PERMIT NO. HW-090(D)
ISSUANCE DATE:
TERMINATION DATE:

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

AMENDMENT TO HAZARDOUS WASTE FACILITY PERMIT

In accordance with the provisions of the Georgia Hazardous Waste Management Act and the Rules, Chapter 391-3-11, (as effective on the date of issuance of this permit), adopted pursuant to that Act, Permit No. HW-090(D), issued on October 17, 2016, to

Morito Scovill Americas, LLC (d.b.a. Scovill Fasteners) **EPA ID No. GAD003480530**

for the following:

Post-closure care of three (3) hazardous waste surface impoundments closed as a single landfill and corrective action to remove and treat contaminated groundwater.

Is hereby amended as follows:

By incorporating the Class 3 permit modification on the attached twenty-three (23) pages.

Reason for Amendment:

Designate the completion of corrective action of three (3) hazardous waste surface impoundments closed as a single landfill and terminate the permit upon execution of a Consent Order.

This Permit Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached twenty-three (23) pages, which pages are a part of this Amendment. This Amendment is hereby made a part of Permit No. HW-090(D) and compliance with this Amendment is hereby ordered.

STATE OF GEORGIA
CONSTITUTION
WISDOM JUSTICE MODERATION
1776

Jeffrey W. Cown, Director
Environmental Protection Division

SECTION I. GENERAL PERMIT CONDITIONS

A. Scope and Effect of Permit

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 the Environmental Protection Division (EPD) of the Georgia Department of Natural Resources.

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.

3. Compliance of 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.

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 through §12-8-82, as amended.

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.

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.

B. Management Requirements

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.

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, including all amendments, revisions, and modifications;

(b) Post-closure care plan;
(c) Operating record as required by 40 CFR 264.73;
(d) Inspection log;
(e) Corrective action plan;
(f) Groundwater sampling and analysis plan;
(g) Cost estimate for facility post-closure care and corrective action as required by 40 CFR 264.144; and
(h) Proof of financial assurance for post-closure care and corrective action as required by 40 CFR 264.145 and the Georgia Hazardous Waste Management Act, O.C.G.A. §12-8-68, as amended.
(i) Institutional and/or engineering control instruments/plans (including hazardous waste-related deed notices and environmental covenants)

3. All amendments, revisions and modifications to any plan or cost estimates required by this permit shall be submitted to the Director for approval and permit modification as necessary.

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 corrected facts or information.

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 include 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 back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

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 a registered professional engineer or, when appropriate, a 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

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/groundwater 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 edition 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 groundwater samples shall be conducted in accordance with methods and procedures acceptable to the Director.

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 and records of all data used to complete the application for this permit, including the certification required by Condition I.G.1., for a period of at least three (3) years from the date of the sample, measurement, report, certification, record, or application. 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.

3. The Permittee shall maintain records on site for all groundwater monitoring wells and associated groundwater surface elevations, including groundwater flow rate and direction, throughout the post closure period.

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 sampling and analytical techniques or methods used; the method of sample preservation; and quality assurance methods;
   (f) The flow directions and flow rates in the uppermost aquifer;
   (g) The results of such analyses and measurements in table and/or figure format.

5. The Permittee shall report to the Director or his representative orally within twenty-four (24) hours from the time the Permittee becomes aware of any circumstances resulting from the operation and/or maintenance 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, hazardous waste constituents, or hazardous constituents that may cause an endangerment to public drinking water supplies;
   (b) Release or discharge of hazardous waste, hazardous waste constituents, or hazardous constituents 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.

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.

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.

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.

9. All reports or other information requested by the Director shall be signed and certified according to the requirements in 40 CFR 270.11.

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 groundwater data or interpretation:

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

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

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.

2. Transfer of Permits. This permit is not transferrable to any person 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 operational control 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 264 and 270.

3. Duty to Comply. The Permittee shall comply with all conditions of this permit, except to the extent and for the duration an emergency permit authorizes such non-compliance. Any other non-compliance with this permit constitutes a violation of the Georgia Hazardous Waste Management Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application.

