

US EPA ARCHIVE DOCUMENT



Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi A. Drew
Secretary

October 15, 2010

SENT VIA EMAIL

David.maharrey@eglin.af.mil

Bruce.miclintock@eglin.af.mil

David. H. Maharrey, Jr.
Colonel USAF, 96 CEG Commander
Eglin Air Force Base
501 DeLeon Street, Suite 101
Eglin Air Force Base, Florida ZIP

Bruce H. McClintock
Colonel USAF, 96 ABW Commander

SUBJECT: Eglin Air Force Base
FL8 570 024 366
Operating Action Permit 0006176-005-HO
Okaloosa County

Dear Colonel Maharrey and Colonel McClintock:

Enclosed is Permit Number 0006176-006-HO specifically for operation of two miscellaneous units and continuation of Corrective Action including corrective action requirements under the Department's authorized program for implementing/continuing the federal Hazardous and Solid Waste Amendments (HSWA). 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.

Sincerely,



Tim J. Bahr, Administrator
Hazardous Waste Regulation

TJB/cs

cc with enclosure:

Karen Knight,, EPA/Region 4 knight.karen@epamail.epa.gov
Jim Byer, DEP/Pensacola james.byer@dep.state.fl.us
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PERMITTEE:

Eglin Air Force Base
501 DeLeon Street, Suite 101
Eglin Air Force Base, Florida
32542-5133

I.D. NUMBER: FL8 570 024 366

PERMIT/CERTIFICATION NUMBER: 0006176-006-HO

DATE OF ISSUE: OCTOBER 15, 2010

EXPIRATION DATE: September 1, 2015

ATTENTION:

Installation Commander, Owner
96 Air Base Wing/Civil Engineering
Group Commander, Operator

COUNTY: Okaloosa

LATITUDE / LONGITUDE: 30°28'34"N/86°29'54"W

PROJECT: Operation of two miscellaneous units and
continuation of Corrective Action
requirements.

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 0001676-005-HO. The above-named Permittee is hereby authorized to perform the work or operate the facility shown on the application April 11, 2006, its subsequent revisions, and the renewal application dated February 27, 2006 and the renewal application dated February 23, 2010 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:

Eglin AFB and other Department of Defense units in the region generate hazardous waste explosives and military munitions that are no longer suitable for service. The safest method of handling these items is treatment at Eglin AFB.

Eglin AFB will open burn and open detonate waste military explosives on Ranges C-62 and C-52 North (N).

The open burn units are specially-designed burn kettles with a detachable fuel source. The individual burn kettle is designed for thermally treating reactives or propellants, explosives, and pyrotechnics (PEP-type) wastes. It is a vented, steel box with a removable lid that has been designed to contain metal fragments plus much of the solid combustion residues. The PEP-loaded burn kettles are placed onto the retracted carbottom of the Transportable Burn Kettle Processor (TBKP) and then the loaded carbottom is moved back into the TBKP's thermal processing chamber. The chamber

More Protection, Less Process"
www.dep.state.fl.us

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door is closed and the insulated processing chamber is then heated up until the burn kettle(s) are approximately 1000°F. This temperature will ensure that all PEP waste inside the burn kettles has been thoroughly destroyed. This operation occurs on Range C-62 however Range C-52N is an alternate location.

Open Detonation (OD) operations occur at locations on Range C-52N and Range C-62 directly on the ground surface. Craters formed by previous OD operations are used for OD events. Soon after the OD unit can be safely approached following completion of a detonation (generally within one hour of the detonation), the OD unit is inspected for any items, which remain after detonation. Negligible energetic material is detonated immediately. Large metallic items not containing energetic materials are transported to the TBKP for burning and then offered for recycle/resale.

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 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 Eglin Air Force Base, Florida.

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

1. **Letters of Concurrence, LF-10, Field 2, North Landfill**, Eglin AFB, FL, dated June 30, 2000.
2. **Letters of Concurrence, LF-08, Receiver Landfill**, Eglin AFB, FL, dated June 30, 2000.
3. **Final Statement of Basis, Site OT-83, Poconsin Pond Cattle Dipping Vat, Eglin AFB, FL**, dated August 10, 2000.
4. **Final Statement of Basis, Rev 1, Site FT-28, Old Main Base Fire Training Area, Eglin AFB, FL**, dated October 2006.
5. **Statement of Basis, Rev 5, Site LF-51, Upper Memorial Lake Landfill**, CD-ROM Electronic Format, Eglin AFB, FL, dated August 25, 2000.
6. **Statement of Basis for Site OT-262, Rev 2, Auxiliary Field No. 4 Cattle Dipping Vat**, Eglin Air Force Base, Florida, dated June 7, 2001.
7. **Statement of Basis for Site OT-265, Rev 2, Owl's Head Branch Cattle Dipping Vat**, Eglin Air Force Base, Florida, dated June 5, 2001.
8. **Statement of Basis for Site OT-264, Rev 2, R.R 678 & R.R. 234 Cattle Dipping Vat**, Eglin Air Force Base, Florida, dated June 7, 2001.
9. **Statement of Basis for Site OT-263, Rev 2 Kepner Pond Cattle Dipping Vat**, Eglin Air Force Base, Florida, dated June 1, 2001.
10. Renewal Permit Application dated April 11, 2001.
11. Additional Information submitted on July 18, 2001, August 31, 2001 and September 21, 2001.
12. **Basewide Environmental Restoration Workplan; Eglin Air Force Base, Rev 4**, dated January 2008 (or most current), including updated appendices.
13. **Basewide Quality Assurance Program Plan; Eglin Air Force Base**, dated January 2008 (or most current), including updated appendices.
14. **Final Statement of Basis for Site LF-05, Former Eglin Main Landfill**, Eglin Air Force Base, Florida, dated August 14, 2001.

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15. **Statement of Basis for Site OT-100, Shoal River Cattle Dipping Vat, Revision 2**, Eglin Air Force Base, Florida, dated October 27, 2000.
16. **Statement of Basis for SWMU OT-269**, Eglin Air Force Base, Florida dated May 30, 2002.
17. **Statement of Basis for SWMU OT-270, Cattle Dipping Vat – Malone Creek**, Eglin Air Force Base, Florida dated May 30, 2002.
18. **Statement of Basis for SWMU OT-271, Cattle Dipping Vat – Choctaw Field**, Eglin Air Force Base, Florida dated May 30, 2002.
19. **Statement of Basis for SWMU SS-26, Eglin Hardstand 7**, Eglin Air Force Base, Florida dated August 29, 2002.
20. **Statement of Basis for SWMU DP-261, Building No. 914 Dump Site**, Eglin Air Force Base, Florida dated August 30, 2002.
21. **Statement of Basis for SWMUs OT-89, Eglin Golf Course Maintenance Facility**, Eglin Air Force Base, Florida dated September 24, 2002.
22. **Human Health Risk Assessment/Fate and Transport** on October 1, 2002
23. **Statement of Basis for Sites SS-86, Exterior Electric and Entomology Shops, and DP-97, Old Hobby Shop**, Eglin Air Force Base, dated November 2003.
24. Minutes of February 20, 2004 Meeting.
25. **Applicability of Subparts AA, BB and CC to Burn Kettles** dated March 3, 2004.
26. **Guidelines for COPC Identification Revision 5**, dated July 2005 (or most current).
27. Renewal Application dated February 27, 2006.
28. **Statement of Basis, Site DP-257**, accepted by the Department on March 27, 2006.
29. **Statement of Basis, Site SS-278**, accepted by the Department on September 5, 2006.
30. **Statement of Basis, Site ST-69**, accepted by the Department on August 23, 2006.
31. **Site Rehabilitation Completion Order – No Further Action (NFA), Site SS-85**, received by Eglin Air Force Base on June 22, 2010.
32. **Statement of Basis, Site DP-268**, accepted by the Department on August 25, 2006..

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33. **Statement of Basis, Site SS-01**, accepted by the Department on September 20, 2006.
34. **Statement of Basis, Site FT-28**, accepted by the Department on September 20, 2006.
35. **Site Status Report** dated April 2009 (or most current).
36. Permit Application Changes dated April 11, 2007.
37. **Remedial Action Plan, SS-280**, accepted by the Department on January 4, 2010.
38. Permit Application dated February 23, 2010.
39. **DP 261 First Five-Year Report and NFA Proposal (Risk Management Option [RMO] Level II), Rev 2**, dated May 28, 2010.
40. **SS-85 Semi-Annual Monitoring Report and NFA Proposal (RMO Level I), Rev 1**, dated May 1, 2010.
41. **OT-89 Groundwater Monitoring Report and NFA Proposal (RMO Level I), Rev 1**, dated July 2010.

