil during road construction activities. These areas do not have known sources of shallow soil contamination (UST components) and none of the deeper soil borings in these areas exhibited evidence of contamination.

These sites have been assessed by DHEC under the State Underground Petroleum Environmental Response Bank (SUPERB) regulations. The DHEC directed assessments are covered by SUPERB funding and the responsibility for the UST related contamination typically remains with the responsible party of record. However, the LSAs in this document are an effort to identify contamination that would potentially be encountered during road or utility construction activities. Subsurface contamination that is encountered and/or excavated should be handled / disposed of properly and all appropriate worker protection measures should be undertaken. SUPERB funding will not cover disposal costs for the contaminated soil and or groundwater encountered during construction activities. No activities that will exacerbate existing contamination, or cause increased contaminant migration, should be conducted.

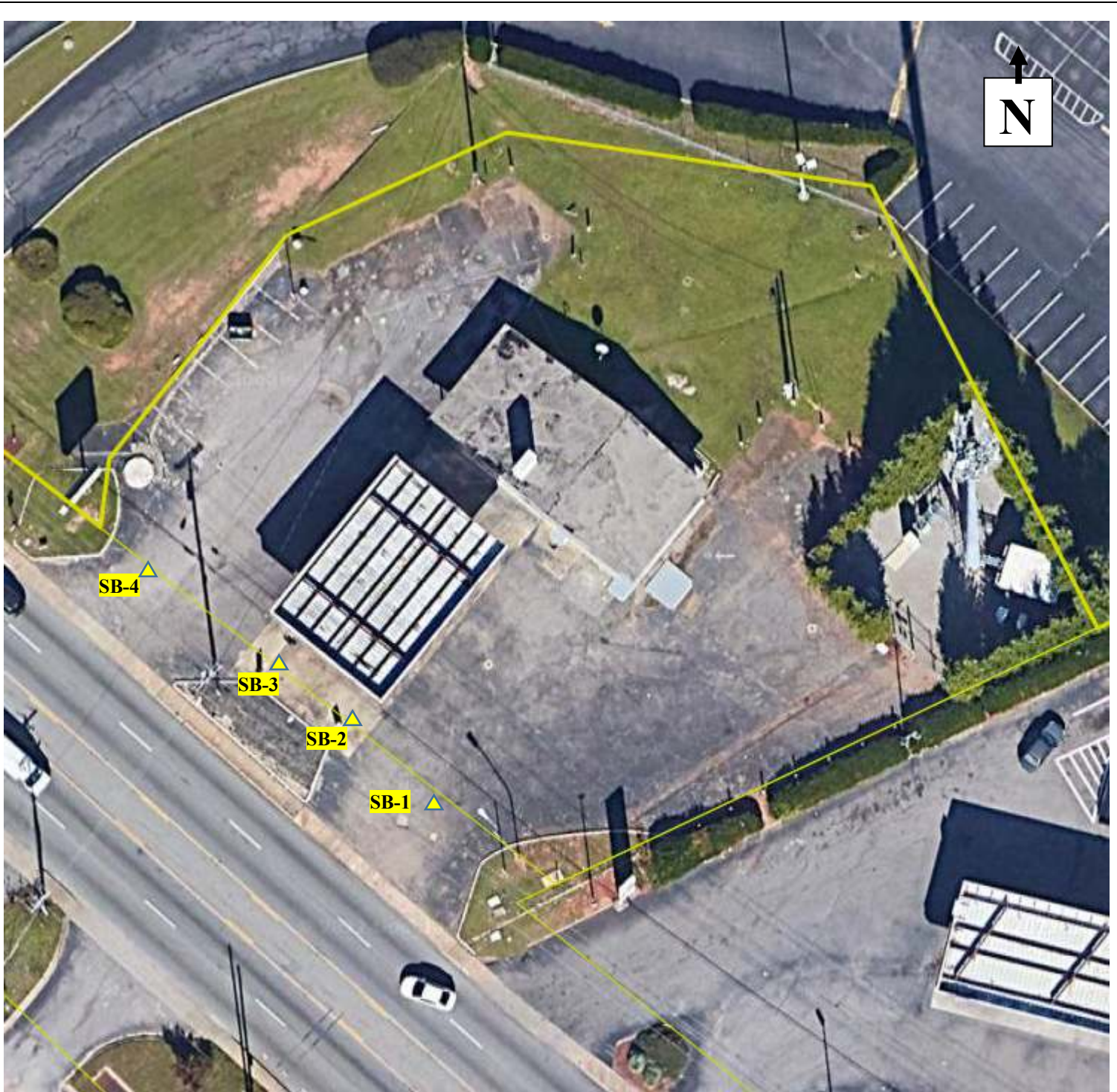
Attachment A

Figure 1 – Former Port Unit 288 (North American Title Loans),
2224 Broad River Road (Tract 206)

Figure 2 - Circle K 2703105, 2220 Broad River Road (Tract 207)

Figure 3 - Former Shepperds Texaco, 2116 Broad River Road (Tract 272)

Figure 4 - Former Racetrac 978, 2114 Broad River Road (Tract 273)



Project

Phase II Limited Subsurface Assessments
 CCR Project – Broad River Road
 Columbia, South Carolina

Figure 1

Site Plan Showing Soil Boring Locations
 2224 Broad River Rd. (Tract 206)
 SB● = Soil Boring with Contamination
 SB▲ = Clean Soil Boring

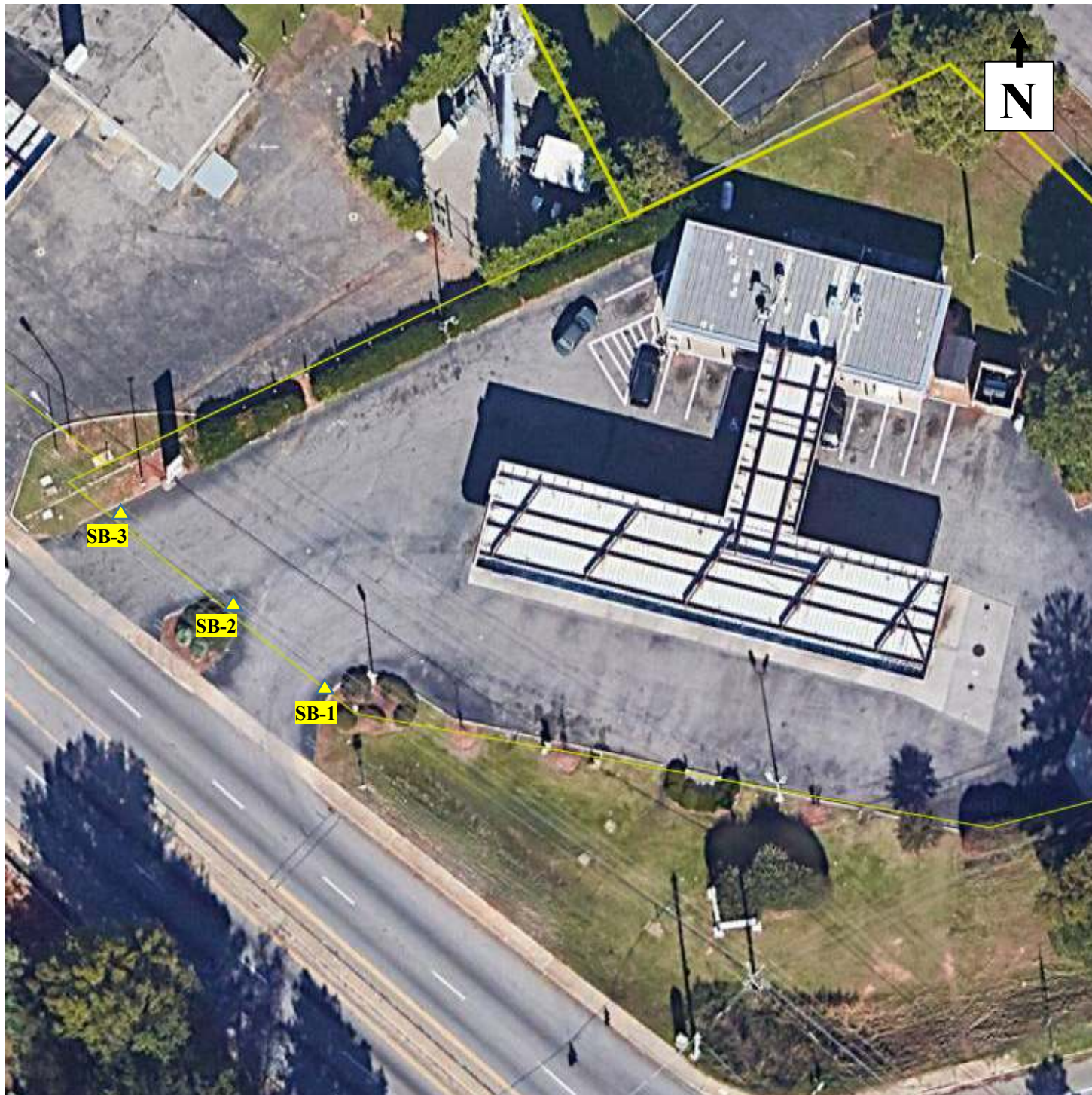
Scale

1 in. = 40 ft (Approx.)

Date

April 2022

ARM ENVIRONMENTAL
 SERVICES, INC.



Project

Phase II Limited Subsurface Assessments
 CCR Project – Broad River Road
 Columbia, South Carolina

Figure 2

Site Plan Showing Soil Boring Locations
 2220 Broad River Rd. (Tract 207)
 SB● = Soil Boring with Contamination
 SB▲ = Clean Soil Boring

Scale

1 in. = 40 ft (Approx.)

Date

April 2022

ARM ENVIRONMENTAL SERVICES, INC.



Project

Phase II Limited Subsurface Assessments
 CCR Project – Broad River Road
 Columbia, South Carolina

Figure 3

Site Plan Showing Soil Boring Locations
 2116 Broad River Rd. (Tract 272)
 SB● = Soil Boring with Contamination
 SB▲ = Clean Soil Boring

Scale

1 in. = 40 ft (Approx.)

Date

April 2022

ARM ENVIRONMENTAL
 SERVICES, INC.



Project

Phase II Limited Subsurface Assessments
 CCR Project – Broad River Road
 Columbia, South Carolina

Figure 4

Site Plan Showing Soil Boring Locations
 2114 Broad River Rd. (Tract 273)
 SB● = Soil Boring with Contamination
 SB▲ = Clean Soil Boring

Scale

1 in. = 40 ft (Approx.)

Date

April 2022

ARM ENVIRONMENTAL
 SERVICES, INC.

Attachment B

Laboratory Analytical Data



Report of Analysis

ARM Environmental Services, Inc.
1210 1st Street S. Ext.
Columbia, SC 29209
Attention: Richard Ciccolella

Project Name: 2224 Broad River Road
Project Number: 08-300-22
Lot Number: **XC24073**
Date Completed: 04/06/2022

04/11/2022 11:34 AM
Approved and released by:
Project Manager II: **Lucas Odom**



The electronic signature above is the equivalent of a handwritten signature.
This report shall not be reproduced, except in its entirety, without the written approval of Pace Analytical Services, LLC.

PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative ARM Environmental Services, Inc. Lot Number: XC24073

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

Where applicable, all soil sample results (including LOQ and DL if requested) are corrected for dry weight unless flagged with a "W" qualifier.

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

VOCs by GC/MS

Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 36429. An LCS/LCSD was run in lieu of an MS/MSD.

Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 37057. An LCS/LCSD was run in lieu of an MS/MSD.

PACE ANALYTICAL SERVICES, LLC

Sample Summary ARM Environmental Services, Inc. Lot Number: XC24073

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-1	Solid	03/21/2022 1453	03/24/2022
002	SB-2	Solid	03/21/2022 1521	03/24/2022
003	SB-3	Solid	03/21/2022 1543	03/24/2022
004	SB-4	Solid	03/21/2022 1620	03/24/2022

(4 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary ARM Environmental Services, Inc. Lot Number: XC24073

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	SB-4	Solid	Benzo(b)fluoranthene	8270E	21		ug/kg	8
004	SB-4	Solid	Fluoranthene	8270E	18		ug/kg	8
004	SB-4	Solid	Pyrene	8270E	16		ug/kg	8

(3 detections)

Description: SB-1

Matrix: Solid

Date Sampled: 03/21/2022 1453

% Solids: 86.9 03/24/2022 2321

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/29/2022 1843	JM1		36429	5.53

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		5.2	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		5.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.2	ug/kg	1
Naphthalene	91-20-3	8260D	ND		5.2	ug/kg	1
Toluene	108-88-3	8260D	ND		5.2	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		10	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		93	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		104	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0343	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		15	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		15	ug/kg	1
Anthracene	120-12-7	8270E	ND		15	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		15	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		15	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		15	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		15	ug/kg	1
Chrysene	218-01-9	8270E	ND		15	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		15	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		15	ug/kg	1
Fluorene	86-73-7	8270E	ND		15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		15	ug/kg	1
Naphthalene	91-20-3	8270E	ND		15	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		15	ug/kg	1
Pyrene	129-00-0	8270E	ND		15	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		81	24-137
Nitrobenzene-d5		76	12-144
Terphenyl-d14		89	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: SB-2

Matrix: Solid

Date Sampled: 03/21/2022 1521

% Solids: 84.5 03/24/2022 2321

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260D	1	04/04/2022 2110	JM1		37057	4.92

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		6.0	ug/kg	2
Ethylbenzene	100-41-4	8260D	ND		6.0	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		6.0	ug/kg	2
Naphthalene	91-20-3	8260D	ND		6.0	ug/kg	2
Toluene	108-88-3	8260D	ND		6.0	ug/kg	2
Xylenes (total)	1330-20-7	8260D	ND		12	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		98	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0408	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		15	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		15	ug/kg	1
Anthracene	120-12-7	8270E	ND		15	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		15	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		15	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		15	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		15	ug/kg	1
Chrysene	218-01-9	8270E	ND		15	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		15	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		15	ug/kg	1
Fluorene	86-73-7	8270E	ND		15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		15	ug/kg	1
Naphthalene	91-20-3	8270E	ND		15	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		15	ug/kg	1
Pyrene	129-00-0	8270E	ND		15	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		84	24-137
Nitrobenzene-d5		76	12-144
Terphenyl-d14		92	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/29/2022 1929	JM1		36429	5.09

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		5.7	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		5.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.7	ug/kg	1
Naphthalene	91-20-3	8260D	ND		5.7	ug/kg	1
Toluene	108-88-3	8260D	ND		5.7	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		11	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		93	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		101	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0432	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		15	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		15	ug/kg	1
Anthracene	120-12-7	8270E	ND		15	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		15	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		15	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		15	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		15	ug/kg	1
Chrysene	218-01-9	8270E	ND		15	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		15	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		15	ug/kg	1
Fluorene	86-73-7	8270E	ND		15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		15	ug/kg	1
Naphthalene	91-20-3	8270E	ND		15	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		15	ug/kg	1
Pyrene	129-00-0	8270E	ND		15	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		85	24-137
Nitrobenzene-d5		77	12-144
Terphenyl-d14		92	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: SB-4

Matrix: Solid

Date Sampled: 03/21/2022 1620

% Solids: 87.3 03/24/2022 2321

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/29/2022 1953	JM1		36429	5.01

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		5.7	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		5.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.7	ug/kg	1
Naphthalene	91-20-3	8260D	ND		5.7	ug/kg	1
Toluene	108-88-3	8260D	ND		5.7	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		11	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		106	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0457	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		15	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		15	ug/kg	1
Anthracene	120-12-7	8270E	ND		15	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		15	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	21		15	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		15	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		15	ug/kg	1
Chrysene	218-01-9	8270E	ND		15	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		15	ug/kg	1
Fluoranthene	206-44-0	8270E	18		15	ug/kg	1
Fluorene	86-73-7	8270E	ND		15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		15	ug/kg	1
Naphthalene	91-20-3	8270E	ND		15	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		15	ug/kg	1
Pyrene	129-00-0	8270E	16		15	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		82	24-137
Nitrobenzene-d5		74	12-144
Terphenyl-d14		88	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ36429-001

Matrix: Solid

Batch: 36429

Prep Method: 5035

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Benzene	ND		1	5.0	ug/kg	03/29/2022 1115
Ethylbenzene	ND		1	5.0	ug/kg	03/29/2022 1115
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	03/29/2022 1115
Naphthalene	ND		1	5.0	ug/kg	03/29/2022 1115
Toluene	ND		1	5.0	ug/kg	03/29/2022 1115
Xylenes (total)	ND		1	10	ug/kg	03/29/2022 1115
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		94	47-138			
1,2-Dichloroethane-d4		95	53-142			
Toluene-d8		102	68-124			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36429-002

Matrix: Solid

Batch: 36429

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	50	48		1	95	70-130	03/29/2022 1028
Ethylbenzene	50	48		1	96	70-130	03/29/2022 1028
Methyl tertiary butyl ether (MTBE)	50	45		1	89	70-130	03/29/2022 1028
Naphthalene	50	48		1	96	70-130	03/29/2022 1028
Toluene	50	52		1	105	70-130	03/29/2022 1028
Xylenes (total)	100	96		1	96	70-130	03/29/2022 1028
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		88	47-138				
1,2-Dichloroethane-d4		94	53-142				
Toluene-d8		107	68-124				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - LCSD

