

32212-000

19.02.00.0006



Florida Department of Environment

Northeast District • 3426 Bills Road • Jacksonville, Florida 32207 • 904-798-4200

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary
Ernest Frey, Deputy Assistant Secretary

September 29, 1989

CERTIFIED - RETURN RECEIPT

Captain Kevin F. Delaney
U.S. Naval Air Station - Jacksonville
Box 5
Jacksonville, Florida 32212

Dear Captain Delaney:

U.S. Naval Air Station - Jacksonville
FL6 170 024 412
Duval County - Hazardous Waste
Closure Permit #HF 16-144281

Pursuant to Section 403.815, Florida Statutes, and Rule 17-730.220(6), Florida Administrative Code, the Department requires you to publish and broadcast, at your own expense, the attached Intent to Issue. Also attached are the Request to Publish and the Draft Permit.

The notice must be published one time only in the legal ad section of a major local newspaper of general circulation in Duval County and broadcast one time only over a local radio station within thirty (30) days from receipt of this letter. Proof of publication and broadcast must be provided to the Department within fourteen (14) days of publication of the notice.

Failure to publish the notice and provide proof of publication within the allotted time may result in denial of the permit without any further notice or opportunity for hearing.

Sincerely,

Ernest E. Frey
Deputy Assistant Secretary

EEF:jf

Enclosures

cc: Satish Kastury
James Scarbrough
Mayor Thomas Hazouri
Duval County Commissioners
Mayor Ron Raymond
Clay County Commissioners
St. Johns River Water Management District

01165

State of Florida
Department of Environmental Regulation

In the Matter of an
Application for
Permit by:

DER File No: HF 16-144281

U.S. Naval Air Station - Jacksonville
U.S. Highway 17 and Yorktown Avenue
Jacksonville, Florida 32212-5000

INTENT TO ISSUE AND REQUEST FOR PUBLICATION

The Department of Environmental Regulation hereby gives notice of its Intent to Issue a permit to U.S. Naval Air Station - Jacksonville located at the intersection of U.S. Highway 17 and Yorktown Avenue, Jacksonville, Florida 32212, to close one container storage facility and two land disposal units (surface impoundments). Upon issuance of this permit, the Department will authorize the permittee to close:

- Waste OTTO fuel container storage facility (Building 765) which was used for storage of waste OTTO fuel in 55-gallon drums (Hazardous Waste Code D003).
- Domestic Waste Sludge Drying Beds and the Polishing Pond which were used for the treatment and storage of rinsewater from electroplating operations (Hazardous Waste Code F006/F019), paint stripping and parts cleaning operations (Hazardous Waste Code F001 through F005), in addition to sludge from the aerobic digester of the domestic wastewater treatment plant.

The Department is taking this action under the authority of Section 403.722, Florida Statutes, and Rules 17-4, and 17-730, Florida Administrative Code. The issuance of this permit is based on the applicant's demonstration that this facility is in compliance with the technical and procedural requirements established in Chapter 17-730 of the Florida Administrative Code, and the appropriate Sections of 40 CFR Parts 260 through 266, which were adopted by reference in Chapter 17-730, F.A.C. This demonstration was made in the approved application submitted on February 16, 1988, the closure plan for the Domestic Waste Sludge Drying Beds and the Polishing Ponds submitted on July 22, 1988, and the closure plan for the Waste OTTO Fuel Container Storage Facility submitted on March 15, 1989.

Pursuant to Section 403.815, Florida Statutes, and Rule 17-730.220(6), F.A.C., you are required to publish at your own expense notice of the Department's Intent to Issue this permit. Pursuant to Rule 17-730.220(6), Florida Administrative Code, within 30 days of receipt of the Department's notice, the attached notice must be published one time only in the legal ad section of a major local newspaper or newspapers of general circulation in the area affected, and broadcast over a local radio station or stations. Proof of publication and broadcast must be provided to the Department within 14 days of publication.

Failure to publish the notice and provide proof of publication and broadcast within the allotted time may result in denial of the permit.

The Department shall issue the permit with the attached conditions unless an appropriate petition is filed for a hearing pursuant to the provisions of Section 120.57, F.S. At a formal hearing under Section 120.57(1), F.S., all parties shall have an opportunity to present evidence and argument on all issues involved, to conduct cross-examination and submit rebuttal evidence, to submit proposed findings of fact and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. At an informal hearing under Section 120.57(2), F.S., the Department will provide affected persons or parties an opportunity to present evidence or a written statement in opposition to the agency's action.

Petitions for hearing must comply with the requirements of Florida Administrative Code Rule 28-5.201, and be filed with the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the applicant must be filed within forty-five (45) days of receipt of this letter. Petitions filed by other parties, or requests for public meetings by persons, must be filed within forty-five (45) days of publication or broadcast of the public notice. Petitions or requests for a meeting which are not filed in accordance with the above provisions are subject to dismissal.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Ernest E. Frey
Deputy Assistant Secretary

Northeast District
3426 Bills Road
Jacksonville, Florida 32207

cc: Satish Kastury
James Scarbrough

CERTIFICATE OF SERVICE

This is to certify that this INTENT TO ISSUE AND REQUEST FOR PUBLICATION and all copies were mailed before the close of business on September 29, 1989.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to §120.52, F.S., the Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