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PART I - GENERAL AND STANDARD CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are ~~per~~ 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.
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:

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- 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, 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.

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- 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; and
 - (4) Five-year annual update to the status of a TPOC.
 - (5).Not applicable at this time.
 - 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.
 - 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

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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.
 - 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;

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- (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;
 - (2) Copies of hazardous waste manifests for three years;
 - (3) The results of inspections;
 - (4) The closure plan;
 - (5) Inspections of emergency and safety equipment (Condition 24 of this Part);
 - (6) Biennial reports;
 - (7) Personnel training records (Part II Subpart A - Condition 3);
 - (8) The Waste Minimization Program Plan (Part II Subpart A - Condition 8);
 - (9) Biennial certification of waste minimization (Part II Subpart A - Condition 8);
 - (10) The description and quantity of each hazardous waste generated;
 - (11) The location and quantity of each hazardous waste within the facility;
 - (12) Notices to generators as specified in 40 CFR 264.12(b);
 - (13) A log of dates of operations and unusual events;

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- (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 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 electronic copy of all submittals in response to post-closure or operating permit conditions shall be sent via email to:

epost_nwdwaste@dep.state.fl.us
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.

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19. The Department of Environmental Protection's 24-hour emergency telephone number is (850) 413-9911 or (800) 320-0519. During normal business hours, the DEP District Office may be contacted at (850) 595-8360.

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. All requests for permit modifications shall include an evaluation of the applicability of, and Permittee's compliance with, the siting criteria of Section 403.7211, F.S. and Rule 62-730.182, FAC.

21. Prior to 180 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
Hazardous Waste Regulation Section

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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.
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 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, during the OB/OD operations the Permittee shall have: a communication or alarm system capable of providing immediate emergency instruction (voice or signal) to OB/OD personnel; a device, such as a telephone or a hand-held two-way radio, capable of summoning emergency assistance Eglin emergency response teams; portable fire extinguishers or other fire control equipment; and spill control equipment as required by 40 CFR 264.32.
 - b. The Permittee shall test and maintain the required equipment as necessary to assure its proper operation in time of emergency.
 - c. The Permittee shall maintain immediate access to an internal communications or alarm system.

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- 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 may:
- 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.
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.

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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, and drafting and redrafting agreements 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 Department reserves the right to recover from Permittee any costs incurred by the Department in obtaining site access. 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.

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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. Open burn and open detonation personnel must successfully complete the Eglin-approved hazardous waste management training via classroom, web-based, or specific on-the-job training within six (6) 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 on Eglin AFB . 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 [40 CFR 264.16].
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.
6. The Permittee shall comply with the following conditions concerning the Contingency Plan:
 - a. The Permittee shall immediately carry out the provisions of its OB/OD Contingency Plan and follow the emergency procedures described by 40 CFR 264.56, whenever there is a fire or 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 15 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.

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- c. Within seven 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 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. All requests for permit modifications shall include an evaluation of the applicability of, and Permittee's compliance with, the siting criteria of Section 403.7211 and Rule 62-730.182, F.A.C.
8. The Permittee shall develop and maintain a Pollution Prevention Plan in accordance with Department of the Air Force requirements that will meet the requirements of paragraphs a and b of this Condition. 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
 - 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.

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Part II Subpart B - Specific Operating Conditions

1. The Permittee is allowed to thermally treat range scrap metal in accordance with 40 CFR 266.202(a)(1) at locations on-range in the Transportable Burn Kettle Processor provided the Permittee follows the following condition.
 - a. The Permittee keeps an operating log with a general description of use which should include dates, estimated quantities or amounts treated and location on-range of each use.
 - b. The Permittee will do an inspection of the Transportable Burn Kettle Processor before each use for malfunctions and deterioration. Permittee will remedy any malfunction or deterioration that presents an environmental or human health hazardous prior to operation.
 - c. The Permittee will make sure the Transportable Burn Kettle Processor has all particles removed and disposed of properly before moving the unit.
2. The Permittee shall maintain 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, in accordance with 40 CFR 264.31 and 40 CFR 264.601.
3. The Permittee is allowed to thermally treat military munitions, explosives or PEP-contaminated items by Open Burn (OB) on Range C-62 (and Range C-52N as an alternate location) in the Transportable Burn Kettle Processor (TBKP) in the permit application. The hazardous waste can be generated from sources outlined in the permit application. Additional requirements follow:
4. The Open Burn activities may only be accomplished by Explosive Ordnance Disposal (EOD) personnel and under the following conditions:
 - a. Daylight Hours;
 - b. No electrical storms within 3 miles of the OB unit; and
 - c. No forecast of a major storm.
 - d. Upon completion of the burn, EOD personnel shall inspect the burn kettle and remove particles and dispose of them properly.
 - e. The TBKP also has the capability to thermally process range scrap metal for on-range destruction of residual unexploded ordnance or munitions fragments in accordance with 40CFR 266.202. By thermally treating this material, the Permittee

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shall verify it as and then recycle as scrap metal in accordance with Department of Defense policy for disposal of ammunition, explosives, and dangerous articles (AEDA). TBKP may be relocated and used for this purpose as required. The Permittee shall maintain records of use. Before relocation of the TBKP, the Permittee shall visually inspect the interior and exterior and if necessary cleaned to remove any visible residue. The Permittee shall follow the requirements of 40CFR Part 266 Subpart M. The Permittee shall use the TBKP to treat hazardous waste only as specifically permitted.

5. The Permittee is allowed to thermally treat by Open Detonation (OD) military munitions at a designated location on Range 52 North and Range 62 described in the permit application. The hazardous waste can be generated from sources outlined in the permit application.
6. The OD operations shall only be performed by EOD personnel in accordance with standard Explosive Ordnance Disposal Procedures and under the conditions listed in Specific Condition 2 of this Part.
7. The Net Explosive Weight (NEW) treated by OD operation shall not exceed that outlined in the permit application. One OD event may include multiple detonations, with each detonation limited to 3,000 pounds combined NEW or less and detonations staggered by at least 10 minutes.
8. At the conclusion of the operation the EOD personnel shall visually inspect fragments to determine if energetic residue remains. Those fragments containing residue will be detonated in place.
9. All non-explosive scrap metal produced during the OD operation shall be collected and disposed of or recycled/reused.
10. The Permittee shall comply with waste compatibility requirements of 40 CFR 264.17(b)
11. The Permittee shall provide adequate fire protection to assure confinement and control of any fire resulting from the operation, as specified in the most current Department-approved OB/OD Contingency Plan.
12. The Permittee shall maintain an operating record describing the OB/OD activities. The record 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. Summary reports and details of all incidents that require implementation of the contingency plan at the unit;

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- d. Weather conditions to include humidity, weather forecast, wind speed and wind direction at each event;
 - e. Copies of manifests showing disposition of burn residues disposed of as hazardous waste and/or the quantity of burn residues on site; and
 - f. Details of any problems discovered during inspections conducted and details of remedial actions taken.
13. The Permittee shall maintain compliance with the environmental performance standards listed in 40 CFR 264.601 at all times.
14. Based on the ambient air monitoring performed in the first year of samples collected, the Department has determined that air monitoring is not necessary at this time. The permit may be modified at some future time if the Department determines that air monitoring is necessary.

Part II Subpart C - Closure Conditions

1. The Permittee shall close the OD Units on active bombing Range C-62, and second OD unit located on active bombing Range C-52N 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, leachate, contaminated run-off, or hazardous waste decomposition products to the groundwater, surface waters, or to the atmosphere [40 CFR 264.111(b)].
2. In accordance with the requirements of 40 CFR 264.112(a), the Permittee shall keep a copy of the Closure Plan and all revisions to the plan until closure is completed, certified in accordance with 40 CFR 264.115, and accepted by the Department. Any changes or revisions to the approved Closure Plan must meet the requirements of 40 CFR 264.112(c) and Rule 62-4.050, F.A.C.
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 Section II.F of the permit application. Any changes in the time allowed for closure of the units after approval shall require prior Department approval (40 CFR 264.113).
5. No less than two hundred-ten (210) days before the Permittee decides to close any of the OB/OD units on Ranges C-52N and C-62, the Permittee shall notify the Department of its intent to close any of the OB/OD units.

