

PERMIT NO. HW-049(D)

ISSUANCE DATE:



ENVIRONMENTAL PROTECTION DIVISION

HAZARDOUS WASTE FACILITY PERMIT

In accordance with the provisions of the Georgia Hazardous Waste Management Act and the Rules, Chapter 391-3-11, (as amended through March 26, 2021), adopted pursuant to that Act,

CSX Transportation, Inc.

I.D. No. GAD991275900

is issued a Permit for the following:

Post-closure care and corrective action for two closed hazardous waste management units/solid waste management units.

at the following location:

**1100 Hamilton Avenue
Waycross, Ware County, GA 31503**

This Permit is conditioned upon compliance with all provisions of the Georgia Hazardous Waste Management Act, the Rules, Chapter 391-3-11 (as amended through March 26, 2021), adopted pursuant to that Act, and any other condition of this Permit.

This Permit is subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in the application(s) dated **December 2020 Revision 1**, supporting data entered therein or attached thereto, or any subsequent submittals or supporting data; or for failure to disclose fully all relevant facts; or when the facility poses a threat to the environment or the health of humans.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **20** pages, which pages are a part of this Permit. This Permit expires ten years from the Issuance Date above.



DRAFT

Richard E. Dunn, Director
Environmental Protection Division

I. GENERAL PERMIT CONDITIONS

I.A. Scope and Effect of Permit

- I.A.1. The Permittee is allowed to treat, store, and dispose of hazardous waste only in accordance with the conditions of this permit. Any hazardous waste treatment, storage or disposal not authorized in this permit is prohibited. The Permittee must comply with the Georgia Hazardous Waste Management Act and the Rules for Hazardous Waste Management, Chapter 391-3-11, which Rules include certain portions of the Federal Hazardous Waste Regulations (found at 40 CFR 260-268, 270, 273, 279 and 124). Where a citation to the Federal Regulations is made in this permit, it refers to the specific regulations adopted by EPD.
- I.A.2. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.
- I.A.3. Compliance with this permit does not constitute a defense to any action brought by the Director under Section 18, Emergency Powers, of the Georgia Hazardous Waste Management Act, O.C.G.A. § 12-8-75, as amended.
- I.A.4. Nothing in this permit shall be construed to preclude the institution of any legal action under § 3008 of the Federal Resource Conservation and Recovery Act (RCRA) or under the Georgia Hazardous Waste Management Act, O.C.G.A. §§ 12-8-81 - 12-8-82, as amended.
- I.A.5. This permit may be modified, revoked and reissued, or terminated for cause as specified in Rule 391-3-11-.11(7) and 40 CFR 270.41, 270.42, 270.43, 270.50(d) and 270.51(a). The filing of a request for a permit modification, revocation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability of any permit condition.
- I.A.6. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

I.B. Management Requirements

- I.B.1. The Permittee shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility or of any planned changes in the process generating the hazardous waste, which changes might affect the performance of the permitted facility with respect to any regulated activities.
- I.B.2. The Permittee shall maintain at the facility, the following documents and amendments, revisions and modifications to these documents:
- a. Complete copy of this permit and permit application;
 - b. Post-closure care plans;
 - c. Operating record as required by 40 CFR 264.73;
 - d. Inspection logs;
 - e. Corrective action plan(s);
 - f. Groundwater sampling and analysis plan;
 - g. Cost estimate for facility closure, corrective action and post-closure care; and
 - h. Financial assurance instrument for closure, corrective action and post-closure care
- I.B.3. All amendments, revisions and modifications to any plan or cost estimate required by this permit shall be submitted to the Director for approval and permit modification as necessary.

- I.B.4. When the Permittee becomes aware that the Permittee failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such corrected facts or information.
- I.B.5. The Permittee shall at all times properly operate and maintain all facilities which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit.
- I.B.6. The Permittee may not commence treatment, storage or disposal of hazardous waste at any new or modified portion of the facility or corrective action for contaminated groundwater or soil until the Permittee has submitted to the Director by certified mail, or hand delivery, a letter signed by the Permittee and an independent registered professional engineer or, when appropriate, registered professional geologist, stating that the facility has been constructed or modified in compliance with the permit where appropriate; and the Director has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or the Director has either waived the inspection or has not within fifteen (15) days notified the Permittee of his or her intent to inspect.

I.C. Monitoring and Reporting

- I.C.1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of 40 CFR Part 261. Laboratory methods must be those specified in the most recent editions of Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW 846; or Standard Methods for the Examination of Water and Wastewater; (or an equivalent method as specified in the Waste Analysis Plan). Sampling and analyses of soil, sediment, surface water, and groundwater samples shall be conducted in accordance with methods and procedures acceptable to the Director.
- I.C.2. The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports and records required by this permit, the certification required by Condition I.G.1. and 40 CFR 264.73(b)(9), and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample, measurement, report, record, or application, or until corrective action is completed, whichever date is later. These periods are automatically extended during the course of any unresolved enforcement action regarding this facility and also may be extended at any time at the Director's discretion.
- I.C.3. The Permittee shall maintain records for all groundwater monitoring wells noted in the permit and associated groundwater surface elevations, including groundwater flow rate and direction, throughout the post-closure period.
- I.C.4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or methods used; the method of sample preservation; and quality assurance methods; and
 - f. The results of such analyses and measurements in tabular and/or graphic format.

- I.C.5. The Permittee shall report to the Director or his representative orally within one (1) hour from the time the Permittee becomes aware of any circumstances resulting from the operation of the hazardous waste management facility (including periods of noncompliance) which may endanger human health or the environment, including but not limited to:
- a. Release of any hazardous waste(s), hazardous waste constituent(s), or hazardous constituent(s) that may cause an endangerment to public drinking water supplies; and
 - b. Release or discharge of hazardous waste(s), hazardous waste constituent(s), or hazardous constituent(s) or a fire or explosion, which could threaten human health or the environment outside the facility.

