



FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

March 11, 2022

Mr. Scott Nelson
St. Marks Powder, Inc.
7121 Coastal Highway
Crawfordville, Florida 32355
Scott.Nelson@gd-ots.com

Re: **Final Issuance of Permit**
St. Marks Powder, Inc.
EPA ID Number: FLD047096524
Operating/Postclosure/Corrective Action Permit: 0066244-013-HO
Wakulla County, St. Marks, Florida

Dear Mr. Nelson:

Enclosed is Permit Number 0066244-013-HO to operate a Hazardous Waste Miscellaneous Unit, post-close a Hazardous Waste Landfill and to continue Corrective Actions. This permit is being issued pursuant to Section 403.722, Florida Statutes (F.S.), and Chapters 62-4, 62-160, 62-730, and 62-780, Florida Administrative Code (F.A.C.).

Upon issuance of this final permit, any party to this action has the right to seek judicial review of it under Section 120.68, F.S. by the filing of a notice of appeal under Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days after this order is filed with the Clerk of the Department.

If you have any questions, please contact Merlin D. Russell Jr. by telephone at (850) 245-8796 or by e-mail at merlin.russell@floridadep.gov.

Sincerely,

A handwritten signature in blue ink that reads "Michell Mason Smith".

Michell Mason Smith, Environmental Administrator
Hazardous Waste Program & Permitting

Enclosures

Mr. Scott Nelson
March 11, 2022
Page 2 of 2

cc (with Enclosures):

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PERMITTEE:
St. Marks Powder, Inc.
7121 Coastal Highway
Crawfordville, Florida 32327

I.D. NUMBER: FLD 047 096 524
PERMIT NUMBER: 0066244-013-HO
DATE OF ISSUE:
EXPIRATION DATE: October 1, 2026

ATTENTION:
Mr. Brandon Conrad
St. Marks Powder, Inc.

COUNTY: WAKULLA
PROJECT: Operation of a Hazardous Waste
Miscellaneous Unit, Postclosure of a Landfill
and HSWA Corrective Action

Pursuant to authorization obtained by the Florida Department of Environmental Protection (FDEP) under the Resource Conservation and Recovery Act [42 United States Code (U.S.C.) 6901, *et seq.*, commonly known as RCRA] and the Hazardous and Solid Waste Amendments of 1984 (HSWA), this permit is issued under the provisions of Section 403.722 Florida Statutes (F.S.), and Chapters 62-4, 62-160, 62-730, 62-777 and 62-780 Florida Administrative Code (F.A.C.). This permit replaces expired permit 0066244-HO-008. The above-named Permittee is hereby authorized to perform the work or operate the facility shown on the application submitted on December 10, 2021 and dated December 2021 that are incorporated herein and collectively referred to as the "permit application." The permit application also includes any approved drawing(s), plans, and other documents that are specifically identified and incorporated by reference. Solid Waste Management Units (SWMUs) and areas of concern (AOCs) identified to date are listed in Appendix A. The RCRA-regulated units, permitted units or permitted activities are specifically described as follows:

Miscellaneous Unit: Operate a hazardous waste miscellaneous open burn unit (OBU). Three steel pans are located on a concrete pad connected to a propane delivery piping system that facilitates treatment of waste explosives. The steel pans provide containment of waste materials and resulting burn residues. A "popping kettle" is located on the pad for use when explosive devices are treated. The reactive waste (D003) generated in the manufacturing process is collected in 20-gallon drums and transported to the OBU where the contents of the drums undergo thermal treatment. The residue after treatment may be characteristic for cadmium (D006) and/or selenium (D010). Waste explosive materials are placed in the "popping kettle" for treatment. The spent brass casings from this operation are recycled.

Management Area (WMA1): Provide postclosure care for the Landfill (Old Sludge Pile).

The facility will continue HSWA Corrective action at the SWMUs and AOCs identified in Appendices A.1 through A.4.

The Permittee is required to investigate any releases of contaminants to the environment at the facility regardless of the time at which waste was placed in a unit and to take appropriate corrective action for any such releases. Pursuant to 40 Code of Federal Regulations (CFR) 260.10 [as adopted by reference in Subsection 62-730.020(1), F.A.C.], the corrective action requirements of this RCRA permit extend to all property under control of the Permittee (see Attachment A, a map of the property boundaries of the land under the Permittee's control) and to all contamination that originated from discharges at the property under control of the Permittee.

This permit is based on the premise that information and reports submitted by the Permittee prior to issuance of this permit are accurate. Any inaccuracies found in this information or information submitted as required by this permit may be grounds for termination or modification of this permit in accordance with Section 403.727(3)(a) F.S. and Rule 62-730.290, F.A.C., and potential enforcement action.

The facility is located at 7121 Coastal Highway, Crawfordville, Florida 32327.

The following documents were used in the preparation of this permit:

1. January 28, 1983 Certification of Closure for Waste Pile (SWMU 1).
2. February 9, 1984 DER acceptance of the Certification of Closure for Waste Pile (SWMU 1).
3. December 6, 1993 Clean Closure Certification for the Hazardous Waste Incinerator.
4. February 3, 1994 DEP acceptance of the Clean Closure Certification for the Hazardous Waste Incinerator.
5. November 12, 1996 Risk-based Clean Closure Certification, WMA 1 (excluding the Old Sludge Pile) and WMA 2
6. December 23, 1996 DEP acceptance of the Risk-based Clean Closure Certification, WMA 1 (excluding the Old Sludge Pile) and WMA 2.
7. February 12, 1997 Submission of survey plat for the Old Sludge Pile filed with the Wakulla County, Florida zoning authority
8. February 14, 1997 Certification of Closure for the Old Sludge Pile.
9. May 8, 1997 FDEP letter of acceptance of closure for the Old Sludge Pile.
10. June 23, 1997 Deed restriction for the Old Sludge Pile filed and recorded with the Wakulla County, Florida Clerk of Court.
11. October 1997 Documentation and Engineering Certification of Open Burn Unit Reconstruction.

12. January 16, 2001 Amendment to Confirmatory Sampling Report
13. January 29, 2001 Corrective Measures Sampling Report.
14. March 5, 2001 EPA approval of Corrective Measures Sampling Report and Amendment to Corrective Measures Sampling Report.
15. August 30, 2002 DEP approval of Resource Conservation and Recovery Act Interim Measure Completion Report for SWMUs 37, 40 and 42 at St. Marks Powder, Inc.; FLD. 047 096 524.
16. January 8, 2003 DEP approval of Resource Conservation and Recovery Act Interim Measure Completion, Solid Waste Management Units 21 and 23, St. Marks Powder, St. Marks, Wakulla County, Florida.
17. February 3, 2003 summary of the investigation and remedial measures conducted at the pipeline leak at the North Sweetie Barrel Lift Station (SWMU 30).
18. April 26, 2006 Corrective Measures Study.
19. September 11, 2006 DEP approval of the April 26, 2006 Corrective Measures Study.
20. April 4, 2008 Annual Groundwater Monitoring Plan.
21. April 11, 2008 DEP approval of Groundwater Monitoring Plan.
22. August 2008 Interim Measure Completion, Solid Waste Management Units 21 and 23, St. Marks Powder, St. Marks, Wakulla County, Florida.
23. October 7, 2008 DEP approval of NFA for the Nitric/Sulfuric Acid Sludge Release Area at the Nitroglycerin Facility (SWMU 45).
24. October 15, 2009 Declaration of Restrictive Covenant for AOC A-Combustible Fibers Test Unit, SWMU 21-Covered Scrap Ditches, SWMU-23 Scrap Metal Decontamination Area, SWMU-28 Nitroglycerin Spill Area, SWMU 37-Decontamination Area, SWMU-40 Pack Cleaning Interim Storage, SWMU Acid Spill Area and the Old Sludge Pile.
25. July 22, 2011 Groundwater Recovery System for Diphenylamine, Solid Waste Management Units 21 and 23.
26. November 28, 2011 DEP approval of summary of the investigation and remedial measures conducted at the North Sweetie Barrel Lift Station (SWMU 30) dated February 3, 2003 and Interim Measures Workplan for Solid Waste Management Unit 30 dated August 30, 2002.
27. June 14, 2016, New SWMU Notification-SWMU 55, Tank R.W. Storage.
28. June 27, 2017 Resource Conservation and Recovery Act Site Assessment SWMU-55.
29. August 2, 2017 DEP approval that further assessment at SWMU-55 is not required.

PERMITTEE: St. Marks Powder, Inc.
I.D. NUMBER: FLD 047 096 524

PERMIT NUMBER: 0066244-013-HO
EXPIRATION DATE: October 1, 2026

30. December 2020 Emergency and Disaster Operations Plan (EDROP, Revision 28).
31. February 24, 2021 Site Rehabilitation Completion Report (SRCR), St. Marks Powder, Inc., EPA ID Number: FLD 047 096 524.
32. May 18, 2021 DEP review of the February 24, 2021 Site Rehabilitation Completion Report (SRCR), St. Marks Powder, Inc., EPA ID Number: FLD 047 096 524.
33. December 2021 Hazardous Waste Facility Permit Application, Operating Permit No. 0066244-HO-008, St. Marks Powder, Inc., Crawfordville, Florida, FLD 047 096 542.

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PERMITTEE: St. Marks Powder, Inc.
I.D. NUMBER: FLD 047 096 524

PERMIT NUMBER: 0066244-013-HO
EXPIRATION DATE: October 1, 2026

Permit Renewal (most recent)			
Effective Date	Duration	Permit Number	Brief Description
March 11, 2022	5 years	0066244-013-HO	Operating/Postclosure/Corrective Action Permit
Table of Permit Modifications			
Effective Date	Class*	Permit Number	Brief Description
*40 CFR Part 270.42 Appendix I-Classification of Permit Modification and/or Chapter 62-730, Florida Administrative Code.			

PART I – GENERAL AND STANDARD CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are “permit conditions” and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The Permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Sections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the Permittee from liability for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the Permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The Permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the Permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. This permit or a copy thereof shall be kept at the work site of the permitted activity. In the event that there is no building or reasonable repository for such a copy at the work site, an alternate location must be approved by the Department in writing.
8. The Permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted for the activities below. Reasonable time may depend on the nature of the concern being investigated.

- a. Have access to and copy any records that must be kept under conditions of the permit.
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit.
 - c. Sample or monitor any substances or parameters at any time or location reasonably necessary to assure compliance with this permit or Department rules.
9. The conditions in this permit shall take precedence over the permit application documents where there are differences between those documents and the permit conditions.
10. In accepting this permit, the Permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of the permitted activity which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted activity arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
11. The Permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the Permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
12. The Permittee shall comply with the following notification and reporting requirements:
 - a. If for any reason the Permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the Permittee shall immediately provide the Department's RCRA Manager with the following information:
 - (1) A description of and cause of noncompliance.
 - (2) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The Permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
 - b. The Permittee will report any event requiring emergency response or noncompliance that may endanger human health or the environment from fires and explosions or releases of hazardous waste that may endanger public drinking water supplies. The Permittee will report to the Department's RCRA Manager verbally within 24 hours, and provide a written report of the incident to the Hazardous Waste Program & Permitting Section at the address in Part I.15 or by alternate means (*e.g.*, e-mail) as approved by the Department, within five calendar days. It is the responsibility of the Permittee to ensure receipt of the written

report. The Department of Environmental Protection's 24-hour emergency telephone number is (850) 413-9911 or (800) 320-0519. During normal business hours, the Hazardous Waste Program & Permitting Section in Tallahassee may be contacted at 850-245-8707, or the DEP District Office may be contacted at (850) 595-8300 (Pensacola).