Sample ID: XQ36429-003

Matrix: Solid

Batch: 36429

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Benzene	50	47		1	93	2.4	70-130	20	03/29/2022 1052
Ethylbenzene	50	46		1	91	4.9	70-130	20	03/29/2022 1052
Methyl tertiary butyl ether (MTBE)	50	46		1	91	2.0	70-130	20	03/29/2022 1052
Naphthalene	50	41		1	83	15	70-130	20	03/29/2022 1052
Toluene	50	46		1	91	14	70-130	20	03/29/2022 1052
Xylenes (total)	100	91		1	91	5.3	70-130	20	03/29/2022 1052
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		92	47-138						
1,2-Dichloroethane-d4		97	53-142						
Toluene-d8		93	68-124						

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ37057-001

Matrix: Solid

Batch: 37057

Prep Method: 5035

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Benzene	ND		1	5.0	ug/kg	04/04/2022 1544
Ethylbenzene	ND		1	5.0	ug/kg	04/04/2022 1544
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	04/04/2022 1544
Naphthalene	ND		1	5.0	ug/kg	04/04/2022 1544
Toluene	ND		1	5.0	ug/kg	04/04/2022 1544
Xylenes (total)	ND		1	10	ug/kg	04/04/2022 1544
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		103	47-138			
1,2-Dichloroethane-d4		96	53-142			
Toluene-d8		93	68-124			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ37057-002

Matrix: Solid

Batch: 37057

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	50	47		1	94	70-130	04/04/2022 1456
Ethylbenzene	50	48		1	96	70-130	04/04/2022 1456
Methyl tertiary butyl ether (MTBE)	50	48		1	95	70-130	04/04/2022 1456
Naphthalene	50	49		1	98	70-130	04/04/2022 1456
Toluene	50	48		1	97	70-130	04/04/2022 1456
Xylenes (total)	100	96		1	96	70-130	04/04/2022 1456
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		92	47-138				
1,2-Dichloroethane-d4		90	53-142				
Toluene-d8		93	68-124				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: XQ37057-003

Matrix: Solid

Batch: 37057

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Benzene	50	47		1	95	0.16	70-130	20	04/04/2022 1620
Ethylbenzene	50	48		1	96	0.067	70-130	20	04/04/2022 1620
Methyl tertiary butyl ether (MTBE)	50	50		1	99	3.7	70-130	20	04/04/2022 1620
Naphthalene	50	51		1	102	3.0	70-130	20	04/04/2022 1620
Toluene	50	48		1	95	1.4	70-130	20	04/04/2022 1620
Xylenes (total)	100	98		1	98	1.7	70-130	20	04/04/2022 1620
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		94	47-138						
1,2-Dichloroethane-d4		92	53-142						
Toluene-d8		94	68-124						

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Semivolatile Organic Compounds by GC/MS - MB

Sample ID: XQ36263-001

Matrix: Solid

Batch: 36263

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1228

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acenaphthene	ND		1	13	ug/kg	03/29/2022 2045
Acenaphthylene	ND		1	13	ug/kg	03/29/2022 2045
Anthracene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(a)anthracene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(a)pyrene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(b)fluoranthene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(g,h,i)perylene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(k)fluoranthene	ND		1	13	ug/kg	03/29/2022 2045
Chrysene	ND		1	13	ug/kg	03/29/2022 2045
Dibenzo(a,h)anthracene	ND		1	13	ug/kg	03/29/2022 2045
Fluoranthene	ND		1	13	ug/kg	03/29/2022 2045
Fluorene	ND		1	13	ug/kg	03/29/2022 2045
Indeno(1,2,3-c,d)pyrene	ND		1	13	ug/kg	03/29/2022 2045
Naphthalene	ND		1	13	ug/kg	03/29/2022 2045
Phenanthrene	ND		1	13	ug/kg	03/29/2022 2045
Pyrene	ND		1	13	ug/kg	03/29/2022 2045
Surrogate	Q	% Rec	Acceptance Limit			
2-Fluorobiphenyl		87	24-137			
Nitrobenzene-d5		79	12-144			
Terphenyl-d14		102	20-127			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36263-002

Matrix: Solid

Batch: 36263

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1228

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acenaphthene	670	560		1	83	12-111	03/29/2022 2109
Acenaphthylene	670	630		1	95	44-122	03/29/2022 2109
Anthracene	670	630		1	94	16-122	03/29/2022 2109
Benzo(a)anthracene	670	560		1	83	40-121	03/29/2022 2109
Benzo(a)pyrene	670	640		1	96	36-114	03/29/2022 2109
Benzo(b)fluoranthene	670	530		1	80	38-123	03/29/2022 2109
Benzo(g,h,i)perylene	670	570		1	85	43-120	03/29/2022 2109
Benzo(k)fluoranthene	670	610		1	92	40-126	03/29/2022 2109
Chrysene	670	570		1	85	41-124	03/29/2022 2109
Dibenzo(a,h)anthracene	670	560		1	84	38-125	03/29/2022 2109
Fluoranthene	670	580		1	88	26-133	03/29/2022 2109
Fluorene	670	600		1	90	19-108	03/29/2022 2109
Indeno(1,2,3-c,d)pyrene	670	590		1	88	42-123	03/29/2022 2109
Naphthalene	670	570		1	85	10-112	03/29/2022 2109
Phenanthrene	670	600		1	89	16-123	03/29/2022 2109
Pyrene	670	640		1	96	34-121	03/29/2022 2109
Surrogate	Q	% Rec	Acceptance Limit				
2-Fluorobiphenyl		85	24-137				
Nitrobenzene-d5		82	12-144				
Terphenyl-d14		99	20-127				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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**Chain of Custody
and
Miscellaneous Documents**

PACE ANALYTICAL SERVICES, LLC



Samples Receipt Checklist (SRC) (ME0018C-15)

Issuing Authority: Pace ENV - WCOL

Revised: 9/29/2020

Page 1 of 1

Sample Receipt Checklist (SRC)

Client: ARM

Cooler Inspected by/date: KDRW / 03/24/2022

Lot #: X124073

Means of receipt: <input checked="" type="checkbox"/> Pace <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?
pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA	
Original temperature upon receipt / Derived (Corrected) temperature upon receipt °C NA / NA °C NA / NA °C %Solid Snap-Cup ID: 22-3	
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C	
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (½" or 6mm in diameter) in any of the VOA vials?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH ₃ /TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote #
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)	
Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA	
Time of preservation NA. If more than one preservative is needed, please note in the comments below.	
Sample(s) NA were received with bubbles >6 mm in diameter.	
Samples(s) NA were received with TRC > 0.5 mg/L. (If #19 is no) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na ₂ S ₂ O ₃) with Shealy ID: NA	
SR barcode labels applied by: KDRW Date: 03/24/2022	
Comments:	



Report of Analysis

ARM Environmental Services, Inc.
1210 1st Street S. Ext.
Columbia, SC 29209
Attention: Richard Ciccolella

Project Name: 2220 Broad River Rd.
Project Number: 08-300-22
Lot Number: **XC24068**
Date Completed: 04/01/2022

04/01/2022 3:57 PM
Approved and released by:
Project Manager II: **Lucas Odom**



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PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative ARM Environmental Services, Inc. Lot Number: XC24068

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

Where applicable, all soil sample results (including LOQ and DL if requested) are corrected for dry weight unless flagged with a "W" qualifier.

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

PACE ANALYTICAL SERVICES, LLC

Sample Summary
ARM Environmental Services, Inc.
Lot Number: XC24068

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-1	Solid	03/21/2022 1304	03/24/2022
002	SB-2	Solid	03/21/2022 1340	03/24/2022
003	SB-3	Solid	03/21/2022 1410	03/24/2022

(3 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary
ARM Environmental Services, Inc.
Lot Number: XC24068

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
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(0 detections)

Description: SB-1

Matrix: Solid

Date Sampled: 03/21/2022 1304

% Solids: 82.0 03/24/2022 2321

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 1806	JM1		36259	5.26

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		5.8	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		5.8	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.8	ug/kg	1
Naphthalene	91-20-3	8260D	ND		5.8	ug/kg	1
Toluene	108-88-3	8260D	ND		5.8	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		12	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		94	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		101	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/29/2022 2242	SCD	03/28/2022 1100	36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		16	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		16	ug/kg	1
Anthracene	120-12-7	8270E	ND		16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		16	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		16	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		16	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		16	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		16	ug/kg	1
Chrysene	218-01-9	8270E	ND		16	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		16	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		16	ug/kg	1
Fluorene	86-73-7	8270E	ND		16	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		16	ug/kg	1
Naphthalene	91-20-3	8270E	ND		16	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		16	ug/kg	1
Pyrene	129-00-0	8270E	ND		16	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		78	24-137
Nitrobenzene-d5		77	12-144
Terphenyl-d14		95	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: SB-2

Matrix: Solid

Date Sampled: 03/21/2022 1340

% Solids: 85.4 03/24/2022 2321

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 1829	JM1		36259	5.96

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		4.9	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		4.9	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		4.9	ug/kg	1
Naphthalene	91-20-3	8260D	ND		4.9	ug/kg	1
Toluene	108-88-3	8260D	ND		4.9	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		9.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		94	47-138
1,2-Dichloroethane-d4		101	53-142
Toluene-d8		98	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 1413	SCD	03/28/2022 1100	36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		15	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		15	ug/kg	1
Anthracene	120-12-7	8270E	ND		15	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		15	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		15	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		15	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		15	ug/kg	1
Chrysene	218-01-9	8270E	ND		15	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		15	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		15	ug/kg	1
Fluorene	86-73-7	8270E	ND		15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		15	ug/kg	1
Naphthalene	91-20-3	8270E	ND		15	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		15	ug/kg	1
Pyrene	129-00-0	8270E	ND		15	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		86	24-137
Nitrobenzene-d5		87	12-144
Terphenyl-d14		93	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 1852	JM1		36259	4.65
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run	
Benzene	71-43-2	8260D	ND		6.1	ug/kg	1	
Ethylbenzene	100-41-4	8260D	ND		6.1	ug/kg	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		6.1	ug/kg	1	
Naphthalene	91-20-3	8260D	ND		6.1	ug/kg	1	
Toluene	108-88-3	8260D	ND		6.1	ug/kg	1	
Xylenes (total)	1330-20-7	8260D	ND		12	ug/kg	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Bromofluorobenzene		91	47-138					
1,2-Dichloroethane-d4		94	53-142					
Toluene-d8		102	68-124					

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0338	SCD	03/28/2022 1100	36249
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		15	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		15	ug/kg	1
Anthracene	120-12-7	8270E	ND		15	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		15	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		15	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		15	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		15	ug/kg	1
Chrysene	218-01-9	8270E	ND		15	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		15	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		15	ug/kg	1
Fluorene	86-73-7	8270E	ND		15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		15	ug/kg	1
Naphthalene	91-20-3	8270E	ND		15	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		15	ug/kg	1
Pyrene	129-00-0	8270E	ND		15	ug/kg	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits				
2-Fluorobiphenyl		85	24-137				
Nitrobenzene-d5		85	12-144				
Terphenyl-d14		92	20-127				

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ36259-001

Matrix: Solid

Batch: 36259

Prep Method: 5035

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Benzene	ND		1	5.0	ug/kg	03/28/2022 1002
Ethylbenzene	ND		1	5.0	ug/kg	03/28/2022 1002
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	03/28/2022 1002
Naphthalene	ND		1	5.0	ug/kg	03/28/2022 1002
Toluene	ND		1	5.0	ug/kg	03/28/2022 1002
Xylenes (total)	ND		1	10	ug/kg	03/28/2022 1002
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		103	47-138			
1,2-Dichloroethane-d4		104	53-142			
Toluene-d8		98	68-124			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

* = RSD is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36259-002

Matrix: Solid

Batch: 36259

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	50	53		1	107	70-130	03/28/2022 0915
Ethylbenzene	50	52		1	103	70-130	03/28/2022 0915
Methyl tertiary butyl ether (MTBE)	50	54		1	107	70-130	03/28/2022 0915
Naphthalene	50	46		1	92	70-130	03/28/2022 0915
Toluene	50	51		1	101	70-130	03/28/2022 0915
Xylenes (total)	100	100		1	102	70-130	03/28/2022 0915
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		105	47-138				
1,2-Dichloroethane-d4		104	53-142				
Toluene-d8		103	68-124				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: XQ36249-001

Matrix: Solid

Batch: 36249

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1100

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acenaphthene	ND		1	13	ug/kg	03/29/2022 1834
Acenaphthylene	ND		1	13	ug/kg	03/29/2022 1834
Anthracene	ND		1	13	ug/kg	03/29/2022 1834
Benzo(a)anthracene	ND		1	13	ug/kg	03/29/2022 1834
Benzo(a)pyrene	ND		1	13	ug/kg	03/29/2022 1834
Benzo(b)fluoranthene	ND		1	13	ug/kg	03/29/2022 1834
Benzo(g,h,i)perylene	ND		1	13	ug/kg	03/29/2022 1834
Benzo(k)fluoranthene	ND		1	13	ug/kg	03/29/2022 1834
Chrysene	ND		1	13	ug/kg	03/29/2022 1834
Dibenzo(a,h)anthracene	ND		1	13	ug/kg	03/29/2022 1834
Fluoranthene	ND		1	13	ug/kg	03/29/2022 1834
Fluorene	ND		1	13	ug/kg	03/29/2022 1834
Indeno(1,2,3-c,d)pyrene	ND		1	13	ug/kg	03/29/2022 1834
Naphthalene	ND		1	13	ug/kg	03/29/2022 1834
Phenanthrene	ND		1	13	ug/kg	03/29/2022 1834
Pyrene	ND		1	13	ug/kg	03/29/2022 1834
Surrogate	Q	% Rec	Acceptance Limit			
2-Fluorobiphenyl		99	24-137			
Nitrobenzene-d5		101	12-144			
Terphenyl-d14		110	20-127			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36249-002

Matrix: Solid

Batch: 36249

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1100

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acenaphthene	670	610		1	91	12-111	03/29/2022 1857
Acenaphthylene	670	660		1	99	44-122	03/29/2022 1857
Anthracene	670	680		1	101	16-122	03/29/2022 1857
Benzo(a)anthracene	670	610		1	91	40-121	03/29/2022 1857
Benzo(a)pyrene	670	700		1	105	36-114	03/29/2022 1857
Benzo(b)fluoranthene	670	630		1	94	38-123	03/29/2022 1857
Benzo(g,h,i)perylene	670	680		1	102	43-120	03/29/2022 1857
Benzo(k)fluoranthene	670	660		1	99	40-126	03/29/2022 1857
Chrysene	670	650		1	97	41-124	03/29/2022 1857
Dibenzo(a,h)anthracene	670	680		1	102	38-125	03/29/2022 1857
Fluoranthene	670	650		1	97	26-133	03/29/2022 1857
Fluorene	670	610		1	92	19-108	03/29/2022 1857
Indeno(1,2,3-c,d)pyrene	670	680		1	102	42-123	03/29/2022 1857
Naphthalene	670	600		1	90	10-112	03/29/2022 1857
Phenanthrene	670	630		1	94	16-123	03/29/2022 1857
Pyrene	670	640		1	96	34-121	03/29/2022 1857
Surrogate	Q	% Rec	Acceptance Limit				
2-Fluorobiphenyl		92	24-137				
Nitrobenzene-d5		93	12-144				
Terphenyl-d14		102	20-127				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Semivolatile Organic Compounds by GC/MS - MS

Sample ID: XC24068-001MS

Matrix: Solid

Batch: 36249

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1100

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acenaphthene	ND	800	660		1	83	12-111	03/29/2022 2332
Acenaphthylene	ND	800	710		1	89	44-122	03/29/2022 2332
Anthracene	ND	800	750		1	94	16-122	03/29/2022 2332
Benzo(a)anthracene	ND	800	650		1	82	40-121	03/29/2022 2332
Benzo(a)pyrene	ND	800	680		1	85	36-114	03/29/2022 2332
Benzo(b)fluoranthene	ND	800	590		1	74	38-123	03/29/2022 2332
Benzo(g,h,i)perylene	ND	800	630		1	79	43-120	03/29/2022 2332
Benzo(k)fluoranthene	ND	800	670		1	84	40-126	03/29/2022 2332
Chrysene	ND	800	730		1	92	41-124	03/29/2022 2332
Dibenzo(a,h)anthracene	ND	800	620		1	78	38-125	03/29/2022 2332
Fluoranthene	ND	800	600		1	75	26-133	03/29/2022 2332
Fluorene	ND	800	660		1	82	19-108	03/29/2022 2332
Indeno(1,2,3-c,d)pyrene	ND	800	610		1	76	42-123	03/29/2022 2332
Naphthalene	ND	800	610		1	76	10-112	03/29/2022 2332
Phenanthrene	ND	800	690		1	86	16-123	03/29/2022 2332
Pyrene	ND	800	690		1	87	34-121	03/29/2022 2332
Surrogate	Q	% Rec	Acceptance Limit					
2-Fluorobiphenyl		80	24-137					
Nitrobenzene-d5		77	12-144					
Terphenyl-d14		97	20-127					