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6. The Permittee shall notify the Department 45 days prior to the date on which he expects to begin partial or final closure of a unit(s).
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 decontaminate or dispose of all equipment, structures, and residues used during or resulting from the closure activities as required by 40 CFR 264.114.
9. The Permittee shall manage all hazardous wastes, residues, sludges, spilled or leaked waste, or contaminated liquids and soils removed during closure of the miscellaneous unit 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, either by telephone or electronically, at least seven (7) days in advance of any physical closure activity (*e.g.*, soil sampling, soil removal).
11. Within sixty (60) days of the completion of closure, the Permittee shall submit to the Department, by certified mail or hand delivery, a report signed by the Permittee and an independent Professional Engineer registered in the State of Florida, stating that the miscellaneous unit has been closed in compliance with the Closure Plan and the specific conditions of this permit (40 CFR 264.115). 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;
 - 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.

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12. The Permittee shall notify the Department within seven 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 days, submit an application for a permit modification in accordance with Rule 62-730.290.
13. Within 30 days of determining that all contaminated soil cannot be practically removed or decontaminated, the Permittee shall notify the Department of such determination. Within 90 days of the determination the Permittee shall submit an application for permit modification to close the facility as a landfill and perform postclosure care as required by 40 CFR 264.310.
14. Within 30 days of submitting a closure certification for a land disposal unit, including a land disposal unit identified under Condition 11 of this Subpart, 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, FAC.
15. Reserved
16. The Permittee shall close the OD unit on Range C-52N and the OB/OD units on Range C-62 as detailed in the permit application. The units shall be closed as follows:
 - a. Metallic materials shall be collected and segregated to ensure that any unexploded ordnance is properly treated before the metals are transported to the Defense Reutilization and Marketing Office at Eglin for recycling/reuse.
 - b. The TBKP shall be decontaminated inside the Processing Chamber by washing and steam cleaning. Following decontamination, the burn kettles and Processing Chamber shall be sampled with surface wipe testing and analyzed for the following parameters: reactivity, arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nitrates, nitrites, benzene, ethylbenzene, toluene and xylenes. Decontamination is considered complete when the washing and steam cleaning have been completed and wipe sample analytical results do not:
 - (1) Exhibit a hazardous characteristic; or
 - (2) Indicate the presence of toluene, ethylbenzene or xylenes.

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- c. When decontamination is considered complete, the TBKP may be removed from the range for recycling.
 - (1) Soil sampling in the vicinity of the TBKP shall be conducted before decontamination, after decontamination, and after the TBKP are removed. A minimum of four samples from TBKP location shall be taken and analyzed for the Appendix VIII constituents.
 - (2) Groundwater sampling shall be conducted in accordance with Part V of this permit.
 - (3) This permit shall be modified to include postclosure activities if clean closure cannot be achieved.

PART III - POSTCLOSURE CONDITIONS

Not applicable at this time.

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.
2. The monitoring plan 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 noting 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;

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- (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(2), F.A.C.; and
 - 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 May 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 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;

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- 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;
 - 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. Analyses on filtered samples may be performed by the facility, but only for its own use [Rule 62-520.300(9), FAC].
10. No later than October 1, 2010 the Permittee shall submit all laboratory data 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 assessment or other wells not part of the approved groundwater monitoring plan must be kept secure and locked when unattended.
12. The Permittee will continue to maintain a Chemicals of Potential Concern (COPC) Guidance document subject to Department review and approval. The COPC Guidance document is specific to the Permittee's facility with regard to background concentrations of applicable constituents and contains health-based criteria for defining Action Levels that are protective of human health and the environment. The COPC Guidance document provides for a continuing assessment of the base-wide background concentrations for applicable chemical contaminants in environmental media. The COPC Guidance document will be periodically revised to reflect changes in health-based criteria and background assessments subject to Department review and approval.

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Part IV Subpart B - Specific Monitoring Conditions

Not applicable at this time.

Part IV Subpart C – Specific Groundwater Monitoring Requirements for Regulated Units

1. Annually in May, the Permittee shall determine the concentration of each constituent from the 40 CFR 264 Appendix IX list, limited to only those analytes in Specific Condition Part IV, Subpart D.1. This 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 [40CFR 264.98(g)].
2. Not applicable at this time.
3. Not applicable at this time.
4. All groundwater monitoring for regulated units must meet the requirements of 40 CFR 264.97.
5. The Waste Management Areas [40 CFR 264.95(b)] shall be designated by imaginary lines circumscribing the OD unit of Range C-52N and the OB/OD unit of Range C-62 as indicated in Attachments 2 and 3.
6. The Point of Compliance (POC) (40 CFR 264.95(a)) for Waste Management Area C-62 shall be the west and southwest boundaries of Range C-62, and the POC for Waste Management Area C-52N shall be the southwest, south and southeast boundaries of Range C-52N.
7. The Point-of-Compliance (POC) wells and background wells shall be
 - a. MW-94-62-02, MW-94-62-03, MW-92-62-04, MW-92-62-05 for Range C-62.
 - b. MW-94-52-02, MW-94-52-03 for Range C-52N.
 - c. The background wells are MW-94-62-01 for Range C-62 and MW-94-52-01 for Range C-52N.
8. Upon permit issuance, the Permittee shall be in detection monitoring in accordance with 40 CFR 264.98. The groundwater monitoring program approved by the Department is considered adequate to satisfy the requirements of this Permit.
9. Not applicable at this time.

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10. Not applicable at this time.
11. The Permittee shall sample the monitoring wells in Condition 7 of this Subpart annually in May until the Department accepts the Certification of Postclosure. If, for any reason, the Permittee is unable to submit analyses within the specified time, the Permittee must comply with Specific Condition I.8.a. The groundwater monitoring data from the May sampling event shall be submitted no later than the last day of July, unless the Department requires semiannual monitoring
12. The Permittee shall sample all wells in Specific Condition 1 of this Part for the following analytes:

2-amino-4,6-dinitrotoluene	HMX	specific conductance (field)
4-amino-2,6-dinitrotoluene	nitrate	4-nitrotoluene
1,3-dinitrobenzene	nitrite	RDX
2,4-dinitrotoluene	1,3,5-trinitrobenzene	2,6-dinitrotoluene
2-nitrotoluene	2,4,6-trinitrotoluene	3-nitrotoluene
turbidity (field)	pH (field)	

The Permittee shall also sample all wells at Range C-62 for the following additional parameters:

benzene	toluene
ethylbenzene	xylene

13. Any Compliance/Corrective Action Monitoring for C-52N and C-62N will be deferred as long as current quantity limitations as reference in Part II Subpart B Condition 7 of this permit remain in effect.
14. The Permittee may request that the Department establish alternate concentration limits. The Groundwater Protection Standard for newly-identified constituents shall be the respective practical quantitation limit (PQL) unless the Department establishes such alternate concentration limits, or unless a maximum concentration level is specified in Rule 62-777, Table I, F.A.C.

Part IV Subpart D – Groundwater Cleanup Target Levels

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

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ANALYTE	GCTL (µg/l)	ANALYTE	GCTL (µg/l)
2-amino-4,6-dinitrotoluene	4.0	nitrite	1,000
4-amino-2,6-dinitrotoluene	4.0	2-nitrotoluene	70
benzene	1	3-nitrotoluene	140
1,3-dinitrobenzene	0.7	4-nitrotoluene	70
2,4-dinitrotoluene	0.6	RDX	10
2,6-dinitrotoluene	0.2	toluene	40
ethylbenzene	30	1,3,5-trinitrobenzene	210
HMX	350	2,4,6-trinitrobenzene	10
nitrate	10,000	xylenes	20

µg/l = micrograms per liter.

2. 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

Subpart A – General Corrective (Remedial) Action Conditions

1. The Conditions of this Part apply to:
 - a. The SWMUs and AOCs identified in Appendix A;
 - b. Any additional SWMUs or AOCs discovered during the course of groundwater monitoring, field investigations, environmental audits, or other means; as used in this Part of the permit, the terms —discov~~er~~, —discovery”, or —discovered” refer to the date on which the Permittee either:
 - (1) Visually observes evidence of a new SWMU or AOC;
 - (2) Visually observes evidence of a previously unidentified release of contaminant(s) to the environment; or
 - (3) Receives information from a credible source of the presence of a new release of contaminant(s) to the environment; and

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- c. Contamination that has migrated beyond the facility boundary, if applicable.
2. Within 15 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 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, also known as a Site Investigation - SI) 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 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 days after Department written approval of a CS Work Plan if no schedule is included in the Work Plan, the Permittee shall submit a 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

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(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.

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 days of such determination.