Clerk

9/29/89
Date

State of Florida
Department of Environmental Regulation

INTENT TO ISSUE

The Department of Environmental Regulation gives notice of its intent to issue a permit to U.S. Naval Air Station - Jacksonville located at the intersection of U.S. Highway 17 and Yorktown Avenue, Jacksonville, Florida 32212, to authorize the permittee to close:

- Waste OTTO fuel container storage facility (Building 765) which was used for storage of Waste OTTO fuel in 55-gallon containers (Hazardous Waste Code D003).
- Domestic Waste Sludge Drying Beds and the Polishing Pond which were used for the treatment and storage of rinsewater from electroplating operations (Hazardous Waste Codes F006/F019), paint stripping and parts cleaning operations (Hazardous Waste Codes F001 through F005), in addition to sludge from the aerobic digester of the domestic wastewater treatment plant.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400, within forty-five (45) days of publication of this Notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition for hearing within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts, and rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

INTENT TO ISSUE

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- (f) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above, and be filed (received) within 45 days of publication of this notice in the office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 22I-6.010, Florida Administrative Code.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Regulation, 3426 Bills Road, Jacksonville, Florida 32207.

Radio Announcement:

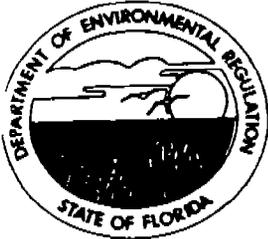
STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL REGULATION, NOTICE OF INTENT TO ISSUE A PERMIT.

THE DEPARTMENT GIVES NOTICE OF ITS INTENT TO ISSUE A PERMIT TO U. S. NAVAL AIR STATION - JACKSONVILLE LOCATED AT THE INTERSECTION OF U.S. HIGHWAY 17 AND YORKTOWN AVENUE, JACKSONVILLE, FLORIDA 32212, TO CLOSE A WASTE OTTO FUEL CONTAINER STORAGE FACILITY, THE POLISHING POND AND DOMESTIC WASTE SLUDGE DRYING BEDS IN FULL COMPLIANCE WITH STATE REGULATIONS.

PERSONS WHOSE SUBSTANTIAL INTERESTS ARE AFFECTED BY THE DEPARTMENT'S PROPOSED PERMITTING DECISION MAY PETITION FOR AN ADMINISTRATIVE PROCEEDING (HEARING) IN ACCORDANCE WITH SECTION 120.57, FLORIDA STATUTES (F.S.). IF A PETITION IS FILED, THE ADMINISTRATIVE HEARING PROCESS IS DESIGNED TO FORMULATE AGENCY ACTION. ACCORDINGLY, THE DEPARTMENT'S FINAL ACTION MAY BE DIFFERENT FROM THE POSITION TAKEN BY IT IN THIS PRELIMINARY STATEMENT. THEREFORE, PERSONS WHO SUPPORT THE PROPOSED AGENCY ACTION MAY ALSO WISH TO INTERVENE IN THE PROCEEDING.

FOR MORE INFORMATION CONCERNING THE APPLICABLE REQUIREMENTS OF THE PETITION PROCESS AND THE NECESSARY TIME FRAMES FOR FILING, PLEASE CONTACT THE JACKSONVILLE DISTRICT OFFICE AT (904) 798-4200. THE APPLICATION IS AVAILABLE FOR PUBLIC INSPECTION DURING NORMAL BUSINESS HOURS, 8:00 A. M. TO 5:00 P. M., MONDAY THROUGH FRIDAY, EXCEPT LEGAL HOLIDAYS, AT THE DEPARTMENT OF ENVIRONMENTAL REGULATION, NORTHEAST DISTRICT OFFICE, 3426 BILLS ROAD, JACKSONVILLE, FLORIDA 32207.

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Florida Department of Environmental Regulation

Northeast District • 3426 Bills Road • Jacksonville, Florida 32207 • 904-798-4200

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary
Ernest Frey, Deputy Assistant Secretary

PERMITTEE:
Attention: Captain Kevin F. Delaney
U.S. Naval Air Station - Jacksonville
U.S. Highway 17 and Yorktown Avenue
Jacksonville, Florida 32212-5000

I.D. Number: FL6 170 024 412
Permit/Certification No. HF 16-144281
Date of Issue:
Expiration Date:
County: Duval
Latitude/Longitude: 30°13'30"N/81°41'00"W
Section/Township/Range: 23/3S/27E
Project: Closure of Waste OTTO Fuel Storage
Facility (Building No. 765), the
Polishing Pond and Domestic Waste
Sludge Drying Beds.

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-730. The above named permittee is hereby authorized to perform the work (or operate the facility) shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To close the waste OTTO fuel container storage facility (Building No. 765) which was used for the storage of waste OTTO fuel (D003) in fifty-five gallon drums. The floor of the building is 28 feet by 38 feet with a 4-inch curb. The floor also contains a spill containment sump. The location of this building is shown in Figure 3 of the Closure Plan, dated March 15, 1989.

To close the Domestic Waste Sludge Drying Beds and the Polishing Pond which were used for the treatment and storage of F006/F019 rinsewater from electroplating operations, F001 through F005 paint stripping and parts cleaning operations, in addition to sludge from the aerobic digester of the domestic wastewater treatment plant.