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: XC24068-001MD

Matrix: Solid

Batch: 36249

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1100

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	790	660	1		84	0.15	12-111	30	03/29/2022 2358
Acenaphthylene	ND	790	700	1		89	0.94	44-122	30	03/29/2022 2358
Anthracene	ND	790	750	1		95	0.33	16-122	30	03/29/2022 2358
Benzo(a)anthracene	ND	790	650	1		83	0.12	40-121	30	03/29/2022 2358
Benzo(a)pyrene	ND	790	680	1		86	0.94	36-114	30	03/29/2022 2358
Benzo(b)fluoranthene	ND	790	600	1		75	0.82	38-123	30	03/29/2022 2358
Benzo(g,h,i)perylene	ND	790	610	1		77	3.6	43-120	30	03/29/2022 2358
Benzo(k)fluoranthene	ND	790	670	1		85	0.012	40-126	30	03/29/2022 2358
Chrysene	ND	790	730	1		92	0.33	41-124	30	03/29/2022 2358
Dibenzo(a,h)anthracene	ND	790	600	1		76	3.0	38-125	30	03/29/2022 2358
Fluoranthene	ND	790	610	1		77	0.95	26-133	30	03/29/2022 2358
Fluorene	ND	790	640	1		81	2.1	19-108	30	03/29/2022 2358
Indeno(1,2,3-c,d)pyrene	ND	790	590	1		74	3.2	42-123	30	03/29/2022 2358
Naphthalene	ND	790	610	1		77	0.41	10-112	30	03/29/2022 2358
Phenanthrene	ND	790	690	1		87	0.61	16-123	30	03/29/2022 2358
Pyrene	ND	790	690	1		87	0.19	34-121	30	03/29/2022 2358
Surrogate	Q	% Rec	Acceptance Limit							
2-Fluorobiphenyl		78	24-137							
Nitrobenzene-d5		79	12-144							
Terphenyl-d14		96	20-127							

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria


+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

CHAIN OF CUSTODY RECORD

Project # 08-300-22
Project Name 2220 BRAM RD
Sampler Name (print) RICHAM CICCOLELLA
Preservative PAH

Sample ID / Description	Date	Time	Material		Remarks	# of Containers
			C = Composite	G = Grab		
<u>SB-1</u>	<u>3/21/22</u>	<u>1304</u>	<u>G</u>	<u>S</u>		
<u>SB-2</u>	<u>3/21/22</u>	<u>1340</u>	<u>G</u>	<u>S</u>		
<u>SB-3</u>	<u>3/21/22</u>	<u>1410</u>	<u>G</u>	<u>S</u>		
 XC24068						
LIC						
Relinquished by / Sampler <u>[Signature]</u> Date <u>3/24/22</u> Time <u>0945</u>						
Relinquished by <u>[Signature]</u> Date <u>3/24/22</u> Time <u>1555</u>						
Relinquished by <u>[Signature]</u> Date <u>3/24/22</u> Time <u>1555</u>						

Received by [Signature]
Received by [Signature]
Received by [Signature]

Date 3-24-22 Time 0945
Date 3/24/22 Time 1555
Date 3/24/22 Time 1555

Project Manager RICHAM CICCOLELLA
P.O. Number 08-300-22



Samples Receipt Checklist (SRC) (MF0018C-15)

Issuing Authority: Pace ENV - WCOL

Revised: 9/29/2020

Page 1 of 1

Sample Receipt Checklist (SRC)

Client: ARM

Cooler Inspected by/date: KDRW / 03/24/2022

Lot #: XC24068

Means of receipt: <input checked="" type="checkbox"/> Pace <input type="checkbox"/> Client: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?
pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA	
Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: 22-3	
2.0 / 2.0 °C NA / NA °C NA / NA °C NA / NA °C	
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C	
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pca-size" (¼" or 6mm in diameter) in any of the VOA vials?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH ₃ /TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote #
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)	
Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA ml. of circle one: H ₂ SO ₄ , HNO ₃ , HCl, NaOH using SR # NA	
Time of preservation NA. If more than one preservative is needed, please note in the comments below.	
Sample(s) NA were received with bubbles >6 mm in diameter.	
Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is <i>no</i>) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na ₂ S ₂ O ₃) with Shealy ID: NA	
SR barcode labels applied by: KDRW Date: 03/24/2022	
Comments:	



Report of Analysis

ARM Environmental Services, Inc.
1210 1st Street S. Ext.
Columbia, SC 29209
Attention: Richard Ciccolella

Project Name: 2116 BRR
Project Number: 08-300-22
Lot Number: **XC24072**
Date Completed: 04/06/2022

04/11/2022 11:32 AM
Approved and released by:
Project Manager II: **Lucas Odom**



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PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative ARM Environmental Services, Inc. Lot Number: XC24072

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

Where applicable, all soil sample results (including LOQ and DL if requested) are corrected for dry weight unless flagged with a "W" qualifier.

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

SVOCs by GC/MS

The following sample was diluted due to appearance or color: XC24072-003. The LOQ has been elevated to reflect the dilution.

VOCs by GC/MS

Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 36292. An LCS/LCSD was run in lieu of an MS/MSD.

Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 36429. An LCS/LCSD was run in lieu of an MS/MSD.

PACE ANALYTICAL SERVICES, LLC

Sample Summary
ARM Environmental Services, Inc.
Lot Number: XC24072

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-1	Solid	03/22/2022 1531	03/24/2022
002	SB-2	Solid	03/22/2022 1543	03/24/2022
003	SB-3	Solid	03/22/2022 1556	03/24/2022
004	SB-4	Solid	03/22/2022 1613	03/24/2022
005	SB-5	Solid	03/22/2022 1625	03/24/2022
006	SB-6	Solid	03/22/2022 1634	03/24/2022
007	SB-7	Solid	03/22/2022 1648	03/24/2022
008	SB-8	Solid	03/22/2022 1701	03/24/2022
009	SB-9	Solid	03/22/2022 1714	03/24/2022
010	SB-10	Solid	03/22/2022 1728	03/24/2022
011	SB-11	Solid	03/22/2022 1756	03/24/2022
012	SB-12	Solid	03/22/2022 1813	03/24/2022

(12 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary ARM Environmental Services, Inc. Lot Number: XC24072

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
005	SB-5	Solid	Ethylbenzene	8260D	9500		ug/kg	10
005	SB-5	Solid	Naphthalene	8260D	5900		ug/kg	10
005	SB-5	Solid	Xylenes (total)	8260D	40000		ug/kg	10
005	SB-5	Solid	Naphthalene	8270E	3600		ug/kg	10
005	SB-5	Solid	Phenanthrene	8270E	23		ug/kg	10
006	SB-6	Solid	Ethylbenzene	8260D	3100		ug/kg	12
006	SB-6	Solid	Naphthalene	8260D	2600		ug/kg	12
006	SB-6	Solid	Xylenes (total)	8260D	6900		ug/kg	12
006	SB-6	Solid	Naphthalene	8270E	1900		ug/kg	12
007	SB-7	Solid	Ethylbenzene	8260D	800		ug/kg	13
007	SB-7	Solid	Naphthalene	8260D	640		ug/kg	13
007	SB-7	Solid	Xylenes (total)	8260D	6900		ug/kg	13
007	SB-7	Solid	Benzo(b)fluoranthene	8270E	120		ug/kg	13
007	SB-7	Solid	Fluoranthene	8270E	140		ug/kg	13
007	SB-7	Solid	Naphthalene	8270E	930		ug/kg	13
007	SB-7	Solid	Pyrene	8270E	110		ug/kg	13
008	SB-8	Solid	Ethylbenzene	8260D	1200		ug/kg	14
008	SB-8	Solid	Naphthalene	8260D	2000		ug/kg	14
008	SB-8	Solid	Xylenes (total)	8260D	4400		ug/kg	14
008	SB-8	Solid	Acenaphthene	8270E	24		ug/kg	14
008	SB-8	Solid	Fluorene	8270E	31		ug/kg	14
008	SB-8	Solid	Naphthalene	8270E	3400		ug/kg	14
008	SB-8	Solid	Phenanthrene	8270E	53		ug/kg	14
010	SB-10	Solid	Methyl tertiary butyl ether	8260D	63		ug/kg	17
010	SB-10	Solid	Naphthalene	8260D	19		ug/kg	17
010	SB-10	Solid	Naphthalene	8270E	240		ug/kg	17
011	SB-11	Solid	Benzo(b)fluoranthene	8270E	90		ug/kg	18
011	SB-11	Solid	Fluoranthene	8270E	180		ug/kg	18
011	SB-11	Solid	Phenanthrene	8270E	86		ug/kg	18
011	SB-11	Solid	Pyrene	8270E	170		ug/kg	18

(30 detections)

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 2316	JM1		36292	5.45

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		6.2	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		6.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		6.2	ug/kg	1
Naphthalene	91-20-3	8260D	ND		6.2	ug/kg	1
Toluene	108-88-3	8260D	ND		6.2	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		12	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		108	53-142
Toluene-d8		96	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/29/2022 2247	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		18	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		18	ug/kg	1
Anthracene	120-12-7	8270E	ND		18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		18	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		18	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		18	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		18	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		18	ug/kg	1
Chrysene	218-01-9	8270E	ND		18	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		18	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		18	ug/kg	1
Fluorene	86-73-7	8270E	ND		18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		18	ug/kg	1
Naphthalene	91-20-3	8270E	ND		18	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		18	ug/kg	1
Pyrene	129-00-0	8270E	ND		18	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		82	24-137
Nitrobenzene-d5		74	12-144
Terphenyl-d14		88	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 2340	JM1		36292	5.40

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		6.0	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		6.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		6.0	ug/kg	1
Naphthalene	91-20-3	8260D	ND		6.0	ug/kg	1
Toluene	108-88-3	8260D	ND		6.0	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		12	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		105	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		99	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/29/2022 2312	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		17	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		17	ug/kg	1
Anthracene	120-12-7	8270E	ND		17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		17	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		17	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		17	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		17	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		17	ug/kg	1
Chrysene	218-01-9	8270E	ND		17	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		17	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		17	ug/kg	1
Fluorene	86-73-7	8270E	ND		17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		17	ug/kg	1
Naphthalene	91-20-3	8270E	ND		17	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		17	ug/kg	1
Pyrene	129-00-0	8270E	ND		17	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		82	24-137
Nitrobenzene-d5		76	12-144
Terphenyl-d14		93	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/29/2022 1624	JM1		36429	4.47

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		6.3	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		6.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		6.3	ug/kg	1
Naphthalene	91-20-3	8260D	ND		6.3	ug/kg	1
Toluene	108-88-3	8260D	ND		6.3	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		13	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		84	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		108	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	5	03/29/2022 2337	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		71	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		71	ug/kg	1
Anthracene	120-12-7	8270E	ND		71	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		71	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		71	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		71	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		71	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		71	ug/kg	1
Chrysene	218-01-9	8270E	ND		71	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		71	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		71	ug/kg	1
Fluorene	86-73-7	8270E	ND		71	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		71	ug/kg	1
Naphthalene	91-20-3	8270E	ND		71	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		71	ug/kg	1
Pyrene	129-00-0	8270E	ND		71	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		76	24-137
Nitrobenzene-d5		70	12-144
Terphenyl-d14		79	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SB-4

Matrix: Solid

Date Sampled: 03/22/2022 1613

% Solids: 92.8 03/25/2022 2319

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/29/2022 1647	JM1		36429	4.90

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		5.5	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		5.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.5	ug/kg	1
Naphthalene	91-20-3	8260D	ND		5.5	ug/kg	1
Toluene	108-88-3	8260D	ND		5.5	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		11	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		91	47-138
1,2-Dichloroethane-d4		94	53-142
Toluene-d8		102	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0002	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		14	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		14	ug/kg	1
Anthracene	120-12-7	8270E	ND		14	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		14	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		14	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		14	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		14	ug/kg	1
Chrysene	218-01-9	8270E	ND		14	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		14	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		14	ug/kg	1
Fluorene	86-73-7	8270E	ND		14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		14	ug/kg	1
Naphthalene	91-20-3	8270E	ND		14	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		14	ug/kg	1
Pyrene	129-00-0	8270E	ND		14	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		83	24-137
Nitrobenzene-d5		76	12-144
Terphenyl-d14		97	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SB-5

Matrix: Solid

Date Sampled: 03/22/2022 1625

% Solids: 90.9 03/29/2022 0030

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035 High	8260D	4	03/31/2022 1936	JM1		36757	6.62
2	5035 High	8260D	10	04/05/2022 2041	JM1		37264	6.62

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		930	ug/kg	1
Ethylbenzene	100-41-4	8260D	9500		930	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		930	ug/kg	1
Naphthalene	91-20-3	8260D	5900		930	ug/kg	1
Toluene	108-88-3	8260D	ND		930	ug/kg	1
Xylenes (total)	1330-20-7	8260D	40000		4700	ug/kg	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		89	47-138		106	47-138
1,2-Dichloroethane-d4		92	53-142		93	53-142
Toluene-d8		96	68-124		97	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0026	SCD	03/28/2022 1228	36263
2	3546	8270E	5	03/30/2022 1437	JCG	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		14	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		14	ug/kg	1
Anthracene	120-12-7	8270E	ND		14	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		14	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		14	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		14	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		14	ug/kg	1
Chrysene	218-01-9	8270E	ND		14	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		14	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		14	ug/kg	1
Fluorene	86-73-7	8270E	ND		14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		14	ug/kg	1
Naphthalene	91-20-3	8270E	3600		70	ug/kg	2
Phenanthrene	85-01-8	8270E	23		14	ug/kg	1
Pyrene	129-00-0	8270E	ND		14	ug/kg	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Surrogate	Run 1			Run 2		
	Q	% Recovery	Acceptance Limits	Q	% Recovery	Acceptance Limits
2-Fluorobiphenyl		86	24-137		87	24-137
Nitrobenzene-d5		96	12-144		88	12-144
Terphenyl-d14		99	20-127		93	20-127

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range Q = Surrogate failure
 ND = Not detected at or above the LOQ N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035 High	8260D	1	03/31/2022	2018 JM1		36757	5.75

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		300	ug/kg	1
Ethylbenzene	100-41-4	8260D	3100		300	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		300	ug/kg	1
Naphthalene	91-20-3	8260D	2600		300	ug/kg	1
Toluene	108-88-3	8260D	ND		300	ug/kg	1
Xylenes (total)	1330-20-7	8260D	6900		600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		84	47-138
1,2-Dichloroethane-d4		88	53-142
Toluene-d8		88	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022	0051 SCD	03/28/2022	1228 36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		15	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		15	ug/kg	1
Anthracene	120-12-7	8270E	ND		15	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		15	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		15	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		15	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		15	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		15	ug/kg	1
Chrysene	218-01-9	8270E	ND		15	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		15	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		15	ug/kg	1
Fluorene	86-73-7	8270E	ND		15	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		15	ug/kg	1
Naphthalene	91-20-3	8270E	1900		15	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		15	ug/kg	1
Pyrene	129-00-0	8270E	ND		15	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		88	24-137
Nitrobenzene-d5		80	12-144
Terphenyl-d14		92	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SB-7

Matrix: Solid

Date Sampled: 03/22/2022 1648

% Solids: 81.9 03/29/2022 0030

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035 High	8260D	1	03/31/2022 2041	JM1		36757	5.73

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		320	ug/kg	1
Ethylbenzene	100-41-4	8260D	800		320	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		320	ug/kg	1
Naphthalene	91-20-3	8260D	640		320	ug/kg	1
Toluene	108-88-3	8260D	ND		320	ug/kg	1
Xylenes (total)	1330-20-7	8260D	6900		640	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		72	47-138
1,2-Dichloroethane-d4		85	53-142
Toluene-d8		79	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	5	03/30/2022 0116	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		81	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		81	ug/kg	1
Anthracene	120-12-7	8270E	ND		81	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		81	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		81	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	120		81	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		81	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		81	ug/kg	1
Chrysene	218-01-9	8270E	ND		81	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		81	ug/kg	1
Fluoranthene	206-44-0	8270E	140		81	ug/kg	1
Fluorene	86-73-7	8270E	ND		81	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		81	ug/kg	1
Naphthalene	91-20-3	8270E	930		81	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		81	ug/kg	1
Pyrene	129-00-0	8270E	110		81	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		71	24-137
Nitrobenzene-d5		71	12-144
Terphenyl-d14		78	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SB-8

Matrix: Solid

Date Sampled: 03/22/2022 1701

% Solids: 80.8 03/25/2022 2319

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035 High	8260D	2	03/31/2022 2104	JM1		36757	4.65

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		780	ug/kg	1
Ethylbenzene	100-41-4	8260D	1200		780	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		780	ug/kg	1
Naphthalene	91-20-3	8260D	2000		780	ug/kg	1
Toluene	108-88-3	8260D	ND		780	ug/kg	1
Xylenes (total)	1330-20-7	8260D	4400		1600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		80	47-138
1,2-Dichloroethane-d4		87	53-142
Toluene-d8		79	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0140	SCD	03/28/2022 1228	36263
2	3546	8270E	10	03/30/2022 1502	JCG	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	24		16	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		16	ug/kg	1
Anthracene	120-12-7	8270E	ND		16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		16	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		16	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		16	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		16	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		16	ug/kg	1
Chrysene	218-01-9	8270E	ND		16	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		16	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		16	ug/kg	1
Fluorene	86-73-7	8270E	31		16	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		16	ug/kg	1
Naphthalene	91-20-3	8270E	3400		160	ug/kg	2
Phenanthrene	85-01-8	8270E	53		16	ug/kg	1
Pyrene	129-00-0	8270E	ND		16	ug/kg	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Surrogate	Run 1			Run 2		
	Q	% Recovery	Acceptance Limits	Q	% Recovery	Acceptance Limits
2-Fluorobiphenyl		85	24-137		87	24-137
Nitrobenzene-d5		93	12-144		81	12-144
Terphenyl-d14		88	20-127		87	20-127

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range Q = Surrogate failure
 ND = Not detected at or above the LOQ N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/29/2022 1711	JM1		36429	5.34