- (1) The verbal report shall include the following information:
 - (a) The name, address, I.D. number, e-mail address, and telephone number of the facility and its owner or operator.
 - (b) The date, time, and type of incident.
 - (c) The identity and quantity of materials involved.
 - (d) The extent of any injuries.
 - (e) An assessment of actual or potential hazards.
 - (f) The estimated quantity and disposition of recovered materials.
- (2) The written report shall include all of the information in the verbal report and the following information:
 - (a) A description and cause of the noncompliance.
 - (b) If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.
- c. Within 15 calendar days of discovery per Part V.A.1.b, the Permittee shall notify the Department's RCRA Manager in writing of any newly discovered release(s) of contaminant(s) to the environment resulting in a de Minimis cleanup (Part V.A.4) or a suspected new AOC(s) and/or SWMU(s) discovered during the course of groundwater monitoring, field investigations, environmental audits, or other means.
 - (1) The notification shall include, at a minimum, the location of the release, AOC or SWMU (hereinafter referred to collectively as "site"), and all relevant information (e.g., location of site(s) on a map of appropriate scale; general dimensions of affected area; media affected; hazardous constituents released; and magnitude of release).
 - (2) The Department may conduct, or require that the Permittee conduct, confirmatory sampling in order to determine whether contamination is present (Part V.A.3). The Department will notify the Permittee in writing of the final determination as to the status of the newly discovered or suspected site.
 - (3) Depending upon the type of discovery, notification requirements of Part I.12.b may also be required.
- d. The Permittee shall comply with the "Notices" provisions of Rules 62-780.220, F.A.C., and 62-730.225, F.A.C.
 - (1) Prior to performing field activities. The Permittee shall notify the Department if there is a date change in scheduled field activities.
 - (2) When contamination beyond the facility boundary is confirmed by laboratory analysis.

- (3) When a Temporary Point of Compliance (TPOC) is established beyond the boundary of the source property in conjunction with monitored natural attenuation or active remediation.
 - (4) When a fifth-year update to the status of a TPOC is issued.
 - (5) By placing warning signs at facilities where there may be a risk of exposure to the public of environmental media contaminated with hazardous waste.
- e. The Permittee shall give written notice to the Department's RCRA manager at least 15 days prior to physical alterations or additions to the facility that could affect activities covered by this permit. The notice shall include a summary description of the project, an evaluation of the effect it will have on: the operation of a hazardous waste facility, postclosure care, the ability to investigate contamination at or from a contaminated site, and an evaluation of the effect it might have on the known or suspected contamination.
- f. Operating and Postclosure Permittees that generate hazardous waste, and all HSWA Corrective Action Permittees that are also a large quantity generator (LQG) of hazardous waste, shall submit a Biennial Report covering facility activities during the previous calendar year by March 1 of each even numbered year pursuant to Chapter 62-730, F.A.C.

13. The Permittee shall comply with the following recordkeeping requirements:

- a. Upon request, the Permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The Permittee shall hold all information required by the permit at the facility or other location designated by this permit. This includes records of all monitoring information (including all calibration and maintenance records and all original recordings for continuous monitoring instrumentation); copies of all reports; records of all data used to complete the permit application; and all monitoring data required by 40 CFR Part 264 and Part IV and when applicable, Part VI of this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule. Any Remedial Action Plan as applicable for each contaminated site and associated cost estimate(s) shall be held until a Site Rehabilitation Cleanup Order is issued.
- c. Records of monitoring information shall include all required items in Chapter 62-160, F.A.C., and the following information:
 - (1) The date, exact place, and time of sampling or measurements.
 - (2) The person responsible for performing the sampling or measurements.
 - (3) The dates that analyses were performed.
 - (4) The person responsible for performing the analyses.
 - (5) The analytical techniques or methods used.
 - (6) The results of such analyses.

- d. If the Permittee generates hazardous waste, the Permittee shall retain a copy of all notices, certifications, demonstrations, waste analysis data, and other documentation produced to comply with land disposal restrictions (40 CFR Part 268 and Rule 62-730.183, F.A.C.) for at least three years from the date that the waste which is the subject of such documentation was last sent to an on-property or off-property facility for treatment, storage, or disposal, or until remedial activity is completed, whichever date is later. These periods may be extended by request of the Department at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility.
14. Within the timeframe requested by the Department, the Permittee shall furnish any information required by law which is needed to determine compliance with the permit. If the Department's request does not include a timeframe, the time of response is 30 days. If the Permittee becomes aware that the relevant facts were not submitted or were incorrect in the permit application or any report submitted to the Department, such facts or information shall be corrected promptly.
15. Except as otherwise specifically provided in this permit, all submittals in response to permit conditions shall be provided as described below. Submittals may be directed to alternative addresses (*i.e.* electronic submittal) and will not require a permit modification. Technical submittals (*e.g.* workplans, reports) provided in digital format must be in optical media format (CD or DVD) or through a secured internet port (*i.e.* username/password encryption) when one is available.
- Environmental Administrator
Florida Department of Environmental Protection
Hazardous Waste Program and Permitting
2600 Blair Stone Road, M.S. 4560
Tallahassee, Florida 32399-2400
16. All documents submitted pursuant to the conditions of this permit shall be accompanied by a cover letter stating the name and date of the document submitted, the number(s) of the Part(s) and Condition(s) of the permit affected, the E.P.A. I.D. number, and the permit number and project name of the permit involved.
17. All documents proposing modifications to the approved permit and involving the practice of engineering must be submitted to the Department for review and be signed, sealed, and certified by a Professional Engineer registered in the State of Florida, in accordance with Chapter 471, F.S., and Subsection 62-730.220(9), F.A.C. All submittals incorporating interpretation of geological data shall be signed and sealed by a Professional Geologist registered in the State of Florida in accordance with Chapter 492, F.S., and Subsection 62-730.220(10), F.A.C.
18. All work plans, reports, schedules and other documents ("submittals") required by this permit are subject to approval by the Department prior to implementation. The Department will review the submittals and respond in writing. Upon written approval by the Department, the Permittee shall implement all work plans, reports and schedules as

provided in the approved submittal. If the Department disapproves a submittal, the Department will do one of the following:

- a. The Department will notify the Permittee in writing of the reason(s) why the submittal does not contain information adequate to support the conclusion, alternative, plan, proposal or recommendation, or why the conclusion, alternative, plan, proposal or recommendation is not supported by the applicable criteria. In this case, the Permittee shall submit a revised submittal within 60 days of receipt of the Department's disapproval unless an alternative deadline is approved in writing by the Department.
 - b. The Department will revise the submittal, or approve the submittal with conditions, and notify the Permittee of the revisions or conditions. In the case of work plans, the Department may notify the Permittee of the start date of the schedule within the revised or conditionally approved work plan.
19. The Permittee shall revise "Part I – General" of the Application for a Hazardous Waste Facility Permit [DEP Form 62-730.900(2)(a)] and submit the revised form to the Department within 30 days of any changes in the Part I information. Changes in the Part I information may also require changes to the Department's 8700-12FL form.
20. The Permittee may claim that any information required to be submitted by this permit is confidential in accordance with Chapter 403.73, F.S.
21. This permit is transferable only upon written Department approval in accordance with Rule 62-4.120 and Subsection 62-730.290(6), F.A.C., as applicable. The Permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. Before transferring ownership or operation of this facility during the term of this permit, the Permittee must notify the new owner or operator in writing of the requirements of 40 CFR Part 264 and Chapter 62-730, F.A.C.
22. The following conditions apply to renewal, modification and revocation of this permit:
- a. The Permittee shall submit a complete application for the renewal of this permit a minimum of 180 calendar days before the expiration of the permit. The permit renewal application shall be submitted in accordance with Rules 62-4 and 62-730, F.A.C.
 - b. The Department may modify, revoke, reissue, or terminate for cause this permit in accordance with Chapters 62-4 and 62-730, F.A.C.
 - c. The Permittee may submit any permit modification to the Department for approval. The filing of a request for a permit modification, revocation, reissuance, termination, notification of planned changes, or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any permit condition.
 - d. The Permittee shall submit the application for a permit renewal or modification to the addresses in Part I.15.
- (1) The Permittee shall submit a fee with the permit renewal or modification application that meets the requirements of Rule 62-730.293, F.A.C. A

Permittee choosing to pay the fee on an annual basis shall submit the annual fee payment no later than the anniversary date of permit issuance.

- (2) The Permittee shall submit a copy of the cover letter accompanying the permit renewal or modification application and the fee to the following address:

Florida Department of Environmental Protection
Hazardous Waste Program and Permitting
2600 Blair Stone Road, M.S. 4500
Tallahassee, Florida 32399-2400

- (3) The Permittee shall also submit notification of fee submittal, or notification of annual fee submittal, to the addresses in Part I.15.a., or by an alternate means (e.g., e-mail) as approved by the Department.
- (4) The permit renewal or modification application fee may alternately be submitted electronically. If the Permittee intends to submit the application fee electronically, the Permittee shall obtain instructions from the Department on the proper procedures and shall follow such instructions in making the electronic submittal. Notification per Part I.22.d.(3) is still required.
- e. The timeframes for permit review begin on the date when the Department has received both the permit renewal or modification application and the application fee.
- f. If the Permittee allows this permit to expire prior to Department acceptance of the certification of postclosure and termination of all corrective action, the Permittee must reapply for a permit in accordance with DEP Form 62-730.900(2), F.A.C.
- g. Any request to modify a permit for the treatment, storage, or disposal of hazardous waste generated off-site shall include an evaluation of the applicability of, and Permittee's compliance with, the siting criteria of Section 403.7211, F.S., and Rule 62-730.182, F.A.C.
23. If and when the Permittee intends to transfer parcels to third parties, the Permittee may remove a parcel from the Facility covered by this permit, and the Department will approve the removal of the parcel so long as the parcel never contained a contaminated site, or so long as any contamination associated with the contaminated site has been addressed to the satisfaction of the Department. The Department will approve the transfer or removal of a parcel in writing.
- a. The satisfaction of the Department may be conditioned on a sale with certain legal restrictions on the future use and/or remedial activity requirements on the parcel being transferred.
- b. Following the legal transfer of the property, a permit modification request to transfer the parcel from the permit must be made per Part I.22 within 30 days. A new facility map denoting the current property boundary and new property boundary legal description shall be submitted with the permit modification request.
- c. Even though a parcel is no longer defined as part of the facility as a result of the permit modification (using the minor modification requirements of Subsection 62-730.290(4), F.A.C.), in the event that a previously unknown contaminated site is

found on the parcel, and such contamination resulted from activities which occurred prior to the sale, the Permittee will be responsible for any corrective action along with any other persons who may have legal responsibility for the contamination (see Part V.A.1.b. regarding discovery of a new SWMU).

24. The following conditions apply to land disposal (placement) of hazardous wastes:

- a. 40 CFR Part 268 and Rule 62-730.183, F.A.C., identify hazardous wastes that are restricted from land disposal and defines those limited circumstances under which an otherwise 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 Part 268. Where the Permittee has applied for an extension, waiver, or variance under 40 CFR Part 268, the Permittee shall comply with all restrictions on land disposal under this Part pending final written approval of such application.
- b. Waste identified in 40 CFR Part 268 Subpart C may not be placed in a land disposal unit without treatment unless the requirements of 40 CFR Part 268 Subparts C and/or D are met.
- c. The storage of hazardous wastes restricted from land disposal in 40 CFR Part 268 is prohibited unless the requirements of 40 CFR Part 268 Subpart E are met.

25. The Permittee is not relieved of responsibility to clean up a release that has migrated beyond the facility boundary where off-property access is denied or revoked.

- a. The Permittee shall use all reasonable efforts, including but not limited to correspondence, telephone calls, personal contacts, drafting and redrafting agreements, and payment of a fee, to obtain access to real property necessary for work to be performed in the implementation of this permit.
- b. If necessary access cannot be obtained by the Permittee, or if obtained, is revoked by owners or entities controlling access to the properties to which access is necessary, the Permittee shall notify the Department within five business days of such refusal or revocation. The Department may at any time thereafter seek to obtain such access as is necessary to implement the terms of this permit.
- c. The Permittee shall reimburse the Department for any expenses that the Department is ordered to pay, or that the Department incurs in connection with its efforts to obtain necessary access to said property. The Permittee shall pay these sums to the Department, or arrange a payment schedule with the Department, within 30 days of demand by the Department. Payments shall be performed in accordance to Part I.22.d.

26. The Permittee shall maintain compliance with 40 CFR Part 264, Subpart H - Financial Requirements and Subsection 62-730.180(6), F.A.C. Financial assurance shall be based on estimates of the costs to close the facility and to implement postclosure care and/or corrective action (including the assessment phase and interim measures - collectively referred to hereinafter as "remedial activities") for a continuing (rolling) period of 30 years, unless this period is shortened or increased by the Department in a permit renewal or modification. Federal and State of Florida facilities are exempt from financial assurance requirements.