The Domestic Sludge Drying Beds were constructed in 1970 and consist of five (5) beds. Each bed is approximately 50 feet by 50 feet with a three-foot high wall constructed of 8-inch concrete blocks and reinforced with wire tier ties. The bottom of the beds is unlined and is underlain by seven inches of sand, three inches of fine gravel and six inches to twelve inches of coarse gravel layers, as shown in Figures II.D.2-1 and II.D.2-2 of the Closure Plan dated July 22, 1988.

The Polishing Pond was built in 1970 to provide additional settling for 2.36 million gallons per day of combined domestic and industrial wastewater treated effluent. The Polishing Pond is unlined and has a surface area of 3.8 acres and an average depth of 3.5 feet, as shown in Figures II.D.2-3 and II.D.2-4 of the Closure Plan dated July 22, 1988.

These units are located at U. S. Naval Air Station - Jacksonville, Duval County, Florida. The locations of both the Polishing Pond and Domestic Waste Sludge Drying Beds are shown in Figures II.A.1-1 and II.A.1-2 of the Closure Plan dated July 22, 1988.

This permit does not authorize the facility to close or operate other regulated units at this facility.

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PERMITTEE:
U.S. Naval Air Station - Jacksonville
U.S. Highway 17 and Yorktown Avenue
Jacksonville, Florida 32212-5000

I.D. Number: FL6 170 024 412
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Date of Issue:
Expiration Date:

The following facility submittals are part of the application and were utilized in the preparation of this document and are considered a part thereof:

1. Closure Permit Application dated February 16, 1988;
2. Closure Plan; Domestic Sludge Drying Beds and Polishing Pond dated July 22, 1988.
3. Response to the First Notice of Deficiency, dated July 26, 1988.
4. Plume Delineation Report; Industrial Wastewater Treatment Plant; Naval Air Station - Jacksonville; Jacksonville, Florida, dated September, 1988.
5. Closure Plan; Waste OTTO fuel storage facility - building 765, dated March 15, 1989.
6. Revised Soil Sampling Plan, dated March 30, 1989.

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PERMITTEE:
U.S. Naval Air Station - Jacksonville
U.S. Highway 17 and Yorktown Avenue
Jacksonville, Florida 32212-5000

I.D. Number: FL6 170 024 412
Permit/Certification Number: HF 16-144281
Date of Issue: ☒
Expiration Date: ☒

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
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 Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor 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 does not constitute 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 the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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 at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. Having access to and copying any records that must be kept under the conditions of the permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

PERMITTEE:
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- 8. 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 notify and provide the Department with the following information:
 - a. a description of and cause of non-compliance; and
 - b. the period of noncompliance, including exact 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 revocation of this permit.

- 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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. 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.
- 11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
- 12. This permit is required to be kept at the work site of the permitted activity during the entire period of closure activities until the closure certifications have been approved.
- 13. This permit also constitutes:
 - () Determination of Best Available Control Technology (BACT)
 - () Determination of Prevention of Significant Deterioration (PSD)
 - () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
 - () Compliance with New Source Performance Standards
- 14. The permittee shall comply with the following monitoring and record keeping requirements:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.
 - b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

PERMITTEE:
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14. c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the Department, the permittee shall, within a reasonable period of time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that 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 submitted or corrected promptly.

16. In the case of a hazardous waste facility permit, the following permit conditions shall also apply:

a. The permittee will submit the following reports to the Department:

- (1) Manifest discrepancy report: If a significant discrepancy in a manifest is discovered, the permittee must attempt to reconcile the discrepancy. If not resolved within 15 days after receiving the waste, the permittee shall immediately submit a letter report including a copy of the manifest to the Department.
- (2) Unmanifested waste report: Permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.
- (3) Annual report: An annual report covering facility activities during the previous calendar year must be submitted in accordance with Florida Administrative Code Rule 17-730.180(6).

b. Notification of any noncompliance 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 verbally submitted to the Department within 24 hours and a written submission provided within 5 days. The verbal submission within 24 hours shall contain the name, address, I.D. number and telephone number of the facility and owner or operator, the name and quantity of materials involved, the extent of injuries (if any), an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain the following:

- (1) a description of and cause of noncompliance; and
- (2) 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.

c. Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

d. All reports or information required to be submitted to the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

PERMITTEE:
U.S. Naval Air Station - Jacksonville
U.S. Highway 17 and Yorktown Avenue
Jacksonville, Florida 32212-5000

I.D. Number: FL6 170 024 412
Permit/Certification Number: HF 16-144281
Date of Issue:
Expiration Date:

SPECIFIC CONDITIONS:

Part I - Closure of Land Disposal Units

1. The permittee shall close the hazardous waste land disposal units (surface impoundments) in a manner that minimizes or eliminates, to the extent necessary to protect human health and the environment, post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated runoff or hazardous waste decomposition products to the groundwater, surface water and atmosphere. [40 CFR 264.111(b)]
2. Within 60 days of the issuance of the permit, the permittee shall submit a wind rose for the facility which is based on the most recent data and information. [DER Form 17-730.401(2), Part II, A-1.]
3. The permittee shall close the facility in accordance with the Closure Plan dated July 22, 1988, and as required by 40 CFR 264.228. The permit conditions shall supercede the Closure Plan where there are differences between the permit conditions and the Closure Plan.
4. The permittee shall analyze the backfill material at least for EP toxicity, in addition to the testing specified in Section II.K.3.(c) of the Closure Plan, dated July 22, 1988. A minimum density of at least ninety-five (95) percent of the standard Proctor maximum dry density shall be obtained. Test results for soil testing and density testing shall be submitted to the Department within twenty (20) days of the completion of work. [40 CFR 264.112(b)]
5. All pervious and impervious equipment used for waste removal shall be sent to a permitted hazardous waste landfill for disposal unless they are decontaminated in accordance with Section II.K.2. of the Closure Plan, dated July 22, 1988. [40 CFR 264.112(e) and 264.114]
6. At the Domestic Waste Sludge Drying Beds, the permittee shall collect soil samples in accordance with the letter dated March 30, 1989. In addition to the depths described in this letter, soil samples shall be collected at a 1.0 foot depth. Locations for soil samples shall be as shown in Figure II.K.1-1 of the Closure Plan dated July 22, 1988. [40 CFR 264.112(b)(4)]
7. At the Polishing Pond, the permittee shall collect soil samples at a 6-inch depth in addition to the depths described in Section II.K.2.(d) of the Closure Plan, dated July 22, 1988. [40 CFR 264.112(b)(4)]
8. The permittee shall conduct sampling in accordance with EPA publications 600/4-83-040 "A Characterization of Hazardous Waste Sites - A Methods Manual: Volume 2, Available Sampling Methods", and 600/2-80-018, "Samplers & Sampling Procedures for Hazardous Waste Streams", and shall analyze in accordance with the latest edition of EPA publication SW-846, "Test Methods for Evaluating Solid Waste" and 600/4-82-057, "EPA Methods for Organic Chemical Analysis of Municipal & Industrial Waste".
9. The permittee shall submit the analytical data, actual sampling locations, and the number and depth of soil samples collected to the Department within fifteen (15) days after receipt of analytical data from the laboratory, but no later than seventy-five (75) days after each sampling event.
10. The permittee shall implement the Closure Plan within thirty (30) days of the issuance of the permit. [40 CFR 264.113(a)]

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PERMITTEE:
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SPECIFIC CONDITIONS:

11. Upon completion of the soil or groundwater analysis, if the permittee fails to demonstrate clean closure of the Domestic Waste Sludge Drying Beds and/or Polishing Pond, he shall notify the Department within fifteen (15) days of this determination. At the same time, the permittee shall request the Department to modify the permit to address post-closure care in accordance with 40 CFR 264.228.
12. The permittee shall submit detailed design specifications and engineering plans of the final cover, for Department approval, within forty-five (45) days of the determination that the land disposal unit(s) cannot be clean closed. The final cover design shall include the following, in addition to the specifications given in Section II.K.3.(b) of the Closure Plan, dated July 22, 1988:

- clay liner shall be installed to a minimum of at least 95% of its standard maximum dry density;
- 1% to 1.5% final slope;
- contours; and
- size of the liner.

The permittee shall begin installation of the final cover within thirty (30) days of Department approval.

13. The permittee shall manage all contaminated residues, sludges, and soils removed during excavation as hazardous waste, in accordance with 40 CFR 260 through 268, including the manifest requirements.
14. Should any changes in the time allowed for closure of the land disposal sites be necessary, prior approval of such changes must be obtained from the Department, as set forth in 40 CFR 264.113.
15. The permittee shall keep a copy of the Closure Plan, and all revisions to the plan, at the facility until closure is completed and certified in accordance with 40 CFR 264.115. [40 CFR 264.112(a)(1)]
16. Within sixty (60) days from the completion of closure, the permittee shall submit to the Department, by certified mail or hand delivery, a certification signed by the permittee and an independent professional engineer registered in the State of Florida, stating that the facility has been closed in accordance with the permit and specifications in the Closure Plan. [40 CFR 264.115]
17. The permittee shall maintain compliance with all applicable sections of 40 CFR 264 until the closure certification is approved by the Department.
18. The permittee shall provide opportunities for site inspections conducted by the Department and/or EPA inspectors by informing the Department three (3) days prior to sludge and soil removal from the Domestic Waste Sludge Drying Beds and Polishing Pond.
19. Within sixty (60) days after certification of closure, the permittee shall comply with the requirements of 40 CFR 264.119(a) (Notice to local land authority).
20. The permittee shall comply with the requirements of 40 CFR 264.119(b) (Notice in deed to property). The notice shall be submitted to the Department within sixty (60) days of certification of closure of each hazardous waste disposal unit.
21. Upon submittal of the certification of closure, the permittee shall submit a survey plat, in accordance with 40 CFR 264.116.

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PERMITTEE:
U.S. Naval Air Station - Jacksonville
U.S. Highway 17 and Yorktown Avenue
Jacksonville, Florida 32212-5000

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SPECIFIC CONDITIONS:

22. The permittee shall continue to inspect both the Polishing Pond and the Domestic Waste Sludge Drying Beds until the closure certification is accepted by the Department. The inspection records shall be entered into the operating records and maintained at the facility. [40 CFR 264.15, 264.73 and 264.226]