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 one hundred eighty (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.

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.

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.

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.

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

9. Reporting Planned Changes. The Permittee shall give notice to the Director of any planned physical alterations or additions which impact any SWMU's, AOC's or the areas contaminated by them, including voluntary corrective measures.

10. Electronic Records. Where this permit requires Permittee to maintain records or documents at the facility, the Permittee may satisfy such a requirement through the use of electronic records that are readily accessible at the facility, provided that the Permittee notify EPD in writing of the type of records or documents that the Permittee intend to maintain electronically, the format of those files and the steps that Permittee will take to ensure that the electronic versions of the records or documents reflect the final version such records or documents (as opposed to superseded drafts).

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 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, hazardous waste constituent, or hazardous constituent that 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, hazardous waste constituent, or hazardous constituent in a concentration that exceeds the naturally occurring concentration of that waste or constituent 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.14. below, for the purposes of this permit shall 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 to the Director 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 Part 264.552, for the purpose of implementing corrective action requirements 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 authorized 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 Environmental Protection Division of the Georgia 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/volume in which the concentrations of hazardous waste, hazardous waste constituents or hazardous constituents in the environmental media being investigated are above estimated quantitation limits, as defined in the most recent version of SW-846, or naturally occurring concentrations representative of areas not affected by the facility.

9. *Hazardous Constituents* for the purpose of this permit are those substances listed in 40 CFR Part 261 Appendix VIII and 40 CFR Part 264 Appendix IX, as revised or superseded.

10. *Institutional Controls* for the purpose of this permit are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the corrective measures.

11. *Interim Measures* for the purposes of this permit are actions necessary to minimize or prevent the migration of contamination or limit actual or potential human and environmental exposure to contamination while long-term corrective action remedies are evaluated and, if necessary, implemented.

12. *Land Disposal Facility* for the purposes of this permit is defined as a facility (and all contiguous property under control of the owner or operator) that uses a surface impoundment, landfill, land treatment, 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.

13. *Qualified Groundwater Scientist* for the purposes of this permit means a scientist 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 current State of Georgia registration and completion of accredited university courses, that enable that individual to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport.

14. *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, hazardous waste constituent, or hazardous constituent.

15. *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 wastes 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 §3008(h) of RCRA. For a given facility, remediation wastes may originate only from within the facility boundary, but may include waste managed in implementing §3004(v) or §3008(h) of RCRA for releases beyond the facility boundary.

16. *Solid Waste Management Unit (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, hazardous waste constituents, or hazardous constituents might migrate, irrespective of whether the units were intended for the management of solid and/or hazardous waste. SWMUs include areas that have been contaminated by routine and systematic releases of hazardous waste, hazardous waste constituents, or hazardous constituents.

17. *Staging Pile* for the purposes of this permit includes temporary storage for mixing, sizing, blending, or other similar physical operations as long as they are intended to prepare the waste for subsequent management or treatment as defined in 40 CFR 264.554.

18. *Temporary Units (TU)* for the purposes of this permit includes any temporary tank and/or container storage areas used solely for treatment or storage of hazardous remediation waste during remediation activities required under 40 CFR 264.101. Designated by the Director, such units must conform to specific standards as defined in 40 CFR 264.553 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 264 Subparts B, C, D, E, G, H)

1. The Permittee must follow the procedures and plans described in detail in the permit application dated February 4, 2016, and revised March 9, 2016, as amended, which are hereby incorporated by reference and include at least the following:

(a)	Post-Closure Plan	Appendix D
(b)	Corrective Action Plan	Section 3

2. The following activities must be carried out as prescribed in 40 CFR 264 Subparts B and E and in accordance with Sections 1.5 and 3.5 of the permit application:

(a) Security - 40 CFR 264.14(b) and (c)
(b) Repair and Inspection Log - 40 CFR 264.15(c) and (d)
(c) Personnel training - 40 CFR 264.16
(d) Operating record - 40 CFR 264.73
(e) Retention and disposition of records - 40 CFR 264.74
(f) Reports - 40 CFR 264.73, 264.74, 264.75 and 264.77

