

US EPA ARCHIVE DOCUMENT



## Florida Department of Environmental Protection

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

Rick Scott  
Governor

Jennifer Carroll  
Lt. Governor

Herschel T. Vinyard Jr.  
Secretary

August 15, 2011

**SENT VIA EMAIL**

[kfunkhouser@chemringordnance.com](mailto:kfunkhouser@chemringordnance.com)

Mr. Keith Funkhouser, President  
Chemring Ordnance, Inc.  
10625 Puckett Road  
Perry, Florida 32340

SUBJECT: Chemring Ordnance, Inc.  
FLD 047 966 593  
Operating/Postclosure/Corrective Action Permit 16099-010-HO

Dear Mr. Funkhouser:

Enclosed is Permit Number 16099-010-HO to continue to operate a hazardous waste miscellaneous open burn unit and to continue facility-wide corrective action. 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.).

This permit is final and effective ("issued") on the date filed with the Clerk of the Department. When the permit is final, any party to the permit has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice to Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, Department of Environmental Protection, 3900 Commonwealth Boulevard, MS #35, 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 of Appeal must be filed within thirty (30) days from the date the final permit is issued. If you should have any questions, please contact Camille Stein at (850)245-8791 or [Camille.stein@dep.state.fl.us](mailto:Camille.stein@dep.state.fl.us).

Sincerely,

A handwritten signature in cursive script that reads "Tim J. Bahr".

Tim J. Bahr, Administrator  
Hazardous Waste Regulation

TJB/cs

cc with enclosure:

Keith Funkhouser  
Page 2  
August 15, 2011

Karen Knight/Region 4 [knight.karen@epa.gov](mailto:knight.karen@epa.gov)  
Ashwin B. Patel, DEP/Jacksonville [Ashwin.patel@dep.state.fl.us](mailto:Ashwin.patel@dep.state.fl.us)  
Dale Krejcar, Director of Operations, [dkrejcar@chemringordnance.com](mailto:dkrejcar@chemringordnance.com)  
Chen Lin, Ph.D., P.E., Able Engineering, LLC [ableengineering@embarqmail.com](mailto:ableengineering@embarqmail.com)



# Florida Department of Environmental Protection

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

Rick Scott  
Governor

Jennifer Carroll  
Lt. Governor

Herschel T. Vinyard Jr.  
Secretary

PERMITTEE:

Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593

PERMIT/CERTIFICATION NUMBER: 16099-010-HO

DATE OF ISSUE: AUGUST 15, 2011

EXPIRATION DATE: March 12, 2016

ATTENTION:

Mr. Keith Funkhouser, President

COUNTY: Taylor

LATITUDE / LONGITUDE: 29°58'13"N/83°39'37"W

PROJECT: Operation of a hazardous waste  
miscellaneous open burn unit and continuation of  
facility-wide 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 16099-007-HO. The above-named Permittee is hereby authorized to perform the work or operate the facility shown on the application dated September 10, 2010 and revised November 30, 2010, February 10, 2011 and April 21, 2011, which 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. The RCRA-regulated units are specifically described as follows:

To operate a hazardous waste miscellaneous open-burn unit, consisting of four burn pads for the thermal treatment of reactive and shock-sensitive hazardous wastes. The unit is constructed of a six-inch thick by 75' by 105' continuous monolithic 3000 pounds per square inch (psi) concrete pad with an eight-inch by eight-inch wide concrete curb along the perimeter. The concrete surface of the unit is coated with a chemical and heat-resistant sealant. The concrete pad is constructed on top of a six-inch thick, 85' by 115' lime rock base. Four six-inch thick 3000 psi concrete burn pads with dimensions of 15' by 30' are constructed on top of the concrete pad. Each burn pad has an eight-inch high berm along the perimeter. Elevated metal burn pans constructed of cold rolled steel with maximum dimensions of 26' by 11' by 1' are placed in each concrete

[www.dep.state.fl.us](http://www.dep.state.fl.us)

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

pad.

When necessary, removable metal screens are positioned three inches from the top of each burn pan to contain ejected large particles from the burn pan.

Similar to the burn pans, burn cages constructed of cold rolled steel with maximum dimensions of 13' by 8' by 6' may be used in place of burn pans. The burn pans will be kept covered with an aluminum cover, mounted over an I-beam trolley rail, when the unit is not in operation. The design specifications and material of construction the miscellaneous unit are described in Attachment II.I.1 of the Permit Application.

Thermal treatment of the wastes will be in accordance with the procedures described in Attachment II.A.5 of the Permit Application. The Permittee will operate the miscellaneous unit for the thermal treatment of reactive pyrotechnic powder/composite cuttings, shavings, residues, and unacceptable parts and contaminated industrials (EPA Hazardous Waste ID Code D003). The pyrotechnic powder/composite cuttings, shavings, residues, slurries and unacceptable parts and contaminated industrial materials may also carry EPA Hazardous Waste ID Codes D005, D006, D007 and D008. The contaminated industrial materials may carry EPA Hazardous Waste ID Codes D005, D006, D007, D008, F002, F003 and F005.

This permit authorizes thermal treatment of only onsite-generated waste as specified above.

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. Solid waste management units (SWMUs) and areas of concern (AOCs) identified to date are listed in Appendix A. Pursuant to 40 Code of Federal Regulations (CFR) 260.10 [as adopted by reference in Rule 62-730.020(1), F.A.C.], the corrective action requirements of this RCRA permit extend to all contiguous property under the control of the Permittee (see Attachment A, a map which demarks the property boundaries of land under the Permittee's control) and to all contamination that originated from discharges at the contiguous 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

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO

EXPIRATION DATE: March 12, 2016

termination or modification of this permit in accordance with Rule 62-730.290, F.A.C and potential enforcement action.

The facility is located at 10625 Puckett Road, Perry, Florida.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

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

1. **Application for Renewal of Hazardous Waste Operation Permit for the Open Burn Unit** dated September 12, 2000 and revised December 06, 2000 and February 15, 2001.
2. **Permit Modification for the Hazardous Waste Miscellaneous Unit-Burn Pad Operating Permit** dated July 15, 2002 and subsequent reviews dated August 15, 2002.
3. **Permit Modification for the Open Burn Unit Operation** dated February 13, 2003.
4. **Request for Authorization to Treat New Waste Stream in Open Burn Unit** dated January 23, 2004.
5. **Hazardous Waste Facility Operating Renewal Application** dated August 23, 2005.
6. **Revision to Contingency Plan** dated September 29, 2005 and revised January 06, 2006.
7. **Ninth Semiannual (August 2005) Groundwater Monitoring Report; Tenth Semiannual (February 2006 Groundwater Monitoring Report** dated April 14, 2006 and approved by the Department on January 31, 2007.
8. **Open Burn Unit Operation Permit Renewal for Chemring Ordnance, Inc., Formerly Known as Martin Electronics, Inc.** dated September 10, 2010 and revision of November 30, 2010.
9. **Additional Product Information for Chemring Ordnance, Inc. Open Burn Unit Operation Permit Renewal** dated February 10, 2011.
10. **Chemring Ordnance Officer Change** dated April 21, 2011
11. **Proposed Language** dated June 2, 2011.
12. **Updated Map and Figure** dated June 6, 2011.
13. **Proposed Language** dated June 21, 2011.
14. **COR OBU Permit Language** dated June 21, 2011.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

## TABLE OF CONTENTS

PART I - GENERAL AND STANDARD CONDITIONS .....	6
PART II - OPERATING CONDITIONS.....	18
Part II Subpart A - General Operating Conditions .....	18
Part II Subpart B - Specific Operating Conditions .....	20
Part II Subpart C - Closure Conditions .....	25
PART III - POSTCLOSURE CONDITIONS.....	27
PART IV - ENVIRONMENTAL MONITORING CONDITIONS.....	28
Part IV Subpart A - General Groundwater Monitoring Requirements .....	28
Part IV Subpart B - Specific Monitoring Conditions .....	30
Part IV Subpart C - Specific Groundwater Monitoring Requirements for Regulated Units .....	34
Part IV Subpart D - Groundwater Cleanup Target Levels.....	37
PART V - CORRECTIVE (REMEDIAL) ACTION CONDITIONS.....	38
PART VI - REMEDY SELECTION AND IMPLEMENTATION .....	40
Part VI Subpart A - General Conditions .....	40
Part VI Subpart B - Selected Remedies.....	41
Appendix A Summary of Facility Sites (Solid Waste Management Units and Areas of Concern).....	42
Attachment A - Facility Map .....	51
Attachment B - Waste Management Area and Open Burn Unit.....	52
Attachment C - Monitoring Well Locations.....	53

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

## 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 and 403.727, 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.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

7. 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 to:
  - 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; and
  - c. Sample or monitor any substances or parameters at any time or location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. 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 with the following information:
    - (1) A description of and cause of noncompliance; and
    - (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. Notification of any noncompliance or emergency response including interim source removal, which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within five days. The verbal report shall include the name, address,

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

I.D. number, and telephone number of the facility and its owner or operator; the date, time, and type of incident; the name and quantity of materials involved; the extent of any injuries if any; an assessment of actual or potential hazards; and the estimated quantity and disposition of recovered material. The written submission shall contain all the elements of the verbal report and:

- (1) A description and cause of the noncompliance.
  - (2) If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.
- c. The Permittee shall comply with the "Notices" provisions of Rule 62-780.220, F.A.C. :
- (1) prior to performing 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) five year annual update to the status of a TPOC; and
  - (5) warning signs at facilities where there may be a risk of exposure to the public of environmental media contaminated with hazardous waste.
- d. The Permittee shall give written notice to the Department within 15 days of any planned physical alterations or additions that could affect activities covered by this permit. The notice shall include at a minimum, a summary of the planned change, the reason for the planned change, a discussion of the effect(s) the planned change will have on the ability to investigate contamination at or from the contaminated site, and a discussion of the effect(s) the planned change will have on the known or suspected contamination.
- e. 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.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

- f. Biennial report: A biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year.
9. 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 this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source 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.
10. 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.
11. This permit is transferable only upon written Department approval in accordance with Rules 62-4.120 and 62-730.290(6) F.A.C., as applicable. The Permittee shall be liable for any non-compliance 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.
12. 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, then the permit or a copy thereof shall be kept at an alternate location agreed to by the department.
13. Reserved
14. 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.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

- b. The Permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit; copies of all reports required by this permit; records of all data used to complete the application for this permit; and all monitoring data required by 40 CFR Part 264 Subparts F and G, and 40 CFR 264.228. 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.
- c. Records of monitoring information shall include all required items in Chapter 62-160, F.A.C. These include at a minimum:
- (1) The date, exact place, and time of sampling or measurements;
  - (2) The person responsible for performing the sampling or measurements;
  - (3) The dates analyses were performed;
  - (4) The person responsible for performing the analyses;
  - (5) The analytical techniques or methods used; and
  - (6) The results of such analyses.
- d. As a generator of 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) 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.
- e. The Permittee shall keep a written operating record at the facility, which includes:
- (1) The results of any waste analysis;

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

- (2) Copies of hazardous waste manifests for three years;
  - (3) The results of inspections;
  - (4) The closure plan, postclosure plan, and remedial action (corrective measures) plans as applicable for each contaminated site, along with cost estimates for each plan;
  - (5) Inspections of emergency and safety equipment (Condition 24 of this Part);
  - (6) Biennial reports;
  - (7) Personnel training records (Condition 2, Part II Subpart A);
  - (8) The Waste Minimization Program Plan (Part II Subpart A - Condition 8);
  - (9) Annual certification of waste minimization (Part II Subpart A - Condition 8);
  - (10) The description and quantity of each hazardous waste generated;
  - (11) The location of each hazardous waste within the facility and the quantity at location;
  - (12) Notices to generators as specified in 40 CFR 264.12(b);
  - (13) A log of dates of operations and unusual events;
  - (14) A summary report and details of incidents that require implementation of the contingency plan (Part II Subpart A - Condition 6);
  - (15) Monitoring and test data for 40 CFR 264 Subparts AA, BB, and CC requirements; and
  - (16) Documentation that local officials have refused to enter into preparedness prevention arrangements with the Permittee.
15. Within the timeframe requested by the Department, the Permittee shall furnish any information required by law which is needed to determine compliance with the

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

permit. If the Department's request does not include a timeframe, the time of response is 30 days. If the Permittee becomes aware the relevant facts were not submitted or were incorrect in the Permit Application or in any report to the Department, such facts or information shall be corrected promptly.

16. Except as otherwise specifically provided in this permit, all submittals in response to permit conditions shall be provided as described below.

a. One hard and one electronic copy in optical media format shall be sent to:

Environmental Administrator  
Hazardous Waste Regulation Section M.S. 4560  
Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

b. In addition to copies sent to the Hazardous Waste Regulation Section in Tallahassee, one hard and one electronic copy of all submittals in response to postclosure or operating permit conditions shall be sent to:

Hazardous Waste Supervisor  
Department of Environmental Protection  
Suite 200B  
7825 Baymeadows Way  
Jacksonville, Florida 32256-7590

17. 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) affected, and the permit number and project name of the permit involved.

18. 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 Rule 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 Rule 62-730.220(10), F.A.C.

19. The Department of Environmental Protection's 24-hour emergency telephone

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

number is (850) 413-9911 or (800) 320-0519. During normal business hours, the DEP District Office may be contacted at (904) 256-1700.

20. The following conditions apply to permit modification and revocation of this permit:

- a. The Department may modify, revoke, reissue or terminate for cause this permit in accordance with Chapters 62-4 and 62-730, F.A.C. The filing of a request for a permit modification, revocation, reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any permit condition. The Permittee may submit any subsequent modifications to the Department for approval. The application shall meet the fee requirements of Rule 62-730.293, F.A.C. The Permittee shall submit the application for revisions to the address in Condition 16 of this Part. The Permittee shall submit a copy of the cover letter accompanying the revisions and the fee to:

Florida Department of Environmental Protection  
Hazardous Waste Regulation Section  
Post Office Box 3070  
Tallahassee, Florida 32315-3070

- b. The modification fee may also be submitted electronically. However, if the Permittee intends to submit the modification fee electronically, the Permittee shall obtain instructions from the Department on how to submit the renewal fee electronically prior to attempting such submittal and shall follow such instructions in making the electronic fee submittal.
- c. Siting criteria are not applicable to this permit.

21. Prior to 180 calendar days before the expiration of this permit, the Permittee shall submit a complete application for the renewal of the permit on forms and in a manner prescribed by the Department unless postclosure care and all corrective action have been completed and accepted by the Department. 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. The Permittee shall submit the renewal to the address in Condition 16 of this Part. The Permittee shall submit one copy of the cover letter accompanying the renewal and the fee to:

Florida Department of Environmental Protection

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

Hazardous Waste Regulation Section  
Post Office Box 3070  
Tallahassee, Florida 32315-3070

The renewal fee may also be submitted electronically. However, if the Permittee intends to submit the renewal fee electronically, the Permittee shall obtain instructions from the Department on how to submit the renewal fee electronically prior to attempting such submittal and shall follow such instructions in making the electronic fee submittal.

22. 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 operations have ceased and the facility has been closed and released from postclosure care requirements and all facility-wide corrective action requirements.
23. The Permittee shall comply with the security provisions of 40 CFR 264.14 and the facility security provisions in the Permit Application.
24. If this facility is a suspected or confirmed contaminated facility 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 62-730.225(4), F.A.C. The Permittee is responsible for supplying, installing and maintaining the warning signs.
25. The Permittee shall visually inspect the facility emergency and safety equipment in accordance with 40 CFR 264.15 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 as the operating record of the facility. Changes, additions, or deletions to the schedule must be approved in writing by the Department.
26. 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 Permit Application.
  - b. The Permittee shall test and maintain the required equipment as necessary to

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

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.
  - e. At a minimum, the Permittee shall maintain aisle space to allow the unobstructed movement of personnel, fire protection, and emergency response equipment to any area of the Facility.
27. The conditions in this permit shall take precedence over the Permit Application documents where there are differences between those documents and the permit conditions.
28. The Permittee may claim that any information required to be submitted by this permit is confidential in accordance with Rule 62-730.100(3), F.A.C.
29. All work plans, reports and 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:
- a. 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; or
  - b. 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.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

30. 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.
31. The following conditions apply to land disposal (placement) of hazardous wastes:
- a. 40 CFR Part 268 identifies 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 once the effective date for the waste has been reached pending final written approval of such application.
  - b. A restricted waste identified in 40 CFR Part 268 Subpart C may not be placed in a land disposal unit without further 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 under 40 CFR Part 268 is prohibited unless the requirements of 40 CFR Part 268 Subpart E are met.
32. The Permittee shall implement remedial activities beyond the facility boundary, if there is suspected or confirmed off-property contamination, to protect human health and the environment, unless the Permittee demonstrates to the satisfaction of the Department that, despite the Permittee's best efforts, as determined by the Department, the Permittee was unable to obtain the necessary permission to undertake such actions. 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 any access to real property necessary for work to be performed in the implementation of this permit. 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. 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

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

Department. The Permittee is not relieved of all responsibility to clean up a release that has migrated beyond the facility boundary where off-property access is denied. On-site measures to address such releases will be determined on a case-by-case basis.

33. The Permittee owns the real property that comprises the Facility. If and when the Permittee intends to transfer parcels to third parties, the Permittee may drop a parcel from the Facility covered by this permit, and the Department will approve the dropping 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 satisfaction of the Department maybe conditioned on a sale with certain legal restrictions on the future use and/or remedial activity requirements on the parcel being dropped. 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 Rule 62-730.290(4), FAC), in the unanticipated and improbable 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.
34. The Permittee shall maintain compliance with 40 CFR Part 264, Subpart H - Financial Requirements and Rule 62-730.180(6), F.A.C. All submittals relating to financial assurance shall be submitted to:

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

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. The cost estimates must be based on the cost to the owner or operator of hiring a third party to conduct remedial activities. 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. In the event the total cost estimate for all remedial activities increases beyond the amount provided by Permittee, the

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

financial assurance instrument(s) must be increased accordingly within 60 days of the estimate increase, or, for those facilities using a financial test, in the next scheduled submittal. If the 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. If contamination from the facility goes beyond the property boundary, the Permittee shall provide assurances of financial responsibility for completion of corrective action beyond the property boundary.