Part II - Groundwater Monitoring

1. Waste Management Area I [40 CFR 264.95(b)] shall be designated by an imaginary line that is immediately adjacent to and encircles the Domestic Waste Sludge Drying Beds. The Point of Compliance [40 CFR 264.95(a)] shall be the northern and eastern sides of the Sludge Drying Beds (Attachment A).
2. Waste Management Area II [40 CFR 264.95(b)] shall be designated by an imaginary line that is immediately adjacent to and encircles the Polishing Pond. The Point of Compliance [40 CFR 264.95(a)] shall be the northern and eastern sides of the Polishing Pond (Attachment B).
3. Within thirty (30) days after permit issuance, the permittee shall install additional monitoring wells, as follows, to comply with 40 CFR 264.97(a)(2):
 - a. Two shallow point of compliance monitoring wells, in addition to those proposed (Closure Plan dated July 22, 1988, page 67), shall be installed within the surficial aquifer, along the eastern side of the Sludge Drying Beds, as depicted in Attachment A. One deep point of compliance monitoring well shall also be installed beneath the sandy clay layer located approximately ten to thirty feet below land surface, as identified in well logs JAX-4-12D and JAX-4-13D of the Plume Delineation Report, dated September, 1988, and along the eastern side of the Sludge Drying Beds as depicted in Attachment A.
 - b. Three shallow point of compliance monitoring wells shall be installed along the eastern and northern side of the Polishing Pond, as depicted in Attachment B and above the clay layer described in Specific Condition 3(a) of Part II. One deep point of compliance monitoring well shall be installed along the eastern side of the Polishing Pond and an additional deep well shall be installed to the east of the polishing pond as depicted in Attachment B. These deep wells shall be installed beneath the sandy clay layer located ten to thirty feet below land surface as identified in well logs Jax-4-12D and Jax-4-13D of the Plume Delineation Report dated September 1988.
 - c. All new monitoring wells must be installed in accordance with 40 CFR 264.97(c). All monitoring wells shall have a screened or perforated interval which shall not exceed ten feet in length. All monitor wells shall be cased so that the integrity of the monitoring well borehole is maintained and that potential problems with groundwater contamination are minimized. The screen of each monitoring well shall be packed with suitably-sized sand material. A two-foot thick bentonite seal shall be emplaced in the annular space above the filter pack of each well, above which shall be emplaced, a cement or grout seal.
4. The background monitoring well for the domestic waste sludge drying beds and polishing pond shall be NAS 4-9.

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 Jacksonville, Florida 32212-5000

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 Expiration Date: ☒

SPECIFIC CONDITIONS:

5. Within thirty (30) days after final well completion, the permittee shall submit a "well completion report" for the new wells specified in Specific Conditions 3 of this Part which, at a minimum, includes the following:
 - a. A "Well Construction Summary Report" (Attachment C) for each well.
 - b.
 - (1) Location map with orientation and scale.
 - (2) Protective devices.
 - (3) Well development procedures, duration of well development.
 - (4) Deposition of boring soils, drilling muds and fluids, and purge water.
 - (5) Detailed lithologic logs including soils classification used, the geologist or geotechnical person responsible for compiling the lithologic logs, and sampling devices and intervals.
6. Within thirty (30) days after final well completion, the permittee shall submit, to the Department, the results of vertical and horizontal permeability tests of samples taken during the installation of deep monitoring wells specified in Specific Conditions 3(a), 3(b), and (4) of this Part.
7. Within thirty (30) days of well installation required in Specific Condition 3 of this part, the facility shall perform slug tests for each well and submit the results to the Department.
8. Within thirty (30) days after final well completion, the permittee shall sample the three existing compliance point monitoring wells (Closure Plan, dated July 22, 1988, page 67), and the new monitoring wells specified in Condition 3 of this Part and background well NAS 4-9 for the parameters listed below:
 - a. 40 CFR 261 Appendix VII Parameters
 - Complexed Cyanide
 - Cadmium
 - Hexavalent Chromium
 - Nickel
 - Tetrachloroethylene
 - Methylene Chloride
 - Trichloroethylene
 - 1,1,1-Trichloroethane
 - 1,1,2-Trichloroethane
 - Chlorobenzene
 - 1,1,2-Trichloro-1,2,2-Trifluoroethane
 - Ortho-Dichlorobenzene
 - Trichlorofluoromethane
 - Toluene
 - Methyl Ethyl Ketone
 - Carbon Disulfide
 - Isobutanol
 - Pyridine
 - 2-Ethoxyethanol
 - Benzene
 - 2-Nitropropane
 - Carbon Tetrachloride
 - Cresols
 - Cresylic Acid
 - Nitrobenzene

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SPECIFIC CONDITIONS:

b. 40 CFR 264.98(a) Indicator Parameters

pH (Field)
Specific Conductance (Field)
Total Organic Halogen
Total Organic Carbon

c. 40 CFR 264.94(a)(2) Table I Parameters

Arsenic
Barium
Chromium
Lead
Mercury
Selenium
Silver
Endrin
Lindane
Methoxychlor
Toxaphene
2,4-D
2,4,5-TP Silvex

d. FAC 17-550.310 Primary Drinking Water Standards

Nitrate (as N)
Sodium
Radium
Gross Alpha/Gross Beta
Turbidity
Coliform Bacteria
Ethylene Dibromide
Vinyl Chloride
Chloroform

e. FAC 17-550.320 Secondary Drinking Water Standards

Chloride
Fluoride
Copper
Manganese
Zinc
Sulfate
Iron

f. Previously Detected Appendix IX Parameters

Phenols
Xylene
1,1 Dichloroethane
1,2 Dichloroethane
1,2-Dichloropropane
1,2,3-Trichloropropane
Vanadium

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SPECIFIC CONDITIONS:

9. The permittee shall implement an accelerated sampling program (every month for a total of four (4) sampling periods) to expedite the collection of groundwater data. The first sampling event shall commence within thirty (30) days of final well installation. Accelerated sampling events shall be at least thirty (30) days apart. After this initial period of accelerated sampling, sampling shall continue on a quarterly basis for the length of the closure period.
10. The permittee shall measure the groundwater elevation every time any well is sampled, to comply with 40 CFR 264.97(f). If groundwater elevations indicate a change in the groundwater flow direction of the surficial aquifer, this permit may be modified to require the installation of additional monitoring wells. The permittee may use other existing wells for the groundwater elevation measurement.
11. The permittee shall submit to the Department an analytical report including groundwater elevations, within fifteen (15) days of the receipt of analytical data, but no later than seventy-five (75) days of the sampling event, in accordance with FAC 17-730.180(4)(a). If these analyses cannot be submitted within this time, the permittee must submit a letter to the Department, stating the cause of the delay. The Department will review any such reason for delay and may grant an extension of time for submittal of the data.
12. During the first sampling event after permit issuance and every twelve (12) months thereafter, the permittee shall determine the horizontal and vertical groundwater flow rates and directions for the upper and any interconnected aquifer(s) [40 CFR 264.98(e)]. This initial determination must be reported to the Department within seventy-five (75) days of the first sampling event and every twelve months thereafter.
13. If groundwater data collected, pursuant to this Part, indicates that any constituent(s) listed in Specific Condition 8.a,c,d or f of this Part exceeds background values, or primary drinking water standards, then post-closure maintenance and monitoring of these units shall be required.
14. The permittee shall provide the Department with opportunities to observe groundwater sampling by providing verbal notification at least five (5) days prior to each sampling event.
15. The permittee shall use unfiltered groundwater samples for analyses.
16. Sampling and analytical methods shall conform to those specified in EPA Manual SW-846, "Test Methods for Evaluating Solid Waste" (latest edition), or Department approved equivalent methods. The Sampling and Analysis Plan shall be in accordance with EPA Manual 600/4-84-076, "A Characterization of Hazardous Waste Sites - A Methods Manual, Volume 2, Available Sampling Methods" or Department-approved equivalent methods [40 CFR Part 264.97(d) and (e)].
17. Any borings or wells that are no longer used shall be abandoned in accordance with FAC 17-21.100(4).
18. If, for any reason, the permittee changes consultants or laboratories during the lifetime of this permit, the permittee shall submit, to the Department, a revised Quality Assurance Plan, in accordance with Form DER-QA-001/85, within thirty (30) days of the change.

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SPECIFIC CONDITIONS:

Part III - Closure of Storage Facility

1. The permittee shall close the Waste OTTO Fuel Storage facility (Building No. 765) as required by 264.111 and the Closure Plan dated March 15, 1989.
2. The permittee shall collect a sample from the sump in addition to the samples described in Section K l.b. of the Closure Plan dated March 15, 1989. [40 CFR 264.112(b)(4)]
3. The permittee shall implement the Closure Plan within thirty (30) days of the Department's approval of the Quality Assurance Project Plan for Building 765.
4. The permittee shall conduct sampling in accordance with EPA publications 600/4-83-040 "A Characterization of Hazardous Waste Sites - A Method Manual: Volume 2, Available Sampling Methods," and 600/2-80-018, "Samplers and Sampling Procedures for Hazardous Waste Streams," and shall analyze in accordance with the latest edition of EPA publication SW-846, "Test Methods for Evaluating Solid Waste" and 600/4-82-057, "EPA Methods for Organic Chemical Analysis of Municipal and Industrial Waste."
5. The permittee shall keep a copy of the Closure Plan and all revisions to the Plan at the facility until closure is completed and certified. [40 CFR 264.112(a)(1)]
6. The permittee shall decontaminate and/or dispose of all facility equipment as required by 40 CFR 264.114, 264.178 and the Closure Plan dated March 15, 1989.
7. Within thirty (30) days from completion of closure, the permittee shall submit to the Department by certified mail or hand delivery, a certification signed by the permittee and an independent professional engineer registered in the State of Florida, stating that the facility has been closed in accordance with the permit and specifications in the Closure Plan. [17-730.220(5) F.A.C.]

Part IV - Standard Requirements

1. Six (6) copies of all submittals in response to the conditions of this permit shall be submitted to:

Hazardous Waste Supervisor
Department of Environmental Regulation
3426 Bills Road
Jacksonville, Florida 32207
2. 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 Specific Condition(s) affected, and the number and project name of the permit involved. All submittals modifying the approved Closure and/or Post-closure Plan shall be signed, sealed and certified by a professional engineer registered in the State of Florida, in accordance with Rule 17-730.220(5), FAC.
3. All submittals modifying major engineering features of the hazardous waste management unit shall be worded, signed and certified by a qualified, independent professional engineer registered in the State of Florida, in accordance with Rule 17-730.220(5), FAC.