3. The following activities must be carried out as prescribed in 40 CFR 264 Subpart G and H and in accordance with Appendix D and H of the permit application, and Rule 391-3-11-.05:

(a) Post-closure care and use of property - 40 CFR 264.117
(b) Post-closure plan, amendment of plan - 40 CFR 264.118
(c) Notice to local land authority and in deed to property - 40 CFR 264.119 and 264.120
(d) Financial assurance for post-closure care and corrective action. Continuous compliance with 40 CFR 264.145 must be maintained by the Permittee for the amount of the cost estimate for post-closure care and corrective action as required by 40 CFR 264.144, until released by the Director as provided in 40 CFR 264.145(i). Continuous compliance with Rule 391-3-11-.05 is also required.

4. The Permittee must comply with 40 CFR 264.148 whenever necessary.

I.G. Special Conditions Applicable to Entire Facility

1. Waste Minimization: The Permittee shall be required to certify no less often than annually, in accordance with 40 CFR 264.73(b)(9), that the Permittee has a program in place to reduce the volume and toxicity of hazardous waste that they generate 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.

2. Land Disposal Restrictions: 40 CFR 268 identifies hazardous wastes that are restricted from land disposal and defines those limited circumstances under which an other wise prohibited waste may continue to be placed on or in a land treatment, storage, or disposal unit. The Permittee shall maintain compliance with the requirements of 40 CFR 268. Where the Permittee has applied for an extension, waiver or variance under this Part, the Permittee shall comply with all restrictions on land disposal under this Part once the effective date for the waste has been reached, pending final approval of such application.

SECTION II. CONDITIONS RELATED TO POST-CLOSURE CARE

The Permittee shall continue to be subject of the following Post-Closure Care Plan until the effective date of permit termination, successfully demonstrating completion of procedures and plans described below:

II.A. Unit Identification

The Permittee shall provide post-closure care for three closely spaced and concrete-lined surface impoundments, having a total area of 0.74 acre and being units in an industrial wastewater treatment facility, which were closed in 1990 by removal of sludge and backfilling. The three impoundments are subject to post-closure care as a single landfill in accordance with 40 CFR 264.310 due to the subsequent discovery of groundwater contamination. The location of the closed impoundments/landfill is identified on Figure 4 of the permit application.

II.B. Waste Identification

Listed hazardous waste F006 was stored in the surface impoundments until closure. At closure, the impoundments were drained, the sludge removed and transported off-site for treatment and disposal, and the concrete liners decontaminated. The concrete of the decontaminated liners was returned to one of the impoundment excavations after soil sampling was completed, and the excavations were backfilled to grade. Elevated concentrations of chromium and nickel were not observed at locations sampled during closure but were confirmed at a single groundwater monitoring well after closure. The units and their associated waste streams are described in Section 1.4.1.1 of the permit application dated February 4, 2016, and revised March 9, 2016, as amended.

II.C. Post-Closure Care

1. The Permittee shall perform post-closure care for the landfill in accordance with the post-closure care plan in Appendix D of the permit application and as required by 40 CFR 264.310(b), including the installation and maintenance of a low-permeability cap as

described in Section 3.1 of the permit application, as amended and as required by 40 CFR 264.310(a).

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).

II.D. Monitoring and Inspection

The Permittee shall follow and document inspections performed in accordance with Appendix D of the permit application and as required by 40 CFR 264.15 and 264.310(b). Inspections shall include the operation and maintenance of all corrective action equipment at the facility.

SECTION 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 incorporated by the Corrective Action Plan dated October 2024, as amended, specified below:

1. The Permittee shall maintain the following groundwater monitoring wells at the locations specified on Figure 4, and in accordance with Section 5.1 of the permit application: monitoring wells MW-1, 2, 3, 4, 5, 6, 7, 8a, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, P-1, P-2, and P-3. Monitoring wells MW-5, 7 and 8a are the point of compliance (POC) wells for the closed surface impoundments/landfill.