## **PART II - OPERATING CONDITIONS**

### **Part II Subpart A - General Operating Conditions**

1. The Permittee shall notify the Department in writing four weeks prior to receipt of hazardous waste from a foreign source. Notice of subsequent shipments of the same waste from the same foreign source is not required.
2. The owner or operator of a facility that receives 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.
3. 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.
4. 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.
5. Permittee shall comply with the manifest requirements of 40 CFR 264.71 and 264.72. The Permittee must document the reconciliation of any manifest discrepancies.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

6. The Permittee shall comply with the following conditions concerning the Contingency Plan:
  - a. The Permittee shall immediately carry out the provisions in 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 a written report which includes all information required in Part I Condition 8.(b).
  - b. The Permittee shall comply with the requirements of 40 CFR 264.53.
  - 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 amended plans must be distributed to the appropriate agencies.
  - d. The Permittee shall comply with the requirements of 40 CFR 264.55, concerning the emergency coordinator.
7. Sampling and analysis of permitted and new hazardous wastes shall be conducted in accordance with the Waste Analysis Plan (Attachment II.A.5) in the Permit Application.
  - a. The Permittee is liable for waste profiles supplied to generators.
  - b. Prior to acceptance of new waste codes a permit modification is required.
8. 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, that:
  - 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; and

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

- 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.
9. In addition to the copies sent to the Hazardous Waste Regulation Section in Tallahassee, one electronic and one hardcopy of all submittals in response to permit conditions in this Part shall be sent to the district office at the address listed in Part I.16.b.
10. With respect to ignitable and reactive wastes, the Permittee shall comply with 40 CFR 264.17, 264.176, and 264.198. With respect to incompatible wastes, the Permittee shall comply with 40 CFR 264.177 and 264.199.

#### **Part II Subpart B - Specific Operating Conditions**

1. The Permittee is only allowed to thermally treat in the burn pans and burn cages the following hazardous wastes generated at the facility as described in Attachment II.A.5, Table II.A.5-1 of the Permit Application and in accordance with the work instructions in the Standard Operation Procedure COR-TT-1003 as presented in the facility response dated November 30, 2010 to the request for additional information:
  - a. Pyrotechnic powder/composite cuttings, shavings, residues, slurries and unacceptable parts (hazardous waste code D003 which may also carry hazardous waste codes D005, D006, D007, and D008);
  - b. Industrial materials contaminated with reactive wastes (hazardous waste code D003 which may also carry hazardous waste codes D005, D006, D007, and D008); and
  - c. Industrial materials contaminated with both trace amounts of solvents and reactive wastes (hazardous waste codes D003 which may also carry hazardous waste codes D005, D006, D007, D008, F002, F003, and F005).
2. The Permittee shall not thermally treat more than 500 pounds of hazardous waste on any single day. The Permittee shall not accept any hazardous waste for thermal treatment, or any other purpose, that is generated off-property without receiving written permission from the Department.
3. The Permittee shall comply with the waste compatibility requirements of 40 CFR 264.17(b).

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

4. The Permittee is prohibited from:
  - a. Treating on the burn pad(s) waste streams not identified and described in Specific Condition 1 of this Part.
  - b. Treating on the burn pad(s) any waste solvents, in any form, other than those specified in Specific Condition 1.c of this Part, including propellant or oxidizer contaminated with solvents and the solvents necessary to prevent detonation and facilitate safe burning of certain high explosives.
  - c. Treating inert (i.e., nonhazardous) waste on the burn pad(s) except for the group 5-Contaminated Industrial Materials, listed in Attachment II.A.5 of the Permit Application and that are necessary for the safe handling of DOD/DOT Class 1.3 material.
  - d. Boiling off any water/liquid phase, except incidental evaporation of moisture, on the burn pad.
5. The Permittee shall comply with the following requirements prior to thermal treatment:
  - a. Waste may be placed on the pad only when a thermal treatment event is planned within four hours.
  - b. Waste shall not be placed on the pad unless the pad has been cleared of residue from the previous thermal treatment event.
  - c. The following meteorological conditions must be met before thermal treatment shall occur:
    - (1) An absence of thunderstorms and lightening within two hours of thermal treatment;
    - (2) The surface wind speed shall be less than 15 miles per hour for the period two hours before and after thermal treatment;
    - (3) for treatment of lead azide, MK 46 igniter component and MK 124 flare candles, the wind speed shall be between 4.5 and 15 miles per hour for the period two hours before and after thermal treatment; and

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

- (4) Relative humidity shall be greater than 30%.
- d. Thermal treatment shall take place only during the time period between 8:00 A.M. and 5:00 P.M., Monday through Friday.
- e. 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 work instructions listed in Attachment II.A.5 of the Permit Application.
- f. On the day of each scheduled thermal treatment event and prior to transporting the waste to the burn pad(s) the Permittee shall:
- (1) Verify and record the meteorological conditions listed in the Specific Condition 5.c of this Part;
  - (2) Inspect the concrete pads for hot spots, cracks and loose or broken floor or berms;
  - (3) Inspect burn pans/burn cages for hot spots or loose parts;
  - (4) Remove all unauthorized personnel and vehicles within ~~a-1250-foot~~ feet radius of the perimeter of the burn pad;
  - (5) Inspect the fire truck for sufficient water quantity;
  - (6) Check the water pump on the fire truck to see if it is operational; and
  - (7) Maintain written records of all information observed per the requirements of this specific condition and keep them as part of the operating records.
6. If unexpected meteorological conditions arise or if technical difficulties (such as a hangfire) develop, the Permittee may allow the material to remain on the pad under the following conditions;
- a. The pad is covered as soon as safety conditions allow;
  - b. The waste is treated, in compliance with Specific Condition 5 of this Part, as soon as the conditions become safe; and

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

c. No additional waste is placed on the pad.

The Permittee shall remove the waste from the burn pad(s) within four hours, if the Permittee determines that meteorological conditions or technical difficulties will prevent the treatment on the same day, and the waste can be safely removed from the burn pad(s). The cause for the postponement shall be recorded in the operating record.

7. The Permittee shall complete removal of ash, spilled or leaked waste and other residues from the burn pad(s), concrete surfaces and surrounding soils on the same day of the thermal treatment, in accordance with the work instruction of Attachment II.A.5 of the Permit Application. The residue may be removed the next day if the Permittee determines at the end of the day that the residue is too hot to manage. Any accumulated precipitation within the burn pad must be removed within 24 hours and handled as appropriate.
8. The Permittee shall manage ash and other residues, removed from the burn pad(s), in accordance with the procedures described in Attachment II.A.5, II.A.6 and II.I.1 of the Permit Application.
9. Thermal treatment of the hazardous waste shall be conducted by qualified personnel, experienced in handling such reactive material, under the supervision of a law enforcement official, Department of Defense official, bomb squad official, or other agency or MEI personnel who has received a Blaster Permit as issued by the Bureau of Explosives and Fire Equipment, Division of State Fire Marshal's Office, Department of Insurance and Treasury.
10. The Permittee shall provide adequate fire protection to ensure confinement and control of any fire resulting from the operation, as specified in Attachment II.A.5 of the Permit Application. The Permittee shall notify the local fire department of the on-going nature of on-site thermal treatment of reactive waste, and shall allow local fire officials (State Department of Forestry or the Taylor County Fire Marshal) to observe and provide additional fire protections.
11. All the burn pans and burn cages that are determined by the Permittee to be no longer usable for the thermal treatment shall be decontaminated and disposed of within 30 days of such determination, in accordance with the decontamination and disposal procedures as described in Attachment II.I.1 of the Permit Application. A report describing all the decontamination activities must be developed within 15 days of completion of decontamination and kept as part of the operating records.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

12. The Permittee shall conduct inspections of the miscellaneous unit, on each day of the thermal treatment and weekly when the unit is not in operation, to detect precipitation, stains, residues from incomplete combustion, accumulation of stormwater and integrity of burn pads and concrete pads including berms. If a significant deterioration of the concrete pads or joint sealant material is noted during inspections, the Permittee shall re-evaluate the need for repairing the facility and the need for a protective coating on the burn pad. All the inspection reports including corrective actions must be recorded and kept as part of the operating records. [40 CFR 264.15]
13. The Permittee shall implement appropriate remedial actions for the problems discovered during the inspections conducted pursuant to the Specific Condition 12 of this Part. For problems that cannot be remediated within 48 hours, the Permittee shall notify the Department within three working days and follow up with a written report within fourteen days of discovering such problems. The report must include descriptions of the remedial actions taken. The Permittee shall cease operation of the burn pad(s) until completion of the necessary repairs.
14. The Permittee shall keep a quarterly report describing the activities at the burn pad, as described in the work instructions of Attachment II.A.5 of the Permit Application. These reports shall be completed by the twentieth day of the month following the quarter and be available for review upon the Department's request. The quarterly report shall include the following information:
  - a. Description and quantity of each hazardous waste received and treated at the unit.
  - b. Dates of its treatment.
  - c. Location and quantity of each hazardous waste at each location within the accumulation areas material storage buildings at the end of the reporting period as shown in Figure I.B.3-3 of the Permit Application modified November 18, 2010.
  - d. Summary reports and details of all incidents that require implementation of the contingency plan at the unit.
  - e. List of personnel present at each event.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

- f. Weather conditions to include humidity, weather forecast, wind speed and wind direction at each event.
  - g. Copies of manifests showing disposition of burn residues and/or the quantity of burn residues onsite at the end of the reporting period.
  - h. Details of any problems discovered during inspections conducted pursuant to Specific Condition 12 of this Part and details of remedial actions taken.
15. The Permittee shall maintain compliance with the environmental performance standards listed in 40 CFR 264.601 at all times.