The description of the occurrence shall include:

- i Name, address and telephone number of the owner or operator;
 - ii Name, address and telephone number of facility;
 - iii Date, time and type of incident;
 - iv Name and quantity of materials involved;
 - v The extent of injuries, if any;
 - vi An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and
 - vii Estimated quantity and disposition of recovered material that resulted from the incident.
- I.C.6. Within fifteen (15) days of becoming aware of any reportable incident as in Condition I.C.5. above which may endanger human health or the environment, the Permittee shall submit a written report of the incident covering the following:
- a. Description of occurrence as in Condition I.C.5. above;
 - b. Cause of occurrence;
 - c. Period of occurrence, including exact dates and times;
 - d. Time occurrence expected to continue (if not already corrected); and
 - e. Steps taken or planned to reduce, eliminate, and prevent recurrence.
- I.C.7. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than fourteen (14) days following each schedule date.
- I.C.8. The Permittee shall report instances of non-compliance, other than those described in Conditions I.C.5. and I.C.7., semi-annually on July 15 (covering January 1 - June 30) and January 15 (covering July 1 - December 31). The report shall cover the information requested in Condition I.C.5. for each incident.
- I.C.9. All reports or other information requested by the Director shall be signed and certified according to the requirements in 40 CFR 270.11.
- I.C.10. All geologic and engineering reports required by this permit shall be signed and sealed by the appropriate Georgia registered professional as defined by State law. Additionally, the following certification statement shall accompany reports containing ground water data or interpretation:

I certify that I am a qualified ground-water scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in ground-water hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding ground-water monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction.

- I.C.11. The Permittee shall immediately notify the Division through the Department of Natural Resources Emergency Operations Center of any spill or release of oil or a hazardous substance as soon as the Permittee knows of the spill or release, as required by O.C.G.A. § 12-14-3.

I.D. Responsibilities

- I.D.1. Right of Entry. The Permittee shall allow the Director of EPD, the Regional Administrator of EPA, and/or their authorized representatives, agents, or employees, upon the presentation of credentials and other documents as may be required by law to:
- a. Enter at reasonable times upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
 - d. Sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Georgia Hazardous Waste Management Act, any substances or parameters at any location.
- I.D.2. Transfer of Permits. This permit is not transferable to any person(s) except after notice to the Director. This permit may be transferred to a new owner or operator only if it is modified or revoked and reissued pursuant to 40 CFR 270.40(b) or 270.41(b)(2). Before transferring ownership or operation of the facility during its operating life or during its post-closure period, the Permittee shall notify the new owner or operator in writing of the requirements of 40 CFR Parts 264 and 270.
- I.D.3. Duty to Comply. The Permittee shall comply with all conditions of this permit, except to the extent and for the duration such non-compliance is authorized by an emergency permit. Any non-compliance with this permit constitutes a violation of the Georgia Hazardous Waste Management Act and is grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.
- I.D.4. Duty to Reapply. If the Permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the Permittee must submit a complete application for a new permit at least 180 days before this permit expires. Pursuant to 40 CFR 270.51, this permit and all conditions herein will remain in effect beyond the permit's expiration date if the Permittee has submitted a timely and complete application for a new permit and, through no fault of the Permittee, the Director has not issued a new permit on or before the expiration date of this permit.
- I.D.5. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- I.D.6. Duty to Mitigate. The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment or human health resulting from non-compliance with this permit.
- I.D.7. Duty to Provide Information. The Permittee shall furnish to the Director, within a reasonable time, any relevant information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with the permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

I.D.8. Anticipated Non-Compliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in non-compliance with permit requirements.

I.D.9. Reporting Planned Changes. The Permittee shall give notice to the Director of any planned physical alterations or additions which impact any SWMUs, AOCs or the areas contaminated by them, including voluntary corrective measures.

I.E. Definitions

For purposes of this permit, terms used herein shall have the same meaning as those in 40 CFR Parts 124, 260 through 268, 270 and 279, unless this permit specifically provides otherwise. Where terms are not defined in the regulations or the permit, the meaning associated with such terms shall be defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term.

1. *Area of Concern (AOC)* for the purposes of this permit includes any area having a probable release of a hazardous waste(s) or hazardous waste constituent(s) or hazardous constituent(s) which is not from a solid waste management unit and is determined by the Director to pose a current or potential threat to human health or the environment. Such areas of concern may require investigations and remedial action as required under the Georgia Hazardous Waste Management Act, §12-8-60, *et seq.* and 40 CFR 270.32(b)(2) in order to ensure adequate protection of human health and the environment.
2. *Contamination* for the purposes of this permit refers to the presence of any hazardous waste(s) or hazardous waste constituent(s) or hazardous constituent(s) in a concentration which exceeds the naturally occurring concentration of that waste or constituent(s) in the immediate vicinity of the facility (in areas not affected by the facility).
3. *Corrective Action* for prior or continuing releases from solid waste management units, as well as for other releases as described in Condition I.E.13., shall, for the purposes of this permit, be as specified in 40 CFR 264.101, and may include "corrective action" as provided for in 40 CFR 264.100 and other remedial actions for any environmental media as deemed appropriate by the Director to protect human health or the environment. The terms "releases" and "other releases", when used in reference to corrective action requirements of this permit, shall not include releases that the Permittee can demonstrate have been fully remediated within 30 days of discovery.
4. *Corrective Action Management Unit (CAMU)* for the purposes of this permit, includes any area within a facility that is designated by the Director under 40 CFR 264 Subpart S, for the purpose of implementing corrective action under 40 CFR 264.101. A CAMU shall only be used for the management of remediation waste pursuant to implementing such corrective action requirements at the facility.
5. *Director* shall mean the director of the EPD or his/her delegated representative.
6. *EPA* shall mean the United States Environmental Protection Agency and any successor departments or agencies of the United States.
7. *EPD* shall mean the Georgia Environmental Protection Division of the Department of Natural Resources and any successor departments or agencies of the State of Georgia.
8. *Extent of Contamination* for the purposes of this permit is defined as the horizontal and vertical area in which the concentrations of hazardous waste(s), hazardous waste constituent(s) or hazardous constituent(s) in the environmental media being investigated are above estimated quantitation limits, as defined in the most recent version of SW-846, naturally occurring concentrations representative of the facility or other appropriate delineation approved by the Director.