- a. The cost estimates must be based on the cost to the owner or operator of hiring a third party to conduct remedial activities.
- b. The Permittee shall include cost estimates with every work plan required by this permit. Cost estimates are subject to review and written approval by the Department
- c. In the event the total cost estimate for all remedial activities exceeds the amount provided by Permittee, the financial assurance instrument(s) must be increased accordingly within 60 days of the exceedance, or, for those facilities using a financial test, in the next scheduled submittal.
- d. If the cost estimate increase causes the inability of the facility to provide financial assurance through its currently selected mechanism, alternate financial assurance must be provided within 60 days.
- e. All submittals relating to financial assurance shall be submitted to the following address. Where financial institutions allow digital submissions, alternate submittal mechanisms may be used without requiring a permit modification.

Financial Assurance
Florida Department of Environmental Protection
Hazardous Waste Program and Permitting
2600 Blair Stone Road, M.S. 4560
Tallahassee, Florida 32399-2400

27. Any dispute resolution will be conducted in accordance with Chapter 120, F.S. (Administrative Procedure Act), Chapter 28-106, F.A.C., and the Department's existing rules and procedures.

PART II – OPERATING CONDITIONS

Part II Subpart A – General Operating Conditions

1. The Permittee shall comply with those sections of 40 CFR Part 124 specified in Subsection 62-730.200(3), F.A.C., 40 CFR Parts 260 through 268, and 40 CFR Part 270 as adopted in Chapter 62-730, F.A.C., until all hazardous waste permitting operations have ceased and the facility has been closed and released from postclosure care requirements and all facility-wide corrective action requirements.
2. The Permittee shall comply with the manifest requirements of 40 CFR 264.71 and 264.72. All manifests, both electronic and paper, must be submitted to EPA's Hazardous Waste Electronic Manifest (e-Manifest) System. The Permittee must document the reconciliation of any manifest discrepancies.
3. The Permittee shall comply with the import and export provisions of 40 CFR 262 Subpart H, the notification requirements of 40 CFR 264.12, and maintain all applicable records for Department inspection.
4. The owner or operator of a facility that is authorized by the Department to receive hazardous waste from an off-site source (except where the owner or operator is also the

generator) must inform the generator in writing that he has the appropriate permit(s) for, and will accept, the waste the generator is shipping.

- a. The Permittee that receives hazardous waste from an off-site source shall comply with the following notification and reporting requirements:
 - (1) Unmanifested Waste Report: The Permittee shall submit an Unmanifested Waste Report to the Department within 15 days of receipt of unmanifested waste.
 - (2) Manifest Discrepancy Report: If a significant discrepancy in a manifest is discovered, the Permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the Permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.
5. Sampling and analysis of permitted and new hazardous wastes shall be conducted in accordance with the Waste Analysis Plan of the permit application.
 - a. The Permittee is liable for waste profiles supplied by generators.
 - b. Prior to acceptance of new waste codes, a permit modification per Condition I.22 is required. The need for a substantial modification should be evaluated using the criteria in Subsection 62-730.182(4), F.A.C.
6. The Permittee shall comply with 40 CFR 264.17, 264.176, and 264.198, with respect to ignitable and reactive wastes. The Permittee shall comply with 40 CFR 264.17, 264.177 and 264.199, with respect to incompatible wastes.
7. If this facility has suspected or confirmed environmental contamination where there may be a risk of exposure to the public, then upon direction from the Department the Permittee must comply with the warning sign requirements of Section 403.7255, F.S. and Rule 62-780.220, F.A.C. The Permittee is responsible for supplying, installing and maintaining the warning signs.
8. The Permittee shall comply with the security provisions of 40 CFR 264.14 and the facility security provisions of the permit application.
9. Facility personnel must successfully complete the approved training program indicated in the permit application, within six months of employment or assignment to a facility or to a new position at the facility. Verification of this training must be kept with the personnel training records and maintained at the facility. Personnel shall not work unsupervised until training has been completed. The training must be reviewed by facility personnel at least annually. The Permittee shall maintain an updated list of personnel handling hazardous waste and their respective job titles at the facility.
10. The Permittee shall maintain and operate the facility to minimize the possibility of fire, explosion or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

11. The Permittee shall comply with the following conditions concerning preparedness and prevention:

- a. At a minimum, the Permittee shall have the equipment available at the facility which is described in the Prevention and Preparedness Plan (PPP) of the permit application. The Permittee shall visually inspect and maintain the facility emergency and safety equipment (40 CFR 264.32) listed in the PPP, in accordance with 40 CFR 264.15, 40 CFR 264.33 and the permit application, during permitted activities. The Permittee shall remedy any deterioration or malfunction discovered by an inspection, in accordance with the requirements of 40 CFR 264.15(c). A schedule for the inspection of the facility emergency and safety equipment must be maintained in the operating record of the facility. Changes, additions, or deletions to the schedule must be approved in writing by the Department.
- b. The Permittee shall maintain immediate access to an internal communications or alarm system, fire protection equipment, spill control equipment and decontamination equipment.
- c. The Permittee shall maintain arrangements with State and local authorities as required by 40 CFR 264.37, and with local medical facilities and emergency response personnel. If State or local officials refuse to enter into preparedness and prevention arrangements with the Permittee, the Permittee must document this refusal in the operating record. Authorities/facilities include local fire and police departments, sheriff's office, state police, hospitals, ambulance services and emergency medical technicians, and state and local emergency response centers.
- d. The Permittee shall maintain aisle space, as required pursuant to 40 CFR 264.35, to allow the unobstructed movement of personnel, fire protection, and emergency response equipment to any area of the facility.

12. The Permittee shall comply with the following conditions concerning the Contingency Plan (CP):

- a. The Permittee shall immediately carry out the provisions of the permit application and follow the emergency procedures described by 40 CFR 264.56, whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which threatens or could threaten human health or the environment. The Permittee shall give proper notification if an emergency situation arises and, within five calendar days, must submit to the Department's RCRA Manager a written report which includes all information required in Condition I.12.b.
- b. The Permittee shall comply with the requirements of 40 CFR 264.53. Electronic copies of the CP must be submitted to the authorities/facilities in Condition II.A.11.c., provided the entity has the capability to receive electronic submittals.
- c. Within seven calendar days of meeting any criterion listed in 40 CFR 264.54(a), (b) or (c), the Permittee shall amend the plan and submit the amended plan for Department approval. Any other changes to the plan must be submitted to the Department within seven days of the change. Amendments to the plan must be

- approved in writing by the Department. All approved amendments or plans must be distributed to the State and local authorities in Condition II.A.11.c.
- d. The Permittee shall comply with the requirements of 40 CFR 264.55, concerning the emergency coordinator.
 - e. The Permittee shall perform at a minimum, an annual review of the Contingency Plan to ensure that it is up to date and contains current information. The date of review should be noted in the written operating record at the facility.
13. The Permittee shall develop and maintain a Waste Minimization Program Plan. The Permittee shall maintain copies of the certification required by this Condition in the facility operating record for a minimum of three years. The Permittee must certify, no less often than annually, the following per 40 CFR 264.73(b)(9):
- a. The Permittee has a program in place to reduce the volume and toxicity of hazardous waste generated to the degree determined by the Permittee to be economically practicable.
 - b. The proposed method of treatment, storage or disposal is the most practicable method available to the Permittee, which minimizes the present and future threat to human health and the environment.
14. The Permittee shall keep a written operating record at the facility that includes the following:
- a. The results of any waste analysis.
 - b. Copies of hazardous waste manifests for three years. For e-manifests, this condition is satisfied by the retention of the facility's electronic manifest copies in its account on the e-Manifest system, provided such copies are readily available for viewing and production if requested by the Department inspector.
 - c. The results of inspections.
 - d. The closure plan, postclosure plan, and remedial action (corrective measures) plans as applicable for each contaminated site, along with cost estimates for each plan.
 - e. Inspections of emergency and safety equipment.
 - f. Biennial reports.
 - g. Personnel training records.
 - h. The Waste Minimization Program Plan and annual certification of waste minimization.
 - i. The description and quantity of each hazardous waste received or generated.
 - j. The location and quantity of each hazardous waste within the facility.
 - k. Notices to generators as specified in 40 CFR 264.12(b).
 - l. A log of dates of operations and unusual events.
 - m. A summary report and details of incidents that require implementation of the contingency plan.
 - n. The date of annual review of the Contingency Plan.
 - o. Monitoring and test data for 40 CFR 264 Subparts AA, BB, and CC requirements.
 - p. Documentation that local officials have refused to enter into preparedness prevention arrangements with the Permittee, when applicable.

15. Where a provision in Chapter 62-780, F.A.C., conflicts with a specific, applicable requirement of 40 C.F.R. Part 264, the C.F.R. provision controls (Paragraph 62-730.225(1)(a), F.A.C.).

Part II Subpart B – Specific Operating Conditions

1. The Permittee's current approved Prevention and Preparedness Plan is the Emergency and Disaster Response Operations Plan (EDROP, Revision 28) dated December 2020 or most recent revision approved by the Department.
 - a. At a minimum, the "State and local authorities" for this condition shall include:
 - i. Wakulla County Sheriff Department (Primary emergency management authority and central dispatch for outside emergency medical, firefighting, and law enforcement response for Wakulla County, Florida.), and
 - ii. The Permittee's Emergency Response Contractor.
 - b. Copies of the most current Department-approved EDROP shall be distributed to the first responders in Part II.B.1a. An electronic copy should be distributed if the first responder has the capabilities to accept and use the electronic copy.
 - c. The Permittee shall perform at a minimum, an annual review of the EDROP to ensure that it is up to date and contains current information. The date of review should be noted in the written operating record at the facility.
2. The Permittee is allowed to thermally treat, in the burn pans and popping kettle, only the following wastes described in Section II.A.5 Waste Analysis Reports and Table II.A.6-2 Waste Material Expected to be Treated at the OBU of the Hazardous Waste Facility Permit Application dated December 2020:
 - a. Group 1 Propellants. This group includes BALL POWDER™ and materials mixed with the BALL POWDER™.
 - b. Group 2 Devices. These materials consist of spent shell cases with primers, tracers and primers. Under no circumstances will any lead or lead core bullets be allowed to be treated.
 - c. Group 3 High Explosives. Waste liquid high explosive such as nitroglycerine shall be absorbed on wood flour to reduce the sensitivity prior to treatment.
 - d. Non-hazardous Debris
 - i. Small quantities of paper towels and wooden sticks that are contaminated with trace amounts of propellants and lacquers.
 - ii. Other similar non-hazardous debris approved by the Department.
3. The Permittee is prohibited from treating waste streams at the OBU that are not identified and described in Condition 2 of this Subpart.
4. The Permittee shall not thermally treat more than 1,160 pounds of hazardous material on any single day.
5. The Permittee shall not exceed the batch size of 810 pounds in any one of the burn pans.
6. The Permittee shall comply with waste compatibility requirements of 40 CFR 264.17(b).

7. All of the hazardous waste destined for thermal treatment shall be collected, transported, placed on the burn pad(s) and treated in accordance with the Dry Line Production Standard Operating Procedure Burning Grounds (St. Marks Powder SOP-27, Rev. 20 dated October 21, 2021 as in the permit application). The Permittee shall review SOP-27 (Revision 20 dated October 21, 2021) on an annual basis. SOP-27 must be updated as necessary to reflect new developments associated with the design or operation of the OBU.
8. The Permittee shall comply with the following requirements prior to thermal treatment:
 - a. The Permittee shall conduct inspections of the OBU on each day of thermal treatment and weekly when the unit is not in operation. The Open Burn Unit Safety Checklist and Inspection Form (St. Marks Powder Form F-309 as in the permit application) shall be completed during each inspection.
 - b. In the event that untreated reactive and/or combustible material is found in the burn pans or popping kettle, it must be re-treated and the treatment method re-evaluated to determine the reason why the initial treatment was incomplete.
 - c. Waste shall not be placed on the pad unless the pad has been cleared of residue from the previous thermal treatment event. Residue from a previous event shall be removed and placed into compatible containers for off-site disposal.
 - d. Waste may be placed on the OBU pad only when a thermal treatment event is initiated within the next four (4) hours. For the purposes of compliance, initiation is defined at SOP-27 item 8.2.1.1.
9. Thermal treatment must *not* be accomplished under the following conditions:
 - a. After sunset or before sunrise;
 - b. If the wind velocity is greater than 15 mph;
 - c. If electrical storms are within 3 miles of the OBU;
 - d. If meteorological authorities are predicting inversions, low cloud cover or other unfavorable or adverse weather conditions within 24-hours prior to or during planned open burn events;
 - e. During periods of reduced visibility, i.e., if the treatment cannot be observed from the Control Room; and
 - f. If a power outage exists.
10. On the day of each scheduled thermal treatment event and prior to transporting the waste to the OBU the Permittee shall verify and record the meteorological conditions listed in the Specific Condition 8 of this Part using the Meteorological Conditions for the OBU (St. Marks Powder Form F-301 as in the permit application).
11. Thermal treatment of the hazardous waste shall be conducted by qualified personnel experienced in handling and treating the reactive wastes.
12. The Permittee shall implement appropriate remedial actions for the problems discovered during the inspections conducted pursuant to Specific Condition 8 of this Part. For problems that cannot be remediated within 48 hours, the permittee shall notify the Department within three (3) working days of discovery and follow up with a written

report within 14 days of discovery. The report must include descriptions of the remedial actions taken. The Permittee shall cease operation of the OBU until the problems are appropriately resolved.