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		6.4	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		6.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		6.4	ug/kg	1
Naphthalene	91-20-3	8260D	ND		6.4	ug/kg	1
Toluene	108-88-3	8260D	ND		6.4	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		13	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		91	47-138
1,2-Dichloroethane-d4		96	53-142
Toluene-d8		105	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0205	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		18	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		18	ug/kg	1
Anthracene	120-12-7	8270E	ND		18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		18	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		18	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		18	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		18	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		18	ug/kg	1
Chrysene	218-01-9	8270E	ND		18	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		18	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		18	ug/kg	1
Fluorene	86-73-7	8270E	ND		18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		18	ug/kg	1
Naphthalene	91-20-3	8270E	ND		18	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		18	ug/kg	1
Pyrene	129-00-0	8270E	ND		18	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		84	24-137
Nitrobenzene-d5		79	12-144
Terphenyl-d14		97	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/29/2022 1734	JM1		36429	4.73

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		7.1	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		7.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	63		7.1	ug/kg	1
Naphthalene	91-20-3	8260D	19		7.1	ug/kg	1
Toluene	108-88-3	8260D	ND		7.1	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		14	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		93	47-138
1,2-Dichloroethane-d4		94	53-142
Toluene-d8		110	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0230	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		17	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		17	ug/kg	1
Anthracene	120-12-7	8270E	ND		17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		17	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		17	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		17	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		17	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		17	ug/kg	1
Chrysene	218-01-9	8270E	ND		17	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		17	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		17	ug/kg	1
Fluorene	86-73-7	8270E	ND		17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		17	ug/kg	1
Naphthalene	91-20-3	8270E	240		17	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		17	ug/kg	1
Pyrene	129-00-0	8270E	ND		17	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		83	24-137
Nitrobenzene-d5		79	12-144
Terphenyl-d14		88	20-127

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range Q = Surrogate failure
 ND = Not detected at or above the LOQ N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/29/2022 1757	JM1		36429	5.60

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		4.8	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		4.8	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		4.8	ug/kg	1
Naphthalene	91-20-3	8260D	ND		4.8	ug/kg	1
Toluene	108-88-3	8260D	ND		4.8	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		9.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		95	47-138
1,2-Dichloroethane-d4		100	53-142
Toluene-d8		105	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	5	03/30/2022 0254	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		71	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		71	ug/kg	1
Anthracene	120-12-7	8270E	ND		71	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		71	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		71	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	90		71	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		71	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		71	ug/kg	1
Chrysene	218-01-9	8270E	ND		71	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		71	ug/kg	1
Fluoranthene	206-44-0	8270E	180		71	ug/kg	1
Fluorene	86-73-7	8270E	ND		71	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		71	ug/kg	1
Naphthalene	91-20-3	8270E	ND		71	ug/kg	1
Phenanthrene	85-01-8	8270E	86		71	ug/kg	1
Pyrene	129-00-0	8270E	170		71	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		76	24-137
Nitrobenzene-d5		70	12-144
Terphenyl-d14		80	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/29/2022 1820	JM1		36429	5.93

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		4.6	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		4.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		4.6	ug/kg	1
Naphthalene	91-20-3	8260D	ND		4.6	ug/kg	1
Toluene	108-88-3	8260D	ND		4.6	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		9.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		93	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		109	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0319	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		14	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		14	ug/kg	1
Anthracene	120-12-7	8270E	ND		14	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		14	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		14	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		14	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		14	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		14	ug/kg	1
Chrysene	218-01-9	8270E	ND		14	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		14	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		14	ug/kg	1
Fluorene	86-73-7	8270E	ND		14	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		14	ug/kg	1
Naphthalene	91-20-3	8270E	ND		14	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		14	ug/kg	1
Pyrene	129-00-0	8270E	ND		14	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		84	24-137
Nitrobenzene-d5		77	12-144
Terphenyl-d14		92	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ36292-001

Matrix: Solid

Batch: 36292

Prep Method: 5035

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Benzene	ND		1	5.0	ug/kg	03/28/2022 1515
Ethylbenzene	ND		1	5.0	ug/kg	03/28/2022 1515
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	03/28/2022 1515
Naphthalene	ND		1	5.0	ug/kg	03/28/2022 1515
Toluene	ND		1	5.0	ug/kg	03/28/2022 1515
Xylenes (total)	ND		1	10	ug/kg	03/28/2022 1515
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		100	47-138			
1,2-Dichloroethane-d4		91	53-142			
Toluene-d8		96	68-124			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

* = RSD is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36292-002

Matrix: Solid

Batch: 36292

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	50	49		1	98	70-130	03/28/2022 1451
Ethylbenzene	50	49		1	99	70-130	03/28/2022 1451
Methyl tertiary butyl ether (MTBE)	50	52		1	103	70-130	03/28/2022 1451
Naphthalene	50	55		1	111	70-130	03/28/2022 1451
Toluene	50	50		1	101	70-130	03/28/2022 1451
Xylenes (total)	100	99		1	99	70-130	03/28/2022 1451
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		104	47-138				
1,2-Dichloroethane-d4		104	53-142				
Toluene-d8		104	68-124				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: XQ36292-003

Matrix: Solid

Batch: 36292

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Benzene	50	45		1	89	9.1	70-130	20	03/28/2022 1627
Ethylbenzene	50	47		1	94	5.0	70-130	20	03/28/2022 1627
Methyl tertiary butyl ether (MTBE)	50	44		1	87	17	70-130	20	03/28/2022 1627
Naphthalene	50	49		1	98	13	70-130	20	03/28/2022 1627
Toluene	50	47		1	93	7.9	70-130	20	03/28/2022 1627
Xylenes (total)	100	94		1	94	5.3	70-130	20	03/28/2022 1627
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		98	47-138						
1,2-Dichloroethane-d4		92	53-142						
Toluene-d8		98	68-124						

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ36429-001

Matrix: Solid

Batch: 36429

Prep Method: 5035

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Benzene	ND		1	5.0	ug/kg	03/29/2022 1115
Ethylbenzene	ND		1	5.0	ug/kg	03/29/2022 1115
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	03/29/2022 1115
Naphthalene	ND		1	5.0	ug/kg	03/29/2022 1115
Toluene	ND		1	5.0	ug/kg	03/29/2022 1115
Xylenes (total)	ND		1	10	ug/kg	03/29/2022 1115
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		94	47-138			
1,2-Dichloroethane-d4		95	53-142			
Toluene-d8		102	68-124			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36429-002

Matrix: Solid

Batch: 36429

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	50	48		1	95	70-130	03/29/2022 1028
Ethylbenzene	50	48		1	96	70-130	03/29/2022 1028
Methyl tertiary butyl ether (MTBE)	50	45		1	89	70-130	03/29/2022 1028
Naphthalene	50	48		1	96	70-130	03/29/2022 1028
Toluene	50	52		1	105	70-130	03/29/2022 1028
Xylenes (total)	100	96		1	96	70-130	03/29/2022 1028
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		88	47-138				
1,2-Dichloroethane-d4		94	53-142				
Toluene-d8		107	68-124				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: XQ36429-003

Matrix: Solid

Batch: 36429

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Benzene	50	47		1	93	2.4	70-130	20	03/29/2022 1052
Ethylbenzene	50	46		1	91	4.9	70-130	20	03/29/2022 1052
Methyl tertiary butyl ether (MTBE)	50	46		1	91	2.0	70-130	20	03/29/2022 1052
Naphthalene	50	41		1	83	15	70-130	20	03/29/2022 1052
Toluene	50	46		1	91	14	70-130	20	03/29/2022 1052
Xylenes (total)	100	91		1	91	5.3	70-130	20	03/29/2022 1052
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		92	47-138						
1,2-Dichloroethane-d4		97	53-142						
Toluene-d8		93	68-124						

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ36757-001

Matrix: Solid

Batch: 36757

Prep Method: 5035 High

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Benzene	ND		1	250	ug/kg	03/31/2022 1148
Ethylbenzene	ND		1	250	ug/kg	03/31/2022 1148
Methyl tertiary butyl ether (MTBE)	ND		1	250	ug/kg	03/31/2022 1148
Naphthalene	ND		1	250	ug/kg	03/31/2022 1148
Toluene	ND		1	250	ug/kg	03/31/2022 1148
Xylenes (total)	ND		1	500	ug/kg	03/31/2022 1148
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		90	47-138			
1,2-Dichloroethane-d4		96	53-142			
Toluene-d8		101	68-124			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

* = RSD is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36757-002

Matrix: Solid

Batch: 36757

Prep Method: 5035 High

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	2500	2800		1	114	70-130	03/31/2022 1125
Ethylbenzene	2500	2700		1	109	70-130	03/31/2022 1125
Methyl tertiary butyl ether (MTBE)	2500	2600		1	104	70-130	03/31/2022 1125
Naphthalene	2500	2300		1	91	70-130	03/31/2022 1125
Toluene	2500	2600		1	104	70-130	03/31/2022 1125
Xylenes (total)	5000	5300		1	107	70-130	03/31/2022 1125
Surrogate	Q	% Rec			Acceptance Limit		
Bromofluorobenzene		110			47-138		
1,2-Dichloroethane-d4		113			53-142		
Toluene-d8		107			68-124		

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ37264-001

Matrix: Solid

Batch: 37264

Prep Method: 5035 High

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Xylenes (total)	ND		1	500	ug/kg	03/31/2022 1148
Surrogate	Q % Rec		Acceptance Limit			
Bromofluorobenzene	90		47-138			
1,2-Dichloroethane-d4	96		53-142			
Toluene-d8	101		68-124			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ37264-002

Matrix: Solid

Batch: 37264

Prep Method: 5035 High

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Xylenes (total)	5000	5300		1	107	70-130	03/31/2022 1125
Surrogate	Q	% Rec			Acceptance Limit		
Bromofluorobenzene		110			47-138		
1,2-Dichloroethane-d4		113			53-142		
Toluene-d8		107			68-124		

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: XQ36263-001

Matrix: Solid

Batch: 36263

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1228

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acenaphthene	ND		1	13	ug/kg	03/29/2022 2045
Acenaphthylene	ND		1	13	ug/kg	03/29/2022 2045
Anthracene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(a)anthracene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(a)pyrene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(b)fluoranthene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(g,h,i)perylene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(k)fluoranthene	ND		1	13	ug/kg	03/29/2022 2045
Chrysene	ND		1	13	ug/kg	03/29/2022 2045
Dibenzo(a,h)anthracene	ND		1	13	ug/kg	03/29/2022 2045
Fluoranthene	ND		1	13	ug/kg	03/29/2022 2045
Fluorene	ND		1	13	ug/kg	03/29/2022 2045
Indeno(1,2,3-c,d)pyrene	ND		1	13	ug/kg	03/29/2022 2045
Naphthalene	ND		1	13	ug/kg	03/29/2022 2045
Phenanthrene	ND		1	13	ug/kg	03/29/2022 2045
Pyrene	ND		1	13	ug/kg	03/29/2022 2045
Surrogate	Q	% Rec	Acceptance Limit			
2-Fluorobiphenyl		87	24-137			
Nitrobenzene-d5		79	12-144			
Terphenyl-d14		102	20-127			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36263-002

Matrix: Solid

Batch: 36263

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1228

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acenaphthene	670	560		1	83	12-111	03/29/2022 2109
Acenaphthylene	670	630		1	95	44-122	03/29/2022 2109
Anthracene	670	630		1	94	16-122	03/29/2022 2109
Benzo(a)anthracene	670	560		1	83	40-121	03/29/2022 2109
Benzo(a)pyrene	670	640		1	96	36-114	03/29/2022 2109
Benzo(b)fluoranthene	670	530		1	80	38-123	03/29/2022 2109
Benzo(g,h,i)perylene	670	570		1	85	43-120	03/29/2022 2109
Benzo(k)fluoranthene	670	610		1	92	40-126	03/29/2022 2109
Chrysene	670	570		1	85	41-124	03/29/2022 2109
Dibenzo(a,h)anthracene	670	560		1	84	38-125	03/29/2022 2109
Fluoranthene	670	580		1	88	26-133	03/29/2022 2109
Fluorene	670	600		1	90	19-108	03/29/2022 2109
Indeno(1,2,3-c,d)pyrene	670	590		1	88	42-123	03/29/2022 2109
Naphthalene	670	570		1	85	10-112	03/29/2022 2109
Phenanthrene	670	600		1	89	16-123	03/29/2022 2109
Pyrene	670	640		1	96	34-121	03/29/2022 2109
Surrogate	Q	% Rec	Acceptance Limit				
2-Fluorobiphenyl		85	24-137				
Nitrobenzene-d5		82	12-144				
Terphenyl-d14		99	20-127				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

ARM ENVIRONMENTAL SERVICES, INC.
ASSESSMENT & REMEDIAL SERVICES

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

1210 1st STREET SOUTH EXTENSION COLUMBIA, SOUTH CAROLINA 29209 PHONE: 803-783-3314 FAX: 803-783-2587

Project #	Project Name	Preservative	Laboratory Utilized							Date	Time	Remarks
			1. Unpreserved	2. HCl	3. H ₂ SO ₄	4. HNO ₃	5. Ni ₂ SO ₄	6. Ni ₂ SO ₄	7. 50% ICP			
08-300-22	2116 BRR	PAH										
Sampler Name (print)		Sampler Signature		G = Grab		C = Composite		M = Matrix		S = G.W. DW, P, Other		# of Containers
RICHAM CICCOLELLA		<i>Rich Ciccollella</i>		G = Grab		C = Composite		M = Matrix		S = G.W. DW, P, Other		Preservative
SB-1												
SB-2												
SB-3												
SB-4												
SB-5												
SB-6												
SB-7												
SB-8												
SB-9												
SB-10												
Retinquished by / Sampler		Date		Time		Received by		Date		Time		Project Manager
<i>Rich Ciccollella</i>		3/24/22		0945		<i>Rich Ciccollella</i>		3/24/22		0945		RICHAM CICCOLELLA
Retinquished by		Date		Time		Received by		Date		Time		P.O. Number
<i>Rich Ciccollella</i>		3/24/22		1555		<i>Rich Ciccollella</i>		3/24/22		1555		08-300-22



Samples Receipt Checklist (SRC) (ME0018C-15)
 Issuing Authority: Pace ENV - WCOL

Revised: 9/29/2020
 Page 1 of 1

Sample Receipt Checklist (SRC)

Client: ARM

Cooler Inspected by/date: KDRW / 03/24/2022

Lot #: XC24072

Means of receipt: <input checked="" type="checkbox"/> Pace <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?
pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA	
Original temperature upon receipt / Derived (Corrected) temperature upon receipt: 2.6 / 2.6 °C NA / NA °C NA / NA °C NA / NA °C	%Solid Snap-Cup ID: 22-3
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C	
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	14. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (1/4" or 6mm in diameter) in any of the VOA vials?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH ₃ /TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote #
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)	
Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA	
Time of preservation NA. If more than one preservative is needed, please note in the comments below.	
Sample(s) NA were received with bubbles >6 mm in diameter.	
Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is no) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na ₂ S ₂ O ₃) with Sicaly ID: NA	
SR barcode labels applied by: KDRW Date: 03/24/2022	
Comments:	



Report of Analysis

ARM Environmental Services, Inc.
1210 1st Street S. Ext.
Columbia, SC 29209
Attention: Richard Ciccolella

Project Name: 2114 BRR
Project Number: 08-300-22
Lot Number: **XC24070**
Date Completed: 04/06/2022

04/11/2022 11:29 AM
Approved and released by:
Project Manager II: **Lucas Odom**



The electronic signature above is the equivalent of a handwritten signature.
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PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative ARM Environmental Services, Inc. Lot Number: XC24070

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

Where applicable, all soil sample results (including LOQ and DL if requested) are corrected for dry weight unless flagged with a "W" qualifier.

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

SVOCs by GC/MS

The following sample was diluted due to the nature of the sample matrix: XC24070-009. The LOQ has been elevated to reflect the dilution.

VOCs by GC/MS

Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 36292. An LCS/LCSD was run in lieu of an MS/MSD.

Surrogate recovery for the following sample was outside of acceptance limits: XC24070-013. This sample was analyzed at a high dilution; therefore, re-extraction and/or re-analysis was not performed.

Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 37057. An LCS/LCSD was run in lieu of an MS/MSD.

Xylenes (total) was reported as an estimated value in sample: XC24070-004 as the result was above the upper calibration level. The sample was re-analyzed from the medium level (methanol) vial, but was not reported due to the result being below the LOQ therefore only the low level was reported.