9. *Hazardous constituents* for the purpose of this permit are those substances collectively listed in 40 CFR Part 261 Appendix VIII, and Part 264, Appendix IX, as revised or superseded.
10. *Interim Measures* for purposes of this permit are actions necessary to contain, remove or treat contamination resulting from a release from a SWMU or AOC to prevent further contaminant migration that poses an imminent danger to health or the environment or to mitigate a condition that will likely deteriorate if not acted upon immediately, and are actions which may be consistent with the likely long-term remedy and undertaken while long-term corrective action remedies are evaluated and, if necessary, implemented.
11. *Land disposal facility* for the purposes of this permit is a facility, and all contiguous property under the control of the owner or operator, that uses a surface impoundment, landfill, land treatment unit, waste pile, or miscellaneous unit to manage or dispose of hazardous waste pursuant to §12-8-66 of the Georgia Hazardous Waste Management Act, as amended, and § 3004 of RCRA, as amended.
12. *Qualified Groundwater Scientist* for the purposes of this permit means a scientist or engineer who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and has sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration, professional certifications, or completion of accredited university courses, that enable that individual to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport.
13. *Release* for the purposes of this permit includes any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment of any hazardous waste(s), hazardous waste constituent(s) or hazardous constituent(s).
14. *Remediation Waste* for the purposes of this permit includes all solid and hazardous wastes, and all media (including groundwater, surface water, soils, and sediment) and debris, which contain listed hazardous waste(s) or which themselves exhibit a hazardous waste characteristic, that are managed for the purpose of implementing corrective action requirements under 40 CFR 264.101 and RCRA § 3008(h). For a given facility, remediation wastes may originate only from within the facility boundary, but may include waste managed in implementing RCRA §§ 3004(v) or 3008(h) for releases beyond the facility boundary.
15. *Solid Waste Management Unit* (or SWMU) for the purposes of this permit includes, but is not limited to, any landfill, surface impoundment, waste pile, land treatment unit, incinerator, injection well, tank (including storage, treatment, and accumulation tanks), container storage unit, wastewater treatment unit, including all conveyances and appurtenances used in waste management or storm water handling, elementary neutralization unit, transfer station, or recycling unit from which hazardous waste(s), hazardous waste constituent(s) or hazardous constituent(s) might migrate, irrespective of whether the units were intended for the management of solid and/or hazardous waste(s).
16. *Temporary Unit(s)* for the purposes of this permit includes any temporary tanks and/or container storage areas used solely for treatment of hazardous remediation waste during remediation activities required under 40 CFR 264.101. Designated by the Director, such units must conform to specific standards, and may only be in operation for a period of time as specified in this permit.

I.F. Conditions Related to Compliance with General Facility Standards
(40 CFR Part 264 Subparts B, C, D, E, G, H)

- I.F.1. The Permittee must follow the procedures and plans described in detail in the permit application dated December 2020 Revision 1, as amended, which are hereby incorporated by reference and include at least the following:
 - a. Closure and Post-Closure Plans, Appendix C of the permit application

- I.F.2. The following activities must be carried out as prescribed in 40 CFR Part 264 Subparts B, C, D and E, and in accordance with the appropriate sections of the permit application:
- a. Security - 40 CFR 264.14(b) and (c);
 - b. Inspections and Repairs - 40 CFR 264.15;
 - c. Personnel training - 40 CFR 264.16;
 - d. Operating record - 40 CFR 264.73;
 - e. Disposition of records - 40 CFR 264.74; and
 - f. Reports - 40 CFR 264.73, 264.74, 264.75 and 264.77.
- I.F.3. The following activities must be carried out as prescribed in 40 CFR Part 264 Subpart G and H, in accordance with the appropriate sections of the permit application, and Rule 391-3-11-.10:
- a. Post-closure care and use of property - 40 CFR 264.117;
 - b. Post-closure care plan, amendment of plan - 40 CFR 264.118;
 - c. Post-closure notices - 40 CFR 264.119;
 - d. Certification of completion of post-closure care - 40 CFR 264.120; and
 - e. Financial Assurance for Post-Closure. Continuous compliance with 40 CFR 264.145 and 264.147 must be maintained by the Permittee for the amount of the cost estimate for post-closure as required by 40 CFR 264.144 until released by the Director as provided in 40 CFR 264.145(i).
- I.F.4. Permittee must comply with 40 CFR 264.148 whenever necessary.

I.G. Special Conditions Applicable to Entire Facility

I.G.1. Annual Certification of Program to Reduce the Volume and Toxicity of Hazardous Wastes

The Permittee shall be required to certify no less often than annually that the Permittee has a program in place to reduce the volume and toxicity of hazardous wastes that he generates to the degree determined by the Permittee to be economically practicable, and the proposed method of treatment, storage or disposal is that practicable method currently available to the Permittee which minimizes the present and future threat to human health and the environment in accordance with 40 CFR 264.73(b)(9).

II. POST-CLOSURE CARE FOR LANDFILLS

II.A. Unit Identification

The Permittee shall provide post-closure care for two (2) landfills closed with wastes in-place (maximum of 12,777 cubic yards) at the sites identified as the Old Drum Storage Area (ODSA) and the Alum Storage Basin (ASB), as shown on Figure 1-3 of the permit application.

- II.A.1. The Permittee must maintain permanent and readily identifiable benchmarks showing the boundaries of the regulated units as established by in the closure certification for each unit. Such benchmarks must be initially placed by a registered surveyor.

II.B. Waste Identification:

The Permittee has disposed of hazardous wastes F001 and U051 in the units as described in the Part A permit application dated April 25, 1997. The units are closed with wastes, waste residues, contaminated soil and contaminated groundwater remaining in-place.

II.C. Monitoring and Inspection:

- II.C.1. The Permittee shall follow the inspection schedule as described in Sections 1.7.2, 3.3, and 4.5 of the permit application and as required by 40 CFR 264.15(a).

II.C.2. The Permittee shall inspect the landfills monthly and within 72-hours after significant storm events to detect any evidence of deterioration or improper operation as described in Section 3.3.3 of the permit application and as required by 40 CFR 264.15 and 40 CFR 264.310.

II.D. Post-closure Care:

II.D.1. The Permittee shall perform post-closure care for the landfills in accordance with the post-closure plans of the permit application as required by 40 CFR 264.117 through 264.120 and 264.310

II.D.2. The facility's post-closure care period will continue until an adequate site specific demonstration can be made that the contamination no longer poses a threat to human health and the environment, pursuant to 40 CFR 264.117(a)(2)(ii).

III. **GROUNDWATER MONITORING AND CORRECTIVE ACTION**

III.A. Well Location and Construction

The Permittee shall install and/or maintain a groundwater monitoring system to comply with the requirements of 40 CFR 264.95, 264.97 and 264.100 as specified below:

III.A.1. The Permittee shall maintain the following groundwater monitoring wells, as well as groundwater withdrawal wells referenced in Condition III.D. and as shown on Figure 1-3 of the permit application:

a. Old Drum Storage Area (ODSA)

MW-11	MW-12	MW-13	MW-32	MW-34
MW-35	MW-36	MW-47	MW-71	MW-72
MW-73	MW-74	MW-75	MW-76	MW-77
MW-3	MW-133			

b. Alum Sludge Basin (ASB)

MW-9 (2-12)	MW-9 (17-27)	MW-14	MW-15	MW-16
MW-17	MW-28	MW-29 (2-12)	MW-29 (18-28)	MW-30
MW-46	MW-48	MW-79	MW-80	MW-81 (2-12)
MW-81 (13-23)	MW-82	MW-83	MW-85	MW-86
MW-87 (2-12)	MW-87 (13-23)	MW-26	MW-113	

III.A.2. The following groundwater monitoring wells shall define the point of compliance for the closed units:

a. Old Drum Storage Area (ODSA)

MW-11	MW-12	MW-13
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b. Alum Sludge Basin (ASB)

MW-14	MW-15	MW-16
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III.A.3. The Permittee shall maintain specific background for the HWMU/SWMU at the location specified on Figure 1-3 of and Table 3-4 of the permit application.

a. MW-32 will be designated as ODSA background well and sampled once every two years.

b. MW-113 will be designated as ASB background well and sampled once every two years.