2. The Permittee shall maintain monitoring well MW-1 as the background monitoring well for the facility. If the groundwater in this well no longer represents background water conditions for the facility, the Permittee shall submit a plan to install a new background well.

3. The Permittee shall collect semi-annual groundwater samples from MW-8a, 16, and 20, whose locations are identified on Figure 4, in accordance with Section 3.1 of the Corrective Action Plan, October 2024.

4. The Permittee shall install and maintain additional wells as necessary to assess changes in the rate and extent of any plume of contamination or as otherwise deemed necessary to maintain compliance with 40 CFR 264.95, 264.97, and 264.100; and all other groundwater monitoring wells or extraction wells deemed appropriate by the Director to monitor groundwater conditions within and adjacent to all plumes of contamination associated with the facility. 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 depths and proposed total depth of well(s);
    (b) Well development method(s);
    (c) A complete analysis of well construction materials;
    (d) A schedule of implementation for construction; and

(e) Provisions for determining the hydraulic conductivity of the applicable aquifer unit(s) at the location of the new well(s).

III.B. Groundwater Protection Standard

1. The groundwater protection standard, as required under 40 CFR 264.92, shall consist of Table 1 which lists the hazardous constituents and their respective concentration limits required under 40 CFR 264.93 and 264.94 respectively.

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

TABLE 1. GROUNDWATER PROTECTION STANDARD

HAZARDOUS CONSTITUENT	CONCENTRATION LIMIT (μg/l)
Total Chromium	50**
Total Mercury	2**
Total Nickel	390***
Total Vanadium	Background*
Chloroform	Background*
Chloromethane	Background*
1,2-Dichloroethene	Background*
Methylene chloride	Background*
Tetrachloroethylene	Background*
Trichloroethylene	Background*

*To be determined according to procedures specified in Condition III.F.
**Concentration Limit derived from 40 CFR 264.94 Table 1.
*** Type 1 Risk Reduction Standard, child exposure

III.C. Compliance Period

1. The compliance period under 40 CFR 264.96 shall continue until the end of the post-closure period as defined in 40 CFR 264.117.

2. If the Permittee is engaged in a corrective action program at the end of the compliance period as defined in Condition III.C.1., the compliance period is extended until the Permittee demonstrates that the groundwater protection standard (Table 1) 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 required by 40 CFR 264.96(c).

III.D. Monitoring Program to Demonstrate Effectiveness of Corrective Action

Permittee shall maintain 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 intersecting any plume emanating from the regulated units). Groundwater monitoring shall be conducted in conformance with the requirements of 40 CFR 264.100(d) and as specified below:

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

2. The Permittee shall collect and analyze samples from monitoring wells MW-8a, 16 and 20, for total chromium, mercury and nickel, according to the timeframe listed in Section 3.1 of the Corrective Action Plan, October 2024.

3. The Permittee shall determine the groundwater flow rate and direction in the uppermost aquifer at least semi-annually.

4. The groundwater monitoring program must include a determination of groundwater surface elevation at all monitoring wells identified in Condition III.A. each time groundwater is sampled semi-annually.

5. Compliance with the groundwater protection standard, as defined under Condition III.B., will be based upon groundwater monitoring data obtained under Condition III.D. that indicate that all constituents listed in Table 1 no longer exceed the groundwater protection standard at the point of compliance or any other monitoring point within or adjacent to the plume(s) of contamination. Comparisons for the purpose of determining compliance shall be made utilizing the statistical procedure described in 40 CFR 264.97(h) and (i).

III.E. Corrective Action Program

The Permittee shall continue to be subject of the following corrective action program until the effective date of permit termination, successfully demonstrating completion of procedures and plans described below:

1. The Permittee shall continue the corrective action program for releases of hazardous constituents to groundwater from the units identified in Condition II.A as required under 40 CFR 264.100 and as described in Section 3.4 of the permit application for those hazardous constituents that exceed the groundwater protection standard as designated in Table 1.

