



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

September 20, 1991

N00204.AR.000264

NAS PENSACOLA

5090.3a

CERTIFIED MAIL

P 318 725 808

Captain T.W. Bone, CEC, USN
Commanding Officer
Naval Public Works Center, Code 480
U.S. Naval Air Station
Pensacola, Florida 32508-6500

Subject: Navy Public Works Center
FL9 170 024 567
HF17-170951
Escambia County - Hazardous Waste

Dear Captain Bone:

Enclosed is Permit Number HF17-170951 dated September 20, 1991 to conduct post-closure activities at the regulated units at your facility, issued pursuant to Section 403.722, Florida Statutes and Florida Administrative Code 17-730.260. Acceptance of the permit constitutes notice and agreement that the Department may periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement actions for violation of the condition and requirements thereof.

Any party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice accompanied by the applicable filing fees with the appropriate District Court of Appeals.

The Notice of Appeals must be filed within thirty (30) days from the date this permit is issued.

Sincerely,

John M. Ruddell, Director
Division of Waste Management

JR/SGo
Enclosure

cc w/enclosure:

Robert Kriegel, DER/Pensacola Eric Nuzie, BWC
Jim Scarbrough, EPA/Region IV Bill Kellenberger, DER/Pensacola
Kent Williams, EPA/Region IV Honorable Jerry Maygarden, Mayor of Pensacola
Honorable Dave Paulock, Chairman of County Commissioners, Escambia county



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PERMITTEE :

Naval Public Works Center, Code 480
U.S. Naval Air Station
Pensacola, Florida 32508-6500

Attention:

Commanding Officer, CEC, USN

I.D. Number: FL9 170 024 567

Permit/Certification No.: HF17-170951

Date of Issue: September 20, 1991

Expiration Date: September 20, 1996

County: Escambia

Latitude/Longitude: 30°21'54"N/87°15'52"W

Section/Township/Range: 1/T3S/R30W

Project: Post-Closure of Surge Pond and
Sludge Drying Beds.

This permit is issued under the provision of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-3, 17-4, 17-25, 17-532, 17-550 and 17-730. The above named permitted is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To post-close the sludge drying beds and surge pond which contained hazardous waste generated from the U.S. Naval Air Station - Pensacola. These units were closed under the provisions of hazardous waste closure permit numbers HF17-134657 and HF17-148989, respectively. As such, these units are no longer in operation.

The application named in this permit consists of the following documents which are considered a part thereof:

1. Semi-annual Report Corrective Action Programs dated August, 1988.
2. Federal Facilities Agreement between United States Environmental Protection Agency, Florida Department of Environmental Regulation for the State of Florida and United States Department of the Navy for the United States Naval Air Station Pensacola, Pensacola, Florida dated October 23, 1990.
3. Revised post-closure permit application for the surge pond and sludge drying beds dated February 28, 1991.

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Naval Air Station
Pensacola, Florida 32508-6500

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GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 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 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 the 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.

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7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times access to the premises where the permitted activity is located or conducted to:

(a) Have access to and copying 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 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. 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:

(a) A description of and cause of noncompliance; and

(b) 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 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 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.

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10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 17-3.051, 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 Department approval in accordance with Rules 17-4.120 and 17-730.300 F.A.C., as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof is required to be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - (a) Determination of Best Available Control Technology (BACT)
 - (b) Determination of Prevention of Significant Deterioration (PSD)
 - (c) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
 - (d) Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
 - (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 recode of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by this permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

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(c) Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable 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 corrected promptly.
16. The following conditions shall also apply to a hazardous waste facility permit :

(a) The following reports shall be submitted to the Department:

1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.
2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.
3. Biennial report. An biennial report covering facility activities during the previous calendar year shall be submitted to the Department by March 1, of each even numbered year pursuant to Chapter 17-730, F.A.C.