Subpart B – Specific Corrective (Remedial) Action Conditions

1. Eglin AFB maintains a Sites Status Report (SSR), formerly identified as the Management Action Plan. This document contains information on all of Eglin’s SWMU and is regularly updated. In lieu of maintaining a separate SWMU site listing in the Permit, the SSR will be the Eglin AFB Site Inventory. The Eglin Installation Restoration Program Partnering Team (Eglin Tier I Partnering Team) will be used in the corrective action decision-making concerning these sites.
2. Per the Federal Facilities Agreement between the US EPA, the Department of the Air Force, and the Department, the HSWA Corrective Action portion and conditions of this permit are being integrated, and will be complied with, under CERCLA. The integration between RCRA and CERCLA applies to the SWMUs/AOCs identified as requiring Corrective Action in the attached Appendices.

PART VI – REMEDY SELECTION AND IMPLEMENTATION

Part VI Subpart A - General Conditions

1. Within 90 days of notification by the Department the Permittee shall submit a Remedial Action Plan (also known as a Corrective Measures Study) developed in accordance with Chapters 62-780 and 62-730 F.A.C. Remedial Action Plans may be performance based, submitting remediation options to be implemented based on changing conditions at the site.

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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. 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

1. For SWMU LF-08: Receiver Area Landfill (D7), the remedy is Land Use Controls which include groundwater use restrictions and land use restrictions. More information may be found in the Letters of Concurrence dated June 30, 2000.
2. For Eglin AFB SWMU LF-10: Field 2 North Landfill (D5) the remedy is Land Use Controls which include groundwater use restrictions and land use restrictions. More information may be found in the Letters of Concurrence dated June 30, 2000.
3. SWMU DP-84 (Jack's Lake Limb Disposal Area) the remedy is Land Use Controls which include land use restrictions. More information can be found in the Statement of Basis dated August 2000.
4. For SWMUs OT-83 (Pocosin Pond Cattle Dipping Vat) and OT-100 (Shoal River Cattle Dipping Vat) the remedy is Land Use Controls. More information can be found in the Final

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Statement of Basis dated August 10, 2000 and the Statement of Basis, dated October 27, 2000, respectively.

5. For SWMU LF-51 (Upper Memorial Lake Landfill) the remedy is Erosion Control and Habitat Restoration and Sediment Monitoring with Land Use Controls which include land use restrictions, groundwater use restrictions and fishing restrictions imposed at Upper Memorial Lake. More information can be found in the Final Statement of Basis dated August 25, 2000.
6. The selected remedy for SWMU DP-261 (Building No. 914 Dump Site, formerly AOC-311) is Land Use Controls which include land use restrictions. More information can be found in the First Five-Year Report and No Further Action Proposal (RMO Level II), Rev 2, dated May 28, 2010.
7. The selected remedy for SWMU OT-269 (Cattle Dipping Vat – Cherry Branch, formerly POI-395) is land use controls. More information can be found in the Statement of Basis dated May 30, 2002.
8. The selected remedy for SWMU OT-270 (Cattle Dipping Vat – Malone Creek, formerly POI-396) is land use controls. More information can be found in the Statement of Basis dated May 30, 2002.
9. The selected remedy for SWMU OT-271 (Cattle Dipping Vat – Choctaw Field, formerly POI-398) is land use controls. More information can be found in the Statement of Basis dated May 30, 2002.
10. The selected remedy for SWMU OT-89 (Eglin Gold Course Maintenance Facility, formerly AOC-87) is long-term monitoring and land use controls. More information can be found in the Statement of Basis dated September 24, 2002.
11. The selected remedy for SWMU SS-26 (Eglin Hardstand 7) is land use controls. More information can be found in the Statement of Basis dated August 29, 2002.
12. The selected remedy for SWMU LF-05 (Eglin Main Landfill, D3) is long-term monitoring and land use controls. More information can be found in the Statement of Basis dated August 14, 2001.
13. The selected remedy for SWMU SS-86 (Exterior Electric Shop/Entomology Shop/Old Hobby Shop, formerly AOC-86, AOC-109, DP-97, respectively) is long-term monitoring and land use controls. More information can be found in the Statement of Basis dated September 30, 2003.
14. The selected remedy for SWMU FT-28 is long-term monitoring. More detailed information on this remedy can be found in the Statement of Basis dated August 29, 2000.

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15. The selected remedy for SWMU SS-01 is long-term monitoring and land use controls. More detailed information on this remedy can be found in the Statement of Basis dated September 20, 2006.
16. The selected remedy for SWMU DP-268 is long-term monitoring and land use controls. More detailed information on this remedy can be found in the Statement of Basis dated August 25, 2006.
17. The selected remedy for SWMU ST-69 is long-term monitoring and operations. More detailed information on this remedy can be found in the Statement of Basis dated August 23, 2006.
18. The selected remedy for SWMU SS-278 is land use controls. More detailed information on this remedy can be found in the Statement of Basis dated September 5, 2006.
19. The selected remedy for SWMU DP-257 is long-term monitoring and land use controls. More detailed information on this remedy can be found in the Statement of Basis dated March 27, 2006.
20. The selected remedy for SWMU SS-280 is air sparging/soil vapor extraction. More detailed information on this remedy can be found in the Remedial Action Plan January 4, 2010.
21. Every five (5) years the Permittee will prepare a review of the remedy effectiveness and submit the report to the Department. The Permittee may at any time present additional information for remedy modification, including but not limited to discontinuing the remedy.
22. The 96 Civil Engineering Group/Civil Engineering Environmental Restoration is responsible for implementing, monitoring, maintaining, reporting upon and enforcing the remedies under this permit, including Land Use Controls.

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Appendix A

Solid Waste Management Unit Summary

A.1. List of Units which require a Preliminary Assessment or Site Investigation:			
SWMU/AOC No/Letter	SWMU/AOC Name	Preliminary Assessment	Site Investigation
There are no units which currently a Preliminary Assessment or Site Investigation.			
A.2. List of Units which require a Remedial Investigation or Feasibility Study:			
There are no units which currently require a Remedial Investigation or Feasibility Study.			
A.3. List of SWMUs/AOCs requiring a Remedial Action Plan (Remedy Selection):			
There are no units which currently require a Remedial Action Plan.			
A.4. List of SWMUs/AOCs <u>implementing</u> a Remedial Action Plan or Natural Attenuation with Monitoring Plan (implementing a remedy):			
SWMU/AOC No/Letter	SWMU/AOC Name	Remedial Action	
FT-28	Eglin Main Base Old Fire Training Area	Long-term Monitoring	
SS-01	Radar Site A-20 (formerly AOC-21)	Long-Term Monitoring (LTM) and Land Use Controls (LUCs)	
SS-01	Radar Site A-20 (formerly AOC-21)	LTM and LUCs	
LF-03	Eglin Main Landfill (D1)	LTM and LUCs	
LF-05	Eglin Main Landfill (D3)	LTM and LUCs	
LF-51	Upper Memorial Lake Landfill (formerly AOC-28)	LTM and LUCs	

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A.4. List of SWMUs/AOCs implementing a Remedial Action Plan or Natural Attenuation with Monitoring Plan:

ST-69	Bldg. 3073, Waste Oil Tank (formerly AOC-38,AOC-45, POI-333)	LTM and Operations
SS-85	C-6 Radar Facility (formerly AOC-84)	LTM and LUCs
SS-86	Exterior Electric Ship/Entomology Shop (formerly AOC-86, AOC-109, DP-97)	LTM and LUCs
OT-89	Eglin Golf Course Maintenance Facility (formerly AOC-87)	LTM and LUCs
DP-257	Postl Lake Prison Camp Drum Disposal Area (formerly POI- 341)	LTM and LUCs
DP-268	Eglin Main Base POL Debris Pile (formerly POI-394)	LTM and LUCs

A.5. List of SWMUs/AOCs at which Site Rehabilitation Completion Determinations Without Controls have been made:

There are no units which currently have a Site Rehabilitation Completion Determination with controls.