III.A.4. The Permittee shall install and maintain additional groundwater monitoring wells as necessary, or as specified by the Director, to assess changes in the rate and extent of any plume of contamination, to assess the effectiveness of corrective action, or as otherwise deemed necessary to maintain compliance

with 40 CFR 264.95, 40 CFR 264.97 and 40 CFR 264.100. A plan specifying the design, location and installation of any additional monitoring wells shall be submitted ninety (90) days prior to installation which, at a minimum, shall include:

- a. Well construction techniques including casing depth, screen length and placement, and proposed total depth of well(s);
- b. Well development method(s);
- c. A description of well construction materials;
- d. A schedule of implementation for construction; and
- e. Provisions for determining the hydraulic conductivity, lithologic character and grain size distribution for the applicable aquifer unit(s) at the location of the new well(s).

III.B. Groundwater Protection Standard

III.B.1. The groundwater protection standard as required under 40 CFR 264.92 shall consist of Table I for the Old Drum Storage Area and Table II for the Alum Sludge Basin, which list the hazardous constituent(s) and their respective concentration limits as required under 40 CFR 264.93 and 264.94, respectively.

III.B.2. The groundwater protection standard applies to all hazardous waste(s), hazardous waste constituent(s) or hazardous constituent(s) releases as deemed appropriate by the Director to protect human health and the environment.

III.C. Compliance Period

III.C.1. The compliance period shall be defined as continuing until the groundwater protection standard has not been exceeded for a period of three (3) consecutive years and corrective action as required under 40 CFR 264.100 has been terminated, as specified in Condition III.I.2. and as required by 40 CFR 264.96(c). The compliance period shall begin with the effective date of the permit.

III.D. Corrective Action Program

The Permittee shall continue implementation of the corrective action program, as required under 40 CFR 264.100, and as described in Sections 3.1.3 and 3.2.3 of the permit application, for the Old Drum Storage Area (ODSA) and Alum Sludge Basin (ASB), respectively, for those hazardous constituent(s) that exceed the groundwater protection standard in Table I and II pursuant to the following:

III.D.1. The Permittee shall operate the ASB recovery well, HWW-2, within the pumping range specified in Section 3.2.3 of the permit application; changes to the pumping rate range, screened interval, location and design of this well will require a permit modification pursuant to Condition III.I.

III.D.2. The Permittee shall operate the ODSA recovery well, HWW-4, within the pumping range specified in the Section 3.1.3 of the permit application; changes to the pumping rate range, screened interval, location and design of this well will require a permit modification pursuant to Condition III.I.

III.D.3. The Permittee shall conduct a corrective action program to remove or treat in place any hazardous constituent(s) in the groundwater protection standard (Condition III.B.) that exceed concentration limits in Table I or II in groundwater between the point of compliance and the downgradient facility property boundary as required under 40 CFR 264.100(e)(1), and beyond the facility boundary as required under 40 CFR 264.100(e)(2), unless the Permittee can demonstrate to the satisfaction of the Director that:

- a. Despite the Permittee's best efforts, the Permittee was unable to obtain the necessary permission to undertake such action; or

b. Such action is not necessary to protect human health or the environment.

III.D.4. The Permittee shall treat, store, and dispose of all contaminated groundwater in accordance with all applicable federal, state and local laws.

III.D.5. The Permittee shall ensure that the corrective action program will function as designed and planned in Sections 3.1.3 and 3.2.3 of the permit application and in accordance with any subsequent revisions, modifications or changes to that plan. Any measures taken to satisfy this Condition shall be reported in the semi-annual report required by Condition III.H.2.

III.D.6. The Permittee is not relieved of all responsibility to clean up a release that has migrated beyond the facility's property boundary, where off-site access is denied, as required under 40 CFR 264.100(e)(2).

III.D.7. The Permittee shall include a demonstration of financial responsibility for the corrective action program conforming to Condition I.F.3.

III.D.8. If the groundwater protection standards are met during the compliance period, the Permittee must continue corrective action to the extent necessary to ensure that the groundwater protection standard is not exceeded. Corrective action must continue until the groundwater protection standard has not been exceeded for three (3) consecutive years as required under 40 CFR 264.100(f).

III.E. Corrective Action Effectiveness Monitoring Program

The Permittee shall establish and implement a groundwater monitoring program to demonstrate the effectiveness of the corrective action program required under 40 CFR 264.100 (and 40 CFR 264.101 as related to other releases of hazardous waste(s), hazardous waste constituent(s) or hazardous constituent(s) from a solid waste management unit). Groundwater monitoring shall be conducted in conformance with the requirements of 40 CFR 264.100(d) and as specified below:

III.E.1. The Permittee shall collect, preserve and analyze all groundwater samples as required by Condition I.C.1.

III.E.2. Beginning September 2021, or no later than six (6) months from the effective date of this permit, the Permittee shall collect samples biennially from MW-32 for OSDA and MW-113 for ASB, the background monitoring well for the facility pursuant to Condition III.A.3. These samples shall be analyzed for all constituent(s) in Tables I and II respectively.