(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 reported verbally to the Department within 24 hours, and a written report shall be provided within 5 days. The verbal report within 24 hours shall contain the name, address, I.D. number and telephone number of the facility, its Owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain:

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1. A description of cause of the noncompliance.
 2. If not corrected, the expected time of correction 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 shall be submitted no later than 14 days after each schedule date.
- (d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

SPECIFIC CONDITIONS:

PART I - **STANDARD** REQUIREMENTS:

1. Two Submittals in response to these permit conditions shall be submitted to:

Federal Facilities Coordinator
Bureau of Waste Cleanup
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

One submittal in response to these permit conditions shall be submitted to:

District Manager
Department of Environmental Regulation
Northwest District Office
160 Governmental Center
Pensacola, Florida 32501-5794

One submittal in response to these permit conditions shall be submitted to:

Mr. James H. Scarbrough, P.E., Chief
Waste Management Division
U.S. Environmental Protection Agency
Region IV
345 Courtland Street
Atlanta, Georgia 30365

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

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permit number and project name of the permit involved. All submittals modifying the approved Post-closure Plan shall be certified by the owner and operator and signed, sealed and certified by a professional engineer registered in the State of Florida except when exempted in accordance with 17-4.050 and 17-730.220(5), FAC.

3. The Department may modify, revoke, reissue, or terminate for cause this permit. 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 applicability or enforceability of any permit condition. The permittee may submit any subsequent revisions to the Department for approval. Should these revisions constitute a major modification to the permit, the permittee shall meet the requirements of 17-730.290, FAC.
4. Prior to 135 calendar days before the expiration of this permit, the permittee shall submit a complete application for renewal of the permit on form and in a manner prescribed by the Department, unless post-closure has been completed and certified in accordance with Specific Condition 11.6 and accepted by the Department [17-730.300(1), FAC].
5. The Department of Environmental Regulation's 24-hour emergency telephone number is 904/488-1320. During normal business hours, the DER District Office may be contacted at 904/436-8300, and the Bureau of Waste Cleanup may be contacted at 904/488-0190.
6. The permittee shall keep a written operating record at the facility which includes:
 - a. A summary report and details of incidents that require implementation of the contingency plan.
 - b. The results of inspections.
 - c. Post-closure plan.
 - d. Monitoring, testing or analytical data where required by 40 CFR Part 264 Subparts F and G.

These records must be maintained at the facility until completion and certification of post-closure [40 CFR Parte 264.73 and .74].

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7. The permittee shall comply with the applicable portions of 40 CFR Parts 260 through 268 and those conditions required by 40 CFR Part 270.30 and 270.31 (17-730.280, FAC).
8. The permittee shall revise "Part I - General" of the Application for a Hazardous Waste Facility Permit (17-730.900(2), FAC) within thirty (30) calendar days of any changes in the Part I. The revised "Part I - General" must be submitted to the Department within thirty (30) calendar days of such changes.
9. If at any time the permittee determines that actions undertaken as part of associated monitoring program no longer satisfy the requirements set forth in this permit, the permittee shall, within seven (7) calendar days, notify the Department of this finding. If the Department determines that a major modification of the permit is required, the permittee shall, within sixty (60) calendar days, submit an application for a permit modification in accordance with 17-730.290 FAC, to make any appropriate changes to the permit.

PART II - POST-CLOSURE PROGRAM:

1. Upon the effective date of this post-closure permit, the permittee shall:
 - a. Continue post-closure care in accordance with 40 CFR Part 264.117(a). The post-closure care period began October 24, 1990 and shall continue for thirty years after that date.
 - b. Maintain compliance with security provisions of 40 CFR Part 264.14 throughout the post-closure care period to prevent the unauthorized entry of persons or livestock onto the facility (40 CFR Part 264.117(b)).
 - c. Never disturb the final cover or any other components of the associated structures unless previous Department approval has been provided pursuant to 40 CFR Part 264.117(c).
 - d. Ensure that all post-closure care activities be in accordance with the revised February 28, 1991 Post-closure Plan required by 40 CFR Part 264.118 [40 CFR Part 264.117(d)].
2. The permittee shall inspect the Waste Management Area and monitoring well system on a quarterly basis and after any substantial rainfall event. The permittee shall maintain an inspection log taken to record findings and remedial action taken in maintaining the final cover, containment

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structures, groundwater monitoring equipment, corrective action, control of vegetative growth, surveying benchmarks and security devices. Each item to be inspected shall be addressed and space provided to describe any defects and follow-up action to ensure repair. The inspector's name, and inspection date and time shall be included [40 CFR Part 264.118(b)].