2. The Permittee shall conduct a corrective action program for contamination defined as originating from the units identified in Condition II.A., to remove or treat in place any hazardous constituents that exceed concentration limits in Table 1 in groundwater between the point of compliance and the downgradient facility property line 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.

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

4. If the groundwater protection standard is met during the compliance period, the Permittee must continue corrective action to the extent necessary to ensure that the groundwater standard is not exceeded. The Permittee may request EPD to allow the corrective action

program to be terminated if the groundwater protection standard has not been exceeded for three (3) consecutive years as provided in 40 CFR 264.100(f).

5. 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, as required under 40 CFR 264.100(e)(2).

6. The corrective action program must be operated in such a manner so as to mitigate the release of any hazardous waste, hazardous constituents, or hazardous waste constituents to the environment.

7. The corrective action program must be operated in a manner so as to preclude the contaminant plume from migrating off-site.

III.F. Sampling and Analysis Procedures

The Permittee shall use the following techniques and procedures when obtaining and analyzing samples from the groundwater monitoring wells described in Condition III.A.3 to provide a reliable indication of the quality of the groundwater as required under 40 CFR 264.97(d) and (e);

1. Samples shall be collected in accordance with Section 3.1 (Groundwater Monitoring Scope) of the CAP, and EPA's Region IV Laboratory Services and Applied Science Division (LSASD) Procedures found in its Field Branches Quality System and Technical Procedures.

2. Samples shall be analyzed according to the procedures specified in Section 3.1 (Groundwater Monitoring Scope) of the CAP, as amended, or as specified in the most recent edition of Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, EPA Manual SW-846, using whichever procedure is more recent at the time of analysis.

3. Samples shall be tracked and controlled using the EPA's Region IV Laboratory Services and Applied Science Division (LSASD) Procedures found in its Field Branches Quality System and Technical Procedures.

III.H. Reporting, Recordkeeping, and Response

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

2. The Permittee shall submit a groundwater monitoring report to the Director on the effectiveness of the corrective action program semi-annually to include all monitoring, testing and analytical data obtained under Condition III. The report shall clearly indicate those hazardous constituents which exceed the groundwater protection standard established under Condition III.B., provide a comparison with previous monitoring data, and include a discussion of trends toward improvement or degradation of groundwater quality. The assessment of groundwater flow rate and direction under Condition III.D.4. shall accompany each report.

III.I. Permit Modification

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

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 everywhere within the contaminant plume for three (3) consecutive years, the Permittee may submit an application for a permit modification pursuant to 40 CFR 270.42 to terminate corrective action and to establish an alternate groundwater monitoring program.

III.J. Duty of Permittee

The Permittee shall ensure that groundwater monitoring and corrective action measures necessary to achieve compliance with 40 CFR 264.100 and with the groundwater protection standard under 40 CFR 264.92 are taken during the compliance period.

SECTION IV. SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN

IV.A. Applicability

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 to the following SWMUs and AOCs:

1. The SWMUs and AOCs identified in Appendix A-1 which require further investigation.

2. The SWMUs and AOCs identified in Appendix A-2 which require no further action at this time.

3. The SWMUs and AOCs identified in Appendix A-3 which are regulated units as defined by 40 CFR 264.90(a)(2).

4. The SWMUs and AOCs identified in Appendix A-4 which require corrective action at this time.

5. Any additional SWMUs or AOCs discovered after the date of issuance of this permit due to groundwater monitoring, on-going field investigations, environmental audits, or other means.

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

1. Within fifteen (15) days of the Permittee's discovery of any SWMUs or AOCs under Condition IV.A.5., the Permittee shall notify the Director in writing of such discovery.

2. The Director shall notify the Permittee in writing of the discovery of any SWMUs or AOCs under Condition IV.A.5.

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;
   (c) General dimensions, capacities and structural description (supply any available plans/drawings);
   (d) Dates of operation;
   (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, hazardous constituents or hazardous waste constituents (to include soil, air, groundwater, and/or surface water data).