III.E.3. Beginning September 2021, or no later than six (6) months from the effective date of this permit, the sampling frequency specified in Table 1 of the permit and continuing through the compliance period specified by Condition III.C., the Permittee shall collect samples from the following Old Drum Storage Area (ODSA) monitoring wells as follows:

Annual Groundwater Quality Monitor Wells:

MW-12	MW-13	MW-34	MW-35
MW-36	MW-72	MW-73	MW-74
MW-76	MW-133		

Biennial Groundwater Quality Monitor Well: MW-32

Semi-Annual Groundwater Elevation Monitoring Wells:

MW-11	MW-12	MW-13	MW-32
MW-34	MW-35	MW-36	MW-47
MW-71	MW-72	MW-73	MW-74

MW-75 MW-76 MW-77 MW-133

for the purpose of demonstrating the effectiveness of the corrective action program required by Condition III.D.

a. Monitoring wells MW-12 and MW-34 shall be analyzed for the following constituent(s)

Acenaphthene	Acenaphthylene
Fluoranthene	Fluorene
2-methylnaphthalene	Naphthalene
Phenanthrene	Pyrene
	Dibenzofuran

III.E.4. Beginning approximately six (6) months after collecting the samples specified by Condition III.E.3., and continuing the sampling frequency specified in Table II of the permit through the compliance period specified by Condition III.C., the Permittee shall collect samples from the following Alum Sludge Basin (ASB) monitoring wells:

Annual Groundwater Quality Monitor Wells:

MW-14	MW-15	MW-16	MW-17
MW-28	MW-79	MW-29 (18-28)	MW-46
MW-48			

Biennial Groundwater Quality Monitoring Well: MW-113

Semi-Annual Groundwater Elevation Monitoring Wells:

MW-14	MW-15	MW-16	MW-17
MW-26	MW-28	MW-29 (18-28)	MW-30
	MW-46	MW-48	MW-79

for the purpose of demonstrating the effectiveness of the corrective action program required by Condition III.D. These monitoring wells shall be analyzed for all parameters listed in Table II.

III.E.5. Pursuant to 40 CFR 264.97(f), the groundwater monitoring program must include a determination of the groundwater surface elevation in each well each time groundwater is sampled. Total depth of each well must be measured annually. Permittee shall also make an annual determination of groundwater flow rate and direction in all aquifers.

III.E.6. Compliance with the groundwater protection standard, as defined under Condition III.B., will be based upon groundwater monitoring data obtained under Condition III.E. that all constituent(s) listed in Tables I and II no longer exceed the groundwater protection standard at the point of compliance and throughout the contaminant plume. Comparisons for the purpose of determining compliance shall be made utilizing the statistical procedure described in 40 CFR 264.97(h) and (i) and Section 7.9 of the permit application.

III.E.7. Pursuant to 40 CFR 264.100(d) the Permittee shall analyze samples from at least one of each of the compliance point wells identified in Conditions III.A.2.a., and at least one of the compliance point wells identified in Conditions III.A.2.b., plus any additional wells specified by the Director, for all constituent(s) in Appendix IX of 40 CFR Part 264 at least annually to determine whether additional hazardous constituent(s) are present in the uppermost aquifer and, if so, at what concentrations. The Appendix IX sampling will be rotated annually among the compliance point wells for each unit so that each well is sampled at least every three years. The Appendix IX results must be submitted within 120 days of the sampling. If the Permittee finds Appendix IX constituent(s) in the groundwater that are not

identified in Table I and/or II, then the Permittee may resample within one (1) month of receiving the results of the initial analysis, repeating the analysis. If the second analysis confirms the presence of new hazardous constituent(s), then the Permittee must report those additional concentrations to the Director within seven (7) days of receiving the results of the second analysis, and request that these additional hazardous constituent(s) be added to Table I and/or II. If the Permittee chooses not to resample, then the Permittee must report those additional concentrations to the Director within seven (7) days after receiving the results of the initial analysis and request that these hazardous constituent(s) be added to Table I and/or II.

III.E.8. Beginning no later than six (6) months from the effective date of this permit and continuing semi-annually through the compliance period specified in Condition III.C., the Permittee shall collect surface water samples from the following locations in the Waycross Canal as depicted on Figure 1-3 of the permit application.

a. For the Old Drum Storage Area (ODSA): W-28

The surface water samples shall be analyzed for the following constituent(s):

Trichloroethylene	trans-1,2-Dichloroethylene
cis-1,2-Dichloroethylene	Vinyl Chloride
Methylene Chloride	Acenaphthene
Tetrachloroethylene	Fluoranthene
Fluorene	Acenaphthylene
2-Methylnaphthalene	Pyrene
Naphthalene	Dibenzofuran
1,1-Dichloroethylene	Phenanthrene

b. For the Alum Sludge Basin (ASB): CW-1 and CW-2

The surface water samples shall be analyzed for the following constituent(s):

Trichloroethylene	1,1-Dichloroethylene
cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene
Methylene Chloride	Vinyl Chloride
Chlorobenzene	Tetrachloroethylene
1,1-Dichloroethane	1,2-Dichlorobenzene

III.F. Determination of Background Concentrations

III.F.1. For those constituent(s) specified in Tables I and II for which background concentrations are applicable, the Permittee shall establish background concentrations in accordance with 40 CFR 264.97(g) and the procedure established in Sections 3.1.4.1 and 3.2.4.1 of the permit application for the Old Drum Storage Area and Alum Sludge Basin.

III.F.2. Upon establishment, the background concentrations shall automatically be incorporated into Tables I and II.

III.G. Sampling and Analysis Procedures

The Permittee shall use the following techniques and procedures when obtaining and analyzing samples from the groundwater monitoring wells and surface water to provide a reliable indication of the quality of the groundwater as required under 40 CFR 264.97(d) and (e):

III.G.1. Groundwater and surface water sampling must be performed in accordance with the EPA's Region IV Laboratory Services and Applied Science Division (LSASD) Procedures found in its Field Branches Quality System and Technical Procedures. This includes sampling of groundwater and management of

samples prior to analysis, pump operation, groundwater level and well depth measurement, and field measurement procedures.

III.G.2. Samples shall be analyzed in accordance with Condition I.C.1. and Section 7 of the permit application.

III.G.3. Samples shall be tracked and controlled using the chain of custody procedures specified in Section 7.6 of the permit application.

III.H. Reporting, Recordkeeping and Response

III.H.1. The Permittee shall enter all monitoring, testing and analytical data obtained pursuant to Conditions III.E. and III.G. in the operating record, as required by 40 CFR 264.73(b)(6).

III.H.2. The Permittee shall submit a report to the Director on the effectiveness of the corrective action program semi-annually, including all monitoring, testing and analytical data obtained under Conditions III. and IV.

III.I. Permit Modification

III.I.1. If at any time the Permittee determines that the corrective action program no longer satisfies the requirements of 40 CFR 264.100 or Condition III.D. for releases of a hazardous waste(s), hazardous waste constituent(s) or hazardous constituent(s) originating from the regulated unit(s), he must within ninety (90) days, submit an application for a permit modification to make any appropriate changes in the program.