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SPECIFIC CONDITIONS:

4. The Department may modify, revoke, reissue, or terminate for cause, this permit in accordance with the provisions of 17-730.290, FAC. 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 revisions to the Department for departmental approval. Should these revisions constitute a major modification to the permit, the permittee shall meet the requirements of 17-730.290, FAC.
5. Based on any information or data obtained after the effective date of this permit, the Department may modify the permit to address post-closure care, additional groundwater assessment, the installation of additional wells within each affected aquifer, and compliance monitoring and/or corrective action as specified under 40 CFR 264.99 and 264.100. The new wells are subject to the installation requirements of 40 CFR 264.97(c) and sampling requirements of 40 CFR Part 264.99.
6. Prior to 135 days before the expiration of this permit, the permittee shall submit a complete application for renewal of the permit on forms and in a manner prescribed by the Department, unless clean closure has been demonstrated, certified and accepted.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Ernest E. Frey
Deputy Assistant Secretary

ATTACHMENT A

FIGURE II.M.0-2
PROPOSED MONITORING WELLS FOR
THE DOMESTIC SLUDGE DRYING BEDS
NAS JACKSONVILLE

DOWN GRADIENT WELLS

NORTHEAST DISTRICT
NOV 21 1988
DER-JACKSONVILLE

POINT OF COMPLIANCE
PROPOSED SHALLOW
MONITORING WELL

PROPOSED
DEEP MONITORING
WELL

PROPOSED SHALLOW MONITORING WELL

GROUND WATER FLOW

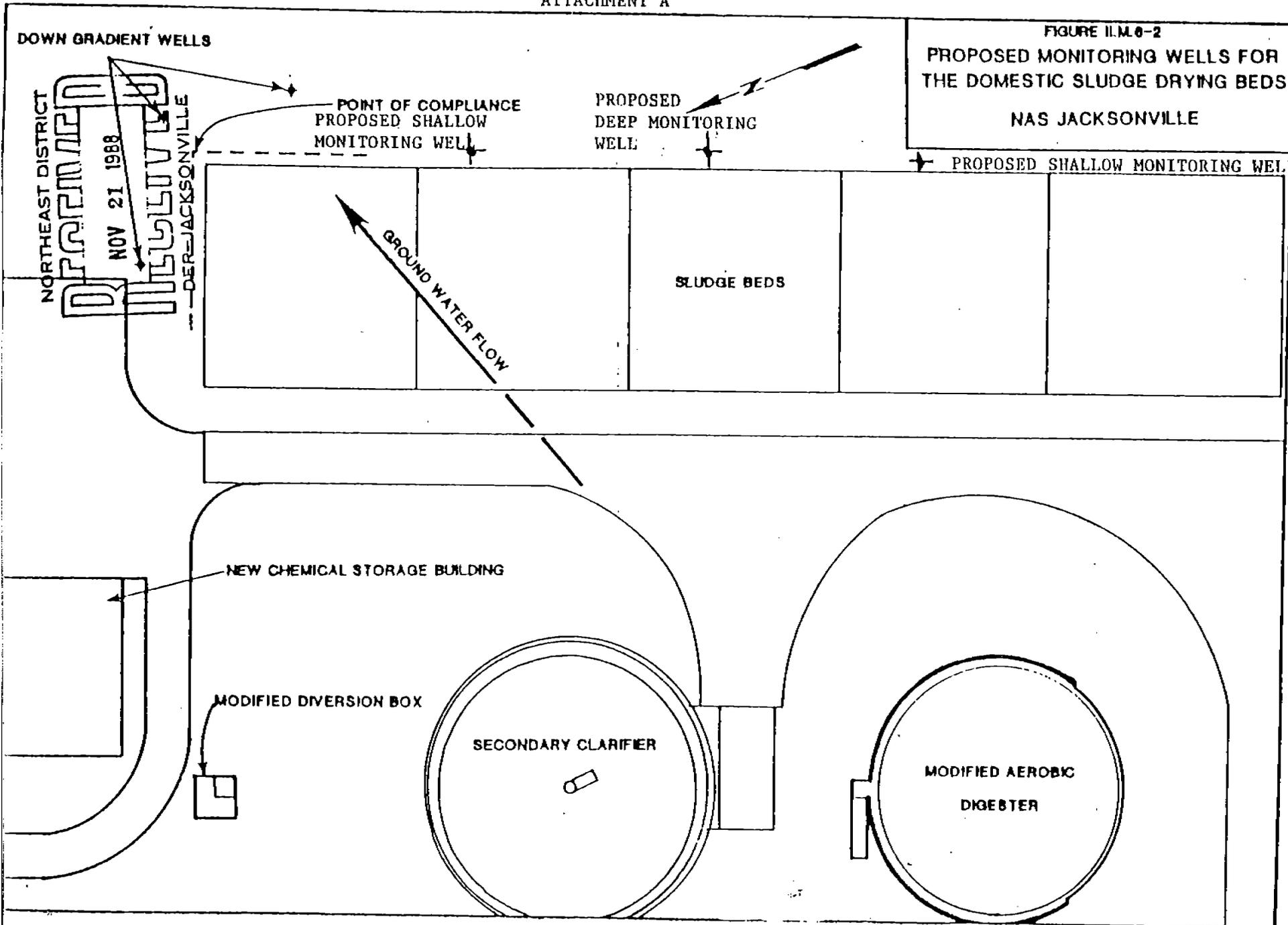
SLUDGE BEDS

NEW CHEMICAL STORAGE BUILDING

MODIFIED DIVERSION BOX

SECONDARY CLARIFIER

MODIFIED AEROBIC
DIGESTER



NORTHEAST DISTRICT
NOV 21 1988
DER JACKSONVILLE



0 400
scale

EXPLANATION

● EXISTING MONITORING WELL

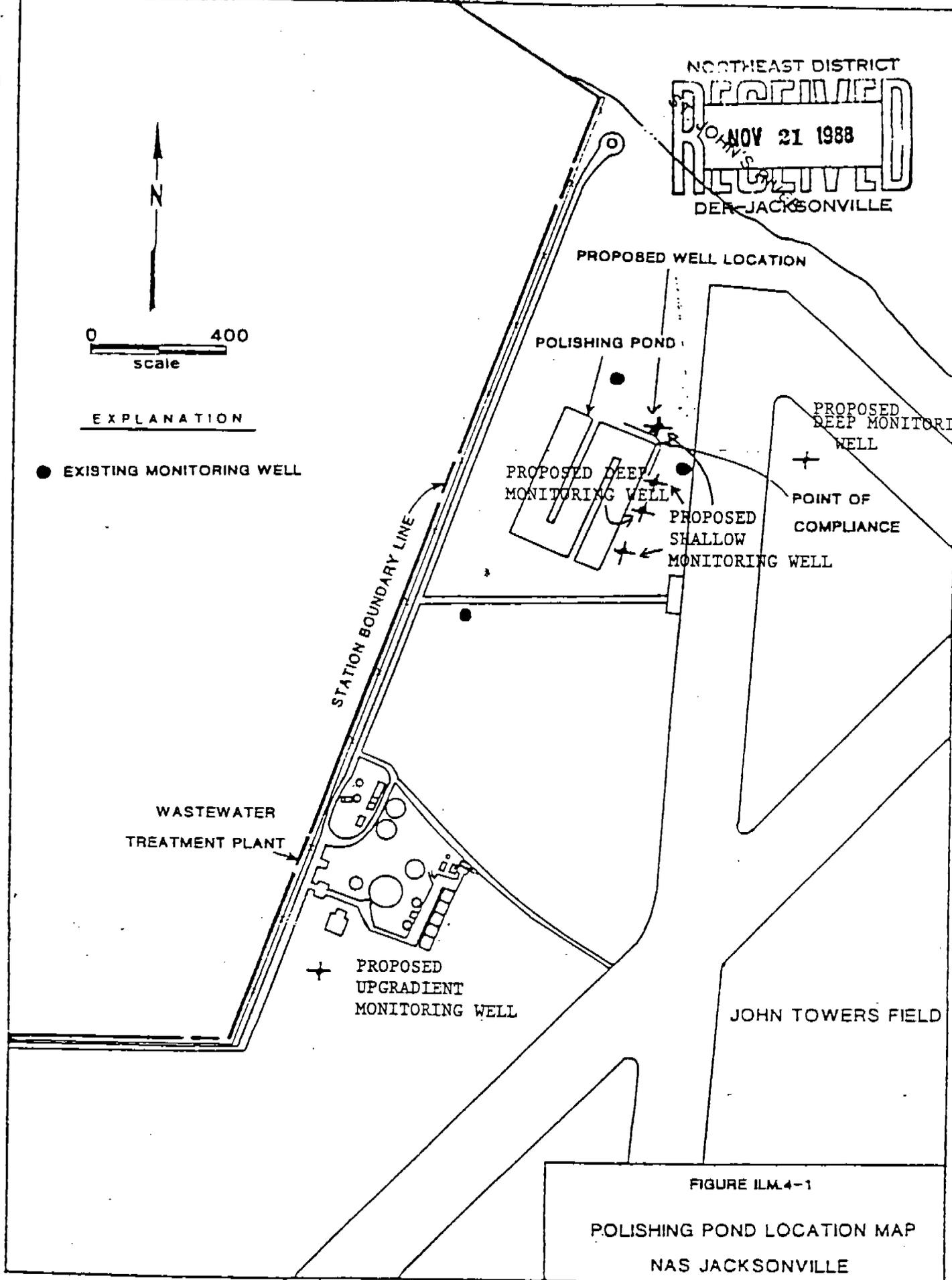