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

SWMU/AOC No/Letter	SWMU/AOC Name	Type of Control
LF-08	Receiver Area Landfill (D7)	Land Use Controls (LUCs)
DP-09	Mullet Creek Drum Disposal Area	LUCs
LF-10	Field 2 North Landfill	LUCs
SS-25	C-52A Herbicide Test Area	LUCs
SS-26	Hardstand 7	LUCs
OT-83	Cattle Dipping Vat – Pocosin Pond (formerly AOC-113)	LUCs
DP-84	Jack Lake Limb Disposal Area (formerly AOC-69)	LUCs
OT-100	Cattle Dipping Vat – Shoal River (Alias POI-300)	LUCs
DP-261	Building No. 914 Dump Site (formerly AOC-311)	LUCs
OT-262	Cattle Dipping Vat – Auxiliary Field 4 (formerly POI-336)	LUCs
OT-263	Cattle Dipping Vat - Kepner Pond (formerly POI-387)	LUCs
OT-264	Cattle Dipping Vat – RR 234/RR 678 (formerly POI-388)	LUCs
OT-265	Cattle Dipping Vat – Owl's Head Branch (formerly POI-391)	LUCs
OT-269	Cattle Dipping Vat – Cherry Branch (formerly POI-395)	LUCs
OT-270	Cattle Dipping Vat – Malone Creek (formerly POI-396)	LUCs
OT-271	Cattle Dipping Vat – Choctaw Field (formerly POI-398)	LUCs
SS-278	Green Ponds Cattle Dipping Vat (formerly POI-508)	LUCs

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A.7. List of SWMUs/AOCs Where No Further Action Determinations have been made:

SWMU/AOC No/Letter	SWMU/AOC Name
SS-02	A-21 Radar Facility
LF-04	Eglin Main Landfill ¹¹
DP-06	Disposal Pit Near Skeet Range (D4)
DP-07	A-19 Drum Disposal Site (D5)
DP-11	Field 2 Drum Disposal Area
LF-12	Niceville/Valparaiso Landfill (D18) ²
LF-21	Wright Landfill ²
LF-22	A11A Disposal Site (D40)
SS-23 ⁹	DRMO Storage Yard (S2, AOC 29)
SS-24 ⁹	CE Storage Yard (S3)
FT-27	Duke Field Fire Train Area (renamed SS-274)
OT-29	Missile Maintenance Paint Stripper Pit
OT-30	Electric Battery Shop
OT-31	Paint Shop (IS3)
SS-32	HERD PCE Spill
SS-33	Base Auto Hobby Shop
SD-34	Motor Pool ¹ (included in OT-35)
OT-35	Seventh Street BX Station ¹ (formerly AOC-25, AOC-31)
SS-36	POL Tank Farm ¹
OT-38	Guided Weapon Evaluation Facility Mercury Site

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A.7. List of SWMUs/AOCs Where No Further Action Determinations have been made:

SWMU/AOC No/Letter	SWMU/AOC Name
RW-40	Test Area C-64 Test Arena and Former Drum Storage Site ^{3, 11, 14} (formerly AOC-40)
RW-41	Test Area C-74L ^{3, 11, 14} (formerly AOC-41)
RW-42	LL/Drum Burial (A-15) ³
SS-45	Ground Air Transmitter (GAT) Site
OT-46	Open Detonation Site (C-52N) ⁴ (formerly AOC-46)
OT-47	Open Burn/Detonation Site (C-62) ⁴ (formerly AOC-47)
DP-48	Welding/Electroplating Shop (IS4, POI-305)
ST-49	Building 562 ¹
SD-50	Jet Engine Test Cell Oil/Water Separator Outfall ¹ (formerly AOC-48)
ST-52	Gas Station and Motor Oil Storage (Building 673) ¹
ST-53	Building 745 Tank Farm ¹
ST-54	Waste Fuel Storage Tank (Bldg. 989) ¹ (formerly AOC-30)
ST-55	Duke Field Tank Farm (Building 3206) ¹ (formerly AOC-26)
ST-55B	Duke Field Fuel Stand ¹
ST-56	6 th Ranger Training Camp (Building 6005) ¹
ST-57	C-80W ¹
ST-58	Military Gas Station ¹
ST-59	Ben's Lake Marina ¹
ST-60	Postl Point Marina ¹
ST-61	Eglin Golf Course ¹
ST-62	Jackson Guard Complex ¹
ST-63 ⁹	Waste Oil Receiver Yard (AOC 22)
ST-64	Aero Club (Building 68) ¹
ST-65	McKinley Climactic Laboratory (Bldg. 455) ¹
ST-66	Building 1353, Tactical Air Command (T.A.C.) ¹ (formerly AOC-27)
ST-67	Building 1346, Tactical Air Command (T.A.C.) ¹ (formerly AOC-16)
ST-70	Building 1342 ¹

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A.7. List of SWMUs/AOCs Where No Further Action Determinations have been made:

SWMU/AOC No/Letter	SWMU/AOC Name
ST-71	Building 2586, AAFES West Gate Shopette ¹
ST-71A	West Gate AAFES Gas Station ¹
ST-72	ACC Tank Farm ^{1,10} (converted to SS-275)
ST-72A	ACC Tank Farm ¹
ST-72B	ACC Tank Farm ^{1,10} (converted to SS-275)
SS-73	Waste Oil Receiver Yard, Building 552 ¹
SS-74	A-3 Officer's Beach Club ¹
SWMU-74	East Flight Line Drainage Ditch Northeast Section (alias AOC-74)
ST-75	NEAR Building 1346 ¹
SS-76	A-17 Radar Site ¹
ST-77	Building 2589 Water Tower, Well #7
ST-78	Building 10351 Water Tower, Well #9
ST-79	Building 10940 Water Tower, Well #10
ST-80	Bldg. 2830 Water Tower, Well No. 12
ST-81	Bldg. 2756 Water Tower, Well No. 16
OT-82	Aux.Field No. 4, Hardfill (formerly AOC-15)
FT-87	Auxiliary Field No. 2 Fire Training Area ¹ (formerly AOC-100)
DP-88	Auxiliary Field No. 2 East Disposal Area (formerly AOC-97)
SS-90	Nugget Oil Spill ¹
SS-91	Methylene Chloride Spill Climactic Lab ¹ (formerly AOC-23)
FT-92	Eglin Skeet Range and Fire Training Area (formerly AOC-3, AOC-90)
ST-93	Water Tower No. 379 (formerly POI-315)
ST-94	Water Tower No. 225-3 rd Street/Education Building (formerly POI-314)
LF-95	Holly Navarre Landfill ² (formerly AOC-49)
DP-96	Taxiway 9E Disposal Area (formerly AOC-110)
DP-97	Old Hobby Shop Near Bldg. 696 ¹² (formerly AOC-33)
SS-98	Pensacola F-16 Crash ¹
ST-99	Okaloosa County Air Terminal (OCAT) ^{1, 13}
ST-101	33 rd ACC Water Tower No. 1322 (formerly POI-321)

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SWMU/AOC No/Letter	SWMU/AOC Name
SS-102	Power Pro Equipment Storage Yard (formerly POI-308)
ST-103	EOD Water Tower No. 857 (Well #1) (formerly POI-313, 359)
SS-104	Eglin Pipeline Spill Site ¹ (alias AOC 103)
SS-105	Eglin Pipeline Spill Sites, Pit 1 (alias POI 375) ¹
SS-106	Eglin Pipeline Spill Sites, Pit 3 (alias POI 376) ¹
SS-107 ⁹	Eglin Pipeline Spill Site
SS-108 ⁹	Eglin Pipeline Spill Site
SS-109 ⁹	Eglin Pipeline Spill Site
SS-110	Eglin Pipeline Spill Site, Pit 12 ¹
SS-111	Eglin Pipeline Spill Sites, Pit 13 (alias POI 373) ¹
ST-112	Base OPS Generator Tank, Building 60 ¹
ST-113	Rapcon Building 104 ¹
ST-114	Airfield Lighting, Building 116 ¹
ST-115	Communications Receiver, Building 926 ¹
ST-116	Building 1391 ¹
ST-117	Duke Field Phone Exchange, Building 3065 ¹
ST-118	C-1 Tower, Building 8774 ¹
SS-119	Middle Fire Training Area ¹ (formerly POI-317)
ST-120	Plew Sewage Treatment, Building 2810
SWMU-213	Confluence of West Flightline Drainage (alias AOC-213)
ST-251	Water Tower No. 2100 (formerly POI-361)
ST-252	Water Tower No. 3100 (formerly POI-362)
ST-253	Water Tower No. 5100 (formerly POI-363)
ST-254	Water Tower No. 6100 (formerly POI-364)
ST-255	Water Tower No. 7100 (formerly POI-365)
ST-256	Water Tower No. 8637E and 8637W (formerly POI-366, POI-367)
ST-258	Water Tower No. 8782 (formerly POI-368)
ST-259	Water Tower No. 12511 (formerly POI-369)
ST-260	Water Tower No. 1100 (formerly POI-360)

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501 DeLeon Street, Suite 101
Eglin Air Force Base, Florida