13. The Permittee shall maintain compliance with the environmental performance standards listed in 40 CFR 264.601 at all times.
14. Energetic waste not listed on Table II.A.6-2 of the application may require a permit modification prior to thermal treatment in the OBU. Prior to thermal treatment of such wastes, the Permittee shall:
 - a. Determine if there is an alternate management option for the waste other than open burning.
 - b. Determine whether the waste is suitable for treatment by open burning.
 - c. Determine the appropriate EPA hazardous waste code(s).
 - d. Determine whether the new energetic waste contains constituents that are not identified Part IV Subpart D – Cleanup Target Levels (CTLs) and whether or not the constituents have CTLs identified in Chapter 62-777, F.A.C.
 - e. Based upon a-e above, consult with the Department to determine if a permit modification is required.

Compliance Schedule

15. The Permittee shall submit an updated Risk Assessment to the Department no later than 180 days after permit issuance, March 11, 2022. The risk assessment shall include a human health and ecological risk assessment and updated air modelling to support the environmental performance standards required by 40 CFR 264.601.

Part II Subpart C – Closure Conditions

1. The Permittee shall close the Open Burn Unit in a manner that minimizes or eliminates, to the extent necessary to protect human health and the environment, postclosure escape of hazardous waste, hazardous waste constituents, hazardous waste decomposition products, contaminated leachate or run-off to the groundwater, surface waters, or to the atmosphere (40 CFR Part 264.111).
2. The Permittee shall have a written Closure Plan as required by 40 CFR 264.112(a). The Closure Plan and all revisions to the plan must be kept at the facility until closure is completed, certified in accordance with 40 CFR 264.115, and accepted by the Department.
3. Modifications to the approved Closure Plan shall be in accordance with the requirements of 40 CFR 264.112(c) and Rule 62-730.290, F.A.C.
4. The Permittee shall notify the Department within seven calendar days of any determination that actions undertaken as part of closure or associated monitoring programs no longer satisfy the requirements set forth in this permit. If the Department determines that a modification of the permit is required, the Permittee shall, within 60 calendar days of notice by the Department, submit an application for a permit modification in accordance with Part II.C.3.

5. Within 90 days after receiving the final volume of hazardous waste or upon notification by the Department that closure of a unit is required, the owner or operator must treat or remove from the unit all hazardous waste.
6. The Permittee shall complete closure activities within 180 days after notification to the Department of closure and in accordance with the closure schedule in the permit application. Any changes in the time allowed for closure activities or reporting requirements shall require prior written Department approval. At least 30 calendar days prior to initiating physical closure activities, the Permittee shall prepare and submit a Closure Activities Report.
 - a. The Closure Activities Report will be in columnar format (*i.e.* a table or spreadsheet) with columns for "closure activity," "schedule date," and "completed date."
 - b. The Closure Activities Report shall be maintained and updated by the Permittee throughout the closure period, with copies submitted monthly to the Department, unless an alternate submittal schedule is approved by the Department in writing. Each report must be submitted to the Department by the tenth day of each month for the preceding month until the acceptance of physical closure by the Department. These reports can be submitted electronically.
 - c. Any deviation from the schedule or described tasks shall be fully documented in the Closure Activities Report.
7. The Permittee shall notify the Department 45 days prior to the date on which the Permittee expects to begin partial or final closure of a unit(s).
8. The Permittee shall properly decontaminate or dispose of all equipment, structures, and residues used during or resulting from the closure activities.
9. The Permittee shall manage all hazardous wastes, residues, sludges, spilled or leaked waste, or contaminated liquids and soils removed during closure of the unit(s) in accordance with the applicable provisions of 40 CFR Parts 260 through 268, including the manifest requirements. A copy of each manifest required as a result of closure activities shall be submitted to the Department with the Closure Certification.
10. The Permittee shall provide opportunities for site inspections by the Department by informing the Department at least seven days in advance of any major physical closure activity (*e.g.*, unit decontamination or removal, cap installation, soil sampling, soil removal, etc.).
11. Within 30 days of determining that all contaminated soil cannot be practically removed or decontaminated, the Permittee shall notify the Department of such determination. Within 90 days of the determination the Permittee shall submit an application for permit modifications to close the facility as a landfill (land disposal unit) and perform postclosure care as required by 40 CFR 264.
12. Within 60 calendar days of the completion of closure, the Permittee shall submit to the Department, by certified mail or hand delivery, a Closure Certification Report signed by the Permittee and an independent Professional Engineer registered in the State of Florida,

stating that the unit has been closed in compliance with the Closure Plan and the conditions of this permit. The Closure Certification must be based on the Professional Engineer's own observation and knowledge of the closure activities. The Closure Certification Report must include, but not be limited to the following:

- a. Environmental sampling data to verify closure activities.
 - b. Decontamination data.
 - c. Copies of manifests or other appropriate shipping documents for removal of all hazardous wastes and all contaminated residues.
 - d. A description of final closure activities.
 - e. A final Closure Activities Report (Condition II.C.6 of this Subpart).
13. Within 30 calendar days of submitting a Closure Certification Report for a land disposal unit, including a land disposal unit identified under Part II.C.11, the Permittee shall submit to the Department and to the local zoning authority, or the authority with jurisdiction over local land use, a survey plat indicating the type, location, and quantity of hazardous wastes disposed of within the unit with respect to permanently surveyed benchmarks in accordance with 40 CFR 264.116. For hazardous wastes disposed of before January 12, 1981 the owner or operator must identify the type, location, and quantity of the hazardous wastes to the best of the Permittee's knowledge and in accordance with any existing records. This notice is in addition to the requirement to execute a formal land use control (*e.g.*, a restrictive covenant) in order to obtain a site rehabilitation completion order based on restricted exposure risk assumptions under Chapter 62-780, F.A.C.

Part II Subpart D – Specific Closure Conditions for the OBU

1. The Permittee shall notify the Department within seven (7) days after a decision is made to close the OBU.
2. The OBU Closure Plan shall be updated and submitted to the Department within 30 days after the notification in Specific Condition 1 of this Subpart that includes:
 - a. Procedures for meeting any new and current regulations;
 - b. Proposed changes in the current closure plan; and
 - c. Recommended changes based upon new and current Department or EPA guidance documents.

PART III – POSTCLOSURE CONDITIONS

Part III Subpart A – General Postclosure Conditions

1. If clean closure cannot be achieved in groundwater and/or soil, postclosure care will be implemented upon completion of closure (or upon permit issuance/modification if the unit has closed) of the Old Sludge Pile (OSP) and Open Burn Unit (OBU) as follows below:

- a. The Permittee shall begin postclosure for a rolling 30-year period after the acceptance of the certification of closure in accordance with 40 CFR 264.117(a) and in accordance with the Postclosure Plan, in the application.
 - b. The Permittee shall never disturb the final cover or any other components of the associated structures unless obtaining prior written Department authorization pursuant to 40 CFR 264.117(c).
 - c. The Permittee shall ensure that all postclosure care activities are conducted in accordance with a Department approved Postclosure Plan prepared in conjunction with 40 CFR 264.118.
2. The Permittee shall annually evaluate and report the effectiveness of postclosure care. The Permittee may apply for a shortened postclosure care period in accordance with 40 CFR 264.117(a)(2)(i). However, the Department may also extend the postclosure care period if it is determined that the extended period is necessary to protect human health and the environment in accordance with 40 CFR 264.117(a)(2)(ii).
3. The Permittee shall comply with those sections of 40 CFR Part 124 specified in Rule 62-730.200(3), F.A.C., 40 CFR Parts 260 through 268, and 40 CFR Part 270 as adopted in Chapter 62-730, F.A.C., until all hazardous waste permitted operations have ceased and the facility has been closed and released from postclosure care requirements and all facility-wide corrective action requirements.
4. During postclosure the Permittee shall submit to the Department a completed inspection log describing results of inspections and remedial actions taken in maintaining the final cover, containment structures, groundwater monitoring equipment, surveying benchmarks and security devices in order to comply with 40 CFR 264.117(a). These logs shall be submitted as a component of an Environmental Monitoring or Remedial Action Status Report as required in Part IV and VI of this Permit. The reporting conditions and inspection periods can be changed with prior written Department approval and will not require a permit modification.
5. The Permittee shall keep a copy of the Postclosure Plan and all revisions to the plan at the facility or at another location approved by the Department until postclosure care is completed and certified in accordance with 40 CFR 264.120 and accepted by the Department.
6. Any proposed amendments to the Postclosure Plan shall be submitted to the Department for review and written approval. Proposed amendments can be submitted within the combined reports referenced in Part III.A.4.
7. The Permittee shall notify the Department's RCRA Manager in writing or via e-mail if any damage to the final cover occurs. Damage subject to this notification will be that requiring repair or replacement, not maintenance. Notification describing repairs taken shall be given after damage has been corrected, or within seven calendar days from the date the damage was detected, whichever occurs first. Description of repairs taken shall be submitted in writing or via e-mail to the Department within seven calendar days of the completion date.

8. If this facility has suspected or confirmed environmental contamination where there may be a risk of exposure to the public, then upon direction from the Department the Permittee must comply with the warning sign requirements of Section 403.7255, F.S. The Permittee is responsible for supplying, installing and maintaining the warning signs.
9. The Permittee shall comply with the security provisions of 40 CFR 264.14 and the facility security provisions of the permit application. Release from the security provisions requires a demonstration that such are no longer necessary and require written Department approval.
10. The Permittee shall comply with the following conditions concerning preparedness and prevention. Release from the preparedness and prevention provisions requires a demonstration that such are no longer necessary and require written Department approval.
 - a. At a minimum, the Permittee shall have the equipment available at the facility which is described in the permit application. The Permittee shall visually inspect the facility emergency and safety equipment in accordance with 40 CFR 264.15 and of the permit application, during permitted activities. The Permittee shall remedy any deterioration or malfunction discovered by an inspection, in accordance with the requirements of 40 CFR 264.15(c). A schedule for the inspection of the facility emergency and safety equipment must be maintained in the operating record of the facility. Changes, additions, or deletions to the schedule must be approved in writing by the Department.
 - b. The Permittee shall test and maintain the required equipment as necessary to assure its proper operation in time of emergency.
 - c. The Permittee shall maintain immediate access to an internal communications or alarm system.
 - d. The Permittee shall maintain arrangements with State and local authorities as required by 40 CFR 264.37. If State or local officials refuse to enter into preparedness and prevention arrangements with the Permittee, the Permittee must document this refusal in the operating record.
11. Within 60 calendar days from the completion of the postclosure care period, the Permittee shall submit to the Department by certified mail or hand delivery, a letter signed by the Permittee and an independent Professional Engineer, registered in the state of Florida, stating that the postclosure care of the Hazardous Waste Management Area was performed in accordance with the specifications in the Department approved Postclosure Plan.

Part III Subpart B – Specific Postclosure Conditions

1. Upon permit issuance, the Permittee shall continue postclosure care for the Old Sludge Pile that began on May 8, 1997 and continue for 30 years (until May 8, 2027) in accordance with 40 CFR 264.117(a) and in accordance with the Old Sludge Pile Post Closure Plan (Section II.K.2).
2. The Postclosure Inspection Checklists for the Old Sludge Pile shall be retained at the facility and made available for inspections. Inspections shall be conducted monthly. If

any inspection identifies a condition that requires an action to be taken, the completed checklist identifying the condition and action shall be submitted to the Department within seven calendar days of the inspection.