3. The permittee shall keep a copy of the Post-closure Plan and all revisions to the plan at the facility until post-closure care is completed and certified in accordance with 40 CFR Part 264.120 [40 CFR Part 264.118(c)].
4. Any proposed amendments to the Post-closure Plan shall be submitted to the Department for review and approval [40 CFR Part 264.118(d)].
5. The permittee shall comply with the requirements of 40 CFR Part 264.119(b) (Notice in deed to property). The notice shall be submitted to the Department within sixty (60) days of permit issuance.
6. Within sixty (60) days from the completion of the established post-closure care period, the permittee shall submit to the Department by certified mail or hand delivery, a letter signed by the permittee and an independent professional engineer registered in the State of Florida, except when exempted in accordance with 17-4.050 and 17-730.220(5), FAC, stating that the post-closure care for the hazardous waste disposal unit was performed in accordance with the specifications in the approved Post-closure Plan [40 CFR Part 264.1201].
7. The permittee shall comply with all applicable portions of 40 CFR Parts 260 through 268 until released from post-closure care requirements.

PART III - GROUNDWATER MONITORING PROGRAM:

1. The Waste Management Area shall be imaginary lines circumscribing the Sludge Drying Bed 8 and Surge Pond designated on Attachment A [40 CFR Part 264.95(b)(1) and (2)]. The Point of Compliance shall be the northern, western, and eastern boundaries of the Waste Management Area [40 CFR Part 264.95(a)].
2. The background water quality monitoring well for the Waste Management Area shall be Well UC-1 (Attachment B).
3. The point-of-compliance (POC) wells for the Sludge Drying Beds and Surge Pond shall be PCS-1, PCI-1, PCD-1, GM-8, GH-9, OM-10, GM-68 and GM-69 (Attachment B). If future groundwater monitoring indicate a change in groundwater flow direction within the surficial aquifer, this permit may be modified to require the installation of additional point-of-compliance monitoring wells.

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- 4. All groundwater sampling shall be conducted in accordance with an approved Quality Assurance Plan (Appendix F-5 of the revised application dated February 28, 1991). If there are any changes in the Groundwater Monitoring Plan at the facility, including changes in personnel or contractor, a revised Quality Assurance Project Plan in accordance with 17-160.220, FAC, must be submitted to the Department for review within thirty (30) days.
- 5. The permittee shall sample the background well, all point-of-compliance wells and assessment wells GM-62, GM-63, GM-64, GM-65, GM-66, and GM-67 (Attachment B) in January and July of each year throughout the Compliance Period specified in Specific Condition 12 of this Part. Each of these wells must be sampled for the constituents listed in Specific Conditions 7 and 10 of this Part. In addition, wells GM-11, GM-12R, GM-13 and GM-14 must be sampled for complexed cyanide in January and July of each year throughout the Compliance Period.
- 6. The permittee shall submit to the Department groundwater monitoring reports that provide analytical data and information requested in Specific Conditions 5, 9, 14, 15 and 18 of this Part and specific Condition V.2. The groundwater monitoring data from each January sampling event shall be submitted no later than the following April 30 and data from each July sampling event shall be submitted no later than the following October 31. If for any reason the permittee is unable to submit analyses within the specified time, the permittee must comply with General Condition 8.
- 7. The Groundwater Protection Standard (40 CFR Part 264.92) shall be:

<u>Parameters</u>	<u>Concentration Limits</u>
arsenic	0.05 mg/l
barium	1.0 mg/l
cadmium	0.01 mg/l
total chromium	0.05 mg/l
lead	0.05 mg/l
mercury	0.002 mg/l
selenium	0.01 mg/l
silver	0.05 mg/l
nickel	background
vanadium	background
zinc	background
complexed cyanide	background
2-chlorophenol	PQL
2,4-dichlorophenol	PQL
2,4-dimethylphenol	PQL
4,6-dinitro-o-cresol	PQL