I.D. NUMBER: FL8 570 024 366
PERMIT/CERTIFICATION NUMBER: 0006176-006-HO
EXPIRATION DATE: September 1, 2015

A.7. List of SWMUs/AOCs Where No Further Action Determinations have been made:

SWMU/AOC No/Letter	SWMU/AOC Name
LF-266	Mills Dump Site/Encroachment Landfill
SS-267	F-15 Tornado Site
DP-273	C-80C Celotex Burial Site (formerly AOC-72, AOC-112)
SS-274	Duke Field Fire Train Area ^{1,8} (formerly FT-27)
SS-275	ACC Tank Farm ^{1,10} (formerly ST-72 and ST-72B)
ST-276	Bldg 1360 Air Combat Command ¹
ST-277	AAFES Gas Station Duke Field
SS-279	Bldg 945 Spill Site ¹
SS-280	33 rd Valve Pit to Hot Pit Spill Site ¹
SWMU 601	CD Trench and Fill Site, alias SWMU #1
SWMU 602	Tire Burn Area, alias SWMU #2
SWMU 603	CD Borrow Pit, alias SWMU #3
AOC-01	Old Civil Engineering Salvage Yard
AOC-02	A-15 Former Power Plant Facility
AOC-04	C-52 Munitions Disposal ⁶ /Empty Drum Storage Area ³ (Alias POI-418)
AOC-05	Auxiliary Field No. 1 Landfill
AOC-06	OWSs, Jet Building 1352 Engine Maintenance
AOC-07	Auxiliary Field No. 6, Disposal Area ¹¹
AOC-08	Auxiliary Field No. 7 Landfill
AOC-09	Auxiliary Field No. 10, Hot Pit Refueling Area
AOC-10	Auxiliary Field No. 10 East Dump Site (Choctaw Field)
AOC-11	C.B. Lab Landfill
AOC-12	Bay Target Vessel ⁶
AOC-13	Old Asphalt Plant Site
AOC-14	Duke Field Sanitary Landfill (Alias POI-330)
AOC-24	C-52A Aerial Overspray Site
AOC-32	OWS, Building 1339
AOC-34	OWS, Building 1410
AOC-35	OWS, Building 138

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SWMU/AOC No/Letter	SWMU/AOC Name
AOC-36	OWS, Buildings 1398/1399
AOC-37	OWS, Building 686
AOC-39	OWS, Building 508
AOC-42	VORTAC Generator Spill Site ¹
AOC-43	BOMARC Launch Facility
AOC-44	OWS, Building 1354, Battery and Hydraulic Shop, ACC
AOC-50	Spray Field ⁵
AOC-51	Sewage Treatment Plant, Air Combat Command ⁵
AOC-52	Auxiliary Field No. 4 Sludge Disposal Site ⁵
AOC-53	Weekly Bayou Hardfill
AOC-54	Gulf Power Substation ⁷
AOC-55	Auxiliary Field No. 2 Herbicide Loading Site (Alias POI-338)
AOC-56	Aux. Field 10, South Dump Site (Choctaw Field) ⁷
AOC-57	D-55 Test Area Creosote Pilings
AOC-58	Wolf Creek Drum Disposal Site
AOC-59	Windham Tower Drum Disposal Site
AOC-60	Old Duke Field Sewage Treatment Plant
AOC-61	Auxiliary Field No. 2 Sewage Treatment Plant
AOC-62	Auxiliary Field No. 5 Sewage Treatment Plant
AOC-63	Isotope Burial Area, North of C-74 Complex ³ (Alias AOC-67)
AOC-64	Auxiliary Field No. 4 Fire Training Area
AOC-65	Fuel Spill, Building 101 ¹
AOC-67	C-74 Sled Track Burial Area ³ (Alias AOC-63)
AOC-68	A-22 Test Area ³
AOC-70	C-52 Test Area (Napalm Grid) ⁶
AOC-71	C-52 Test Area ⁶
AOC-73	Lightwood Knott Creek Borrow Pit/Hardfill
AOC-74	East Flightline Drainage Ditch, Northeast Section
AOC-75	Duke Field Flightline Drainage Ditch

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SWMU/AOC No/Letter	SWMU/AOC Name
AOC-76	Main Gate Transformer Leak Site
AOC-77	B-82 Munitions Test Area Disposal Site
AOC-78	Auxiliary Field No. 1 Northeast Landfill (Alias POI-331)
AOC-79	Auxiliary Field No. 4 Landfill
AOC-80	Test Area C-60 (Napalm Grid)
AOC-81	Lower Memorial Lake Burial Sites
AOC-82	A-15 Compound Disposal Area
AOC-83	C-52A Drum Disposal Area
AOC-85	A-15 Compound Fire Training Area
AOC-88	Hard Stand 8, Alternate Loading Area
AOC-89	Hard Stand 1, Neutralization Pit
AOC-91	Pocosin Pond ^{3, 11, 14}
AOC-92	Duke Field Hot Pit Refueling Site
AOC-93	Munitions Disposal Area ⁶
AOC-94	A-11 Storage Bunkers
AOC-95	Abandoned Radar Site Pipeline ¹
AOC-96	Hot Pit Refueling Area, Air Combat Command
AOC-98	End of the Runway 01 Hardfill
AOC-99	C-80A Celotex Burial Site
AOC-101	C-80B Celotex Burial Site
AOC-102	Auxiliary Field No. 5 Sanitary Landfill
AOC-104	C-52 Herbicide Drum Disposal Site
AOC-105	Duke Field Hardfill
AOC-106	Auxiliary Field No. 5 Munitions Disposal Area ⁶
AOC-107	C-52 Film Debris Disposal Area
AOC-108	Soap Water Collection Tank, Buildings 1385/1386
AOC-111	A-15 Compound Neutralization Pit
AOC-112	C-80C Hardfill (Alias AOC-72)
AOC-213	Confluence of West Flightline Drainage Ditch at Jack's Lake

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SWMU/AOC No/Letter	SWMU/AOC Name
POI-301	Bldg. No. 808 Transformer Maintenance Facility (converted to SS-86)
POI-302	Auxiliary Field No. 4 Small Arms Firing Range Cleaning Sump
POI-303	Chemical Waste Treatment Plant
POI-304	Mullet Creek Tributary
POI-306	East Drum Disposal Site-S.R. 285/R.R. 228
POI-307	Indigo Creek Dump Site (Alias POI-339)
POI-309	Aux. Field No. 7 Site Boil Pit With Paint Cans
POI-310	ACC Petroleum Site
POI-312	Mullet Festival Area
POI-316	C-52 N East Rocky Creek Tributary
POI-318	RR 220 Disposal Area
POI-319	C-52A Soil Biodegradation Plots
POI-320	Twin Labs Water Tower
POI-322	Site A – 15: PCB Cleanup
POI-323	Building No. 3051: Garbage Pit
POI-324	First Baptist Church of Valparaiso - Napalm Site
POI-325	Kemmons Pond Site
POI-326	Auxiliary Field No. 2 Disposal Area
POI-327	Auxiliary Field No. 1; Abandoned WWTP
POI-328	Ammo Storage Facility Berm
POI-329	Duke Field Small Arms Range
POI-330	Duke Field North Dump Site (Alias AOC-14)
POI-331	Auxiliary Field No. 1 Landfill (Alias AOC-78)
POI-332	Site D-3 Diesel Fuel Tank Removal and Diesel Spill
POI-333	728 Motor Pool (included in ST-69)
POI-334	C-6 Radar Facility; Chronic POL Spills
POI-335	Skeet Range-Bay Round Disposal Area ⁶
POI-337	Communication Building Dump Site
POI-338	C-3 Herbicide Loading Area (Alias AOC-55)

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SWMU/AOC No/Letter	SWMU/AOC Name
POI-339	Auxiliary Field No. 7 Indigo Creek Dump Site (Alias POI-307)
POI-340	Hospital Dump Site
POI-342	Oak Hill Elementary School
POI-343	Camp Pinchot
POI-344	Auxiliary Field No. 6, Old CB Lab
POI-345	Auxiliary Field No. 6 Bunker/Munitions
POI-346	Building No. 1354
POI-347	Golf Course Limb Disposal Dump Site
POI-348	Climactic Lab Storage Area
POI-349	Duke Field 728 TAC (ACC) JP4 Contamination
POI-350	Auxiliary Field No. 5-Armored Vehicle Scrapping Area
POI-351	Auxiliary Field No. 4, CS Testing Site
POI-352	Auxiliary Field No. 4, Runway Debris-South
POI-353	Auxiliary Field No. 2, -Burst Hill"
POI-354	Auxiliary Field No. 2, POL Storage Area
POI-355	Basin Bayou Disposal Site
POI-356	A-11 Abandoned UST
POI-357	Duke Field, Debris/Drum Pile
POI-358	Water Tower No. 1205
POI-370	C-7 Hellfire
POI-386	Building 419 Maintenance Shop
POI-389	Auxiliary Field 1, Northeast Surface Debris Area
POI-390	Transmission Building Site
POI-392	Prairie Creek Drum Dump Site
POI-393	B71 Hydraulic Tower
POI-399	Site 9 Burn Pots
POI-400	Test Area 64A ^{11,14}
POI-401	Test Area C-64C Advanced Warhead Experimental Facility ¹⁴
POI-402	Test Area C-80B ^{11, 14}
POI-403	Test Area C-80A Water Total Recovery Facility ¹⁴