III.I.2. If the Permittee meets or exceeds the requirements of 40 CFR 264.100 and meets the groundwater protection standard at the point of compliance and throughout the contaminant plume for three (3) consecutive years, the Permittee may submit an application for a permit modification pursuant to 40 CFR 270.41 and 270.42 to terminate corrective action and establish an alternate groundwater monitoring program.

III.J. Duty of Permittee

III.J.1. The Permittee shall assure that groundwater monitoring and corrective action measures necessary to achieve compliance with 40 CFR 264.100 and the groundwater protection standard are taken during the compliance period.

IV. SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN

IV.A. Applicability

IV.A.1. The requirements of this Section apply to the determination of the need for and subsequent implementation of corrective action for releases from all solid waste management units (SWMUs) and areas of concern (AOCs) contained within the facility property boundary as required by 40 CFR 264.101(a) and, as required by 40 CFR 264.101(c) and §12-8-66 of the Georgia Hazardous Waste Management Act, those extending beyond the facility property boundary. The requirements of this Section apply specifically to the following SWMUs and AOCs:

- a. The SWMUs and AOCs identified in Appendix A.1 which require further investigation;
- b. The SWMUs and AOCs identified in Appendix A.2 which require no further investigation at this time;

- c. The SWMUs identified in Appendix A.3 which are regulated units as defined by 40 CFR 264.90(a)(2);
- d. The SWMUs and AOCs identified in Appendix A.4 which require a verification investigation;
- e. The SWMUs and AOCs identified in Appendix A.5 which require corrective action; and
- f. Any additional SWMUs or AOCs discovered after the date of issuance of this permit due to groundwater monitoring, on-going field investigations, environmental audits, and other means.

IV.B. Notification and Assessment Requirements For Newly Identified SWMUs and AOCs

- IV.B.1. Within fifteen (15) days of the Permittee's discovery of any SWMU's or AOC's under Condition IV.A.1.f., the Permittee shall notify the Director in writing of such discovery.
- IV.B.2. The Director shall notify the Permittee in writing of the discovery of any SWMUs or AOCs under Condition IV.A.1.f.
- IV.B.3. Within sixty (60) days of the Permittee's discovery pursuant to Condition IV.B.1. or within sixty (60) days of receipt of the Director's notification under Condition IV.B.2., the Permittee shall submit to the Director the following information for each SWMU or AOC:
 - a. Location on a topographic map of appropriate scale as required under 40 CFR 270.14(b)(19);
 - b. Designation of type and function of the unit;
 - c. General dimensions, capacities and structural description (supply any available plans/drawings);
 - d. Dates that the unit was operated;
 - e. Specification of all wastes that have been managed at/in the SWMU or AOC to the extent available; and
 - f. All available information pertaining to any release of hazardous waste(s), hazardous waste constituent(s) or hazardous constituent(s) to include groundwater data, soil analyses, air, and/or surface water data.
- IV.B.4. The Director shall review the information submitted pursuant to Condition IV.B.3. and notify the Permittee in writing as to the need for further investigation, interim measures and/or corrective action as required by Condition IV.D., IV.E, IV.F., or IV.G.

IV.C. Notification Requirements for Newly Discovered Releases at Previously Identified SWMUs and AOCs

- IV.C.1. Within thirty (30) days of the Permittee's discovery of a previously unidentified release(s) from any SWMU or AOC identified under Condition IV.A.1., the Permittee shall notify the Director in writing of such discovery.
- IV.C.2. The Director shall notify the Permittee in writing of the discovery of any previously unidentified release(s) from any SWMU or AOC previously discovered under Condition IV.A.1.
- IV.C.3. Within ninety (90) days of the date of the Permittee's discovery under Condition IV.C.1., or within ninety (90) days of the date of the Director's notification under Condition IV.C.2., the Permittee shall submit to the Director an RFI Workplan pursuant to Condition IV.F.

IV.D. Verification Investigation (VI)

- IV.D.1. The Director may require the Permittee to submit a VI Workplan for any SWMU or AOC discovered under Condition IV.A.1.f. in a schedule to be determined by the Director. The VI Workplan shall describe all actions necessary to verify the presence or absence of a release for any SWMU or AOC. The VI Workplan shall include a schedule of implementation which includes intermediate milestones beginning with the Permittee's receipt of the Director's written approval of the VI Workplan continuing through submission of the VI Report required by Condition IV.D.3.
- IV.D.2. Upon receipt of the Director's written approval of the VI Workplan, the Permittee shall implement the Workplan in accordance with the schedule of implementation contained therein.
- IV.D.3. The Permittee shall submit a VI Report in accordance with the schedule of implementation contained within the approved VI Workplan. The VI Report shall describe all actions taken to verify the presence or absence of releases including all data collected during the VI. The Director shall review the VI Report and notify the Permittee in writing of the need for further investigation, interim measures and/or corrective action pursuant to Condition IV.E., IV.F. and/or IV.G.

IV.E. Interim Measures

- IV.E.1. The Permittee may conduct interim measures to contain, remove or treat contamination resulting from releases from any SWMU or AOC as necessary to protect human health and the environment. Such interim measures may be conducted concurrently with any investigations required by this permit.
- IV.E.2. Within thirty (30) days of the Permittee's determination that interim measures are necessary, or within thirty (30) days of receipt of the Director's written notice that interim measures are necessary, the Permittee shall submit to the Director an Interim Measures (IM) Workplan. The IM Workplan shall describe all measures necessary to contain, remove or treat contamination resulting from releases from any SWMU or AOC. The IM Workplan shall include a schedule of implementation which includes intermediate milestones beginning with the Permittee's receipt of the Director's written approval of the IM Workplan and continuing through submission of the IM Report required by Condition IV.E.5.
- IV.E.3. Upon receipt of the Director's written approval of the IM Workplan, the Permittee shall implement the Workplan in accordance with the schedule of implementation contained therein.
- IV.E.4. The Permittee shall provide written notice to the Director as soon as possible of any planned changes, reductions or additions to the interim measures described in the IM Workplan.
- IV.E.5. The Permittee shall submit an IM Report in accordance with the schedule of implementation contained in the approved IM Workplan. The IM Report shall describe all interim measures taken to contain, remove or treat contamination resulting from releases from any SWMU or AOC. The IM Report shall also provide a summary of all data or other information obtained during implementation of the IM Workplan and a summary of the effectiveness of the interim measures in achieving the objective of Condition IV.G.