#### **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.
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. The Permittee shall modify/revise the approved Closure Plan per the requirements of 40 CFR 264.112(c) and Rule 62-730.290, F.A.C., by submitting a written request to the Department to amend the approved closure plan.
4. The Permittee must complete physical closure activities in accordance with the Closure Schedule in Attachment II.K.1 of the Permit Application. Any changes in the time allowed for closure activities after approval shall require prior written Department approval.
5. The Permittee shall notify the Department 45 days prior to the date on which they expect to begin partial or final closure of a unit(s).
6. At least 30 calendar days prior to initiating closure activities, the Permittee shall prepare and submit a Closure Activities Report with "schedule date" and "completed" columns to document the progress of closure. Upon Department

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

approval, the Closure Activities Report shall be maintained and updated by the Permittee throughout the closure period, with copies submitted monthly to the Department. Each report must be submitted to the Department by the tenth (10th) day of each month for the preceding month until the acceptance of physical closure by the Department. The schedule for submittal can be changed with written Department approval. These reports can be submitted electronically. Any deviation from schedule or described tasks shall be fully documented on the checklist.

7. 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. The Permittee shall complete closure activities within 180 days after notification to the Department of closure. Any changes in the time allowed for closure of the units after approval shall require prior written Departmental approval.
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 wastes, 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 calendar days in advance of any physical closure activity (e.g., soil sampling, soil removal, etc.).
11. 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 must include, but not be limited to, the following:
  - a. Sampling data to verify clean closure;
  - b. Decontamination data;

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

- c. Copies of manifests or other appropriate shipping documents for removal of all hazardous wastes and all contaminated residues;
  - d. Groundwater monitoring data summary pertaining to closure activities;
  - e. A description of the summary of final closure activities; and
  - f. A final inspection check-off sheet.
12. 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, submit an application for a permit modification in accordance with Rule 62-730.290, F.A.C.
13. Within 30 days of determining that all contaminated soil cannot be practically removed, decontaminated or otherwise immobilized, the Permittee shall notify the Department of such determination. Within 90 days of the determination the Permittee shall submit an application for permit modification to close the facility as a landfill or a land disposal unit and perform postclosure care as required by 40 CFR 264.310.
14. Within 30 calendar days of submitting a closure certification for a land disposal unit, including a land disposal unit identified under Condition 13 of this Part, 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 his/her 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 III - POSTCLOSURE CONDITIONS

Not applicable at this time.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

#### **PART IV - ENVIRONMENTAL MONITORING CONDITIONS**

##### **Part IV Subpart A - General Groundwater Monitoring Requirements**

1. The Permittee shall implement the Groundwater Monitoring Plan in the Permit Application approved by the Department on January 31, 2007.
2. The monitoring plan, if required by Condition 1 of this subpart, 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. a map showing all contaminated sites and associated monitoring wells and piezometers, including point of compliance and background wells;
  - b. a construction diagram for each monitoring well and piezometer containing all the information required by Form 62-730.900(2)(b);
  - c. a table or tables listing all monitoring wells and piezometers and the following information for each:
    - (1) the depth, surveyed ground surface elevation and surveyed top of casing elevation;
    - (2) regulatory status, such as point of compliance or background well;
    - (3) frequency of sampling, such as annual, semiannual, not currently sampled;
    - (4) water levels to be measured; and
    - (5) contaminants of concern to be measured.
  - d. provisions for maintaining well integrity and security including locks for each well and repairs or redevelopment for each well;
  - e. a sampling and analysis plan (SAP) in accordance with Rule 62-730.225(3), F.A.C.; and

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

- f. a schedule for periodic submission of Environmental Monitoring Reports.
3. Groundwater monitoring wells used as part of an approved environmental monitoring program in this permit may be abandoned with Department approval. The Permittee shall abandon monitoring wells in accordance with the requirements of Rule 62-532.500(4), F.A.C.
4. The Permittee shall measure groundwater elevations every time any well is sampled as part of the approved groundwater monitoring program. 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 groundwater flow direction and flow rate for each monitoring period.
5. Total depths of all wells must be determined by physical measurement in August of each year to determine if siltation has occurred in any well. Wells are to be redeveloped as necessary. An alternate schedule for determining well depths can be implemented with written Department approval. Changes in schedule will not require a permit modification.
6. The Permittee shall provide the Department with opportunities to observe groundwater sampling and split samples by providing notification either by telephone or electronically at least seven calendar days prior to each sampling event.
7. In the event a groundwater monitor well is damaged and requires repair (not maintenance), the well shall be repaired within 30 days, or before the next sampling event, whichever occurs first.
8. The Permittee shall submit Environmental Monitoring Reports in accordance with the schedule in the approved Environmental Monitoring Plan. The Environmental Monitoring Report should contain the following:
  - a. a map showing location of monitoring wells, piezometers, solid waste management units, areas of concern, and waste management areas;
  - b. reports of any necessary repairs or redevelopment of the wells since the last report;
  - c. the Permittee's analysis and evaluation of the current data and comprehensive effectiveness of the monitoring program;

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

- d. maps of groundwater flow direction(s) and plume delineation(s) (if any) and a table of groundwater elevation data;
  - e. field logs;
  - f. current laboratory analytical data sheets (electronic copy only); and
  - g. an updated monitoring well table containing the information in Part IV Subpart A.2.c.2)-5). The table and accompanying text should provide recommendations, if necessary, based on the evaluation of the monitoring programs effectiveness, for modifications to the monitoring program, including the Sampling and Analysis Plan. Modifications may include the addition of new wells, abandonment of existing wells, changes in sampling frequency, or changes in contaminants of concern. Such changes shall not constitute a permit modification. All recommendations must be approved by the Department in writing. Implemented changes and necessary information such as well construction diagrams and information per Condition 2 of this Subpart will be included in the subsequent Environmental Monitoring Report.
9. All analysis shall be performed on unfiltered groundwater samples [Rule 62-520.310(5), FAC]. Analyses on filtered samples may be performed by the facility, but only for its own use.
  10. All laboratory data will be submitted using the ADaPT quality assurance software. All laboratory datasheets shall be submitted only in electronic format (required in Condition 8.f. of this subpart).
  11. All wells within the facility boundary and not part of the approved groundwater monitoring plan must meet the same security requirements of Condition 2.d. of this part. All wells beyond the facility boundary must be kept secure and locked when unattended.

#### **Part IV Subpart B - Specific Monitoring Conditions for Soil**

1. The Permittee shall sample soils in January and July of each year with Attachment II.M.5, Table II.M.5-4 and Figure II.M.5-1 of the Permit Application. The Permittee may change the soil monitoring conditions with written approval from the Department. A permit modification will not be required. The soil quality monitoring program shall include the following schedule:

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
 EXPIRATION DATE: March 12, 2016

- a. Semiannual particulate monitoring as described in Attachment II.M.5, Table II.M.5-4 of the Permit Application.
- b. A detailed grid sampling soil monitoring described in Attachment II.M.5, Table II.M.5-4 of the Permit Application.
- c. If any of the constituents listed in Analytical Suite A, Attachment II.M.5, Table II.M.5-1 of the Permit Application is detected above the action levels as listed in Condition 4 of this Part during any monitoring event, then that constituent shall be included in the Analytical Suite B, Attachment II.M.5, Table II.M.5-2 of the Permit Application for the following three (3) semiannual sampling events.

The Permittee is not required to conduct particulate monitoring when conducting the soil sampling required in Specific Condition 1.c. of this Subpart.

2. The Permittee shall not collect soil samples, required by this permit, from the same soil borings that have been previously sampled.
3. All of the soil samples collected pursuant to Specific Condition 1 of this Subpart shall be analyzed for the following in accordance with Chapter 62-160, F.A.C.:
  - a. For all events **except** the January 2015 event, the Permittee shall sample for the following:

<b>Nonexplosives</b>			
Aluminum	Copper	Nickel	Percent Moisture
Arsenic	Lead	Tungsten	
Chromium	Magnesium	Total Phosphorus	

- b. For the January 2015 sampling **only** the Permittee shall sample for the following:

<b>Nonexplosives</b>			
Aluminum	Boron	Lead	Tungsten
Antimony	Cadmium	Magnesium	Zinc
Arsenic	Chromium	Nickel	Zirconium
Barium	Copper	Titanium	
Total Recoverable Petroleum Hydrocarbons (TRPH)			
Percent Moisture			
Acetone		Isopropanol	
<b>Explosives</b>			

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
 EXPIRATION DATE: March 12, 2016

Nitrocellulose	PETN	Nitrobenzene
Nitroglycerin	RDX	Tetrazine*
1-Methylaminoanthraquinone	HMX	2,4-Dinitrotoluene
Phosphorus**	Styrene	Diphenylamine
Perchlorate		

- \* A method for tetrazine has not been currently identified. The Permittee shall certify annually that a laboratory capable of analyzing for tetrazine has not been identified until such time as one is located. The certification should be included in the Soil Monitoring Report.
- \*\* Phosphorus monitoring shall begin during the sampling event prior to notification to the Department of the Permittee's intent to initiate the Red Phosphorus program.

A detailed grid depicting sampling soil monitoring locations can be found on Figure II.M.5-1 in the Permit Application.