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A.7. List of SWMUs/AOCs Where No Further Action Determinations have been made:

SWMU/AOC No/Letter	SWMU/AOC Name
POI-404	Test Area B-5 ^{11, 14}
POI-405	Test Area A-15 ^{11,14}
POI-406	Test Area C-72 ¹⁴
POI-407	Test Area C-52 Chicken Little G)-27 Detector Boxes ¹⁴
POI-408	SAC Munitions/33rd Flight Munitions Area ¹⁴
POI-409	Railroad Bed at Range Road 213 ¹⁴
POI-410	Site NI-7 ¹⁴
POI-411	Auxiliary Field No. 3 ¹⁴
POI-412	High Explosive Research & Development (HERD) Facility Building 1206 ¹⁴
POI-413	Test Area A-77 Proposed Bridge Target ¹⁴
POI-414	Test Area A-79 Proposed Bridge Target ¹⁴
POI-415	Proposed DU Experimental Areas ¹⁴
POI-416	Proposed Air-to-Ground Firing of DU at Test Area B-82 ¹⁴ (Alias AOC-77)
POI-417	Site N-18, East Bay Swamp C-141 Crash Site ^{11,14}
POI-418	C-52 Scrap Yard ^{11,14}
POI-419	Test Area C-74L Dump Site ^{11,14}
POI-420	Test Area C-64 Dump Site ^{11,14}
POI-500	Range Road 291 Bermed Area
POI-501	Former A-7 Radar Facility POL Site
POI-503	Cattle Dipping Vat—Bear Creek
POI-504	Auxiliary Field 5 Disposal Area
POI-505	Anderson Branch Disposal Area
POI-506	Panther Branch Drum Site
POI-507	Wendel's Cattle Dipping Vat
POI-508	Green Ponds Cattle Dipping Vat (converted to SS-278)
POI-509	Auxiliary Field No. 4 Water Tower No. 4100
POI-510	Cape San Blas Lighthouse
POI-511	Range Roads 356 and 433 Drum Disposal Area

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SWMU/AOC No/Letter	SWMU/AOC Name
POI-512	GERC Disposal Area
POI-513	Main Base Drycleaner Site
POI-514	Whitmier Island Drum Site
POI-515	Climatic Lab Spill Site
POI-516	Honey Creek Cattle Dip Vat (CDV)
POI-517	Pine Log Creek Cattle Dip Vat (CDV)
POI-518	Climatic Lab Methylene Chloride 2007 Spill
POI-519	Auto Hobby Shop Overflow ¹
POI-521	Jettisoned Fuel Pods ¹

Deferred to Chapter 62-770, F.A.C. Active sites as of April 2010: OT-35, SS-36, ST-54, ST-55A, ST-58, ST-65, SS-110, SS-274, SS-275, SS-279, SS-280, POI-519 and POI-521.

²Addressed under State Landfill Closure Permit.

³Deferred to Nuclear Regulatory Commission License.

⁴Addressed under 40CFR Part 264 Subpart X Operating Permit (OT-46/C-52N & OT-47/C-62).

⁵Deferred to FDEP Wastewater Permit.

⁶Addressed under Military Munitions Response Program (POI-502 and POI 600 SWMUs).

⁷Deferred to FDEP Consent Order.

⁸Former Site FT-27 was renamed when transferred to POL program.

⁹AOCs-17, -18, -19 and -20, SS-23, -24, 107, 108, 109 and ST-63 formerly comprised OU-1, which is now recognized as LF-03.

¹⁰ST-72 and ST-72B were closed and replaced with SWMU SS-275, because of a new release of petroleum product.

¹¹No COPC detected. These sites are under Eglin's internal LUC.

¹²DP-97 has been combined with SS-86 and is now referred to as SS-86.

¹³Third-party Consent Order

¹⁴Closed under the Low-Level Radioactive Material (LLRM) Program.

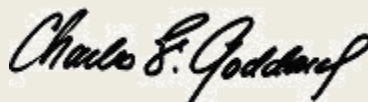
Note: OT-272, POI-371-385 and POI-394 are unused IRP site numbers.

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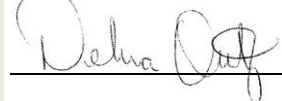
Issued October 15, 2010

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



CHARLES F. GODDARD, 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.