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2,4-dinitrophenol	PQL
2-nitrophenol	PQL
4-nitrophenol	PQL
p-chloro-m-cresol	PQL
pentachlorophenol	PQL
phenol	PQL
2,4,6-trichlorophenol	PQL
2-methyl phenol	PQL
p-methyl phenol	PQL
methyl ethyl phenol	PQL
dimethyl ethyl phenol	PQL
tetramethyl butyl phenol	PQL
acenaphthene	PQL
acenaphthylene	PQL
anthracene	PQL
benzidine	PQL
benzo(a)anthracene	PQL
benzo(a)pyrene	PQL
3,4-benzofluoranthene	PQL
benzo(ghi)perylene	PQL
bis(2-chloroethoxy)methane	PQL
bis(2-chloroethyl)ether	PQL
bis(2-chloroisopropyl)ether	PQL
bis(2-ethylhexyl)phthalate	PQL
4-bromophenyl phenyl ether	PQL
butylbenzyl phthalate	PQL
2-chloronaphthalene	PQL
4-chlorophenyl phenyl ether	PQL
chryeene	PQL
dibenzo(a,h)anthracene	PQL
1,2-dichlorobenzene	PQL
1,3-dichlorobenzene	PQL
1,4-dichlorobenzene	PQL
3,3-dichlorobenzidine	PQL
1,2-dichloropropane	PQL
1,2-dichloropropylene	PQL
ethylbenzene	PQL
methyl bromide	PQL
methyl chloride	PQL
methyl ethyl ketone	PQL
methylene chloride	PQL
1,1,2,2-tetrachloroethane	PQL
tetrachloroethylene	PQL
toluene	PQL
1,2-trans-dichloroethylene	PQL

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1,1,1-trichloroethane	PQL
1,1,2-trichloroethane	PQL
trichloroethylene	PQL
trichlorofluoromethane	PQL
vinyl chloride	PQL
benzyl alcohol	PQL
methyl dihydto indene	PQL
tetramethylbenzene	PQL
, "alkylated" benzene	PQL
2-hexanone	PQL
trimethyl benzene	PQL
hydroxymethyl pentanone	PQL
diethylphthalate	PQL
dimethylphthalate	PQL
di-n-butyl phthalate	PQL
2,4-dinitrotoluene	PQL
di-n-octyl-phthalate	PQL
1,2-diphenylhydrazine	PQL
fluoranthene	PQL
hexachlorobenzene	PQL
hexachlorobutadiene	PQL
hexachlorocyclopentadiene	PQL
hexachloroethane	PQL
indeno(1,2,3-cd)pyrene	PQL
isophorone	PQL
methyl naphthalene	PQL
2-methyl naphthalene	PQL
naphthalene	PQL
nitrobenzene	PQL
n-nitrosodimethylamine	PQL
n-nitrosodi-n-propylamine	PQL
n-nitrosodiphenylamide	PQL
phenanthrene	PQL
pyrene	PQL
1,2,4-trichlorobenzene	PQL
acrolein	PQL
acrylonitrile	PQL
benzene	PQL
bis(chloromethyl) ether	PQL
bromoform	PQL
carbon tetrachloride	PQL
chlorobenzene	PQL
chlorodibromomethane	PQL
chloroethane	PQL
2-chloroethylvinyl ether	PQL
chloroform	PQL

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dichlorobromomethane	PQL
dichlorodifluoromethane	PQL
1,1-dichloroethane	PQL
1,2-dichloroethane	PQL
1,1-dichloroethylene	PQL

PQL = practical quantification limit (see Specific Condition 8 of this Part); mg/l = milligrams per liter; background is defined in Specific Condition 9 of this Part.

8. The Practical Quantification Limit (PQL) shall be the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions, PQLs must not routinely exceed maximum contaminant levels of 17-550.310 and .320, FAC.

9. Background concentrations shall be established through sampling at the upgradient background well each time groundwater is sampled at the Point of Compliance. Background concentration for any given constituent for the purpose of this permit (see Specific Condition 7 of this Part) shall be defined as the mean of the four most recent analytical results of that constituent from well UG-1.