4. The Industrial Soil Cleanup Target Levels (SCTLs) and action levels (80% of SCTLs) are:

Analyte	Industrial SCTL (mg/kg)	Action Level (mg/kg)
Aluminum	---	---
Antimony	370	296
Arsenic	12	9.6
Barium	130,000	104,000
Boron	430,000	340,000
Cadmium	1,700	1,360
Chromium, Total	470	376
Copper	89,000	71,200
Lead	1,400	1,120
Magnesium	---	---
Nickel	35,000	28,000
Titanium	2,038	1,630.4
Tungsten	---	---
Zinc	630,000	504,000
Zirconium	7,500	6,000
TRPH	2,700	2,160

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
 EXPIRATION DATE: March 12, 2016

Acetone	68,000	54,400
Isopropanol	---	---
Nitrocellulose	PQL	+
Nitroglycerin	54	43.2
1-Methylaminoanthraquinone	PQL	+
PETN	PQL	+
RDX	28	22.4
HMX	57,000	45,600
Styrene	23,000	18,400
Nitrobenzene	140	112
Tetrazine*	PQL	+
2,4-Dinitrotoluene	4.3	3.44
Diphenylamine	40,000	32,000
Perchlorate	---	---
Phosphorus	---	---

--- No SCTL established.

+ The permit may be modified to incorporate a specific SCTL when more data become available.

\*A method for tetrazine has not been currently identified. The Permittee shall certify annually that a laboratory capable of analyzing for tetrazine has not been identified until such time as one is located. The certification should be included in the Soil Monitoring Report

PQL = Practical Quantitation Limit.

5. If there are any exceedences of Action Levels (Specific Condition 4 of this Subpart), the Permittee shall submit a soil quality monitoring analysis report to the Department within sixty (60) days of any soil sampling event required by Specific Condition 1 of this Part. If the Permittee is unable to submit the report with the specified time, the Permittee shall comply with General Condition 8.
6. If any soil quality monitoring analyte concentration exceeds eighty percent of either the industrial SCTLs or the Action Levels in Specific Condition 4 of this Subpart the Permittee shall:
  - a. Notify the Department of these findings within seven (7) calendar days. The notification must include a list of analytes which exceeded exposure

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

concentrations, their locations and respective concentration levels.

- b. If the exceedence is related to an individual soil sampling point, then within fourteen (14) calendar days, the Permittee shall collect soil samples from the same location(s) and analyze it/them for the subject analyte(s). The Permittee shall provide the Department with analytical data within forty-five (45) calendar days of sampling.
  - c. If the exceedence is related to a particulate sample station, then the Permittee shall follow the procedures described in Alarm Monitoring using the Constituent Specific Graphical Accumulation Summary, Attachment II.M-5 of the Permit Application. The Permittee shall provide the Department with the analytical data within forty-five (45) calendar days of sampling.
  - d. If the exceedence is related to a particulate sample station, and the Permittee cannot correlate the exceedence to isolate sampling points, then the Permittee may opt to conduct a complete round of soil sampling or may elect to submit a plan to the Department for assessment and remediation of the soil contamination. The Permittee shall provide the analytical data to the Department within forty-five (45) days of resampling or submit a plan forty-five (45) days of the original notification, required by Specific Condition 6.a. of this Subpart.
  - e. If soil sampling confirms that the concentration of any analyte is above eighty percent (80%) of either the industrial SCTLs or the Action Levels in Specific Condition 4 of this Subpart, then within thirty (30) calendar days of submitting the soil data from the resampling event the Permittee shall submit a plan to the Department for assessment and remediation.
7. The Permittee shall provide the Department with opportunities to observe particulate and soil sampling and split samples by providing notification (either over the telephone or through electronic mail) at least seven (7) calendar days prior to each sampling event).

#### **Part IV Subpart C - Specific Groundwater Monitoring Requirements for Regulated Units**

1. The Permittee shall determine the concentration of each constituent from the 40 CFR 264 Appendix IX list, less pesticides, herbicides, dioxins, PCBs and furans. This

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

sampling shall be conducted at the point-of-compliance well or wells most representative of the groundwater quality, as approved by the Department based on the groundwater monitoring conducted pursuant to this Part.

2. If the Permittee finds 40 CFR 264 Appendix IX constituents in the groundwater, the Permittee may resample within one month and repeat the Appendix IX analysis for those contested constituents. If the second analysis confirms the presence of new constituents, the Permittee must report the concentration of these additional constituents to the Department within seven calendar days and add them to the monitoring list. If the Permittee chooses not to resample, then the Permittee must report the concentrations of these additional constituents to the Department within seven calendar days after completion of the initial analysis and add them to the monitoring list.
3. The Permittee shall utilize the statistical analysis outlined in section II.M.6 of the Permit Application to compare monitoring wells PC-1, PC-2, PC-3R, PC-3, PC-5 and PC-6 with either their respective cleanup target levels or background (PC-4) concentrations to determine significant evidence of contamination for any constituents detected during the sampling required by Condition 1, Part IV, Subpart A, in accordance with 40 CFR 264.98.
4. All groundwater monitoring for regulated units must meet the requirements of 40 CFR 264.97.
5. The Waste Management Area [40 CFR 264.95(b)] shall be designated by an imaginary line circumscribing the miscellaneous unit, the extent of the soil sampling area, and adjacent Point of Compliance (POC), as indicated in Attachment B of this permit.
6. The Point of Compliance shall be the south and west edges of the Waste Management Area, as shown on Attachment B of this permit.
7. The POC wells are PC-1, PC-2R, PC-3, PC-5 and PC-6. The background well is PC-4 (Attachment C). 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 program.
8. Upon permit issuance, the facility shall be in detection monitoring in accordance with (40 CFR 264.98).

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
 EXPIRATION DATE: March 12, 2016

9. Not applicable at this time.
10. All POC wells and background wells shall be sampled in accordance with the schedule as specified in the Sampling and Analysis Plan required by Condition 2, Part IV Subpart A until the Department accepts the Certification of Postclosure. These results shall be submitted along with the next groundwater monitoring report required by Condition 2.g. Part IV Subpart A.
11. The Permittee shall sample all wells, specified in Specific Condition 7 of this Subpart for the following parameters, according to the following schedule:
- a. For the fifth (August 2013) and tenth (February 2016) semiannual events following permit issuance:

aluminum	antimony	arsenic
barium*	boron*	cadmium
chromium, total	copper	lead
magnesium	nickel	strontium
titanium	tungsten*	zinc
zirconium	acetone*	2,4-dinitrotoluene*
diphenylamine*	HMX*	hydrocarbons (as diesel)
isopropanol*	1-methylaminoanthraquinone*	nitrobenzene*
nitrocellulose*	nitroglycerin*	perchlorate
PETN*	RDX	styrene*
tetrafluoroethene**/**	tetrazine**/**	fluoride
phosphorus, total****		
field pH	field specific conductance	field turbidity

- b. For all other sampling events following permit issuance:

aluminum	arsenic	barium
boron	cadmium	chromium, total
copper*	lead	magnesium
nickel*	titanium	tungsten
zinc*	zirconium*	perchlorate
total phosphorus****	field pH	field specific conductance
tetrafluorethene**/**	tetrazine*/**	

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
 EXPIRATION DATE: March 12, 2016

- \* This analyte will be monitored in groundwater if detected in soil at concentrations above the action level (Condition 3, Part IV, Subpart B).
- \*\* No analytical method is currently available. When an analytical method becomes available and accepted by the Department the Permittee shall modify the SAP for this analyte.
- \*\*\* A method for tetrazine has not been currently identified. The Permittee shall certify annually that a laboratory capable of analyzing for tetrazine has not been identified until such time as one is located. The certification should be included in the Groundwater Monitoring Report.
- \*\*\*\* Phosphorus monitoring shall begin during the sampling event prior to notification to the Department of the Permittee's intent to initiate the Red Phosphorus program.

**Part IV Subpart D - Groundwater Cleanup Target Levels**

1. The groundwater cleanup target levels (GCTLs) for these contaminants of concern will be as follows:

Analyte	GCTL (µg/l)	Analyte	GCTL (µg/l)
aluminum	200	acetone	6,300
antimony	6	2,4-dinitrotoluene	0.05
arsenic	10	diphenylamine	180
barium	2,000	HMX	350
boron	1,400	hydrocarbons (as diesel)	5,000
cadmium	5	isopropanol	4,700
chromium, total	100	1-methylaminoanthraquinone	10
copper	1,000	nitrobenzene	3.5
lead	15	nitrocellulose	100
magnesium	*	nitroglycerin	17
nickel	100	PETN	11,900
perchlorate	4	phosphrous, total	*
strontium	4,200	RDX	0.3
titanium	28,000	styrene	100
tungsten	29.2	tetrafluoroethene	43
zinc	5,000	tetrazine	91

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

zirconium	175	fluoride	4,000
-----------	-----	----------	-------

\* No GCTL established.

- The Department may modify this permit to reflect changes in Groundwater Cleanup Target Levels based on most current information, unless a remedy is designed and approved.