PACE ANALYTICAL SERVICES, LLC

Sample Summary
ARM Environmental Services, Inc.
Lot Number: XC24070

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-1	Solid	03/22/2022 0951	03/24/2022
002	SB-2	Solid	03/22/2022 1017	03/24/2022
003	SB-3	Solid	03/22/2022 1041	03/24/2022
004	SB-4	Solid	03/22/2022 1102	03/24/2022
005	SB-5	Solid	03/22/2022 1121	03/24/2022
006	SB-6	Solid	03/22/2022 1137	03/24/2022
007	SB-7	Solid	03/22/2022 1158	03/24/2022
008	SB-8	Solid	03/22/2022 1228	03/24/2022
009	SB-9	Solid	03/22/2022 1242	03/24/2022
010	SB-10	Solid	03/22/2022 1257	03/24/2022
011	SB-11	Solid	03/22/2022 1426	03/24/2022
012	SB-12	Solid	03/22/2022 1441	03/24/2022
013	SB-13	Solid	03/22/2022 1500	03/24/2022

(13 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary ARM Environmental Services, Inc. Lot Number: XC24070

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	SB-4	Solid	Ethylbenzene	8260D	20		ug/kg	9
004	SB-4	Solid	Xylenes (total)	8260D	330		ug/kg	9
005	SB-5	Solid	Phenanthrene	8270E	19		ug/kg	10
006	SB-6	Solid	Naphthalene	8260D	130		ug/kg	11
006	SB-6	Solid	Xylenes (total)	8260D	18		ug/kg	11
006	SB-6	Solid	Naphthalene	8270E	210		ug/kg	11
008	SB-8	Solid	Naphthalene	8260D	11		ug/kg	13
008	SB-8	Solid	Acenaphthene	8270E	47		ug/kg	13
008	SB-8	Solid	Fluorene	8270E	78		ug/kg	13
008	SB-8	Solid	Naphthalene	8270E	110		ug/kg	13
008	SB-8	Solid	Phenanthrene	8270E	180		ug/kg	13
008	SB-8	Solid	Pyrene	8270E	24		ug/kg	13
011	SB-11	Solid	Ethylbenzene	8260D	52000		ug/kg	16
011	SB-11	Solid	Naphthalene	8260D	23000		ug/kg	16
011	SB-11	Solid	Xylenes (total)	8260D	280000		ug/kg	16
011	SB-11	Solid	Naphthalene	8270E	5100		ug/kg	16
011	SB-11	Solid	Phenanthrene	8270E	19		ug/kg	16
013	SB-13	Solid	Ethylbenzene	8260D	62000	Q	ug/kg	19
013	SB-13	Solid	Naphthalene	8260D	23000	Q	ug/kg	19
013	SB-13	Solid	Toluene	8260D	110000	Q	ug/kg	19
013	SB-13	Solid	Xylenes (total)	8260D	380000	Q	ug/kg	19
013	SB-13	Solid	Acenaphthene	8270E	26		ug/kg	19
013	SB-13	Solid	Anthracene	8270E	32		ug/kg	19
013	SB-13	Solid	Fluorene	8270E	24		ug/kg	19
013	SB-13	Solid	Naphthalene	8270E	15000		ug/kg	19
013	SB-13	Solid	Phenanthrene	8270E	45		ug/kg	19

(26 detections)

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 1851	JM1		36292	5.91

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		5.3	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		5.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.3	ug/kg	1
Naphthalene	91-20-3	8260D	ND		5.3	ug/kg	1
Toluene	108-88-3	8260D	ND		5.3	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		11	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		101	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		96	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/29/2022 2341	SCD	03/28/2022 1100	36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		16	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		16	ug/kg	1
Anthracene	120-12-7	8270E	ND		16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		16	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		16	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		16	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		16	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		16	ug/kg	1
Chrysene	218-01-9	8270E	ND		16	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		16	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		16	ug/kg	1
Fluorene	86-73-7	8270E	ND		16	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		16	ug/kg	1
Naphthalene	91-20-3	8270E	ND		16	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		16	ug/kg	1
Pyrene	129-00-0	8270E	ND		16	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		84	24-137
Nitrobenzene-d5		86	12-144
Terphenyl-d14		92	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: SB-2

Matrix: Solid

Date Sampled: 03/22/2022 1017

% Solids: 80.0 03/24/2022 2321

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 1915	JM1		36292	5.59

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		5.6	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		5.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.6	ug/kg	1
Naphthalene	91-20-3	8260D	ND		5.6	ug/kg	1
Toluene	108-88-3	8260D	ND		5.6	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		11	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		97	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0005	SCD	03/28/2022 1100	36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		16	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		16	ug/kg	1
Anthracene	120-12-7	8270E	ND		16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		16	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		16	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		16	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		16	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		16	ug/kg	1
Chrysene	218-01-9	8270E	ND		16	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		16	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		16	ug/kg	1
Fluorene	86-73-7	8270E	ND		16	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		16	ug/kg	1
Naphthalene	91-20-3	8270E	ND		16	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		16	ug/kg	1
Pyrene	129-00-0	8270E	ND		16	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		84	24-137
Nitrobenzene-d5		85	12-144
Terphenyl-d14		90	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 1940	JM1		36292	4.10

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		8.2	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		8.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		8.2	ug/kg	1
Naphthalene	91-20-3	8260D	ND		8.2	ug/kg	1
Toluene	108-88-3	8260D	ND		8.2	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		16	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		101	47-138
1,2-Dichloroethane-d4		99	53-142
Toluene-d8		94	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0029	SCD	03/28/2022 1100	36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		17	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		17	ug/kg	1
Anthracene	120-12-7	8270E	ND		17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		17	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		17	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		17	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		17	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		17	ug/kg	1
Chrysene	218-01-9	8270E	ND		17	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		17	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		17	ug/kg	1
Fluorene	86-73-7	8270E	ND		17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		17	ug/kg	1
Naphthalene	91-20-3	8270E	ND		17	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		17	ug/kg	1
Pyrene	129-00-0	8270E	ND		17	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		85	24-137
Nitrobenzene-d5		82	12-144
Terphenyl-d14		91	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SB-4

Matrix: Solid

Date Sampled: 03/22/2022 1102

% Solids: 80.4 03/24/2022 2321

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 2004	JM1		36292	4.94

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		6.3	ug/kg	1
Ethylbenzene	100-41-4	8260D	20		6.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		6.3	ug/kg	1
Naphthalene	91-20-3	8260D	ND		6.3	ug/kg	1
Toluene	108-88-3	8260D	ND		6.3	ug/kg	1
Xylenes (total)	1330-20-7	8260D	330		13	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		91	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		99	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0052	SCD	03/28/2022 1100	36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		16	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		16	ug/kg	1
Anthracene	120-12-7	8270E	ND		16	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		16	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		16	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		16	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		16	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		16	ug/kg	1
Chrysene	218-01-9	8270E	ND		16	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		16	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		16	ug/kg	1
Fluorene	86-73-7	8270E	ND		16	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		16	ug/kg	1
Naphthalene	91-20-3	8270E	ND		16	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		16	ug/kg	1
Pyrene	129-00-0	8270E	ND		16	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		84	24-137
Nitrobenzene-d5		84	12-144
Terphenyl-d14		88	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022	2028 JM1		36292	3.69

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		8.9	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		8.9	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		8.9	ug/kg	1
Naphthalene	91-20-3	8260D	ND		8.9	ug/kg	1
Toluene	108-88-3	8260D	ND		8.9	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		18	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	47-138
1,2-Dichloroethane-d4		94	53-142
Toluene-d8		105	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022	0116 SCD	03/28/2022	1100 36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		17	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		17	ug/kg	1
Anthracene	120-12-7	8270E	ND		17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		17	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		17	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		17	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		17	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		17	ug/kg	1
Chrysene	218-01-9	8270E	ND		17	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		17	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		17	ug/kg	1
Fluorene	86-73-7	8270E	ND		17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		17	ug/kg	1
Naphthalene	91-20-3	8270E	ND		17	ug/kg	1
Phenanthrene	85-01-8	8270E	19		17	ug/kg	1
Pyrene	129-00-0	8270E	ND		17	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		89	24-137
Nitrobenzene-d5		87	12-144
Terphenyl-d14		91	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 2051	JM1		36292	5.12

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		6.2	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		6.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		6.2	ug/kg	1
Naphthalene	91-20-3	8260D	130		6.2	ug/kg	1
Toluene	108-88-3	8260D	ND		6.2	ug/kg	1
Xylenes (total)	1330-20-7	8260D	18		12	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		101	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0139	SCD	03/28/2022 1100	36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		17	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		17	ug/kg	1
Anthracene	120-12-7	8270E	ND		17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		17	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		17	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		17	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		17	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		17	ug/kg	1
Chrysene	218-01-9	8270E	ND		17	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		17	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		17	ug/kg	1
Fluorene	86-73-7	8270E	ND		17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		17	ug/kg	1
Naphthalene	91-20-3	8270E	210		17	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		17	ug/kg	1
Pyrene	129-00-0	8270E	ND		17	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		89	24-137
Nitrobenzene-d5		88	12-144
Terphenyl-d14		93	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: SB-7

Matrix: Solid

Date Sampled: 03/22/2022 1158

% Solids: 78.4 03/24/2022 2321

Date Received: 03/24/2022

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 2115	JM1		36292	5.36

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		5.9	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		5.9	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.9	ug/kg	1
Naphthalene	91-20-3	8260D	ND		5.9	ug/kg	1
Toluene	108-88-3	8260D	ND		5.9	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		12	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		94	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0203	SCD	03/28/2022 1100	36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		17	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		17	ug/kg	1
Anthracene	120-12-7	8270E	ND		17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		17	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		17	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		17	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		17	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		17	ug/kg	1
Chrysene	218-01-9	8270E	ND		17	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		17	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		17	ug/kg	1
Fluorene	86-73-7	8270E	ND		17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		17	ug/kg	1
Naphthalene	91-20-3	8270E	ND		17	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		17	ug/kg	1
Pyrene	129-00-0	8270E	ND		17	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		86	24-137
Nitrobenzene-d5		84	12-144
Terphenyl-d14		89	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Client: ARM Environmental Services, Inc.
 Description: SB-8
 Date Sampled: 03/22/2022 1228
 Date Received: 03/24/2022

Laboratory ID: XC24070-008
 Matrix: Solid
 % Solids: 79.0 03/24/2022 2321

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 2139	JM1		36292	4.37

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		7.2	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		7.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		7.2	ug/kg	1
Naphthalene	91-20-3	8260D	11		7.2	ug/kg	1
Toluene	108-88-3	8260D	ND		7.2	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		14	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		101	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		99	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0227	SCD	03/28/2022 1100	36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	47		17	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		17	ug/kg	1
Anthracene	120-12-7	8270E	ND		17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		17	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		17	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		17	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		17	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		17	ug/kg	1
Chrysene	218-01-9	8270E	ND		17	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		17	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		17	ug/kg	1
Fluorene	86-73-7	8270E	78		17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		17	ug/kg	1
Naphthalene	91-20-3	8270E	110		17	ug/kg	1
Phenanthrene	85-01-8	8270E	180		17	ug/kg	1
Pyrene	129-00-0	8270E	24		17	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		85	24-137
Nitrobenzene-d5		82	12-144
Terphenyl-d14		92	20-127

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range Q = Surrogate failure
 ND = Not detected at or above the LOQ N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260D	1	04/04/2022 2045	JM1		37057	5.55

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		6.0	ug/kg	2
Ethylbenzene	100-41-4	8260D	ND		6.0	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		6.0	ug/kg	2
Naphthalene	91-20-3	8260D	ND		6.0	ug/kg	2
Toluene	108-88-3	8260D	ND		6.0	ug/kg	2
Xylenes (total)	1330-20-7	8260D	ND		12	ug/kg	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		91	47-138
1,2-Dichloroethane-d4		91	53-142
Toluene-d8		91	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	5	03/30/2022 0250	SCD	03/28/2022 1100	36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		86	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		86	ug/kg	1
Anthracene	120-12-7	8270E	ND		86	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		86	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		86	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		86	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		86	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		86	ug/kg	1
Chrysene	218-01-9	8270E	ND		86	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		86	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		86	ug/kg	1
Fluorene	86-73-7	8270E	ND		86	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		86	ug/kg	1
Naphthalene	91-20-3	8270E	ND		86	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		86	ug/kg	1
Pyrene	129-00-0	8270E	ND		86	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		87	24-137
Nitrobenzene-d5		79	12-144
Terphenyl-d14		87	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 2228	JM1		36292	6.10

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		5.1	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		5.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.1	ug/kg	1
Naphthalene	91-20-3	8260D	ND		5.1	ug/kg	1
Toluene	108-88-3	8260D	ND		5.1	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		10	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		103	53-142
Toluene-d8		98	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/30/2022 0314	SCD	03/28/2022 1100	36249

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		17	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		17	ug/kg	1
Anthracene	120-12-7	8270E	ND		17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		17	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		17	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		17	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		17	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		17	ug/kg	1
Chrysene	218-01-9	8270E	ND		17	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		17	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		17	ug/kg	1
Fluorene	86-73-7	8270E	ND		17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		17	ug/kg	1
Naphthalene	91-20-3	8270E	ND		17	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		17	ug/kg	1
Pyrene	129-00-0	8270E	ND		17	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		89	24-137
Nitrobenzene-d5		88	12-144
Terphenyl-d14		93	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035 High	8260D	20	04/04/2022 1933	JM1		36758	5.99

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		7100	ug/kg	1
Ethylbenzene	100-41-4	8260D	52000		7100	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		7100	ug/kg	1
Naphthalene	91-20-3	8260D	23000		7100	ug/kg	1
Toluene	108-88-3	8260D	ND		7100	ug/kg	1
Xylenes (total)	1330-20-7	8260D	280000		14000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		130	47-138
1,2-Dichloroethane-d4		102	53-142
Toluene-d8		111	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/29/2022 2134	SCD	03/28/2022 1228	36263
2	3546	8270E	5	03/30/2022 0546	JCG	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		18	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		18	ug/kg	1
Anthracene	120-12-7	8270E	ND		18	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		18	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		18	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		18	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		18	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		18	ug/kg	1
Chrysene	218-01-9	8270E	ND		18	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		18	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		18	ug/kg	1
Fluorene	86-73-7	8270E	ND		18	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		18	ug/kg	1
Naphthalene	91-20-3	8270E	5100		88	ug/kg	2
Phenanthrene	85-01-8	8270E	19		18	ug/kg	1
Pyrene	129-00-0	8270E	ND		18	ug/kg	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Surrogate	Run 1			Run 2		
	Q	% Recovery	Acceptance Limits	Q	% Recovery	Acceptance Limits
2-Fluorobiphenyl		77	24-137		69	24-137
Nitrobenzene-d5		83	12-144		70	12-144
Terphenyl-d14		92	20-127		74	20-127

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range Q = Surrogate failure
 ND = Not detected at or above the LOQ N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260D	1	03/28/2022 2252	JM1		36292	5.07

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND		6.3	ug/kg	1
Ethylbenzene	100-41-4	8260D	ND		6.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		6.3	ug/kg	1
Naphthalene	91-20-3	8260D	ND		6.3	ug/kg	1
Toluene	108-88-3	8260D	ND		6.3	ug/kg	1
Xylenes (total)	1330-20-7	8260D	ND		13	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		96	53-142
Toluene-d8		97	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/29/2022 2158	SCD	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	ND		17	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		17	ug/kg	1
Anthracene	120-12-7	8270E	ND		17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		17	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		17	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		17	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		17	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		17	ug/kg	1
Chrysene	218-01-9	8270E	ND		17	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		17	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		17	ug/kg	1
Fluorene	86-73-7	8270E	ND		17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		17	ug/kg	1
Naphthalene	91-20-3	8270E	ND		17	ug/kg	1
Phenanthrene	85-01-8	8270E	ND		17	ug/kg	1
Pyrene	129-00-0	8270E	ND		17	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		80	24-137
Nitrobenzene-d5		74	12-144
Terphenyl-d14		91	20-127

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035 High	8260D	40	03/31/2022 1913	JM1		36757	5.48

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Benzene	71-43-2	8260D	ND	Q	14000	ug/kg	1
Ethylbenzene	100-41-4	8260D	62000	Q	14000	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND	Q	14000	ug/kg	1
Naphthalene	91-20-3	8260D	23000	Q	14000	ug/kg	1
Toluene	108-88-3	8260D	110000	Q	14000	ug/kg	1
Xylenes (total)	1330-20-7	8260D	380000	Q	29000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene	N	182	47-138
1,2-Dichloroethane-d4		140	53-142
Toluene-d8	N	176	68-124

Semivolatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3546	8270E	1	03/29/2022 2223	SCD	03/28/2022 1228	36263
2	3546	8270E	10	03/30/2022 0610	JCG	03/28/2022 1228	36263

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acenaphthene	83-32-9	8270E	26		17	ug/kg	1
Acenaphthylene	208-96-8	8270E	ND		17	ug/kg	1
Anthracene	120-12-7	8270E	32		17	ug/kg	1
Benzo(a)anthracene	56-55-3	8270E	ND		17	ug/kg	1
Benzo(a)pyrene	50-32-8	8270E	ND		17	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270E	ND		17	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270E	ND		17	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270E	ND		17	ug/kg	1
Chrysene	218-01-9	8270E	ND		17	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270E	ND		17	ug/kg	1
Fluoranthene	206-44-0	8270E	ND		17	ug/kg	1
Fluorene	86-73-7	8270E	24		17	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270E	ND		17	ug/kg	1
Naphthalene	91-20-3	8270E	15000		170	ug/kg	2
Phenanthrene	85-01-8	8270E	45		17	ug/kg	1
Pyrene	129-00-0	8270E	ND		17	ug/kg	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

Q = Surrogate failure

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Surrogate	Run 1			Run 2		
	Q	% Recovery	Acceptance Limits	Q	% Recovery	Acceptance Limits
2-Fluorobiphenyl		86	24-137		78	24-137
Nitrobenzene-d5		93	12-144		81	12-144
Terphenyl-d14		89	20-127		78	20-127

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range Q = Surrogate failure
 ND = Not detected at or above the LOQ N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% L = LCS/LCSD failure
 H = Out of holding time W = Reported on wet weight basis S = MS/MSD failure

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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ36292-001

Matrix: Solid

Batch: 36292

Prep Method: 5035

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Benzene	ND		1	5.0	ug/kg	03/28/2022 1515
Ethylbenzene	ND		1	5.0	ug/kg	03/28/2022 1515
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	03/28/2022 1515
Naphthalene	ND		1	5.0	ug/kg	03/28/2022 1515
Toluene	ND		1	5.0	ug/kg	03/28/2022 1515
Xylenes (total)	ND		1	10	ug/kg	03/28/2022 1515
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		100	47-138			
1,2-Dichloroethane-d4		91	53-142			
Toluene-d8		96	68-124			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