3. An annual inspection for the Old Sludge Pile shall be conducted by a facility engineer in December of each year to verify compliance with the October 15, 2009 Declaration of Restrictive Covenant. A letter report documenting compliance shall be completed by each December 31, retained at the facility and made available for inspections. If an annual inspection identifies a condition that requires an action to be taken, the completed checklist identifying the condition and action shall be submitted to the Department within seven calendar days of the inspection but no later than December 31.
4. The 2026 permit application renewal must propose to extend the postclosure care period for the OSP unless the Permittee justifies shortening the postclosure care period per §264.117(a)(2)(i) and the justification is accepted by the Department.

Part III Subpart C – Specific Postclosure Conditions for the Open Burn Unit (OBU)

1. The OBU Postclosure Plan shall be updated and submitted to the Department within 30 days after the notification required by Part II Subpart D Specific Condition 1 that includes:
 - a. Procedures for meeting any new and current regulations;
 - b. Proposed changes in the current Postclosure plan; and
 - c. Recommended changes based upon new and current Department or EPA guidance documents.
2. Postclosure care for the OBU will begin upon the Department's acceptance of the Certification of Closure for the OBU.

PART IV – ENVIRONMENTAL MONITORING CONDITIONS

Part IV Subpart A – General Environmental Monitoring Conditions

1. Environmental monitoring is performed to conduct detection monitoring, ensure that the extent of contamination remains delineated, or to track the progress of corrective action. Monitoring is a dynamic activity and decisions on future actions are dependent upon prior results and site-specific conditions. The ability to alter a monitoring plan based on results and site-specific conditions is essential to a comprehensive and efficient monitoring program. Changes to the Environmental Monitoring Plan (EMP) conditions that follow can be made with written Department approval and will not require a permit modification. The Permittee shall continue to implement the approved EMP.
2. Part IV.A.3 identifies the required elements of a comprehensive EMP. An EMP is comprised of both relatively static and more frequently changing components. EMP components that may frequently change are described in Part IV.A.11 and are to be reported in Environmental Monitoring Reports (EMRs); the most current EMR represents the most current EMP. The Permittee shall ensure that all remaining EMP components are included in the EMR or clearly identified and referenced in the EMR. Note that some

items may be more dynamic in nature on a site-specific basis, *e.g.*, some items in Part IV.A.3.e.

3. The EMP must address all environmental media as necessary, including groundwater, sediment, soil, and surface water. The EMP, including future revisions, must include the following elements at a minimum. Facilities with a monitoring program in place, but lacking a provision below, will submit identified provisions within 60 days of notification by the Department, or in the next Environmental Monitoring Report as directed.
 - a. The EMP shall include a map(s) showing all contaminated sites, any SWMUs and AOCs in detection monitoring, and associated monitoring wells and piezometers (including recovery or extraction, point of compliance, Temporary Point of Compliance, and background wells), surface water features pertinent to the contaminated site and surface water sampling locations, and any areas subject to soil or sediment sampling. Contaminated sites are the SWMUs and AOCs listed in Appendices A.2, A.3, and A.4.
 - b. A map(s) showing all SWMUs and AOCs shall be submitted to the Department and incorporated by reference into the EMP. The map shall be updated within 60 days of the discovery of a new SWMU or AOC (Part V.A.1.b.).
 - c. Well construction information for each well and piezometer in the EMP shall be submitted to the Department and incorporated by reference into the EMP. Well construction information shall also be submitted in an electronic format (*e.g.*, spreadsheet) for inclusion in the Department's WACS database (or its successor). Location of each well or piezometer shall be provided in latitude and longitude. Information on new wells and piezometers shall be submitted within 30 days of installation.
 - d. The EMP shall include a table or tables listing all wells and piezometers to be sampled (or potentially sampled based on results) or measured, surface water sampling locations, and soil or sediment sampling locations (or methods for choosing locations such as grid-based) and the following information for each:
 - (1) Well or piezometer depth, screened interval, surveyed ground surface elevation and surveyed top of casing elevation; surface water sampling depth(s), and soil and sediment sampling intervals.
 - (2) The regulatory status of each well or piezometer, such as assessment, extraction or recovery, point of compliance, Temporary Point of Compliance, or background well.
 - (3) The frequency of sampling for each location (in all media), such as annual, semiannual, bi-annual, not currently sampled.
 - (4) Wells where groundwater level elevations will be measured (but not sampled).
 - (5) Contaminants of concern to be sampled.
 - e. The EMP shall include the following information concerning quality assurance and the laboratory practices:
 - (1) A statement that all sampling and analysis activities will comply with Rule 62-160.110(5), F.A.C.

- (2) A statement that all analyses will be conducted by a laboratory accredited by the National Environmental Laboratory Accreditation Program (NELAP) and certified by the Florida Department of Health.
 - (3) A table of proposed constituents, matrices, and analytical methods.
 - (4) A table of proposed purging and sampling methods.
 - (5) A statement that all records of monitoring information shall include all required items in Chapter 62-160, F.A.C., and Part I.13.c.
 - (6) A statement that all laboratory data will be submitted using the ADaPT quality assurance software.
 - (7) A statement that the sampling crew will follow the Department's most recent Standard Operating Procedures (SOPs) or other sampling program approved pursuant to Chapter 62-160, F.A.C.
 - f. The EMP must describe how investigation derived wastes will be managed.
 - g. The EMP shall include provisions for maintaining well integrity (well repair and redevelopment) and well security including locks for each well. The Permittee may demonstrate that facility security provisions negate the need for locks at a well(s), subject to Department written approval. All wells beyond the facility property boundary must be kept secure and locked when unattended.
 - h. The EMP shall include a schedule for periodic submission of Environmental Monitoring Reports.
4. Wells used as part of an approved EMP may be abandoned with Department approval. The Permittee shall abandon wells in accordance with the requirements of Subsection 62-532.500(5), F.A.C.
 5. The Permittee shall measure groundwater elevations every time any well is sampled as part of the approved EMP. All groundwater elevations must be measured within the same 24-hour period and prior to the sampling event. These data shall be used to determine the horizontal and vertical groundwater flow direction and flow rate for each monitoring period.
 6. Total depths of all sampled wells must be determined by physical measurement to the closest 0.01-foot increment annually each year to determine if siltation has occurred in any well. Wells are to be redeveloped as necessary.
 7. The Permittee shall provide the Department with opportunities to observe groundwater sampling and split samples by providing notification either by telephone, letter, or electronically at least seven calendar days prior to each sampling event.
 8. In the event a well is damaged and requires repair (not maintenance), the well shall be repaired or replaced within 30 days, or before the next sampling event, whichever occurs first.
 9. All groundwater analyses shall be performed on unfiltered groundwater samples. Analyses on filtered samples may be performed by the facility, but only for its own use, unless shown to be more representative of groundwater conditions [Subsection 62-520.310(5), F.A.C.].

10. All laboratory data will be submitted using the ADaPT quality assurance software. All laboratory datasheets shall be submitted only in electronic format. ADaPT files shall accompany the electronic copy of the EMP and shall be included in a separate folder labeled ADaPT files. The folder will contain a single Laboratory electronic data deliverable (EDD), a Field EDD, and a copy of the error log that contains all data covered by the Report. Additional information on ADaPT is available at the Department's website: <http://www.dep.state.fl.us>.
11. The Permittee shall submit Environmental Monitoring Reports (EMR) in accordance with the schedule in the approved EMP. This report can be submitted in a combined document with any Remedial Action Status Report required in Part VI of this permit. The EMR should contain the following elements:
 - a. A map showing all contaminated sites and associated monitoring wells and piezometers (including recovery or extraction, point of compliance, Temporary Point of Compliance, and background wells), surface water features pertinent to the contaminated site and surface water sampling locations, and any areas subject to soil or sediment sampling (*i.e.*, Part IV.A.3.a.).
 - b. Reports of any necessary repairs or redevelopment of the wells since the last report.
 - c. Maps of groundwater flow direction(s) and plume delineation(s) (if any) on a scaled site map(s) illustrating the degree and extent of groundwater contamination using sufficient isoconcentration lines (Subparagraph 62-780.600(8)(a)(28), F.A.C.), and tables of groundwater elevation and water chemistry data.
 - d. An analysis and evaluation of the current analytical results, including maps, figures, graphs and tables.
 - e. Field sampling logs and associated notes, calibration logs for field equipment, and chain of custody forms.
 - f. Laboratory analytical data sheets for the sampling event(s) (electronic copy only).
 - g. An analysis and evaluation of the comprehensive effectiveness of the environmental monitoring program including recommendations to enhance and refine the EMP (*e.g.*, the addition or deletion of wells from the plan, changes in sampling frequency at a well, or changes in contaminants of concern).
 - h. An updated table(s) containing the information in Part IV.A.3.d. The table shall also indicate the recommendations made in Part IV.A.11.g.
 - i. ADaPT quality assurance electronic files per Part IV.A.10.

Part IV Subpart B – Specific Groundwater Monitoring Conditions Requirements

1. The Permittee shall provide written notice to the Department at least seven (7) days prior to performing field activities such as interim source removal activities, installing monitoring or recovery well(s), performing sampling, installing remediation equipment, or installing an engineering control as required by Subsection 62-780.220(1), F.A.C.
2. The Permittee shall provide written notice to the Department at least thirty (30) days prior to a change in environmental consultants or laboratories. Such changes may require the submittal of a revised Sampling and Analysis Plan and/or other portions of the application in accordance with modification procedures in Part I.22 of this permit.

3. If groundwater elevations indicate a change in groundwater flow direction of the surficial or any other affected aquifer, the Department may require the installation of additional monitoring wells and revisions to the groundwater monitoring programs.
4. The Permittee must initiate additional assessment if any Part IV Subpart E Cleanup Target Levels are exceeded.
5. The OBU and OSP must comply with the Detection Monitoring Program of 40 CFR Part 264.98.

Part IV Subpart C – Specific Groundwater Monitoring Conditions Requirements for the Open Burn Unit (OBU)

1. At the time of permit issuance, the OBU is in the Detection Monitoring Program required by 40 CFR 264.98.
2. The Waste Management Area [40 CFR 264.95(b)] for the OBU shall be designated by an imaginary line circumscribing the miscellaneous unit (Attachment B).
3. The Point of Compliance (POC) (40 CFR 264.95(a)) for the OBU shall be the southwest, southeast and northwest sides of the OBU.
4. The groundwater monitoring wells shall be (Attachments B and C):
 - a. MW-2 (aka BG-MW02) background well
 - b. OLI-1 (POC well)
 - c. OLI-2 (POC well)
 - d. OLI-3 (POC well)
5. Surface water sampling locations shall be (Attachment B):
 - a. OSWBG-1 (background)
 - b. OSW-1
 - c. OSW-2
 - d. OSW-3
6. POC wells, the background well and the surface water sampling locations shall be sampled in March and September of each year for the following parameters: Methylene Chloride, Benzene, 2,4-DNT, 2,6-DNT, Nitroglycerine, HMX, RDX, Diphenylamine, n-Nitrosdiphenylamine, Lead, Nitrate + Nitrite as N, Nitrate as N by calculation, and Nitrocellulose as N. Field Parameters pH, temperature, specific conductivity and turbidity must be measured during each sampling event.
7. Environmental Monitoring Reports for the March semiannual monitoring events shall be submitted to the Department no later than May 30 of each year and for the September semiannual monitoring events shall be submitted to the Department no later than November 30 of each year.
8. If groundwater or surface water contamination is confirmed, the Permittee may be required to sample sediments in the moat surrounding the OBU.