#### PART V - CORRECTIVE (REMEDIAL) ACTION CONDITIONS

- The Conditions of this Part apply to:
  - The SWMUs and AOCs identified in Appendix A;
  - Any additional SWMUs or AOCs discovered during the course of groundwater monitoring, field investigations, environmental audits, or other means; as used in this Part of the permit, the terms "discover", "discovery", or "discovered" refer to the date on which the Permittee either:
    - visually observes evidence of a new SWMU or AOC;
    - visually observes evidence of a previously unidentified release of contaminant(s) to the environment; or
    - receives information from a credible source of the presence of a new release of contaminant(s) to the environment; and
  - Contamination that has migrated beyond the facility boundary, if applicable.
- Within 15 calendar days of discovery, the Permittee shall notify the Department in writing of any newly discovered release(s) of contaminant(s) to the environment; any suspected new AOC(s); and any additional SWMU(s) discovered during the course of groundwater monitoring, field investigations, environmental audits, or other means. 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 topographic map of appropriate scale; general dimensions of affected area; media affected; hazardous constituents released; and magnitude of release). The Department may conduct, or require that the Permittee conduct, confirmatory sampling in order to determine whether contamination is present. The Department will notify the Permittee in writing of the

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

final determination as to the status of the newly discovered or suspected site.

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. Unless the notification letter specifically establishes a different time frame for work plan submittal, the Work Plan shall be submitted within 60 calendar days of notification by the Department that a CS Work Plan is required. 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.

In accordance with the schedule in the approved CS Work Plan, or no later than 60 calendar days after Department written approval of a CS Work Plan if no schedule is included in the Work Plan, the Permittee shall submit a Confirmatory Sampling (CS) 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 contaminant(s) that is removed from the soil, sediment, surface water, and groundwater to cleanup target levels or 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 62-780.550 FAC, the Permittee must meet the notification requirements of Condition 2 of this Part, notifying the Department 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 62-780.500(7)(a) F.A.C.
5. Upon notification by the Department, the Permittee shall 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. Unless the notification letter specifically establishes a different time frame to commence or complete site assessment, 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.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

6. Upon notification by the Department, the Permittee shall submit to the Department an Interim Measures (IM) Work Plan for any release, SWMUs or AOCs that the Department determines necessary to minimize or prevent further migration of contaminants or to limit human or environmental exposure to contaminants. The IM Work Plan shall be designed to mitigate any current or potential threat(s) to human health or the environment and to be consistent with long-term corrective actions at the facility. The IM Work Plan shall include the IM objectives, procedures for implementation, a schedule of activities, and associated designs, plans, and specifications.
7. If the Department or the Permittee at any time determines that any approved work plan no longer satisfies the requirements of 40 CFR 264.101 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 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. Within 30 days of Department written approval of the remedial alternative(s) selected, the Permittee shall publish notice of a proposed permit modification in accordance with Rule 62-730.292(3)(c), F.A.C. This modification will serve to incorporate a final remedy into this permit. 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 Rule 62-780.700(13). The intent to implement a different approved remedy in a performance based Remedial Action Plan can be provided in the Remedial Action Status Report.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

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.

4. When site rehabilitation (remedial action) is complete, the Permittee shall submit to the Department a Site Rehabilitation Completion Report in accordance with Chapter 62-780, 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**

Not applicable at this time.

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

**Appendix A**  
**Summary of Facility Sites (Solid Waste Management Units and Areas of Concern)**

<b>A.1. List of SWMUs/AOCs requiring Confirmatory Sampling:</b>				
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.				
<b>A.2. List of SWMUs/AOCs requiring a Site Assessment (a/k/a RCRA Facility Investigation [RFI]) or a Risk Assessment:</b>				
SWMU/AOC Number/Letter	SWMU/AOC Name	SWMU/AOC Comment	Dates of Operation	Potentially Affected Media
There are no units identified at this time as requiring a Site or Risk Assessment.				
<b>A.3. List of SWMUs/AOCs requiring a Remedial Action Plan or Natural Attenuation with Monitoring Plan (a/k/a Corrective Measures Study [CMS]):</b>				
SWMU/AOC Number/Letter	SWMU/AOC Name	SWMU/AOC Comment	Dates of Operation	Affected Media
There are no units identified at this time requiring a Remedial Action Plan or a Natural Attenuation with Monitoring Plan.				
<b>A.4. List of SWMUs/AOCs implementing a Remedial Action Plan or Natural Attenuation with Monitoring Plan (a/k/a Corrective Measures Implementation Report [CMI]):</b>				
There are no units identified at this time undergoing a Remedial Action Plan or a Natural Attenuation with Monitoring Plan.				
<b>A.5. List of SWMUs/AOCs at which Site Rehabilitation Completion Determinations without controls have been made:</b>				
SWMU/AOC Number/Letter	SWMU/AOC Name	Unit Comment	Dates of Operation	
18	Open Burn Unit	Thermal Treatment Area*	Early 1990s to present	
19	Former Open Burn/Test Area	Thermal Treatment Area	1968 to early 1980s	

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO

EXPIRATION DATE: March 12, 2016

20	Former Residue Drum Storage Area	Drum Storage Area	Approximately 1987 to 1992
22	Less than 90-day Drum Storage Pad	Drum Storage Pad	Approximately 1985 to present
25	Bldg 21 Waste Accumulation Area	Waste Accumulation Area	Approximately 1991 to present
44	Waste Dumpsters	Waste Accumulation Containers	Approximately 1969 to present
46	Zinc Dross/Fuse Disposal Area	Disposal Area	1968 to approximately 1978
48	M-42 Primers Landfill	Landfill	1968 to approximately 1978
52	Chromate Line Containment	Waste Accumulation Containers	1992 to present
54	Zinc Phosphatizing Line Containment	Process Containment Area	1969 to present
55	Zinc Wastewater Sump	Concrete Sump	Approximately 1974 to present
57	Former Chromium Reduction Tank	Treatment Tank	1974 to 1986
59	Temporary Sludge Holding Tank	Aboveground Tank	1974 to 1992
60	Interim Zinc Wastewater Holding Tanks	Aboveground Tanks	1974 to present
61	Zinc Wastewater Treatment Tank	Aboveground Tank	1974 to present
62	Wastewater Treatment Piping	Aboveground and Underground Piping	Approximately 1974 to present
65	Sludge Accumulation Area	Less Than 90-Day Drum Storage Area	Approximately 1983 to present
66	Bldg 114 Floor Sump	Blind Sump	Approximately 1991 to present
70	Former Sludge Drying Trenches	Landfill	1974 to 1983

US EPA ARCHIVE DOCUMENT

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
 EXPIRATION DATE: March 12, 2016

73	Treated Wastewater Pipeline	Underground Pipeline	Approximately 1974 to present
74	Wastewater Treatment Ditch	Discharge Area	1969 to present
76	Laboratory Septic Drainfield	Septic System	1969 to 1992
78	Bldg 12 Septic Drainfield	Septic System	Unknown to approximately 1992
80	X-ray Septic Drainfield	In-ground Sump	1992 to present
83	Laundry Discharge Area	Discharge Area and Sump	1969 to 1992
84	Compressor Discharge Area	Blowdown Discharge Areas	Approximately 1969 to 1992
85	Bldg 3A Discharge Area	Discharge Area	Approximately 1969 to 1992
86	Discharge Collection Area	Discharge Area	1969 to 1992
87	Bldg 28 Loading/Unloading Area	Less Than 90-Day Drum Storage Area	1978 to present
B	MK124 Testing Areas	Product Testing Areas	1992 to present
C	Test Grid Area	Product Testing Area	1992 to present
D	Bldg 94 Loading/Unloading Area	Loading/Unloading Area	1974 to present
E	Bldg 25 Loading/Unloading Area	Loading/Unloading Area	Approximately 1985 to present
F	Paint Room	Materials Management Area	1991 to present

**A.6. List of SWMUs/AOCs at which Site Rehabilitation Completion Determinations with controls have been made:**

SWMU/AOC Number/Letter	SWMU/AOC Name	Unit Comment and Basis for NFA	Dates of Operation
------------------------	---------------	--------------------------------	--------------------

There are no units identified at this time at which Site Rehabilitation Completion Determinations with controls have been made.

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
 EXPIRATION DATE: March 12, 2016

<b>A.7. List of SWMUs/AOCs Where No Further Action Determinations have been made based on no suspected or confirmed contamination:</b>			
<b>SWMU/AOC Number/Letter</b>	<b>SWMU/AOC Name</b>	<b>Unit Comment and Basis for NFA</b>	<b>Dates of Operation</b>
1	Building 93 Dust Collector	No evidence of releases to soil or groundwater	Approximately 1991 to present
2	Building 95 Dust Collector	No evidence of releases to soil or groundwater	Approximately 1991 to present
3	Building 115 Dust Collector	No evidence of releases to soil or groundwater	Approximately 1991 to present
4	Reactive Waste Accumulation Bldg P128	No evidence of releases to soil or groundwater	Approximately 1987 to present
5	Reactive Waste Accumulation Bldg P77	No evidence of releases to soil or groundwater	Approximately 1987 to present
6	Reactive Waste Accumulation Bldg P35	No evidence of releases to soil or groundwater	Approximately 1987 to present
7	Reactive Waste Accumulation Bldg P35	No evidence of releases to soil or groundwater	Approximately 1991 to present
8	Reactive Waste Accumulation Bldg P48	No evidence of releases to soil or groundwater	Approximately 1987 to present
9	Reactive Waste Accumulation Bldg P23	No evidence of releases to soil or groundwater	Approximately 1987 to present
10	Reactive Waste Accumulation Bldg P38	No evidence of releases to soil or groundwater	Approximately 1987 to present
11	Reactive Waste Transport Trailers	No evidence of releases to soil or groundwater	Approximately 1987 to present