* = RSD is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36292-002

Matrix: Solid

Batch: 36292

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	50	49		1	98	70-130	03/28/2022 1451
Ethylbenzene	50	49		1	99	70-130	03/28/2022 1451
Methyl tertiary butyl ether (MTBE)	50	52		1	103	70-130	03/28/2022 1451
Naphthalene	50	55		1	111	70-130	03/28/2022 1451
Toluene	50	50		1	101	70-130	03/28/2022 1451
Xylenes (total)	100	99		1	99	70-130	03/28/2022 1451
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		104	47-138				
1,2-Dichloroethane-d4		104	53-142				
Toluene-d8		104	68-124				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: XQ36292-003

Matrix: Solid

Batch: 36292

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Benzene	50	45		1	89	9.1	70-130	20	03/28/2022 1627
Ethylbenzene	50	47		1	94	5.0	70-130	20	03/28/2022 1627
Methyl tertiary butyl ether (MTBE)	50	44		1	87	17	70-130	20	03/28/2022 1627
Naphthalene	50	49		1	98	13	70-130	20	03/28/2022 1627
Toluene	50	47		1	93	7.9	70-130	20	03/28/2022 1627
Xylenes (total)	100	94		1	94	5.3	70-130	20	03/28/2022 1627
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		98	47-138						
1,2-Dichloroethane-d4		92	53-142						
Toluene-d8		98	68-124						

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ36757-001

Matrix: Solid

Batch: 36757

Prep Method: 5035 High

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Benzene	ND		1	250	ug/kg	03/31/2022 1148
Ethylbenzene	ND		1	250	ug/kg	03/31/2022 1148
Methyl tertiary butyl ether (MTBE)	ND		1	250	ug/kg	03/31/2022 1148
Naphthalene	ND		1	250	ug/kg	03/31/2022 1148
Toluene	ND		1	250	ug/kg	03/31/2022 1148
Xylenes (total)	ND		1	500	ug/kg	03/31/2022 1148
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		90	47-138			
1,2-Dichloroethane-d4		96	53-142			
Toluene-d8		101	68-124			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36757-002

Matrix: Solid

Batch: 36757

Prep Method: 5035 High

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	2500	2800		1	114	70-130	03/31/2022 1125
Ethylbenzene	2500	2700		1	109	70-130	03/31/2022 1125
Methyl tertiary butyl ether (MTBE)	2500	2600		1	104	70-130	03/31/2022 1125
Naphthalene	2500	2300		1	91	70-130	03/31/2022 1125
Toluene	2500	2600		1	104	70-130	03/31/2022 1125
Xylenes (total)	5000	5300		1	107	70-130	03/31/2022 1125
Surrogate	Q	% Rec			Acceptance Limit		
Bromofluorobenzene		110			47-138		
1,2-Dichloroethane-d4		113			53-142		
Toluene-d8		107			68-124		

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ36758-001

Matrix: Solid

Batch: 36758

Prep Method: 5035 High

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Benzene	ND		1	250	ug/kg	03/31/2022 1148
Ethylbenzene	ND		1	250	ug/kg	03/31/2022 1148
Methyl tertiary butyl ether (MTBE)	ND		1	250	ug/kg	03/31/2022 1148
Naphthalene	ND		1	250	ug/kg	03/31/2022 1148
Toluene	ND		1	250	ug/kg	03/31/2022 1148
Xylenes (total)	ND		1	500	ug/kg	03/31/2022 1148
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		90	47-138			
1,2-Dichloroethane-d4		96	53-142			
Toluene-d8		101	68-124			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

* = RSD is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36758-002

Matrix: Solid

Batch: 36758

Prep Method: 5035 High

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	2500	2800		1	114	70-130	03/31/2022 1125
Ethylbenzene	2500	2700		1	109	70-130	03/31/2022 1125
Methyl tertiary butyl ether (MTBE)	2500	2600		1	104	70-130	03/31/2022 1125
Naphthalene	2500	2300		1	91	70-130	03/31/2022 1125
Toluene	2500	2600		1	104	70-130	03/31/2022 1125
Xylenes (total)	5000	5300		1	107	70-130	03/31/2022 1125
Surrogate	Q	% Rec			Acceptance Limit		
Bromofluorobenzene		110			47-138		
1,2-Dichloroethane-d4		113			53-142		
Toluene-d8		107			68-124		

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ37057-001

Matrix: Solid

Batch: 37057

Prep Method: 5035

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Benzene	ND		1	5.0	ug/kg	04/04/2022 1544
Ethylbenzene	ND		1	5.0	ug/kg	04/04/2022 1544
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	04/04/2022 1544
Naphthalene	ND		1	5.0	ug/kg	04/04/2022 1544
Toluene	ND		1	5.0	ug/kg	04/04/2022 1544
Xylenes (total)	ND		1	10	ug/kg	04/04/2022 1544
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		103	47-138			
1,2-Dichloroethane-d4		96	53-142			
Toluene-d8		93	68-124			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ37057-002

Matrix: Solid

Batch: 37057

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	50	47		1	94	70-130	04/04/2022 1456
Ethylbenzene	50	48		1	96	70-130	04/04/2022 1456
Methyl tertiary butyl ether (MTBE)	50	48		1	95	70-130	04/04/2022 1456
Naphthalene	50	49		1	98	70-130	04/04/2022 1456
Toluene	50	48		1	97	70-130	04/04/2022 1456
Xylenes (total)	100	96		1	96	70-130	04/04/2022 1456
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		92	47-138				
1,2-Dichloroethane-d4		90	53-142				
Toluene-d8		93	68-124				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: XQ37057-003

Matrix: Solid

Batch: 37057

Prep Method: 5035

Analytical Method: 8260D

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Benzene	50	47		1	95	0.16	70-130	20	04/04/2022 1620
Ethylbenzene	50	48		1	96	0.067	70-130	20	04/04/2022 1620
Methyl tertiary butyl ether (MTBE)	50	50		1	99	3.7	70-130	20	04/04/2022 1620
Naphthalene	50	51		1	102	3.0	70-130	20	04/04/2022 1620
Toluene	50	48		1	95	1.4	70-130	20	04/04/2022 1620
Xylenes (total)	100	98		1	98	1.7	70-130	20	04/04/2022 1620
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		94	47-138						
1,2-Dichloroethane-d4		92	53-142						
Toluene-d8		94	68-124						

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: XQ36249-001

Matrix: Solid

Batch: 36249

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1100

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acenaphthene	ND		1	13	ug/kg	03/29/2022 1834
Acenaphthylene	ND		1	13	ug/kg	03/29/2022 1834
Anthracene	ND		1	13	ug/kg	03/29/2022 1834
Benzo(a)anthracene	ND		1	13	ug/kg	03/29/2022 1834
Benzo(a)pyrene	ND		1	13	ug/kg	03/29/2022 1834
Benzo(b)fluoranthene	ND		1	13	ug/kg	03/29/2022 1834
Benzo(g,h,i)perylene	ND		1	13	ug/kg	03/29/2022 1834
Benzo(k)fluoranthene	ND		1	13	ug/kg	03/29/2022 1834
Chrysene	ND		1	13	ug/kg	03/29/2022 1834
Dibenzo(a,h)anthracene	ND		1	13	ug/kg	03/29/2022 1834
Fluoranthene	ND		1	13	ug/kg	03/29/2022 1834
Fluorene	ND		1	13	ug/kg	03/29/2022 1834
Indeno(1,2,3-c,d)pyrene	ND		1	13	ug/kg	03/29/2022 1834
Naphthalene	ND		1	13	ug/kg	03/29/2022 1834
Phenanthrene	ND		1	13	ug/kg	03/29/2022 1834
Pyrene	ND		1	13	ug/kg	03/29/2022 1834
Surrogate	Q	% Rec	Acceptance Limit			
2-Fluorobiphenyl		99	24-137			
Nitrobenzene-d5		101	12-144			
Terphenyl-d14		110	20-127			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36249-002

Matrix: Solid

Batch: 36249

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1100

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acenaphthene	670	610		1	91	12-111	03/29/2022 1857
Acenaphthylene	670	660		1	99	44-122	03/29/2022 1857
Anthracene	670	680		1	101	16-122	03/29/2022 1857
Benzo(a)anthracene	670	610		1	91	40-121	03/29/2022 1857
Benzo(a)pyrene	670	700		1	105	36-114	03/29/2022 1857
Benzo(b)fluoranthene	670	630		1	94	38-123	03/29/2022 1857
Benzo(g,h,i)perylene	670	680		1	102	43-120	03/29/2022 1857
Benzo(k)fluoranthene	670	660		1	99	40-126	03/29/2022 1857
Chrysene	670	650		1	97	41-124	03/29/2022 1857
Dibenzo(a,h)anthracene	670	680		1	102	38-125	03/29/2022 1857
Fluoranthene	670	650		1	97	26-133	03/29/2022 1857
Fluorene	670	610		1	92	19-108	03/29/2022 1857
Indeno(1,2,3-c,d)pyrene	670	680		1	102	42-123	03/29/2022 1857
Naphthalene	670	600		1	90	10-112	03/29/2022 1857
Phenanthrene	670	630		1	94	16-123	03/29/2022 1857
Pyrene	670	640		1	96	34-121	03/29/2022 1857
Surrogate	Q	% Rec	Acceptance Limit				
2-Fluorobiphenyl		92	24-137				
Nitrobenzene-d5		93	12-144				
Terphenyl-d14		102	20-127				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Semivolatile Organic Compounds by GC/MS - MB

Sample ID: XQ36263-001

Matrix: Solid

Batch: 36263

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1228

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acenaphthene	ND		1	13	ug/kg	03/29/2022 2045
Acenaphthylene	ND		1	13	ug/kg	03/29/2022 2045
Anthracene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(a)anthracene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(a)pyrene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(b)fluoranthene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(g,h,i)perylene	ND		1	13	ug/kg	03/29/2022 2045
Benzo(k)fluoranthene	ND		1	13	ug/kg	03/29/2022 2045
Chrysene	ND		1	13	ug/kg	03/29/2022 2045
Dibenzo(a,h)anthracene	ND		1	13	ug/kg	03/29/2022 2045
Fluoranthene	ND		1	13	ug/kg	03/29/2022 2045
Fluorene	ND		1	13	ug/kg	03/29/2022 2045
Indeno(1,2,3-c,d)pyrene	ND		1	13	ug/kg	03/29/2022 2045
Naphthalene	ND		1	13	ug/kg	03/29/2022 2045
Phenanthrene	ND		1	13	ug/kg	03/29/2022 2045
Pyrene	ND		1	13	ug/kg	03/29/2022 2045
Surrogate	Q	% Rec	Acceptance Limit			
2-Fluorobiphenyl		87	24-137			
Nitrobenzene-d5		79	12-144			
Terphenyl-d14		102	20-127			

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: XQ36263-002

Matrix: Solid

Batch: 36263

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1228

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acenaphthene	670	560		1	83	12-111	03/29/2022 2109
Acenaphthylene	670	630		1	95	44-122	03/29/2022 2109
Anthracene	670	630		1	94	16-122	03/29/2022 2109
Benzo(a)anthracene	670	560		1	83	40-121	03/29/2022 2109
Benzo(a)pyrene	670	640		1	96	36-114	03/29/2022 2109
Benzo(b)fluoranthene	670	530		1	80	38-123	03/29/2022 2109
Benzo(g,h,i)perylene	670	570		1	85	43-120	03/29/2022 2109
Benzo(k)fluoranthene	670	610		1	92	40-126	03/29/2022 2109
Chrysene	670	570		1	85	41-124	03/29/2022 2109
Dibenzo(a,h)anthracene	670	560		1	84	38-125	03/29/2022 2109
Fluoranthene	670	580		1	88	26-133	03/29/2022 2109
Fluorene	670	600		1	90	19-108	03/29/2022 2109
Indeno(1,2,3-c,d)pyrene	670	590		1	88	42-123	03/29/2022 2109
Naphthalene	670	570		1	85	10-112	03/29/2022 2109
Phenanthrene	670	600		1	89	16-123	03/29/2022 2109
Pyrene	670	640		1	96	34-121	03/29/2022 2109
Surrogate	Q	% Rec	Acceptance Limit				
2-Fluorobiphenyl		85	24-137				
Nitrobenzene-d5		82	12-144				
Terphenyl-d14		99	20-127				

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: XC24070-011MS

Matrix: Solid

Batch: 36263

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1228

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acenaphthene	ND	850	660		1	77	12-111	03/30/2022 0748
Acenaphthylene	ND	850	750		1	89	44-122	03/30/2022 0748
Anthracene	ND	850	710		1	84	16-122	03/30/2022 0748
Benzo(a)anthracene	ND	850	650		1	76	40-121	03/30/2022 0748
Benzo(a)pyrene	ND	850	700		1	83	36-114	03/30/2022 0748
Benzo(b)fluoranthene	ND	850	590		1	70	38-123	03/30/2022 0748
Benzo(g,h,i)perylene	ND	850	530		1	63	43-120	03/30/2022 0748
Benzo(k)fluoranthene	ND	850	660		1	77	40-126	03/30/2022 0748
Chrysene	ND	850	630		1	75	41-124	03/30/2022 0748
Dibenzo(a,h)anthracene	ND	850	560		1	66	38-125	03/30/2022 0748
Fluoranthene	ND	850	650		1	76	26-133	03/30/2022 0748
Fluorene	ND	850	660		1	78	19-108	03/30/2022 0748
Indeno(1,2,3-c,d)pyrene	ND	850	560		1	66	42-123	03/30/2022 0748
Naphthalene	3600	850	3700	E	1	10	10-112	03/30/2022 0748
Phenanthrene	19	850	680		1	77	16-123	03/30/2022 0748
Pyrene	ND	850	740		1	88	34-121	03/30/2022 0748
Surrogate	Q	% Rec	Acceptance Limit					
2-Fluorobiphenyl		79	24-137					
Nitrobenzene-d5		81	12-144					
Terphenyl-d14		83	20-127					

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: XC24070-011MD

Matrix: Solid

Batch: 36263

Prep Method: 3546

Analytical Method: 8270E

Prep Date: 03/28/2022 1228

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	850	670		1	79	2.6	12-111	30	03/30/2022 0813
Acenaphthylene	ND	850	760		1	89	0.76	44-122	30	03/30/2022 0813
Anthracene	ND	850	740		1	86	3.3	16-122	30	03/30/2022 0813
Benzo(a)anthracene	ND	850	660		1	77	1.9	40-121	30	03/30/2022 0813
Benzo(a)pyrene	ND	850	710		1	84	1.6	36-114	30	03/30/2022 0813
Benzo(b)fluoranthene	ND	850	590		1	69	0.24	38-123	30	03/30/2022 0813
Benzo(g,h,i)perylene	ND	850	510		1	59	5.5	43-120	30	03/30/2022 0813
Benzo(k)fluoranthene	ND	850	670		1	78	1.9	40-126	30	03/30/2022 0813
Chrysene	ND	850	660		1	78	4.8	41-124	30	03/30/2022 0813
Dibenzo(a,h)anthracene	ND	850	550		1	65	0.77	38-125	30	03/30/2022 0813
Fluoranthene	ND	850	650		1	77	1.2	26-133	30	03/30/2022 0813
Fluorene	ND	850	680		1	80	2.9	19-108	30	03/30/2022 0813
Indeno(1,2,3-c,d)pyrene	ND	850	560		1	66	0.31	42-123	30	03/30/2022 0813
Naphthalene	3600	850	3800	E	1	23	3.0	10-112	30	03/30/2022 0813
Phenanthrene	19	850	680		1	78	1.3	16-123	30	03/30/2022 0813
Pyrene	ND	850	760		1	89	2.4	34-121	30	03/30/2022 0813
Surrogate	Q	% Rec	Acceptance Limit							
2-Fluorobiphenyl		77	24-137							
Nitrobenzene-d5		81	12-144							
Terphenyl-d14		85	20-127							

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

ARM ENVIRONMENTAL SERVICES, INC.
ASSESSMENT & REMEDIAL SERVICES

1210 1st STREET SOUTH EXTENSION COLUMBIA, SOUTH CAROLINA 29209 PHONE: 803-783-3314 FAX: 803-783-2587

Project #	Project Name	Preservative 1. Unpreserved 2. NaOH 3. H ₂ SO ₄ 4. HNO ₃ 5. HCl 6. Na ₂ S ₂ O ₈ 7. E035 KIT	Laboratory Utilized	Sampler Signature	Sample ID / Description	Date		Time	Matrix G = Grab C = Composite	5. GW, DW, DL, OTHER	BTEX, NAPH, MTBE	PAH	Date	Time	Project Manager	
						Relinquished by / Sampler	Relinquished by									
08-300-22	2114 BARR		PAE / EQI		SB-1	3/22/22	3/24/22	0957	G	S	X	X	3/27/22	0945	RICHARD CICCOLELLA	
					SB-2	3/22/22		1017	G	S	X	X				
					SB-3	3/22/22		1041	G	S	X	X				
					SB-4	3/22/22		1102	G	S	X	X				
					SB-5	3/22/22		1121	G	S	X	X				
					SB-6	3/22/22		1137	G	S	X	X				
					SB-7	3/22/22		1158	G	S	X	X				
					SB-8	3/22/22		1228	G	S	X	X				
					SB-9	3/22/22		1242	G	S	X	X				
					SB-10	3/22/22		1257	G	S	X	X				
Relinquished by / Sampler						Date	Date	Time	Time	Received by	Received by	Date	Date	Time	Time	Project Manager
Relinquished by						3/24/22	3/24/22	1555	0945				3/27/22	0945		RICHARD CICCOLELLA
Relinquished by						3/24/22	3/24/22	1555					3/24/22	1555		P.O. Number 08-300-22



Samples Receipt Checklist (SRC) (ME0018C-15)

Issuing Authority: Pace ENV - WCOL

Revised: 9/29/2020

Page 1 of 1

Sample Receipt Checklist (SRC)

Client: ARM

Cooler Inspected by/date: KDRW / 03/24/2022

Lot #: XC2407D

Means of receipt: <input checked="" type="checkbox"/> Pace <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?
pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA	
Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: 22-3	
2.4 / 2.4 °C NA / NA °C NA / NA °C NA / NA °C	
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C	
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	14. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (1/4" or 6mm in diameter) in any of the VOA vials?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH ₃ /TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote #
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)	
Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA	
Time of preservation NA. If more than one preservative is needed, please note in the comments below.	
Sample(s) NA were received with bubbles >6 mm in diameter.	
Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is no) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na ₂ S ₂ O ₃) with Shealy ID: NA	
SR barcode labels applied by: KDRW Date: 03/24/2022	

Comments:

Attachment C

EM / GPR Information



www.REEDTECHINC.com
reedtechinc@gmail.com
(803) 750-9971
P.O. Box 61104
Columbia, SC 29260

March 9, 2022

**Richard Ciccolella
ARM Environmental Services
1210 1st Street South Ext, Columbia, SC 29209**

Re: Geophysical Evaluation – 2114 Broad River Rd. Columbia, SC

Mr. Ciccolella,

ARM Environmental Services contracted Reed Tech Utility and Geophysical locating to conduct a geophysical evaluation of the 2114 Broad River Rd. Columbia, SC property to identify any potential underground storage tanks (USTs). On March 8th, 2022, Reed Tech conducted a two phased geophysical evaluation using multi-frequency electromagnetic profiling and ground penetrating radar. No evidence of a UST was detected on the property.