9. The Permittee's 2026 permit renewal shall contain the following information:
- a. Results of the five-year soil sampling event at the OBU. Prior to soil sampling, the Permittee shall consult with the Department on locations, depths and parameters to analyze.
 - b. Groundwater and surface water monitoring results of the OBU to ensure that the closure procedures and cap continue to prevent the escape of hazardous constituents, contaminated run-off, or hazardous waste decomposition products to the groundwater and surface waters. The constituents, decomposition products and treatment residues that are known or expected to be in the original and current OBU wastestreams that must be reported are:
 - i. Table II.A.5-3A Thermal Treatment Residues Analysis
 - ii. Table II.K.1-1 Target Analyte List for Closure
 - iii. 4-amino-2,6-dinitrotoluene
 - iv. 2-amino-4,6-dinitrotoluene
 - v. 1,3-dinitrobenzene
 - vi. Methyl-2,4,6-trinitrophenylnitramine (tetryl)
 - vii. Nitrobenzene
 - viii. 2-nitrotoluene
 - ix. 3-nitrotoluene
 - x. 4-nitrotoluene
 - xi. 1,3,5-trinitrobenzene
 - xii. 2,4,6-trinitrobenzene
 - xiii. diesel
 - xiv. ethyl acetate
 - xv. polyurethane

Part IV Subpart D – Specific Groundwater Monitoring Requirements for RCRA the Old Sludge Pile (OSP)

1. At the time of permit issuance, the OSP is in the Detection Monitoring Program required by 40 CFR 264.98.
2. The Waste Management Area for the OSP shall be designated by an imaginary line circumscribing the OSP (Attachment D).
3. The Point of Compliance for the Old Sludge Pile shall be the western side of the Waste Management Area.
4. The groundwater monitoring wells shall be (Attachment D):
 - a. MW-8 (background well)
 - b. MW-24 (POC well)
 - c. MW-25 (POC well)
5. POC and the background well shall be sampled in March of each year for the following parameters: lead, 2,4-DNT and 2,6-DNT. Field Parameters pH, temperature, specific conductivity and turbidity must be measured during each sampling event.

6. Environmental Monitoring Reports for the March semiannual monitoring events shall be submitted to the Department no later than May 31 of each year.
7. The Compliance Period is the number of years equal to the active life of OSP including any waste management activity prior to permitting, and the closure period (1979 - May 8, 1997). The compliance period is 17 years and 5 months.
8. If the Permittee is engaged in a corrective action program at the end of the Compliance Period, the Permittee must continue that corrective action for as long as necessary to achieve compliance with the ground-water protection standard (40 CFR Part 264.100(f)).
9. The Permittee's 2026 permit renewal shall contain groundwater monitoring results of the OSP to ensure that the closure procedures and caps continue to prevent the escape of hazardous constituents, contaminated run-off, or hazardous waste decomposition products to the groundwater or surface waters. The constituents and decomposition products that were known or expected to be in the OSP wastestream that must be reported are:
 - a. 2,4-Dinitrotoluene
 - b. 2,6-Dinitrotoluene
 - c. Benzene
 - d. Bis (2-ethylhexyl) phthalate
 - e. Di-n-butylphthalate
 - f. Dinitrotoluenes (total)
 - g. Toluene
 - h. Diphenylamine
 - i. N-Nitrosodiphenylamine
 - j. Cadmium
 - k. Chromium
 - l. Lead

Part IV Subpart E – Cleanup Target Levels

1. Final CTLs at each site are designated at the time a final remedy is approved in accordance with 62-730.225(b), F.A.C. For final remedies approved after issuance of this permit, the Permittee shall submit a permit modification per 62-730.290(1)(a), F.A.C., to update the final remedy with any new CTLs.
2. Where the PQL for a particular contaminant is greater than a calculated health-based protective concentration, the Permittee shall provide supporting documentation to request use of the PQL to serve as CTL. The Department will review and must approve prior to use. The PQL is the lowest level that can be reliably measured during routine laboratory operating conditions within specified limits of precision and accuracy. PQLs only represent final CTLs when analytical methods do not become more sensitive prior to completion of site rehabilitation. Where laboratory methods become more sensitive (to more closely approach or achieve the health-based CTL), the EMP must be modified according to General Condition I.22. The PQL is listed below if the Contaminant of Concern (COC) does not have a Groundwater Cleanup Target Level (GCTL).

3. Ground-water Protection Standard (GWPS) per 40 CFR Part 264.92

CAS #	Contaminant of Concern	GCTL (µg/L)
71-43-2	Benzene	1
122-39-4	Diphenylamine	180*
7439-92-1	Lead	15
75-09-2	Methylene chloride (dichloromethane)	5
86-30-6	N-Nitrosodiphenylamine	7.1*
9004-70-0	Nitrocellulose	**
14797-55-8	Nitrate	10,000
14797-65-0	Nitrite	1,000
55-63-0	Nitroglycerin	**
121-14-2	2,4-Dinitrotoluene (2,4-DNT)	0.05*
606-20-2	2,6-Dinitrotoluene (2,6-DNT)	0.05*
121-82-4	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.3*
2691-41-0	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	350*

GCTL Groundwater Cleanup Target Levels

µg/l microgram per liter

* Groundwater Cleanup Target Levels in Chapter 62-777, F.A.C.

** Practical Quantitation Limit (PQL) or background, whichever is greater. The PQL is the lowest level that can be reliably measured during routine laboratory operating conditions within specified limits of precision and accuracy.

4. The surface water cleanup target levels (SWCTLs) for these contaminants of concern shall be:

Contaminant of Concern	SWCTL (µg/L)
Benzene	≤ 71.28 annual average
Diphenylamine	Background*
Lead	**
Methylene chloride (dichloromethane)	≤ 1,580
N-Nitrosodiphenylamine	6***
Nitrocellulose	Background*
Nitrate	****
Nitrite	****
Nitroglycerin*	Background*
2,4-Dinitrotoluene (2,4-DNT)	≤ 9.1*****
2,6-Dinitrotoluene (2,6-DNT)	0.7***
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	180***
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	1300***

µg/l microgram per liter

- * In accordance with Subsection 62-302.200(3), F.A.C., background is defined as the condition of waters in the absence of the activity or discharge under consideration, based on the best scientific information available to the Department.
- ** Based upon hardness per Chapter 62-302, F.A.C.
- *** Surface Water Cleanup Target Level per Chapter 62-777, F.A.C.
- **** In accordance with Paragraph 62-302.530(48)(b), F.A.C., in no case shall nutrient concentrations of a body of water be altered so as to cause an imbalance in natural populations of aquatic flora and fauna.
- ***** In accordance with Subsection 62-302.530(29), F.A.C.

PART V – CORRECTIVE (REMEDIAL) ACTION CONDITIONS

Part V Subpart A – General Corrective Action Conditions

1. The Conditions of this Part apply to the following:
 - a. The SWMUs and AOCs identified in Appendix A.
 - b. Any additional SWMUs or AOCs discovered during the course of groundwater monitoring, field investigations, environmental audits, or other means. As used in this Part, the terms “discover”, “discovery”, or “discovered” refer to the following:
 - (1) The date the Permittee visually observes evidence of a new SWMU or AOC.
 - (2) The date the Permittee visually observes evidence of a previously unidentified release of contaminant(s) to the environment.
 - (3) The date the Permittee receives information from a credible source of the presence of a new release of contaminant(s) to the environment.
 - c. Contamination that has migrated beyond the facility boundary, if applicable.
2. The Permittee shall comply with the notification requirements for the discovery of a new SWMU in Part I.12.c.
3. Upon notification by the Department, the Permittee shall prepare and submit a Confirmatory Sampling (CS) Work Plan for known, suspected, or newly discovered sites. The Work Plan shall be submitted within 60 calendar days of notification by the Department unless the notification letter establishes a different time frame.
 - a. The CS Work Plan shall include schedules for implementation and completion of specific actions necessary to determine whether or not contamination has occurred in any potentially affected media. In order to partly or wholly satisfy the CS requirement, previously existing data may be submitted with the work plan for the Department’s consideration.
 - b. In accordance with the schedule in the approved CS Work Plan, or no later than 60 calendar days after Department’s written approval of a CS Work Plan, the Permittee shall submit a Confirmatory Sampling Report identifying those sites that are contaminated and those sites that are not contaminated. The CS Report shall include an analysis of the analytical data to support all determinations.

Based on the results of the CS Report, the Department will determine the need for further investigation at sites covered in the CS Report and notify the Permittee in writing.

4. De Minimis discharge is a release of a contaminant(s) that is removed from the soil, sediment, surface water, and groundwater to cleanup target levels or Department approved site-specific background concentrations within 30 days of discovery of the release. If the Permittee intends to treat a discharge under the De Minimis discharge provision of Rule 62-780.550 or Rule 62-780.560 F.A.C., the Permittee must meet the notification requirements of Part I.12.c, and inform the Department's RCRA Manager that a De Minimis action is underway. A De Minimis Remediation Report must be submitted to the Department within 90 days of discovery of the release. The report must include a description of all actions taken in response to the discharge and the information required by the Interim Source Removal Report pursuant to Subsection 62-780.500(6)(a), F.A.C.
5. If contamination is confirmed by the Confirmatory Sampling Report, the Department will notify the Permittee to commence site rehabilitation in accordance with Rule 62-730.225 and Chapter 62-780, F.A.C., for all SWMUs and/or AOCs ("contaminated sites") identified in the notification. The Permittee shall commence and complete site assessment in the manner and within the time limits set forth in Rule 62-780.600, F.A.C., unless the notification letter specifically establishes a different time frame to commence or complete site assessment. An alternative schedule can be implemented with written Department approval.
6. The Permittee shall conduct Emergency Response Actions in accordance with Rules 62-730.225 and 62-780.500, F.A.C. The Permittee may, or upon notification by the Department, shall conduct an Interim Source Removal action in accordance with Rules 62-730.225 and 62-780.500 F.A.C. for any release, SWMUs, or AOCs determined necessary to minimize or prevent further migration of contaminants or to limit human or environmental exposure to contaminants.
7. If the Department or the Permittee at any time determines that any approved work plan no longer satisfies the requirements of Rule 62-730.225 or Chapter 62-780, F.A.C. or this permit for prior or continuing releases of contaminant(s) to the environment, the Permittee shall submit an amended work plan to the Department within 60 calendar days of such determination.

PART VI – REMEDY SELECTION AND IMPLEMENTATION

Part VI Subpart A – General Remedy Selection and Implementation Conditions

1. Within 90 calendar days of Department approval of a Site Assessment Report or Site Assessment Report Addendum the Permittee shall submit a Remedial Action Plan developed in accordance with Chapters 62-780 and 62-730, F.A.C. Remedial Action Plans may be performance based, including remediation options to be implemented based on changing conditions at the site.

2. The Permittee shall apply for a permit modification in accordance with Part I.22. of this permit within 30 days of a Department approved final remedy unless an alternative permit modification schedule has been approved by the Department. Final approval of remedial action which is achieved through interim measures shall be in accordance with this condition.
3. The Remedial Action Plan shall include a provision for the Permittee to submit periodic Remedial Action Status Reports in accordance with Subsection 62-780.700(12), F.A.C. The intent to implement a different approved remedy in a performance based Remedial Action Plan can be provided in the Remedial Action Status Report. Proposals to modify a previously approved remedy in a performance based Remedial Action Plan can be provided in the Remedial Action Status Report and implemented with written Department approval. The Remedial Action Status Reports may be combined with any Environmental Monitoring Report required by Part IV.
4. When site rehabilitation (remedial action) is complete, the Permittee shall submit to the Department a Site Rehabilitation Completion Report in accordance with Subsection 62-780.750(6), F.A.C. Site Rehabilitation Completion Reports can be part of a combined document with the Remedial Action Status Report.
5. For site rehabilitation involving the cleanup of groundwater contaminated by a release from a designated regulated unit, the Permittee must demonstrate that the concentration of constituents of concern remain below cleanup goals for three consecutive years after active remediation has ceased as per 40 CFR 264.100(f).
6. When appropriate, the Department will approve completion of site rehabilitation by inclusion in a permit renewal, permit modification, or separate Site Rehabilitation Completion Order.

Part VI Subpart B – Selected Remedies

1. **SWMU-21/23** (Attachment E): Soil containing lead and arsenic at concentrations exceeding direct exposure commercial/industrial standards was excavated the week of February 11-25, 2008. This excavation was reported in the *Interim Measure Completion, Solid Waste Management Units 21 and 23, St. Marks Powder, St. Marks, Wakulla County, Florida* dated August 2008. The selected remedy for SWMUs 21-Covered Scrap Ditches and 23-Scrap Metal Decontamination Area is active groundwater pumping with treatment of contaminated groundwater in the facility's Wastewater Treatment Facility as described in the *Groundwater Recovery System for Diphenylamine, Solid Waste Management Units 21 and 23* dated July 22, 2011.
 - a. The frequency and sampling of the routine wells shall be:
 - i. March and September events: BG-MW02, 19-MW13, 20-MW15, 20-MW-16, 20-MW-17, 21-MW06, 21-MW07, 21-MW08, 23-MW09 and 23-MW-11.
 - ii. June and December events: BG-MW02, 20-MW15, 20-MW-17, 21-MW08, 23-MW09, 23-MW-11 and 23-MW13.
 - iii. March, June, September and December:
 - (1) A composite sample from the recovery system effluent.