IV.F. RCRA Facility Investigation (RFI)

- IV.F.1. Within ninety (90) days of the date of receipt of the Director's written notice pursuant to Condition IV.B.4., IV.C.2. and/or IV.D.3., or within ninety (90) days of the date of the Permittee's discovery under Condition IV.C.1., the Permittee shall submit to the Director a RCRA Facility Investigation (RFI) Workplan.
- IV.F.2. The RFI Workplan shall provide a description of the specific actions necessary to determine the nature and extent of releases from any SWMU and AOC identified by Condition IV.A., IV.B., IV.C. and

IV.D., including potential migration pathways for those releases (e.g. air, land, surface water, and groundwater), actual or potential receptors and applicable background concentrations. The Permittee must provide sufficient justification that migration through a potential pathway is not likely if a potential migration pathway associated with a release is not included in the Workplan. Such deletions are subject to the approval of the Director.

IV.F.3. The RFI Workplan shall include a schedule of implementation which includes intermediate milestones beginning with the Respondent's receipt of the Director's written approval of the RFI Workplan and continuing through submission of the RFI Report required by Condition IV.F.4. Upon approval by the Director, the Permittee shall implement the RFI Workplan in accordance with the schedule contained in the approved Workplan.

IV.F.4. The Permittee shall submit an RFI Report in accordance with the schedule of implementation contained in the approved RFI Workplan. The Report shall provide a summary of all activities undertaken during the RFI to implement the approved Workplan. The Report shall provide a complete description of the full nature and extent of all releases identified during the RFI including sources, migration pathways, actual or potential receptors and applicable background concentrations. The RFI Report shall address all releases which extend beyond the facility property boundary unless the Permittee demonstrates to the Director's satisfaction that, despite the Permittee's best efforts, the Permittee was unable to obtain permission to undertake actions required by the Workplan, or such action is not necessary to protect public health or the environment.

IV.F.5. The Director shall review the RFI Report required under Condition IV.F.4. and notify the Permittee in writing of the need for further investigation and/or corrective action as required by Condition IV.G. and 40 CFR 264.101(a) and 264.101(c).

IV.F.6. Within ninety (90) days of Permittee's receipt of Director's written notice for further investigation referenced in Condition IV.F.5., the Permittee shall submit an addendum to the RFI Workplan to the Director. The addendum shall provide a description of investigation activities that will be conducted to further define the nature and extent of releases from any SWMU.

IV.G. Corrective Action Program

IV.G.1. Within ninety (90) days of the Permittee's receipt of the Director's written notice for corrective action referenced in Condition IV.F.5., the Permittee shall submit a Corrective Action Plan (CAP) to the Director. The CAP shall provide a description of the corrective measures to be taken with regard to releases from any SWMUs and AOCs identified in Condition IV.F.1. The CAP shall be submitted as a request for permit modification in accordance with 40 CFR 270.41 and 270.42.

IV.G.2. The CAP shall include a schedule of implementation with intermediate milestones beginning with the issuance of the permit modification requested pursuant to Condition IV.G.1. and continuing through the post-closure period.

IV.G.3. The CAP shall include a demonstration of financial responsibility conforming to Condition I.F.3.

IV.G.4. The Permittee shall identify media remediation levels for corrective action based upon the Georgia EPD Guidance For Selecting Media Remediation Levels At RCRA SWMUs.

IV.G.5. The Permittee shall conduct a corrective action program as to remove or treat in place any hazardous waste(s), hazardous waste constituent(s), or hazardous constituent(s) that have been released to groundwater, surface water and/or soils that exceed the remediation levels identified per Condition IV.G.4.

a. Within the facility property boundary; and

- b. Beyond the facility property boundary, unless the Permittee can demonstrate to the satisfaction of the Director that:
 - i despite the Permittee's best efforts, the Permittee was unable to obtain the necessary permission to undertake such action; or
 - ii such action is not necessary for the protection of human health or the environment.

IV.G.6. The Permittee is not relieved of all responsibility to clean up a release that has migrated beyond the facility's boundary where off-site access is denied.

IV.G.7. The Permittee shall treat, store, and dispose of all contaminated groundwater, surface water, sediments, and soil materials in accordance with all applicable federal, state and local laws.

IV.H. Schedule of Compliance

IV.H.1. All plans and reports required by this Section are subject to the approval of the Director prior to implementation. The Permittee shall revise all submittals as specified by the Director.

IV.H.2. For any schedule of implementation required by this Section, if the time required to complete any activity is more than one year, the schedule shall specify interim dates for the submission of reports of progress towards satisfaction of the interim requirements.

IV.H.3. Extensions of the due date for the submittal of any plan or report may be granted by the Director based on the Permittee's demonstration that sufficient justification for the extension exists.

IV.H.4. Upon approval by the Director, all plans and reports shall be enforceable as conditions of this permit.

IV.H.5. If at any time the Permittee determines that any plan or report required under this Section no longer satisfies the requirements of this permit or 40 CFR 264.101, the Permittee must submit an amended plan or report to the Director within thirty (30) days of such determination.

IV.H.6. If at any time the Director determines that any plan or report required under this Section no longer satisfies the requirements of this permit or 40 CFR 264.101, the Director will so notify the Permittee in writing and request that an amended plan or report be submitted in accordance with a schedule to be specified.

IV.I. Permit Modification

IV.I.1. If required to develop a corrective action plan under Condition IV.G., the Permittee shall apply for a permit modification pursuant to 40 CFR 270.42 to incorporate the plan into the permit.

IV.I.2. If at any time the Permittee determines that the corrective action plan(s) no longer satisfies the requirements of 40 CFR 264.101 or Condition IV.G. for releases of hazardous constituent(s) originating from a SWMU or AOC, the Permittee must within ninety (90) days, submit an application for a permit modification to make any appropriate changes in the plan(s).

IV.I.3. If the Permittee meets or exceeds the requirements of 40 CFR 264.101 and Condition IV.G.5. for three consecutive years for any SWMU or AOC, the Permittee may submit an application for permit modification pursuant to 40 CFR 270.42 to the Director to discontinue the active portion of the corrective action plan(s) and to establish an alternate groundwater monitoring program for that unit(s).

**TABLE I.
GROUNDWATER PROTECTION STANDARD
OLD DRUM STORAGE AREA**

<u>HAZARDOUS CONSTITUENT(S)</u>	<u>CONCENTRATION LIMIT (mg/l)</u>
Trichloroethylene	Background*
1,1- Dichloroethylene	Background*
cis-1,2-Dichloroethylene	Background*
trans-1,2-Dichloroethylene	Background*
Methylene Chloride	Background*
Vinyl Chloride	Background*
Tetrachloroethylene	Background*
Acenaphthene	Background*
Acenaphthylene	Background*
Fluoranthene	Background*
Fluorene	Background*
2-Methylnaphthalene	Background*
Naphthalene	Background*
Phenanthrene	Background*
Pyrene	Background*
Dibenzofuran	Background*
Zinc	Background*
Lead	Background* or 0.05**

* Determined according to procedures specified in Condition III.F.