Please do not hesitate to call if you have any questions concerning this summary of findings. We appreciate the opportunity to have worked with you on this project.

Sincerely,

Duke Brantley, PhD, PG
President
Reed Tech



www.REEDTECHINC.com
reedtechinc@gmail.com
(803) 750-9971
P.O. Box 61104
Columbia, SC 29260

March 9, 2022

**Richard Ciccolella
ARM Environmental Services
1210 1st Street South Ext, Columbia, SC 29209**

Re: Geophysical Evaluation – 2116 Broad River Rd. Columbia, SC

Mr. Ciccolella,

ARM Environmental Services contracted Reed Tech Utility and Geophysical locating to conduct a geophysical evaluation of the 2116 Broad River Rd. Columbia, SC property to identify any potential underground storage tanks (USTs). On March 8th, 2022, Reed Tech conducted a two-phased geophysical evaluation using multi-frequency electromagnetic profiling and ground penetrating radar. No evidence of a UST was detected on the property.

Please do not hesitate to call if you have any questions concerning this summary of findings. We appreciate the opportunity to have worked with you on this project.

Sincerely,

Duke Brantley, PhD, PG
President
Reed Tech

Appendix B: Noise Analysis Addendum

**Noise Addendum
Executive Summary
Carolina Crossroads Phase 2 – I-20 at Broad River Road Interchange
Richland and Lexington Counties, South Carolina
June 16, 2022**

Project Description: This proposed *Carolina Crossroads* (CCR) project will increase capacity, improve operation, and reconstruct/improve 12 interchanges along the I-20/20/126 corridor in Richland and Lexington Counties, South Carolina. The Federal Highway Administration (FHWA) approved a final environmental impact statement (FEIS) and record of decision (ROD) on May 2, 2019, and three reevaluations have been approved since the FEIS.

The project will be constructed in five phases through the design-build (DB) process. This noise addendum covers work proposed in Phase 2. CCR Phase 2 includes improvements to the I-20 and Broad River Road interchange widening I-20 east of the Broad River Road interchange.

Project Changes: The DB Team identified an alternate design for the I-20 and Broad River Road interchange which changes the preferred configuration from a full access tight urban diamond interchange to a partial diverging diamond interchange [DDI]).

This addendum documents the geometric alignment changes proposed by the DB Team. Additionally, this addendum documents the analysis and resulting changes to the design of noise sensitive areas (NSA) Q, R, S and T as a result of the final roadway design information.

Prepared By: Luis Velasquez, PE

QC/QA: Justin Maderia, PE, PTOE, PTP



Signature Date 6/16/2022

Signature Date 6/16/2022

David P. Kelly 6/22/2022
Approved By: SCDOT Signature Date

Table of Contents

1. Introduction..... 1
 1.1 What is The Proposed Project? 1
 1.2 Project Changes 2
2. Re-Evaluation of Build Conditions Sound Levels..... 3
3. Re-Evaluation of Noise Barriers..... 3
 3.1 Noise Barrier Q Re-Evaluation..... 4
 3.2 Noise Barrier R Re-Evaluation 5
 3.3 Noise Barrier S Re-Evaluation 6
 3.4 Noise Barrier T Re-Evaluation 7
 3.5 Parallel Barrier Analysis 8
4. What are the Conclusions? 9

Tables

Table 1: NSA Sound Level Changes 3
Table 2: Noise Barrier Q Design Changes..... 5
Table 3: Noise Barrier R Design Changes 6
Table 4: Noise Barrier S Design Changes 7
Table 5: Noise Barrier T Design Changes 8
Table 6: Parallel Barrier Analysis Locations 9

Attachments

- Attachment A – Tables
- Attachment B – Noise Levels & Noise Barrier Graphics
- Attachment C – TNM 2.5 Runs
- Attachment D – TNM 2.5 Sound Level Outputs
- Attachment E – TNM 2.5 Noise Barrier Design Outputs
- Attachment F – Updated SCDOT Reasonable and Feasible Worksheets
- Attachment G – Noise Barrier Public Outreach Ballots

NOISE ADDENDUM
CAROLINA CROSSROADS PHASE 2 – I-20 AT BROAD RIVER ROAD
INTERCHANGE
RICHLAND AND LEXINGTON COUNTIES, SOUTH CAROLINA
JUNE 16, 2022

1. INTRODUCTION

In compliance with 23 USC Section 109(h) and (i), the Federal Highway Administration (FHWA) established a standard for the assessment of highway traffic-generated noise. The standard, published as Part 772 of Title 23 of the Code of Federal Regulations (23 C.F.R. § 772), provides procedures to be followed in conducting noise analyses that will protect the public health, welfare, and livability. In accordance with the Noise Control Act of 1972, coordination of this regulation with the Environmental Protection Agency (EPA) has been completed. The following assessment has been prepared in accordance with 23 C.F.R. § 772 and SCDOT Traffic Noise Abatement Policy (2019).

This noise addendum serves as an update to the noise analysis included in the final environmental impact statement (FEIS) and record of decision (ROD) approved on May 2, 2019 (hereafter referred to as the May 2019 FEIS). SCDOT is administering the final design and construction of the project through a Design-Build (DB) contract. This addendum documents the geometric alignment changes proposed by the DB Team since design has been finalized for the I-20 at Broad River Road Interchange (the DB Team [2022] Final Design). Additionally, this addendum documents the analysis and resulting changes to the design of Noise Barriers Q, R, S and T as a result of the DB Team (2022) Final Design.

1.1 What is The Proposed Project?

FHWA and the South Carolina Department of Transportation (SCDOT) propose to implement various strategies that will improve the mobility and enhance traffic operations by reducing existing traffic congestion within the I-20/26/126 corridor in Richland and Lexington Counties, South Carolina. The proposed project, Carolina Crossroads (CCR), will ultimately increase capacity and improve operations along the corridor, including reconstructing/improving the following interchanges: the I-20 and I-26 system-to-system interchange, I-26 Exit 101 at Broad River Road, I-26 Exit 102 at Lake Murray Boulevard, I-26 Exit 103 at Harbison Boulevard, I-26 Exit 104 at Piney Grove Road, I-26 Exit 106 at St Andrews Road, I-26 Exit 108 at Bush River Road, the I-26/I-126 interchange, I-26 Exit 110 at US 378, I-126 at Colonial Life Boulevard, I-20 Exit 65 at Broad River Road, and I-20 Exit 63 at Bush River Road.

FHWA approved a FEIS and record of decision (ROD) for the project on May 2, 2019. Three reevaluations have been completed for the project since the FEIS/ROD: one for CCR Phase 1 design updates due to right-of-way (ROW) changes (approved August 3, 2020), one for Noise Barrier R updates (approved October 30, 2020), and one for demolition updates (approved December 8, 2020). The project has since progressed towards construction that will occur in five phases through the DB process. Project construction is anticipated to begin in fall 2022 with traffic control/maintenance activities and substantial project completion scheduled for March 2025.

Under CCR Phase 2, SCDOT proposes improvements to Interstate 20 (I-20) in Richland County, SC, including widening I-20, constructing new ramps and bridges, and replacing the I-20 at US 176 (Broad River Road) interchange with a new interchange design. The project will extend from approximately 0.2 mile east of the Browning Road overpass to just west of the existing bridge over the Broad River.

SCDOT is administering the final design and construction of the project through a DB contract. The DB team has slightly modified various design elements of the previous Refined Recommended Preferred Alternative (RRPA), including an alternative design for the I-20 at US 176 (Broad River Road) interchange to provide the most efficient and economical solution to SCDOT. As a result of these changes, the environmental noise impacts have been reevaluated, as discussed below.

1.2 Project Changes

The CCR Phase 2 DB Team evaluated the previous RRPA for CCR Phase 2 to develop more efficient and economical solutions based on design and construction. This included a detailed evaluation of the I-20 at US 176 (Broad River Road) interchange (Exit 65). A single point urban interchange (SPUI) was proposed as the RRPA design to replace the existing tight diamond interchange. The CCR Phase 2 DB Team proposes an alternative design for the I-20 at US 176 (Broad River Road) interchange—an offset diverging diamond interchange (DDI)—for I-20 at US 176. Following extensive analysis, the offset DDI was chosen as the most preferred concept based on several factors, such as constructability, cost effectiveness, and traffic operations. The proposed design does not include addition or removal of ramp connections to I-20 and I-26, which are proposed as part of the RRPA.

The purpose of the project is to provide traffic access to and from I-20 and Broad River Road efficiently and safely by replacing the old over capacity interchange and adding additional capacity along I-20 within the study limits, while keeping in view the ultimate design of the I-20/I-26/I-126 interchange. CCR Phase 2 includes adding lanes to I-20 and replacing the existing I-20/US 176 (Broad River Road) tight diamond interchange (Exit 65) with an offset DDI. These improvements include constructing new parallel bridges along Broad River Road over I-20, all new entrance and exit ramps, and other improvements to surface streets and frontage roads. This design creates two new “crossover” intersections instead of a single point intersection. The crossover is where three of the four interchange ramps intersect at a single location.

In addition, CCR Phase 2 will include construction of an exit ramp from I-20 westbound (WB) to I-26 eastbound (EB) and WB. This ramp will connect to a collector-distributor (CD) road which will include traffic from Broad River Road. The CD Road, at its maximum, will have three WB lanes. Two will split off and connect to WB I-26 and one will connect to EB I-26 once the I-20/I-26/I-126 interchange is complete. In the interim, the new connection will tie into the existing I-26 WB ramps and not reach its full capacity until the ultimate interchange is complete. Traffic that is bound for I-26 EB will continue to use the existing loop ramp until the ultimate system-to-system interchange is complete. The project will also include the relocation of Garner Lane from the I-20 EB entrance ramp to connect with Longcreek Drive north of the Broad River Road/Longcreek Drive intersection.

The following design changes were also made as part of the new offset DDI:

1. The entrance ramp from northbound (NB) Broad River Road to I-20 WB has been modified. The change reduced the ramp from two lanes to one lane. The amount of traffic using the ramp in the peak hour only required one lane. It also allows the merging with the ramp from southbound (SB) Broad River to I-20 WB to occur more efficiently.
2. The two-lane portion of the EB I-20 on-ramp from Broad River Road has been extended to provide a total of 800 feet from the south crossover intersection to improve safety and operations.
3. The south leg of Broad River Road at Briargate Circle/Marley Drive has been widened to accommodate the bicycle lane in the SB direction. The NB left turn is channelized at this approach allowing the NB and SB left-turn lanes to align with each other. The channelization is provided using pavement markings to provide guidance to drivers without presenting an obstruction in the roadway.

2. RE-EVALUATION OF BUILD CONDITIONS SOUND LEVELS

The DB Team (2022) Final Design modified the RRPA at the I-20 at US 176 (Broad River Road) interchange to an offset DDI which has the potential to influence sound levels at noise sensitive areas (NSAs) Q, R, S, T. The Build condition was reanalyzed assuming the full buildout conditions, after all phases of the CCR are completed. The Traffic Noise Model 2.5 (TNM) was updated to include the final design changes as a result of the DB Team changes and modifications to the proposed noise barrier alignment (Barriers R and S). The TNM predicted results are summarized in **Table 1**.

Table 1: NSA Sound Level Changes

NSA	# of Receivers	May 2019 FEIS	October 2020 Barrier R Re-Eval	DB Team (2022) Final Design	Change in Impacts from May 2019 FEIS to DB Team (2022) Final Design
		No. of Impacted Receivers	No. of Impacted Receivers	No. of Impacted Receivers	
Q	184	48	-	43	-5
R	93	78	77	84	+7
S	520	134	-	169	+35
T	61	20	-	24	+4
Total Impacts		280		320	+41

Table 1 summarizes the total number of receivers, the number of impacted receivers, and the change in impacts from either the May 2019 FEIS (for NSA Q, S, and T) or from the October 2020 Reevaluation (NSA R) and this addendum. The table shows that when the May 2019 FEIS sound levels are compared to the DB Team (2022) Final Design sound levels there is a reduction in impacted receivers in NSA Q and an increase in impacted receivers in NSA S and NSA T. The table also shows that when the October 2020 Reevaluation sound levels are compared to the DB Team (2022) Final Design sound levels there is an increase in impacted receivers in NSA R. Overall, there is an increase in the total number of impacts with the DB Team (2022) Final Design when compared to the May 2019 FEIS. The increase is likely caused by changes to the traffic volumes, truck percentages used in the TNM, and roadway geometry (horizontal and vertical design changes) in the DB Team (2022) Final Design.

Table 1, in Attachment A, provides a summary of the sound level results from the May 2019 FEIS and the results from this noise addendum. These results are shown graphically in Figure 1 in Attachment B. A comparison of the proposed concept included in the May 2019 FEIS to the DB Team (2022) Final Design is shown in Figure 2 in Attachment B. The TNM 2.5 files are in Attachment C. The TNM 2.5 sound level outputs are included in Attachment D.

3. RE-EVALUATION OF NOISE BARRIERS

The final location of the noise barriers was determined based on noise impacts provided in the May 2019 FEIS and as a result of DB Team (2022) Final Design noise impacts. The feasibility, reasonableness, and design of Noise Barriers Q, R, S and T were re-evaluated as part of this addendum. This re-evaluation determined whether these four noise barriers would pass the feasible and reasonable criteria to construct each noise barrier. Details regarding the feasible and reasonableness criteria are listed below.

According to the SCDOT Traffic Noise Abatement Policy (October 10, 2019), a 5 dB(A) reduction must be achieved for 75 percent of the impacted receivers for the noise barrier to be acoustically feasible to construct. Additionally, the barrier shall pass the engineering feasibility criteria which includes a review of the following:

1. Topography – Determine if the abatement measure could be constructed given the topography of the location
2. Safety – Maintaining a clear recovery zone, sight distance and accommodation of disabled vehicles
3. Drainage – Issues created by directing water along, under, or away from an abatement measure
4. Utilities – Large overhead power lines, underground water, sewer, gas, oil, etc., can have a significant impact on costs and design options
5. Maintenance – Potential issues from location of abatement measure and construction materials
6. Access – Refers to the ingress and egress to properties that would be affected by the noise abatement measure
7. The exposed height of the noise abatement measure cannot exceed 25 feet based on constructability constraints

According to the SCDOT Noise Policy, three mandatory reasonable factors must be met for a noise barrier to be considered reasonable: viewpoint of the property owners and residents of benefited receptors, cost effectiveness, and noise reduction design goal.

This addendum discusses the results of the re-evaluation for Noise Barriers Q, R, S and T based on the revised DB Team (2022) Final Design. Overall, the roadway design and subsequent noise barrier design has been finalized using more refined and defined design elements.

3.1 Noise Barrier Q Re-Evaluation

The location of Noise Barrier Q was determined based on noise impacts provided in the May 2019 Detailed Noise Analysis Technical Report, and as a result of the DB Team (2022) Final Design noise impacts. Noise Barrier Q was analyzed to begin at station 161+26 and end at station 194+55 along the centerline of I-20. It would be located approximately 135 feet to 274 feet north of the centerline of I-20 and would be approximately 3,362 feet in length. The feasibility and reasonableness of constructing Noise Barrier Q was re-evaluated as part of this noise addendum.

Noise Barrier Q was analyzed for feasibility which resulted in 100 percent of the impacted receivers behind the barrier experiencing a reduction in sound levels of 5 dB(A) or greater. An engineering feasibility analysis was also completed reviewing the following areas:

1. Topography – The noise barrier can be constructed without significant issues with existing or proposed grades
2. Safety – The noise barrier can be placed outside the clear zone where possible or protected by using guardrail or concrete side barrier
3. Drainage – Drainage along the barrier would need to be designed to allow for positive drainage and the noise barrier placement would need to avoid ditches, pipes, and culverts.
4. Utilities – There are large overhead utilities in the vicinity of the noise barrier, crossing perpendicular to I-26. Notches in the noise barrier heights, to avoid radial intrusions, would need to be considered in the final, reasonable design
5. Maintenance – The location of the noise barrier would be inside existing SCDOT ROW.
6. Access – Access to the noise barrier would need to be from I-26, not via private residences adjacent to the interstate
7. The exposed height of the noise abatement did not exceed 25 feet based on constructability constraints for this feasibility analysis

Therefore, according to the SCDOT Noise Policy, Noise Barrier Q is feasible to construct.