- (2) Individual recovery wells, RW-1, RW-2, RW-3, RW-4, RW-5 and RW-6, as needed.
- b. Additional wells exist at SWMU 21/23. No later than two weeks prior to each monitoring event, the Permittee may propose a modified list of wells to the Department, for the next monitoring event, based upon previous groundwater monitoring data and trends, and system performance. Upon written Department approval, the modified list of wells may be sampled for the next event.
 - c. Wells shall be sampled for diphenylamine and n-nitrosodiphenylamine.
 - d. With Department approval, the remediation system may be temporarily shut down to determine rebound, if any.
 - e. The Permittee must initiate additional assessment if any Part IV Subpart E Cleanup Target Levels are exceeded.
 - f. Reporting:
 - i. Mid-year Report (due August 31): This report shall include the monitoring results from the March and June sampling events.
 - ii. Annual Report (due March 31): This report shall include the monitoring results from the previous year.
2. **SWMUs 28, 37 and 40, and Lift Station 7:** *The Annual Groundwater Monitoring Plan* dated April 4, 2008 proposed groundwater monitoring for Lift Station 7, SWMU 28-Nitroglycerin Spill Area, SWMU 37-Decontamination Area and SWMU 40-Pack Cleaning Interim Storage. This plan was approved by the Department on April 11, 2008. A Site Rehabilitation Completion Report (SRCR) for Solid Waste Management Unit (SWMU) 28, SWMU 37, SWMU 40 and Lift Station 7 dated February 24, 2021 was reviewed by the Department. The Department submitted comments to the Department dated May 18, 2021.
3. **AOC-A and SWMUs 21, 23, 28, 37, 40, 45 and the Old Sludge Pile:** *The Declaration of Restrictive Covenant* dated October 15, 2009 places institutional controls on AOC A-Combustible Fibers Test Unit, SWMU 21-Covered Scrap Ditches, SWMU 23-Scrap Metal Decontamination Area, SWMU 28- Nitroglycerin Spill Area, SWMU 37-Decontamination Area, SWMU 40-Pack Cleaning Interim Storage, SWMU 45 Acid Spill Area (Nitroglycerin Facility) and the Old Sludge Pile.
4. The Permittee may modify the previously approved remedial technologies with written Department approval. Designs for modification must be signed and sealed by a Professional Engineer and submitted to the Department at least 60 days prior to proposed implementation.

**APPENDIX A - SUMMARY OF FACILITY SITES - SOLID WASTE MANAGEMENT UNITS (SWMUs)
AND AREAS OF CONCERN (AOCs)**

A.1 List of SWMUs / AOCs requiring Confirmatory Sampling				
SWMU/AOC Number/Letter	SWMU/AOC Name	SWMU/AOC Comment and Basis for Determination	Dates of Operation	Potentially Affected Media
There are no units identified as requiring Confirmatory Sampling at this time pursuant to this permit.				

A.2 List of SWMUs / AOCs requiring a Site Assessment (a/k/a RCRA Facility Investigation [RFI]) or a Risk Assessment				
SWMU/AOC Number/Letter	SWMU/AOC Name	SWMU/AOC Comment and Basis for Determination	Dates of Operation	Potentially Affected Media
There are no units identified at this time as requiring a Site or Risk Assessment.				

A.3 List of SWMUs / AOCs requiring a Remedial Action Plan or Natural Attenuation with Monitoring Plan (a/k/a RCRA Corrective Measures Study [CMS])				
SWMU/AOC Number/Letter	SWMU/AOC Name	SWMU/AOC Comment and Basis for Determination	Dates of Operation	Potentially Affected Media
There are no units identified at this time requiring a Remedial Action Plan or a Natural Attenuation with Monitoring Plan.				

A.4 List of SWMUs / AOCs implementing a Remedial Action Plan or Natural Attenuation Monitoring Plan (a/k/a Corrective Measures Implementation [CMI])				
SWMU/AOC Number/Letter	SWMU/AOC Name	SWMU/AOC Comment and Basis for Determination	Dates of Operation	Affected Media
21	Covered Scrap Ditches	Interim Measures for Soils dated August 2008; GW Recovery System for Diphenylamine, July 22, 2011	1970-1976	Groundwater
23	Scrap Metal Decontamination Area	Interim Measures for Soils dated August 2008; GW Recovery System for Diphenylamine, July 22, 2011	1970-Present	Soil & groundwater
28	Nitroglycerine Spill Area	No soil sampling due to safety hazard; groundwater	1970	Soil

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		monitoring continues to detect any leaching		
32D	Lift Station 7 (Dry Line)	September 27, 2001, Investigation of Lift Station 7, groundwater monitoring continues to detect any leaching	1970-Present	Groundwater
37	Decontamination Area Near Warehouse	Interim Measures Completion (Soil) removal, August 30, 2002, groundwater monitoring continues to detect any leaching	1971-Present	Soil
40	Pack Cleaning Interim Storage	Interim Measures Completion (Soil) removal, August 30, 2002, groundwater monitoring continues to detect any leaching	1987-1993	Soil

A.5 List of SWMUs / AOCs at which Site Rehabilitation Completion Determinations With Controls have been made (e.g. formal closure process completed)

SWMU/AOC Number/Letter	SWMU/AOC Name	Unit Comment and Basis for Determination
There are no units identified at this time at which Site Rehabilitation Completion Determinations with controls have been made.		

A.6 List of SWMUs / AOCs at which Site Rehabilitation Completion Determinations Without Controls have been made (e.g. formal closure process completed)

SWMU/AOC Number/Letter	SWMU/AOC Name	Unit Comment and Basis for Determination
There are no units identified at this time at which Site Rehabilitation Completion Determinations without controls have been made.		

A.7 List of SWMUs / AOCs where No Further Action Determinations have been made based on no suspected or confirmed contamination (i.e. not 'contaminated sites' as defined by 62-780 F.A.C.)

SWMU/AOC Number/Letter	SWMU/AOC Name	Unit Comment and Basis for NFA	Letter Date of Basis
1	Closed Waste Pile	Closure certification dated January 28, 1983	DER acceptance on February 9, 1984
2	Covered Explosive-Contaminated Debris Ditches	Corrective Measures Sampling Report approval	March 5, 2001
3	MK 24 Powder Can Temporary Storage	RFA	June 1995

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4	Hazardous Waste Incinerator	Clean Closure Certification dated December 6, 1993	DER acceptance of Clean Closure Certification on February 3, 1994
5	Sludge Drying Beds (WMA 1)	Closure certification dated November 12, 1996	DER acceptance on December 23, 1996
6	Old WWTP Sludge Pile (Post-closure)	Regulated unit with postclosure under this permit	
7	New WWTP Sludge Pile (At Facility closing the site will be revisited for vanadium)	CMS dated April 26, 2006	September 11, 2006
8	WWTP Polishing Pond (WMA 1)	Closure certification dated November 12, 1996	DER acceptance on December 23, 1996
9	Wastewater Treatment Plant (WWTP) Irrigation Field	Amendment to RCRA CSR dated January 16, 2001	March 5, 2001
10	WWTP Solids Separator Tanks A, B and C	RFA	June 1995
11	Equalization Tank	RFA	June 1995
12	WWTP Aeration Tank	RFA	June 1995
13	WWTP Clarifiers A and B	RFA	June 1995
14	WWTP Chlorination tank	RFA	June 1995
15	WWTP Digester tank	RFA	June 1995
16	WWTP Filter Press	Amendment to RCRA CSR dated January 16, 2001	March 5, 2001
17	Covered WWTP Sludge Ditch	CMS dated April 26, 2006	September 11, 2006
18	North Domestic Waste Ditch	Amendment to RCRA CSR dated January 16, 2001	March 5, 2001
19	South Domestic Waste Ditch	Amendment to RCRA CSR dated January 16, 2001	March 5, 2001
20	North and South Storage Ditches	Amendment to RCRA CSR dated January 16, 2001	March 5, 2001
22	Scrap Fiber Packs	RFA	June 1995
24	Drum Storage Area	RFA	June 1995
25	Decontamination Scrap Metal Ditches	Amendment to RCRA CSR dated January 16, 2001	March 5, 2001
26	Open Burning Unit (Operating Unit)	Operation and closure of this unit is under this permit	September 17, 1996
27	WWTP Dredge Disposal Area (WMA 2)	Closure certification dated November 12, 1996	DER acceptance on December 23, 1996
29	Boneyard	RFA	June 1995

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30	North Sweetie Barrel Emergency Overflow Containment Pond	RFA	June 1995
	North Sweetie Barrel Emergency Overflow Containment Pond (broken pipe release)	Summary of the investigation and remedial measures dated February 3, 2003	DEP acceptance of NFA dated November 28, 2011
31	Wet Line Building Floor Drains and Sumps	Amendment to RCRA CSR dated January 16, 2001	March 5, 2001
32 A-F	Facility Lift Stations and Sewer Lines	Amendment to RCRA CSR dated January 16, 2001	March 5, 2001
33	Central Lift Station- Emergency Overflow Containment Pond	Amendment to RCRA CSR dated January 16, 2001	March 5, 2001
34	NPDES Outfall Discharge Ditch	RFA	June 1995
35	North Coater Building Floor Sumps and Trenches	Amendment to RCRA CSR dated January 16, 2001	March 5, 2001
36	Powder Pit Sand table Operation Sumps	Amendment to RCRA CSR dated January 16, 2001	March 5, 2001
39	Combustible Fiber Product (CFP) Non- Hazardous Waste Roll-Off	RFA	June 1995
41	CFP Contaminated Scrap Pad	CMS dated April 26, 2006	DEP acceptance of CMS on September 11, 2006
42	CFP Explosive Scrap Pad	Interim Measure Completion Report for SWMUs 37, 40 and 42 dated August 30, 2002	DEP acceptance on January 8, 2003
43 A-F	Waste Accumulation Areas	RFA	June 1995
44	Quality Assurance Laboratory Sinks	Amendment to RCRA CSR dated January 16, 2001	EPA acceptance on March 5, 2001
45	<u>Acid Spill- Nitroglycerin Facility</u>	<u>DEP approval of NFA with LUCs on October 7, 2008 and Declaration of Restrictive Covenant dated October 15, 2009</u>	<u>DEP approval of NFA with LUCs on October 7, 2008 and Declaration of Restrictive Covenant dated October 15, 2009</u>
46	Universal Waste (batteries)	July 2016 Part B	July 2016 Part B
47	Universal Waste (mercury)	July 2016 Part B	July 2016 Part B
48	Aerosol Can Solvent Drum	July 2016 Part B	July 2016 Part B
49	Scrap Metal Rolloff	July 2016 Part B	July 2016 Part B

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50	Used Oil Storage Tank	July 2016 Part B	July 2016 Part B
51	Aerobic Digester	July 2016 Part B	July 2016 Part B
52	WWTP Chlorination Tank	July 2016 Part B	July 2016 Part B
53	Pretreatment Tank 1	July 2016 Part B	July 2016 Part B
54	Pretreatment Tank 2	July 2016 Part B	July 2016 Part B
55	Tank R.W. Storage	DEP approval that further assessment at SWMU-55 is not required	August 2, 2017

A.8 List of SWMUs / AOCs Performing Detection Monitoring (RCRA Permitted Units)			
SWMU/AOC Number/Letter	SWMU/AOC Name	Unit Comment and Basis for NFA	Letter Date of Basis
6	Old WWTP Sludge Pile (OSP)	Regulated unit with postclosure under this permit	
26	Open Burn Unit (OBU)	Operation and closure of OBU under this permit	

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EXECUTION AND CLERKING

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

**Kimberly A.
Walker**

Digitally signed by Kimberly
A. Walker
Date: 2022.03.11 10:17:02
-05'00'

Kimberly A. Walker, Program Administrator
Permitting & Compliance Assistance Program
2600 Blair Stone Road, MS 4550
Tallahassee, Florida 32399-2400

FILING AND ACKNOWLEDGMENT

FILED on this date pursuant to Section 120.52(11), Florida Statutes, with the designated
Department Clerk, receipt of which is hereby acknowledged.