FIGURE ILM.4-1
POLISHING POND LOCATION MAP
NAS JACKSONVILLE

Instructions for Well Construction Summary

- A. **Elevation:** The land surface elevation at the well location and the elevation of the top of casing (TOC) must be reported relative to sea level (MSL).
- B. **Turbidity:** Measurements must be made immediately after well development is completed.
- C. **Casing:** List the material of each casing used (PVC, stainless steel, etc.) in order of emplacement in each well, the inside and outside diameter of each casing, and the top and bottom depth of each casing (or series of casings where identical casings are used) relative to ground surface.
- D. **Screen:** List the material of the monitoring screen, inside and outside diameter of the screen, the top and bottom depth of the screen (relative to ground surface) and the manufactured slot (or perforation) size of the screen.
- E. **Annulus:** List the material(s) used to seal the annular space of the well along with any additives, the size of the material (filter pack), the depth interval (relative to ground surface), and the method used to install the material (tremie pipe, pouring, etc.).
- F. **Drilling method:** List drilling method(s) used to install the well (mud-rotary, etc.), the diameters of the bit or auger used, the drilling interval (relative to ground surface) for each method or bit/auger diameter used, and the type of drilling fluids used.
- G. **Well construction diagram:** The diagram should show the final construction details of the well including surface elevation, hole diameter, casing length, casing material, screen length, screen material, annulus sealant, and total depth of the well. Height (relative to ground surface) of sockup and presence of security should be indicated.
- H. **Latitude, Longitude:** These must be reported to the nearest one-hundredth (.01) of a second.