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO

EXPIRATION DATE: March 12, 2016

12	Bldg P58 Weigh Station	No evidence of releases to soil or groundwater	Approximately 1987 to present
13	Reactive Waste Storage Bldg P60	No evidence of releases to soil or groundwater	Approximately 1987 to present
14	Reactive Waste Storage Bldg P61	No evidence of releases to soil or groundwater	Approximately 1987 to present
15	Reactive Waste Storage Bldg P38	No evidence of releases to soil or groundwater	Approximately 1987 to present
16	Reactive Waste Storage Bldg P63	No evidence of releases to soil or groundwater	Approximately 1987 to present
17	Reactive Waste Storage Bldg P38	No evidence of releases to soil or groundwater	Approximately 1987 to present
21	Former Residue Drum Storage Area	No evidence of releases to soil or groundwater	Approximately 1987 to 1992
23	Trailer TR-5	No evidence of releases to soil or groundwater	Approximately 1973 to present
24	Bldg 63 Casings Accumulation Area	No evidence of releases to soil or groundwater	Approximately 1991 to present
25	Bldg 21 Waste Accumulation Area	No evidence of releases to soil or groundwater	Approximately 1991 to present
26	NCZ Skimming Satellite Accumulation Area	No evidence of releases to soil or groundwater	Unknown to present
27	Compressor Blowdown Drums	No evidence of releases to soil or groundwater	Unknown to present

US EPA ARCHIVE DOCUMENT

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO

EXPIRATION DATE: March 12, 2016

28	Residual Developer/Fixer SAA	No evidence of releases to soil or groundwater	1992 to present
29	Bldg 113 Waste Collection Area	No evidence of releases to soil or groundwater	Approximately 1991 to present
30	Flare Leak Test Drum	No evidence of releases to soil or groundwater	Approximately 1985 to present
31	Flair Soapy Water Drums	No evidence of releases to soil or groundwater	Approximately 1985 to present
32	MK124 Testing Waste Drums	No evidence of releases to soil or groundwater	1992 to present
33	Blending Operations Waste Containers	No evidence of releases to soil or groundwater	Approximately 1985 to present
34	Bldg 51 SAA	No evidence of releases to soil or groundwater	1993 to present
35	Bldg 18 SAA	No evidence of releases to soil or groundwater	Approximately 1992 to present
36	Paint Room SAA	No evidence of releases to soil or groundwater	1991 to present
37	Bldg 112 Floor Sweep Drum	No evidence of releases to soil or groundwater	Unknown to present
38	Bldg 112 Mop Sweep Drum	No evidence of releases to soil or groundwater	Unknown to present
39	M201 Waste Collection Drums	No evidence of releases to soil or groundwater	Unknown to present
40	Used Oil Collection Drum	No evidence of releases to soil or groundwater	Unknown to present

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO

EXPIRATION DATE: March 12, 2016

41	Dip Tank Skimmings Drum	No evidence of releases to soil or groundwater	Approximately 1985 to present
42	Dip Tank Containment Area	No evidence of releases to soil or groundwater	Approximately 1985 to present
43	Sand Blasting Sand Drum	No evidence of releases to soil or groundwater	1992 to present
45	Dump Truck	No evidence of releases to soil or groundwater	Approximately 1982 to present
49	Former Detonator Disposal Area	No evidence of releases to soil or groundwater	Approximately 1982 to present
50	Plating Area Floor Drain	No evidence of releases to soil or groundwater	Approximately 1969 to present
51	Bldg 21 Containment Sumps	No evidence of releases to soil or groundwater	1992 to present
53	Zinc Electroplating Line Containment	No evidence of releases to soil or groundwater	1969 to present
56	Chromium Wastewater Sump	No evidence of releases to soil or groundwater	Approximately 1974 to present
58	Chromium Reduction Tank	No evidence of releases to soil or groundwater	1983 to present
63	Filter Press	No evidence of releases to soil or groundwater	Approximately 1991 to present
64	Sludge Dryer	No evidence of releases to soil or groundwater	Approximately 1991 to present
67	Filtrate Return Tank	No evidence of releases to soil or groundwater	Approximately 1991 to present

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
 EXPIRATION DATE: March 12, 2016

68	Spent Alkaline Cleaner Tank	No evidence of releases to soil or groundwater	Approximately 1991 to present
69	Former Sludge Tanker	No evidence of releases to soil or groundwater	Approximately 1984 to present
71	Sludge Drying Beds	No evidence of releases to soil or groundwater	Approximately 1984 to present
72	Filtrate Return Sumps	No evidence of releases to soil or groundwater	1983 to approximately 1992
77	Laboratory Accumulation Drums	No evidence of releases to soil or groundwater	1992 to present
79	Blending Screens Washing Area	No evidence of releases to soil or groundwater	1992 to present
81	X-ray Rinsewater Sump	No evidence of releases to soil or groundwater	1992 to present
82	X-ray Rinsewater Drum	No evidence of releases to soil or groundwater	1992 to present
<b>A.8. List of SWMUs/AOCs that are currently active and will undergo Closure at the cessation of activities</b>			
SWMU/AOC Number/Letter	SWMU/AOC Name	Unit Comment	Dates of Operation
18	Open Burn Unit*	Thermal Treatment Area	Early 1990s to present
75	Percolation Pond**	Percolation/ Evaporation Impoundment	1969 to present
*This unit is currently handled under the Department's Base Program Permit.			
**This unit is currently managed under the Department's Industrial Wastewater Permit. When the pond ceases to operate, the Permittee shall submit a Closure Plan to meet the requirements of 40 CFR 264.101.			

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO

EXPIRATION DATE: March 12, 2016

Issued August 15, 2011

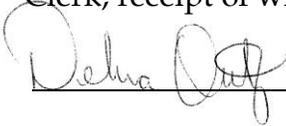
STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



**FLETCHER HERRALD, ACTING CHIEF  
BUREAU OF SOLID AND HAZARDOUS WASTE**

Filing and Acknowledgment

Filed on this date, pursuant to Section 120.52, Florida Statutes, with the designated Clerk, receipt of which is acknowledged.



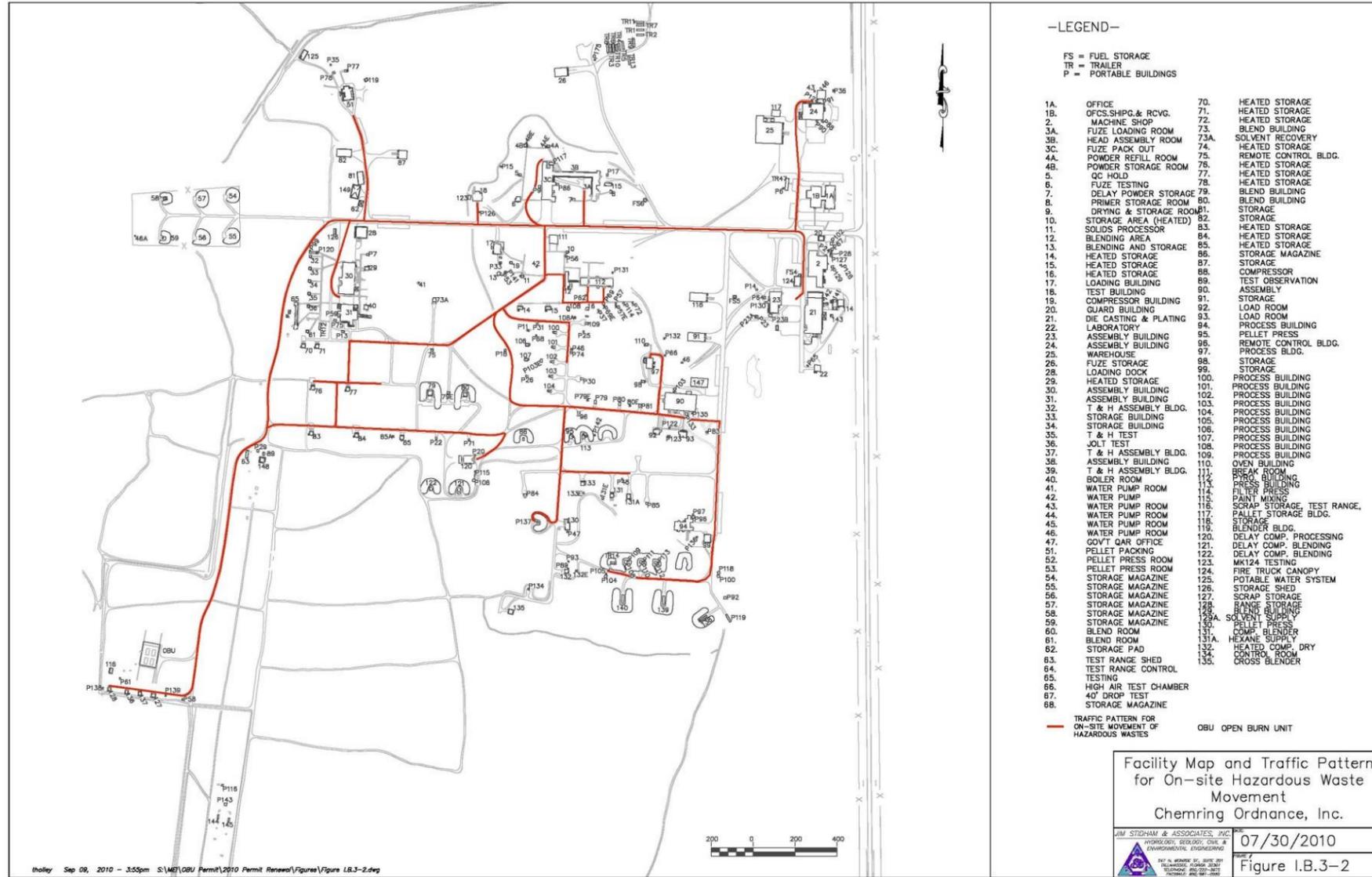
CLERK

August 15, 2011  
DATE

PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
 EXPIRATION DATE: March 12, 2016