** Concentration Limit derived from 40 CFR 264.94 Table 1.

RCRA Unit	Annual Groundwater Quality Monitor Wells	Semi-Annual Groundwater Elevation Monitor Wells	Groundwater Contaminant Constituents (GWCCs)	Additional Groundwater Constituents	Semi-Annual Surface Water Sample Locations	Surface Water Sample Constituents
Hazardous Waste Management Units (HWMU)						
Old Drum Storage Area (ODSA) (Sample/Gauge January-June)	MW-12, MW-13, MW-34, MW-35, MW-36, MW-72, MW-73, MW-74, MW-76, MW-133	MW-11, MW-12, MW-13, MW-32, MW-34, MW-35, MW-36, MW-47, MW-71, MW-72, MW-73, MW-74, MW-75, MW-76, MW-77, MW-133	trichloroethylene, 1,1-dichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, methylene chloride, vinyl chloride, tetrachloroethylene, zinc, lead	Appendix IX parameters (point of compliance wells MW-11, MW-12, & MW-13; one well/year rotation); acenaphthene, acenaphthylene, fluoranthene, fluorene, 2-methylnaphthalene, naphthalene, phenanthrene, pyrene, dibenzofuran (wells MW-12 & MW-34 only; annual)	W-28	trichloroethylene, 1,1-dichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, methylene chloride, vinyl chloride, tetrachloroethylene, acenaphthene, acenaphthylene, fluoranthene, fluorene, 2-methylnaphthalene, naphthalene, phenanthrene, pyrene, dibenzofuran
RCRA Unit	Biennial Groundwater Quality Monitor Wells	Semi-Annual Groundwater Elevation Monitor Wells	Groundwater Contaminant Constituents (GWCCs)	Additional Groundwater Constituents	Semi-Annual Surface Water Sample Locations	Surface Water Sample Constituents
Facility Background (Biennial)						
Old Drum Storage Area (ODSA) (Sample/Gauge January-June)	MW-32	MW-32	GWCCs identified above			

TABLE II.
GROUNDWATER PROTECTION STANDARD
ALUM SLUDGE BASIN

<u>HAZARDOUS CONSTITUENT(S)</u>	<u>CONCENTRATION LIMIT (mg/l)</u>
cis-1,2-Dichloroethylene	Background*
trans-1,2-Dichloroethylene	Background*
1,1-Dichloroethylene	Background*
Methylene chloride	Background*
Trichloroethylene	Background*
Vinyl chloride	Background*
Tetrachloroethylene	Background*
Chlorobenzene	Background*
1,1-Dichloroethane	Background*
1,2-Dichlorobenzene	Background*
Chromium	Background* or 0.05**
Vanadium	Background*

* Determined according to procedures specified in Condition III.F.

** Concentration Limit derived from 40 CFR 264.94 Table 1.

RCRA Unit	Annual Groundwater Quality Monitor Wells	Semi-Annual Groundwater Elevation Monitor Wells	Groundwater Contaminant Constituents (GWCCs)	Additional Groundwater Constituents	Semi-Annual Surface Water Sample Locations	Surface Water Sample Constituents
Hazardous Waste Management Units (HWMU)						
Alum Sludge Basin (ASB) (Sample/Gauge July-December)	MW-14, MW-15, MW-16, MW-17, MW-28, MW-79, MW-29(18-28), MW-46, MW-48	MW-14, MW-15, MW-16, MW-17, MW-26, MW-28, MW-29(18-28), MW-30, MW-46, MW-48, MW-79,	trichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, 1,1-dichloroethylene, methylene chloride, vinyl chloride, tetrachloroethylene, chlorobenzene, 1,1-dichloroethane, 1,2-dichlorobenzene, chromium, vanadium	Appendix IX parameters (point of compliance wells MW-14, MW-15, & MW-16, one well/year)	CW-1, CW-2	trichloroethylene, 1,1-dichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, methylene chloride, vinyl chloride, tetrachloroethylene, chlorobenzene, 1,1-dichloroethane, 1,2-dichlorobenzene
RCRA Unit	Biennial Groundwater Quality Monitor Wells	Semi-Annual Groundwater Elevation Monitor Wells	Groundwater Contaminant Constituents (GWCCs)	Additional Groundwater Constituents	Semi-Annual Surface Water Sample Locations	Surface Water Sample Constituents
Facility Background (Biennial)						
Alum Sludge Basin (ASB), Acid-Lime Sludge Area (ALSA), Old Refuse Area-2/Old Runoff Pond Area (ORA-2/ORPA) (Sample/Gauge July-December)	MW-9(2-12), MW-9(17-27), MW-113	MW-9(2-12), MW-9(17-27), MW-113	GWCCs identified above			

Appendix A

I. Solid Waste Management Units and Areas of Concern, requiring a RFI:

Old Refuse Area Number-2 (ORA-2)
Old Run-off Pond Area (ORPA)
Locomotive Paint and Air Brake Shop (LPABS)
Old Engine House (OEH)
Old Cleaning Vat Sludge Pits (OCVSP)

II. Solid Waste Management Units and Areas of Concern that require no further action at this time:

Alum Sludge Pond
Pollution Pond Number 1
Pollution Pond Number 2
Pollution Pond Number 5
Former Temporary Sludge Stabilization Area
The Caustic Cleaning Vat Sludge Pile
Temporary Sludge Stabilization Area
The Loop Track Area
The Car Cleaning Drainage Ditch
Old Refuse Area No - 1
The Wastewater Treatment Plant Grit Sludge

III. Solid Waste Management Units which are regulated units as defined by 40 CFR 264.90(a)(2)

Old Drum Storage Area
Alum Sludge Basin

IV. Solid Waste Management Units and Areas of Concern requiring a Verification Investigation

Locomotive Breakdown Pad Area *

V. Solid Waste Management Units and Areas of Concern requiring Corrective Action

Acid-Lime Sludge Area
Locomotive Shop Area

* - During the Federal Fiscal Year 2009 Compliance Evaluation Inspection, using maps provided by CSX in its 2008 permit renewal application, EPD determined a portion of the CSX property, bordering the Waycross Recycling Company, and being used to stage/store used locomotive parts and engines, met the permit's definition of Area of Concern and requires a Verification Investigation. This area is hereinafter referred to as the Locomotive Breakdown Pad Area.