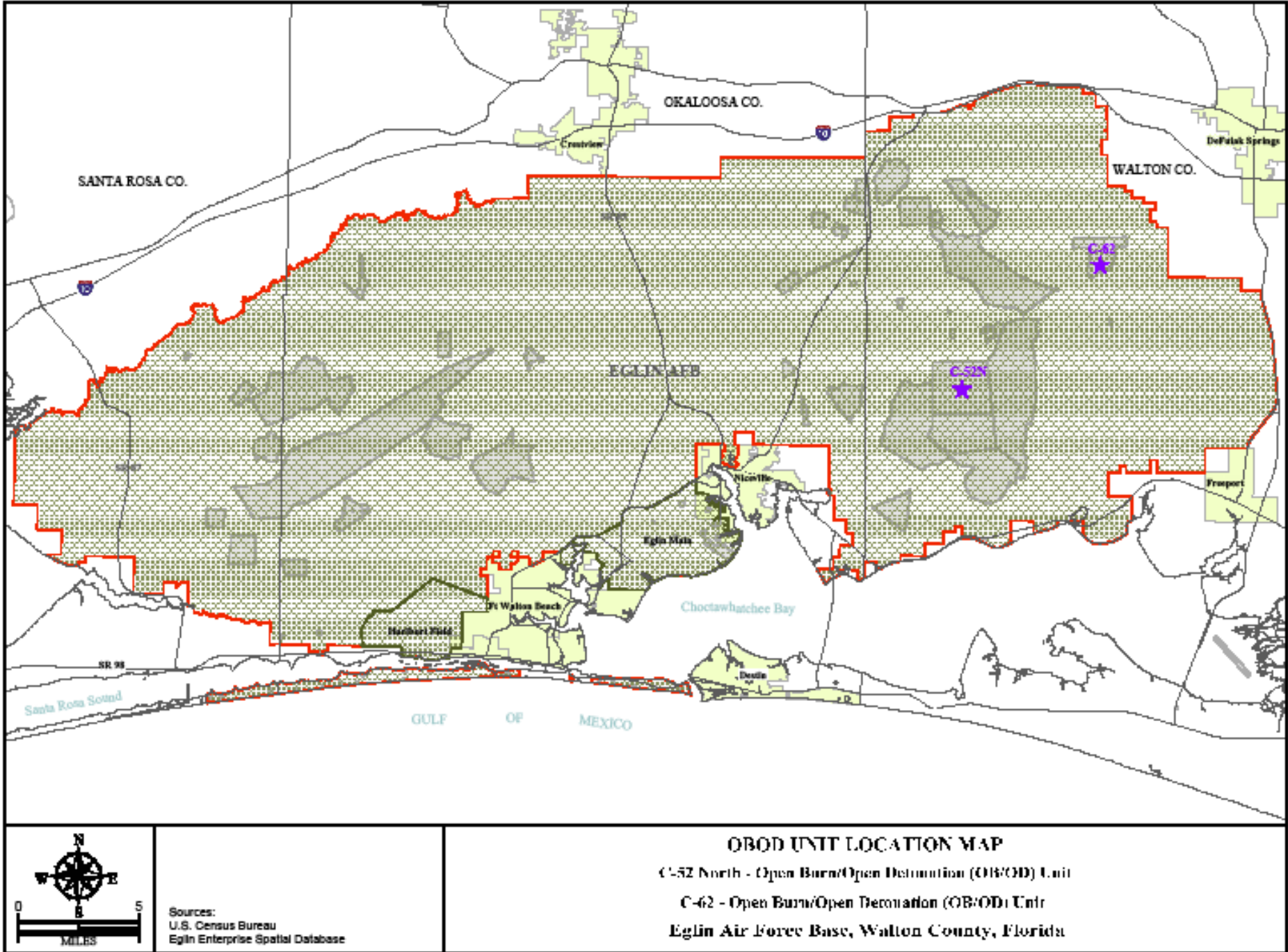
CLERK

October 15, 2010
DATE

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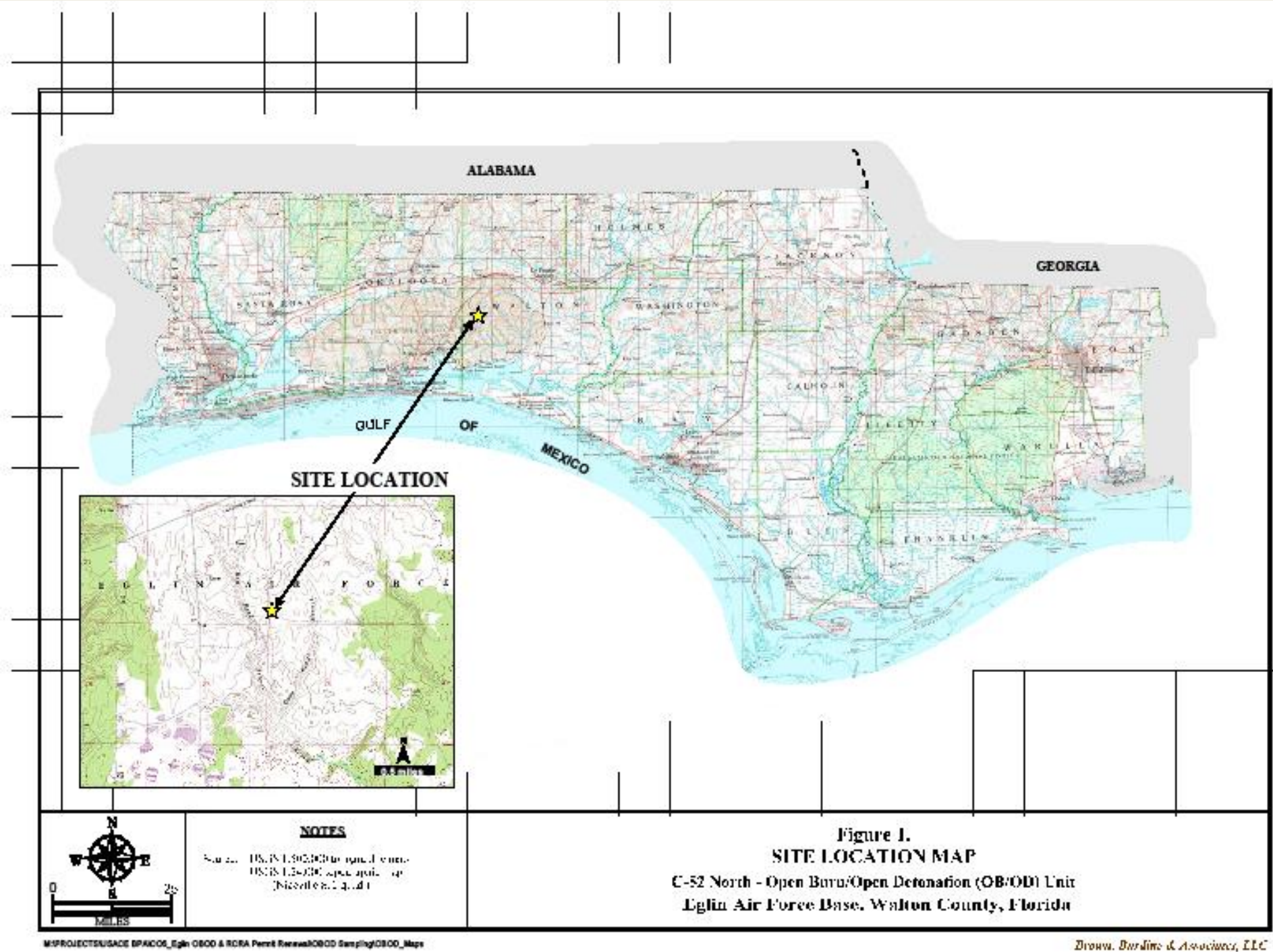
Attachment 1 – Map of Eglin Air Force Base



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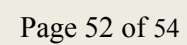
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Attachment 2 -
Location of Range C-52N



US EPA ARCHIVE DOCUMENT

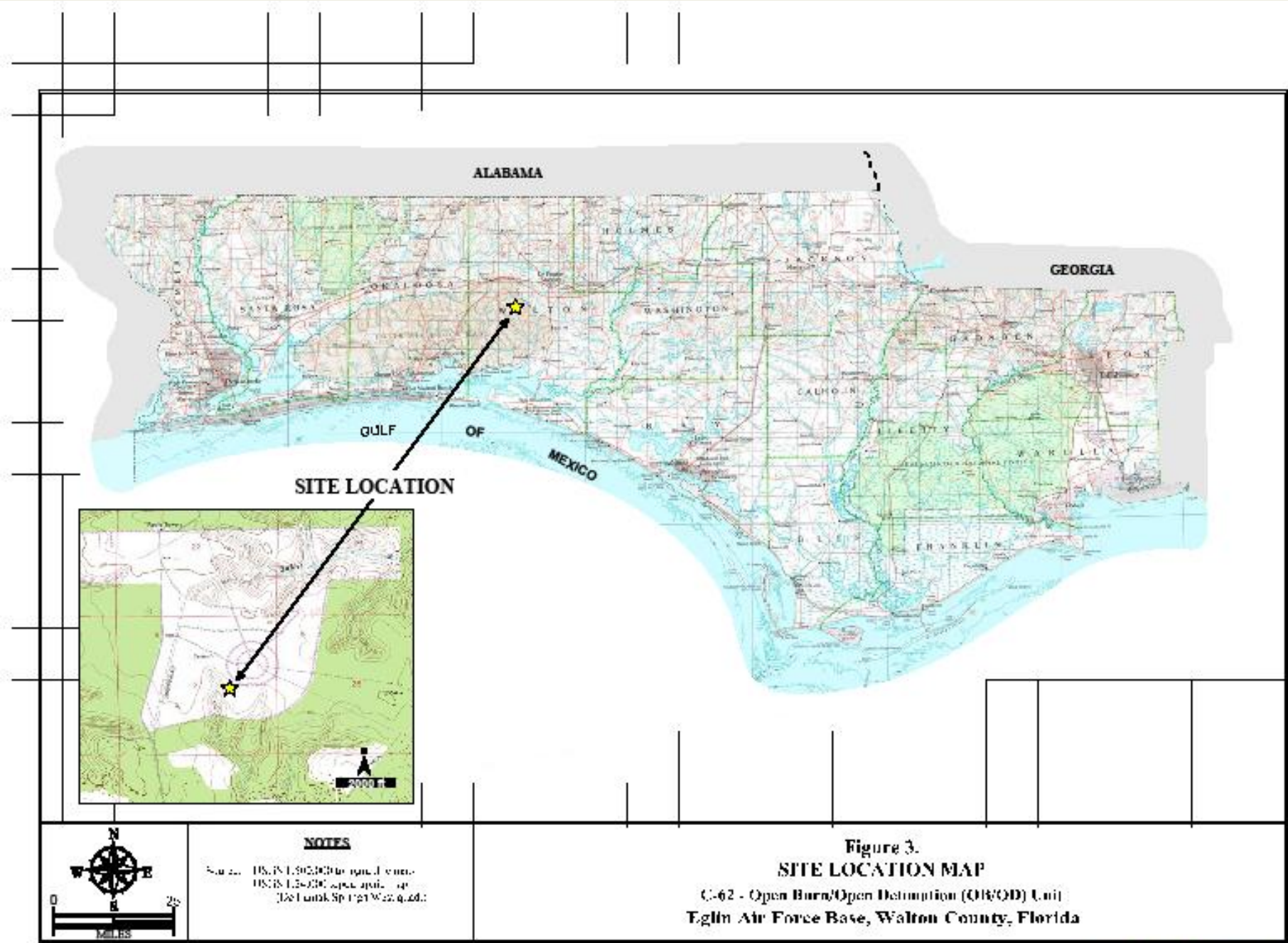
Attachment 3 – Range C-52N Monitoring Wells



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Attachment 4 -
Location of Range C-62N



US EPA ARCHIVE DOCUMENT

Attachment 5 – Range C-62N Monitoring Wells