Attachment A Facility Map

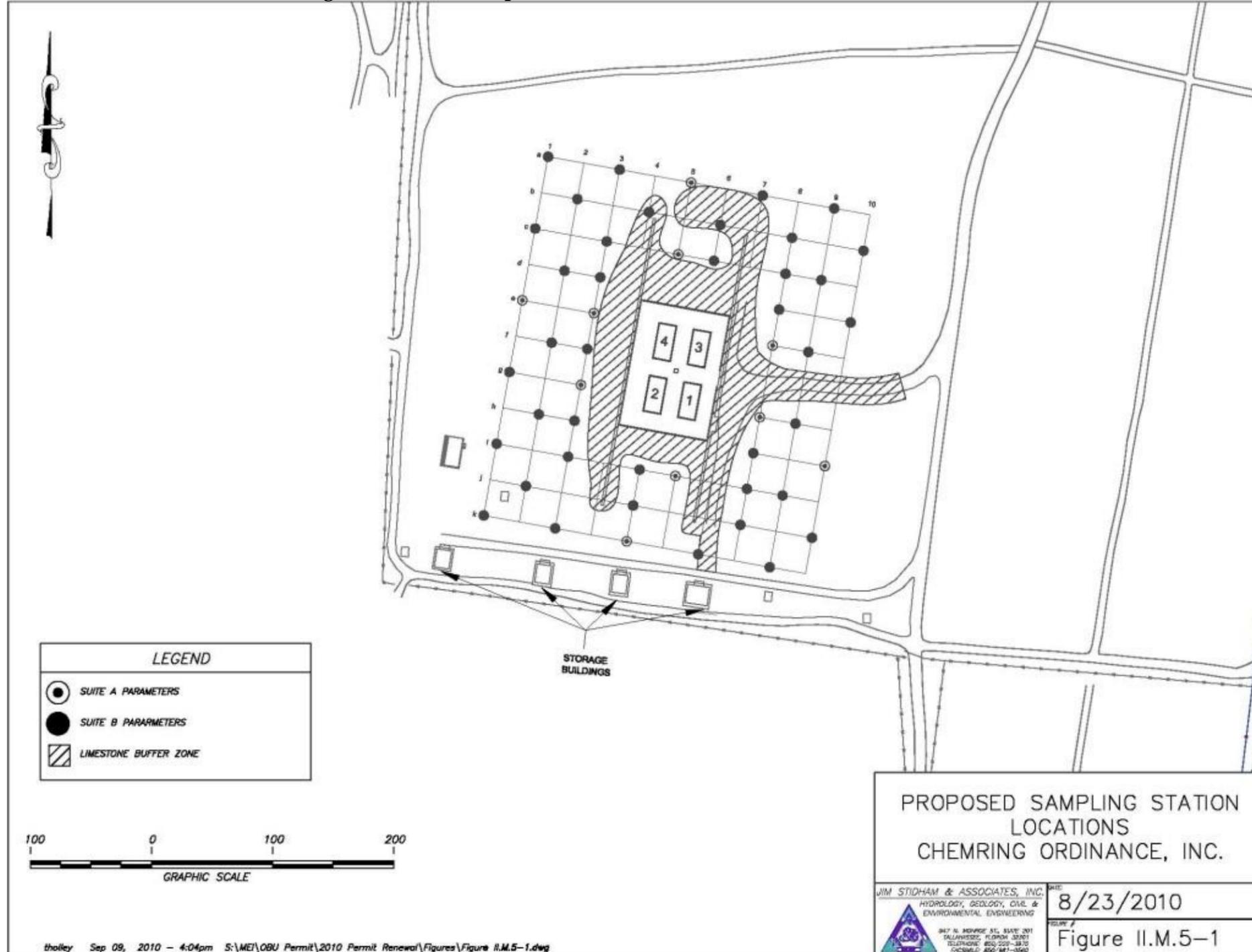


US EPA ARCHIVE DOCUMENT

PERMITTEE:  
Chemring Ordnance, Inc  
10625 Puckett Road  
Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
PERMIT/CERTIFICATION NUMBER: 16099-010-HO  
EXPIRATION DATE: March 12, 2016

**Attachment B**  
**Waste Management Area and Open Burn Unit**

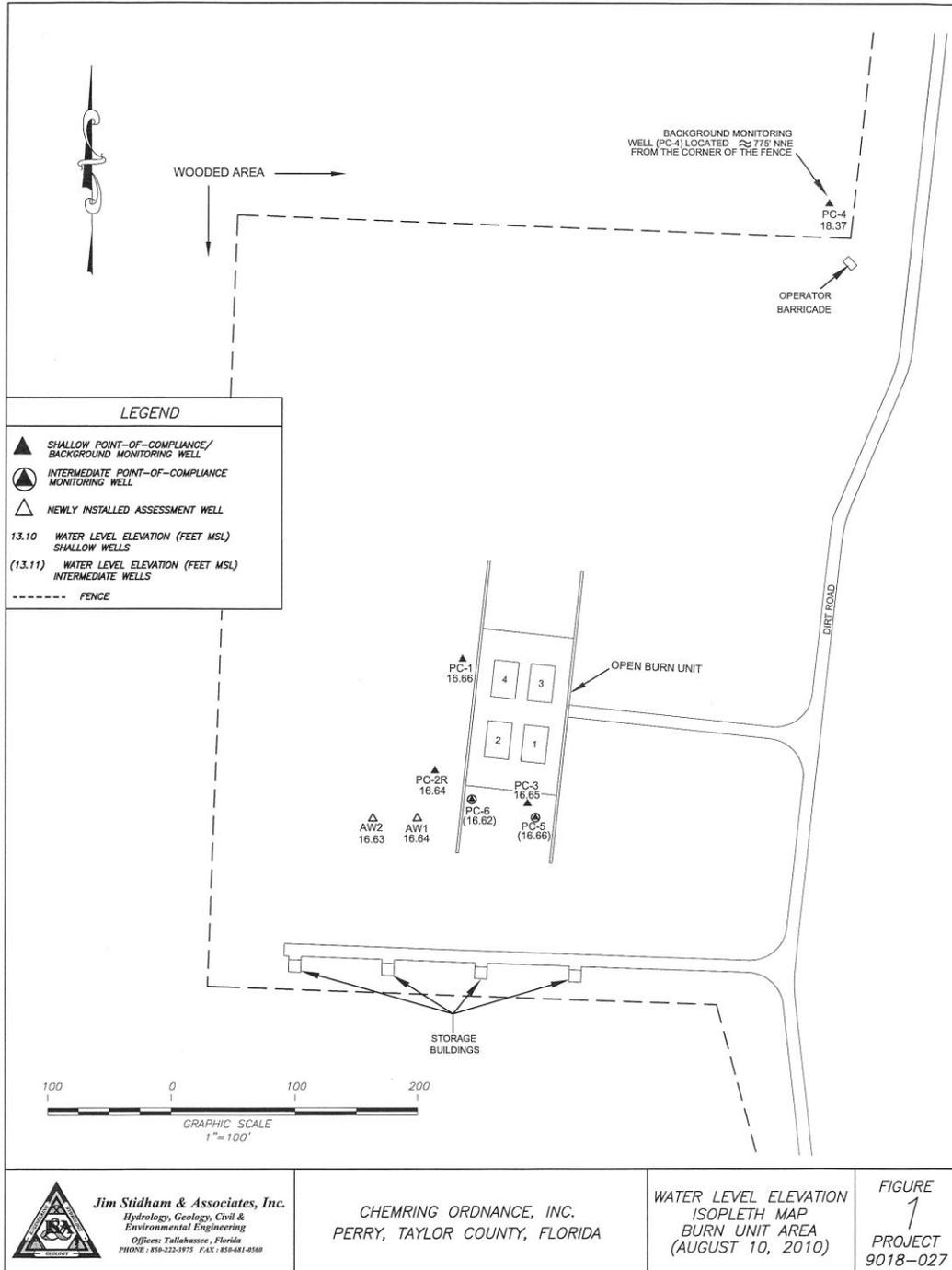


PERMITTEE:  
 Chemring Ordnance, Inc  
 10625 Puckett Road  
 Perry, Florida 32340

I.D. NUMBER: FLD 047 966 593  
 PERMIT/CERTIFICATION NUMBER: 16099-010-HO

EXPIRATION DATE: March 12, 2016

### Attachment C Monitoring Well Locations



**Jim Stidham & Associates, Inc.**  
 Hydrology, Geology, Civil &  
 Environmental Engineering  
 Offices: Tallahassee, Florida  
 PHONE: 909-225-9979 FAX: 909-941-8160

CHEMRING ORDNANCE, INC.  
 PERRY, TAYLOR COUNTY, FLORIDA

WATER LEVEL ELEVATION  
 ISOPLETH MAP  
 BURN UNIT AREA  
 (AUGUST 10, 2010)

FIGURE  
 1  
 PROJECT  
 9018-027

US EPA ARCHIVE DOCUMENT