The reasonableness analysis for Noise Barrier Q included noise barrier panels that were 25 feet tall to achieve the largest number of benefited receptors and maximize the benefit at each receptor. The

reasonableness analysis resulted in 63 percent of the benefited first and second row receivers achieving an 8 dB(A) reduction, which is below SCDOT policy of more than 80 percent of the benefited front row receivers achieving an 8 dB(A) reduction. For this reason, Noise Barrier Q does not meet SCDOT’s policy and is not reasonable to construct.

The associated design changes for Noise Barrier Q are listed in **Table 2**.

Table 2: Noise Barrier Q Design Changes

Report	Length (Ft.)	Wall Height Range (Min Ft. - Max Ft.)	No. of Impacted Receptors	No. of Benefited Receptors	% Impacted Receptors Achieving 5 dBA Reduction	% Impacted Receptors Achieving 8 dBA Reduction	Estimated Cost per Benefited Receptor (\$)	Estimated Construction Cost (\$)
May 2019 FEIS	3,360	25	48	159	100	61	N/A	N/A
DB Team (2022) Final Design	3,362	25	43	128	100	63	N/A	N/A

Table 2 in Attachment A summarizes the results of the Noise Barrier Q evaluation. Figure 1 in Attachment B illustrates the results of the Noise Barrier Q evaluation. The TNM 2.5 files are in Attachment C. The TNM 2.5 sound level outputs are included in Attachment D. The barrier height data is summarized in Attachment E. An updated SCDOT Feasibility and Reasonableness Worksheet for Noise Barrier Q is in Attachment F.

3.2 Noise Barrier R Re-Evaluation

The location of Noise Barrier R was determined based on noise impacts provided in the May 2019 Detailed Noise Analysis Technical Report and as a result of the DB Team (2022) Final Design noise impacts. Noise Barrier R was analyzed to begin at station 216+73 and end at station 258+67 along the centerline of I-20. It would be located approximately 79 feet to 204 feet north of the centerline of I-20 and would be approximately 4,550 feet in length. The feasibility and reasonableness of constructing Noise Barrier R was re-evaluated as part of this noise addendum.

Noise Barrier R was analyzed for feasibility which resulted in 100 percent of the impacted receivers behind the barrier experiencing a reduction in sound levels of 5 dB(A) or greater. An engineering feasibility analysis was also completed by reviewing the following areas:

1. Topography – The noise barrier can be constructed without significant issues with existing or proposed grades
2. Safety – The noise barrier can be placed outside the clear zone where possible or protected by using guardrail or concrete side barrier
3. Drainage – Drainage along the barrier would need be designed to allow for positive drainage and the noise barrier placement would need to avoid ditches, pipes, and culverts
4. Utilities – There are large overhead utilities in the vicinity of the noise barrier, crossing perpendicular to I-26. Notches in the noise barrier heights, to avoid radial intrusions, would need to be considered in the final, reasonable design.
5. Maintenance – The location of the noise barrier would be inside existing SCDOT ROW
6. Access – Access to the noise barrier would need to be from I-26, not via private residences adjacent to the interstate
7. The exposed height of the noise abatement did not exceed 25 feet based on constructability constraints for this feasibility analysis

Therefore, according to the SCDOT Noise Policy, Noise Barrier R is feasible to construct.

The reasonableness analysis for Noise Barrier R included noise barrier panels that were 8 to 21 feet tall to achieve the largest number of benefited receptors and maximize the benefit at each receptor. The reasonableness analysis resulted in 81 percent of the benefited first and second row receivers achieving an 8 dB(A) reduction, which is above the SCDOT policy of 80 percent of the benefited front row receivers achieving an 8 dB(A) reduction. The estimated construction cost for Noise Barrier R is \$2,693,180 and the benefit achieved by constructing Noise Barrier R is \$29,924 per benefited receiver, which is below SCDOT policy of \$30,000 per benefited receiver. Therefore, Noise Barrier R meets SCDOT’s policy and is reasonable to construct.

The associated design changes for Noise Barrier R are listed in **Table 3**.

Table 3: Noise Barrier R Design Changes

Report	Length (Ft.)	Wall Height Range (Min Ft. - Max Ft.)	No. of Impacted Receptors	No. of Benefited Receptors	% Impacted Receptors Achieving 5 dBA Reduction	% Impacted Receptors Achieving 8 dBA Reduction	Estimated Cost per Benefited Receptor (\$)	Estimated Construction Cost (\$)
May 2019 FEIS	4,320	11-22	78	87	95	80	32,680	2,843,120
October 2020 Barrier R Re-Eval	4,550	11-15	77	91	75	81	25,710	2,339,645
DB Team (2022) Final Design	4,200	8-21	84	90	98	81	29,924	2,693,180

Table 3 in Attachment A summarizes the results of the Noise Barrier R evaluation. Figure 1 in Attachment B illustrates the results of the Noise Barrier R evaluation. The TNM 2.5 files are in Attachment C. The TNM 2.5 sound level outputs are included in Attachment D. The barrier height data is summarized in Attachment E. An updated SCDOT Feasibility and Reasonableness Worksheet for Noise Barrier R is in Attachment F. A summary of the SCDOT completed public outreach/noise balloting is included in Attachment G.

3.3 Noise Barrier S Re-Evaluation

The location of Noise Barrier S was determined based on noise impacts provided in the May 2019 Detailed Noise Analysis Technical Report and as a result of the DB Team (2022) Final Design noise impacts. Noise Barrier S was analyzed to begin at station 215+73 and end at station 257+62 along the centerline of I-20. It would be located approximately 77 feet to 124 feet south of the centerline of I-20 and would be approximately 4,189 feet in length. The feasibility and reasonableness of constructing Noise Barrier S was re-evaluated as part of this noise addendum.

Noise Barrier S was analyzed for feasibility which resulted in 97 percent of the impacted receivers behind the barrier experiencing a reduction in sound levels of 5 dB(A) or greater. An engineering feasibility analysis was also completed by reviewing the following areas:

1. Topography – The noise barrier can be constructed without significant issues with existing or proposed grades
2. Safety – The noise barrier can be placed outside the clear zone where possible or protected by using guardrail or concrete side barrier
3. Drainage – Drainage along the barrier would need to be designed to allow for positive drainage and the noise barrier placement would need to avoid ditches, pipes, and culverts

4. Utilities – There are large overhead utilities in the vicinity of the noise barrier, crossing perpendicular to I-26. Notches in the noise barrier heights, to avoid radial intrusions, would need to be considered in the final, reasonable design.
5. Maintenance – The location of the noise barrier would be inside existing SCDOT ROW
6. Access – Access to the noise barrier would need to be from I-26, not via private residences adjacent to the interstate
7. The exposed height of the noise abatement did not exceed 25 feet based on constructability constraints for this feasibility analysis

Therefore, according to the SCDOT Noise Policy, Noise Barrier S is feasible to construct.

The reasonableness analysis for Noise Barrier S included noise barrier panels that were 18 to 25 feet tall to achieve the largest number of benefited receptors and maximize the benefit at each receptor. The reasonableness analysis resulted in 88 percent of the benefited first and second row receivers achieving an 8 dB(A) reduction, which is above SCDOT policy of more than 80 percent of the benefited front row receivers achieving an 8 dB(A) reduction. The estimated construction cost for Noise Barrier S is \$3,494,470 and the benefit achieved by constructing Noise Barrier S is \$10,954 per benefited receiver, which is below SCDOT policy of \$30,000 per benefited receiver. Therefore, Noise Barrier S meets SCDOT’s policy and is reasonable to construct.

The associated design changes for Noise Barrier S are listed in **Table 4**.

Table 4: Noise Barrier S Design Changes

Report	Length (Ft.)	Wall Height Range (Min Ft. - Max Ft.)	No. of Impacted Receptors	No. of Benefited Receptors	% Impacted Receptors Achieving 5 dBA Reduction	% Impacted Receptors Achieving 8 dBA Reduction	Estimated Cost per Benefited Receptor (\$)	Estimated Construction Cost (\$)
May 2019 FEIS	4,380	25	159	344	96	88	11,141	3,832,430
DB Team (2022) Final Design	4,189	18-25	174	319	97	88	10,954	3,494,470

Table 4 in Attachment A summarizes the results of the Noise Barrier S evaluation. Figure 1 in Attachment B illustrates the results of the Noise Barrier S evaluation. The TNM 2.5 files are located in Attachment C. The TNM 2.5 sound level outputs are included in Attachment D. The barrier height data is summarized in Attachment E. An updated SCDOT Feasibility and Reasonableness Worksheet for Noise Barrier S is in Attachment F. A summary of the SCDOT completed public outreach/noise balloting is included in Attachment G.

3.4 Noise Barrier T Re-Evaluation

The location of Noise Barrier T was determined based on noise impacts provided in the May 2019 Detailed Noise Analysis Technical Report and as a result of the DB Team (2022) Final Design noise impacts. Noise Barrier T was analyzed to begin at station 161+95 and end at station 198+06 along the centerline of I-20. It would be located approximately 150 feet to 370 feet south of the centerline of I-20 and would be approximately 3,660 feet in length. The feasibility and reasonableness of constructing Noise Barrier T was re-evaluated as part of this noise addendum.

Noise Barrier T was analyzed for feasibility which resulted in 96 percent of the impacted receivers behind the barrier experiencing a reduction in sound levels of 5 dB(A) or greater. An engineering feasibility analysis was also completed by reviewing the following areas:

1. Topography – The noise barrier can be constructed without significant issues with existing or proposed grades
2. Safety – The noise barrier can be placed outside the clear zone where possible or protected by using guardrail or concrete side barrier
3. Drainage – Drainage along the barrier would need be designed to allow for positive drainage and the noise barrier placement would need to avoid ditches, pipes, and culverts
4. Utilities – There are large overhead utilities in the vicinity of the noise barrier, crossing perpendicular to I-26. Notches in the noise barrier heights, to avoid radial intrusions, would need to be considered in the final, reasonable design.
5. Maintenance – The location of the noise barrier would be inside existing SCDOT ROW
6. Access – Access to the noise barrier would need to be from I-26, not via private residences adjacent to the interstate
7. The exposed height of the noise abatement did not exceed 25 feet based on constructability constraints for this feasibility analysis

Therefore, according to the SCDOT Noise Policy, Noise Barrier T is feasible to construct.

The reasonableness analysis for Noise Barrier T included noise barrier panels that were 25 feet tall to achieve the largest number of benefited receptors and maximize the benefit at each receptor. The reasonableness analysis resulted in 46 percent of the benefited first and second row receivers achieving an 8 dB(A) reduction, which is below SCDOT policy of more than 80 percent of the benefited front row receivers achieving an 8 dB(A) reduction. For this reason, Noise Barrier T does not meet SCDOT’s policy and is not reasonable to construct.

The associated design changes for Noise Barrier T are listed in **Table 5**.

Table 5: Noise Barrier T Design Changes

Report	Length (Ft.)	Wall Height Range (Min Ft. - Max Ft.)	No. of Impacted Receptors	No. of Benefited Receptors	% Impacted Receptors Achieving 5 dBA Reduction	% Impacted Receptors Achieving 8 dBA Reduction	Estimated Cost per Benefited Receptor (\$)	Estimated Construction Cost (\$)
May 2019 FEIS	3,660	25	20	39	100	46	N/A	N/A
DB Team (2022) Final Design	3,660	25	24	38	96	46	N/A	N/A

Table 5 in Attachment A summarizes the results of the Noise Barrier T evaluation. Figure 1 in Attachment B illustrates the results of the Noise Barrier T evaluation. The TNM 2.5 files are in Attachment C. The TNM 2.5 sound level outputs are included in Attachment D. The barrier height data is summarized in Attachment E. An updated SCDOT Feasibility and Reasonableness Worksheet for Noise Barrier T is in Attachment F.

3.5 Parallel Barrier Analysis

A parallel barrier analysis is recommended for all instances in which noise barriers are proposed on opposing sides of the roadway where the ratio of the distance between the noise barriers and the height of noise barrier panels is less than 10:1. Portions of proposed Noise Barrier R and S meet this criterion. The parallel barrier analysis was completed at 10 receivers across the entire length of the proposed noise barriers. The individual estimated increase behind each barrier is shown in Table 6.

Table 6: Parallel Barrier Analysis Locations

Barrier ID	Receiver Analysis	
	Receiver #	Projected Sound Level Increase dB(A)
R	R37	0.0
	R74	2.0
	R73	1.9
	R89	0.0
	R56	0.0
S	S219	0.0
	S427	0.7
	S437	0.3
	S511	1.4
	S326	0.0

The parallel barrier analysis indicates that sound levels behind Barrier R may increase due to the sound reflecting between the parallel noise barrier panels. The increase in sound levels could be up to 2.0 dBA above the sound levels with the proposed barriers in place. Because the increase is less than 3.0 dBA this degradation is barely perceptible to the human ear¹, therefore no action is to be considered regarding absorptive treatment for either of these noise barriers. The TNM exports for this analysis are included in Attachment D.

4. WHAT ARE THE CONCLUSIONS?

This addendum documents the geometric alignment changes proposed by the DB Team as design has been finalized for the I-20 at US 176 (Broad River Road) interchange. Additionally, this addendum documents the analysis and resulting changes to the design of Noise Barriers Q, R, S, and T as a result of the DB Team (2022) Final Design.

The DB Team identified an alternate interchange configuration for the I-20 at US 176 (Broad River Road) interchange. Specifically, the proposed project would construct an offset DDI which has the potential to influence sound levels at NSAs Q, R, S and T. Therefore, Noise Barriers Q, R, S and T have been re-evaluated based on the DB Team (2022) Final Design. The feasibility and reasonableness of constructing each noise barrier was evaluated in this noise addendum.

Noise Barrier Q – Not Recommended for Construction

The feasibility analysis for Noise Barrier Q indicates that 100 percent of the impacted receivers behind the barrier will experience a reduction in sound levels of 5 dB(A) or greater and that no topology, safety, drainage, utility, maintenance, access, or height issues will make constructing the barrier not feasible. Therefore, according to SCDOT policy, Noise Barrier Q is feasible to construct. The reasonable analysis for Noise Barrier Q included 25-foot-tall noise barrier panels and resulted in 63 percent of the benefited front row receivers achieving an 8 dB(A) reduction, which is below SCDOT policy of more than 80 percent of the benefited front row receivers achieving an 8 dB(A) reduction. For this reason, Noise Barrier Q does not meet SCDOT’s policy and is not reasonable to construct. An updated SCDOT Feasibility and

¹ FHWA Highway Noise Barrier Design Handbook, Table 5, page 32.

Reasonableness Worksheet for Noise Barrier Q is in Attachment F. This noise addendum does not affect the outcome of the viewpoint summary that was completed in the FEIS/ROD.

Noise Barrier R – Recommended for Construction

The feasibility analysis for Noise Barrier R indicates that 100 percent of the impacted receivers behind the barrier will experience a reduction in sound levels of 5 dB(A) or greater and that no topology, safety, drainage, utility, maintenance, access, or height issues will make constructing the barrier not feasible. Therefore, according to SCDOT policy, Noise Barrier R is feasible to construct. The reasonable analysis for Noise Barrier R included 8 to 21-foot-tall noise barrier panels and resulted in 81 percent of the benefited front row receivers achieving an 8 dB(A) reduction, which is above SCDOT policy of more than 80 percent of the benefited front row receivers achieving an 8 dB(A) reduction. For this reason, Noise Barrier R meets SCDOT's policy and is reasonable to construct. An updated SCDOT Feasibility and Reasonableness Worksheet for Noise Barrier R is in Attachment F. This noise addendum does not affect the outcome of the viewpoint summary that was completed in the FONSI.

Noise Barrier S – Recommended for Construction

The feasibility analysis for Noise Barrier S indicates that 97 percent of the impacted receivers behind the barrier will experience a reduction in sound levels of 5 dB(A) or greater and that no topology, safety, drainage, utility, maintenance, access, or height issues will make constructing the barrier not feasible. Therefore, according to SCDOT policy, Noise Barrier S is feasible to construct. The reasonable analysis for Noise Barrier S included 18 to 25-foot-tall noise barrier panels and resulted in 88 percent of the benefited front row receivers achieving an 8 dB(A) reduction, which is above SCDOT policy of more than 80 percent of the benefited front row receivers achieving an 8 dB(A) reduction. For this reason, Noise Barrier S meets SCDOT's policy and is reasonable to construct. An updated SCDOT Feasibility and Reasonableness Worksheet for Noise Barrier S is in Attachment F. This noise addendum does not affect the outcome of the viewpoint summary that was completed in the FONSI.

Noise Barrier T – Not Recommended for Construction

The feasibility analysis for Noise Barrier T indicates 96 percent of the impacted receivers behind the barrier will experience a reduction in sound levels of 5 dB(A) or greater and that no topology, safety, drainage, utility, maintenance, access, or height issues will make constructing the barrier not feasible. Therefore, according to SCDOT policy, Noise Barrier T is feasible to construct. The reasonable analysis for Noise Barrier T included 25-foot-tall noise barrier panels and resulted in 46 percent of the benefited front row receivers achieving an 8 dB(A) reduction, which is below SCOT policy of more than 80 percent of the benefited front row receivers achieving an 8 dB(A) reduction. For this reason, Noise Barrier T does not meet SCDOT's policy and is not reasonable to construct. An updated SCDOT Feasibility and Reasonableness Worksheet for Noise Barrier T is in Attachment F. This noise addendum does not affect the outcome of the viewpoint summary that was completed in the FEIS/ROD.