Kim Thursby

Digitally signed by Kim
Thursby
Date: 2022.03.11 11:29:22
-05'00'

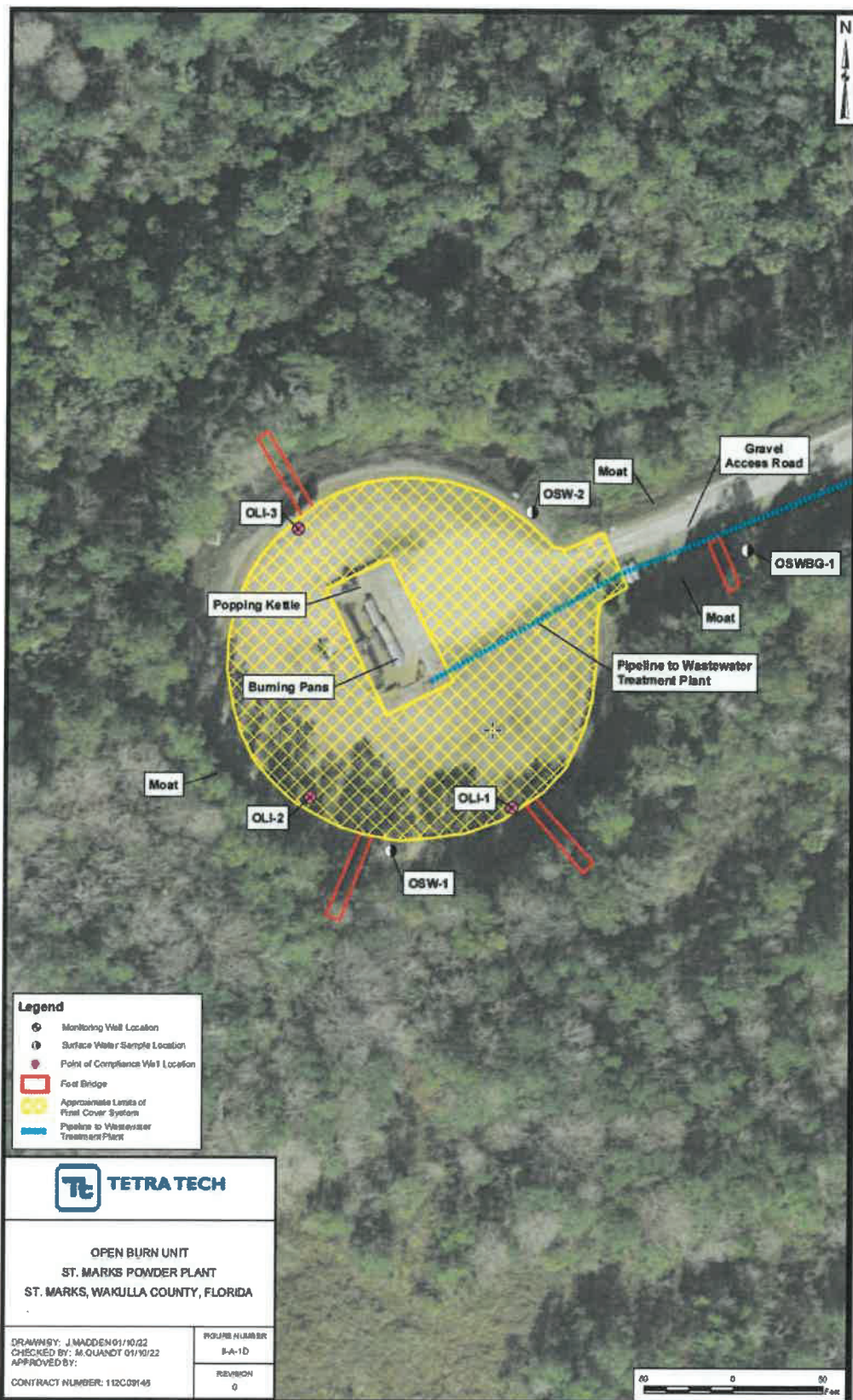
Clerk

Date

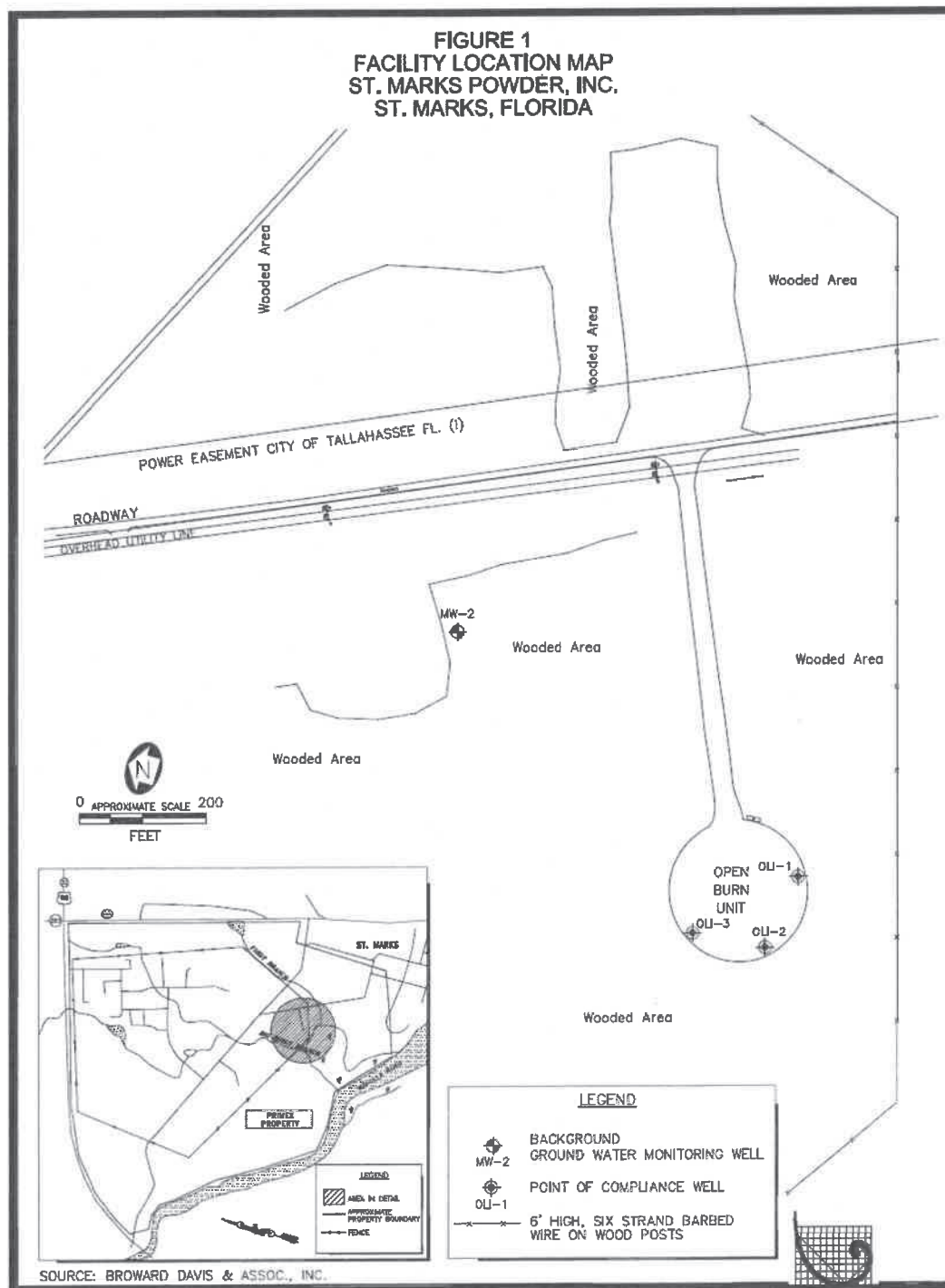
ATTACHMENT A – FACILITY MAP



ATTACHMENT B – OPEN BURN UNIT GROUNDWATER AND SURFACE WATER SAMPLING LOCATIONS



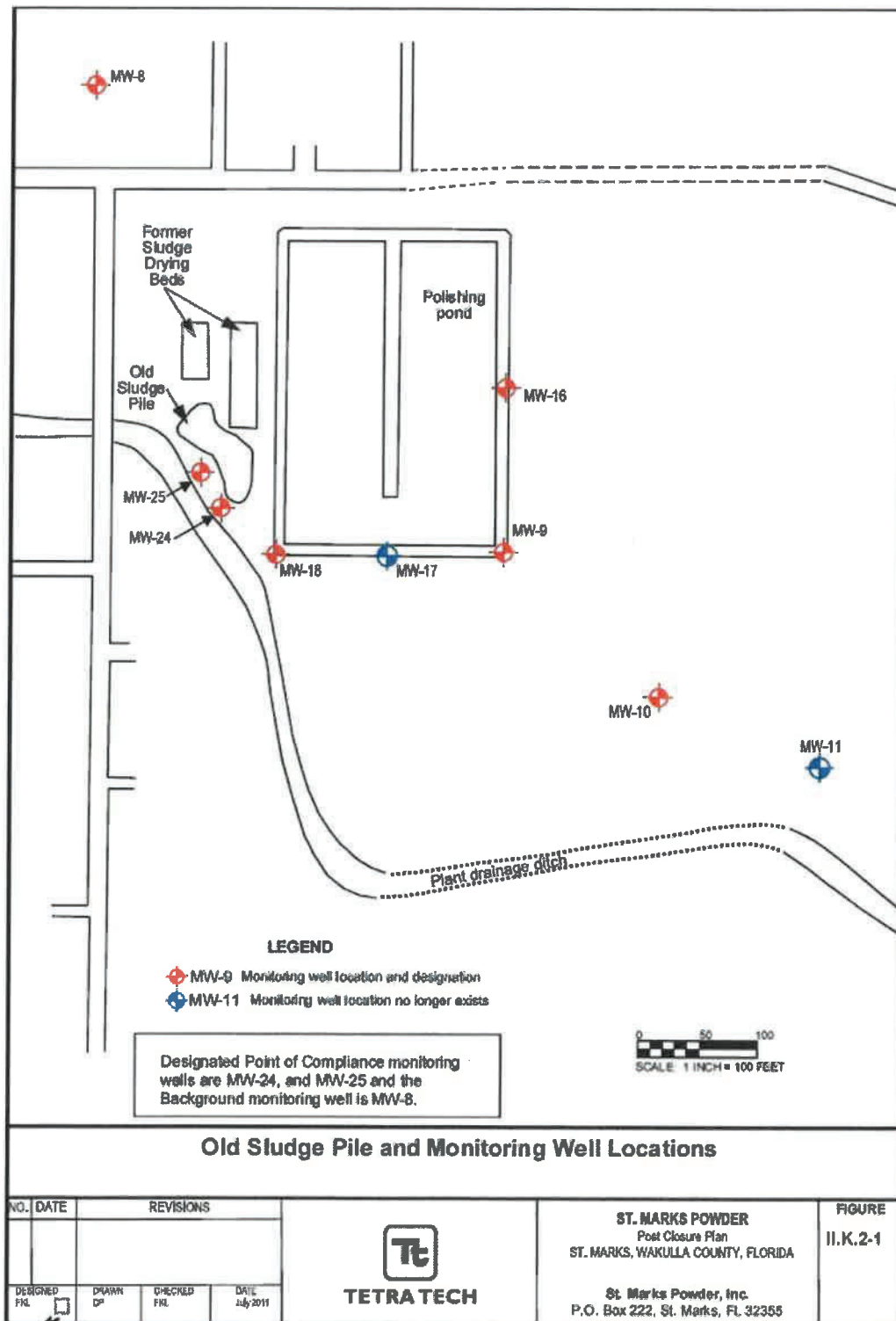
ATTACHMENT C – OPEN BURN UNIT MONITORING WELLS



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ATTACHMENT D – WASTE MANAGEMENT AREA 1 (WMA-1)



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ATTACHMENT E – SWMU 21/23 AREA WELL LOCATIONS