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/stabilization requirements and/or corrective action as required by Condition IV.D., IV.E., IV.F., or IV.G.

IV.C. <u>Notification Requirements for Newly Discovered Releases At Previously Identified SWMUs and AOCs</u>

1. Within thirty (30) days of the Permittee's discovery of any previously unidentified release(s) from any SWMU or AOC identified under Condition IV.A., the Permittee shall notify the Director in writing of such discovery.

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.

3. Within ninety (90) days of the Permittee's discovery under Condition IV.C.1 or within ninety (90) days of the date of receipt of the Director's notification under Condition IV.C.2, the Permittee shall submit to the Director either a Verification Investigation Workplan pursuant to Condition IV.D. or, if the presence of a release is already confirmed, a RCRA Facility Investigation (RFI) Workplan pursuant to Condition IV.F.

IV.D. <u>Verification Investigation (VI)</u>

1. Within thirty (30) days of the Permittee's determination that a Verification Investigation (VI) is necessary, or within thirty (30) days of receipt of the Director's written notice that a VI is necessary, the Permittee shall submit to the Director a VI Workplan. The VI Workplan shall describe all actions necessary to verify the presence or absence of a release for any SWMU or AOC identified pursuant to Conditions IV.A., IV.B. or IV.C. The VI Workplan shall

include a schedule of implementation that 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.

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.

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 Conditions IV.E., IV. F. and/or IV.G., or of a finding of no further action required.

IV.E. Interim Measures (IM)

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.

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.

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.

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.

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)

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., the Permittee shall submit to the Director a RCRA Facility Investigation (RFI) Workplan.

2. The RFI Workplan shall provide a description of the specific actions necessary to determine the full nature and extent of releases from the SWMU or AOC identified, 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.

3. The RFI Workplan shall include a schedule of implementation that includes intermediate milestones beginning with the Permittee'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.

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 human health or the environment.

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).

6. Within ninety (90) days of Permittee's receipt of the 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 and/or AOC.

IV.G. Corrective Action

1. Within ninety (90) days of the Permittee's receipt of the Director's written notice for corrective action referenced in Condition IV.B.4., IV.D.3., or 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 SWMU and AOC identified in Condition IV.D.3 and/or IV.F.1. The CAP shall be submitted as a request for permit modification in accordance with 40 CFR 270.42.

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.

3. The CAP shall include a demonstration of financial responsibility for completing such corrective action as required by 40 CFR 264.101(b) and Rule 391-3-11-.05.

IV.H. Schedule of Compliance

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.

2. For any schedule of implementation required by this Section, if the time required to complete any interim 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.

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.

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

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.

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

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.

APPENDIX
SOLID WASTE MANAGEMENT UNIT
AND AREA OF CONCERN SUMMARY

APPENDIX A-1

List of Solid Waste Management Units or Areas of Concern requiring further investigation.

SWMU/AOC

There are no SWMUs or AOCs that require further investigation.

APPENDIX A-2

List of Solid Waste Management Units and Areas of Concern requiring no further action.

SWMU/AOC

Acid spill area on south end of main building (SWMU 2)
Oil spill on north side of main building (SWMU 5)
Stormwater drainage ditch (SWMU 7)
Tanks, etc. associated with existing WWTP (SWMU 9)
WWTP sludge management system (SWMU 10)
Plating department process drains (SWMU 11)

*See Figure 4 of Part B Permit Application, dated February 4, 2016, revised March 9, 2016, for SWMU location.

APPENDIX A-3

List of Solid Waste Management Units and Areas of Concern which are regulated units as defined by 40 CFR 264.90(a)(2).

SWMU/AOC

Effluent Polishing Basin Area
Emergency Holding Basin Area
Equalization Basin Area

*See Figure 4 of the Part B Permit Application, dated February 4, 2016, revised March 9, 2016, for SWMU location.

APPENDIX A-4

List of Solid Waste Management Units and Areas of Concern which require corrective action pursuant to 40 CFR 264.101.

SWMU/AOC

No SWMUs require corrective action; permit termination effective upon issuance.