0 The following additional constituents shall be sampled on a semiannual basis:

1 -

turbidity	specific conductance
sodium	chloride
total coliform	copper
nitrate (as N)	iron
radium 226	fluoride
radium 228	manganese
gross alpha	sulfate
gross beta	pH

11. The permittee may apply for Alternate Concentration Limits (ACLs) for any constituent included with Specific Condition 7 of this Part in accordance with 40 CFR Part 264.94. In accordance with 40 CFR Part 264.94(b), the Department shall establish Alternate Concentration Limits (ACLs) upon approval of the ACL demonstration.

12. The Compliance Period (40 CFR Part 264.96) for the Waste Management Area began August 20, 1984 and shall be 19 years long. If the permittee is engaged in a corrective action program at the end of the Compliance Period, the Compliance Period is extended until the permittee can demonstrate that the Groundwater Protection Standard (40 CFR Part 264.92) specified in Specific Condition 7 of this Part has not been exceeded for a period of three consecutive years (40 CFR Part 264.96(c)).

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13. Groundwater elevations for all existing monitoring wells must be measured in January, April, July and October of each year. All groundwater elevations must be measured within the same eight hour period and must be measured prior to well purging whenever samples are to be taken. The January groundwater elevation data must be submitted no later than the following April 30; the April groundwater elevation data must be submitted no later than the following July 31; the July groundwater elevation data must be submitted no later than the following October 31; and the October groundwater elevation data must be submitted no later than January 31 of the following year. In addition, in January and July of each year, the total depth of all wells included in the groundwater monitoring program (Specific Conditions 2, 3 and 5 of this Part) must be determined by physical measurement prior to sampling to determine if siltation is occurring and to calculate the casing volume to be purged. If infilling or siltation is determined, then discovery and other corrective action taken shall be reported to the Department within fifteen (15) days.
14. The permittee shall notify the Department in writing if any damage to the groundwater monitoring wells occurs. Damage subject to this notification will be that requiring repair, not maintenance. Notification describing Corrective action taken shall be given after damage has been corrected, or within fifteen (15) days from the date the damage was detected, whichever occurs first. Description of corrective action taken shall be Submitted in writing to the Department, in any case, within fifteen (15) days of completion date.
15. The horizontal groundwater flow rates and directions shall be determined for each affected aquifer quarterly. This information shall be submitted to the Department with the reports required by Specific Condition 6. of this Part.
16. The permittee shall provide the Department with opportunities to observe groundwater sampling and split samples by providing notification at least ten (10) days prior to each groundwater sampling event.
17. Any proposed modifications to the Groundwater Monitoring Plan must be submitted to the Department for review. Upon Department approval, the permit shall be modified in accordance with 17-730.290, FAC.
18. If wells are to be abandoned, they shall be abandoned in accordance with 17-532.500(4), FAC.

PART IV - **POST-CLOSURE ASSESSMENT:**

1. Additional **assessment** of contaminated groundwater must continue in conjunction with the CERCLA Remedial Investigation/Feasibility Study.

PERMITTEE

Naval Public Works Cntr. - Pensacola
Naval Air Station
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PART V - POST-CLOSURE CORRECTIVE ACTION:

1. The permittee shall maintain the on-going corrective action plan as described in the "Semi-annual Report Corrective Action Programs", dated August, 1988, and modified in Section II.M.8.d of the application to meet the requirements of 40 CFR Part 264.100 and CERCLA requirements.
2. The permittee shall submit to the Department in April and October of each year a report on the effectiveness of the corrective action program [40 CFR Part 264.100(g)]. At a minimum, the following information must be submitted:
 - a. A narrative summary on the effectiveness of the corrective action program (CAP).
 - b. Any minor revisions or adjustments to the corrective action system or plan.
 - c. Any proposed modifications to the CAP and/or Post-Closure Plan.
 - d. Record of when treatment system is on/off.
 - e. Total volume of processed groundwater.
 - f. Chain-of-custodies and lab reports.
 - g. Summary of groundwater data with emphasis (including graphic representation) on the most common contaminants, and those most difficult to treat.
 - h. Groundwater elevation contour maps for previous six months. Separate maps must be prepared for the shallow, intermediate and deep wells.
3. The permittee must continue corrective action measures during the compliance Period to the extent necessary to ensure that the Groundwater Protection Standard is not exceeded. If the permittee is conducting corrective action at the end of the Compliance Period, the permittee shall continue that corrective action until groundwater monitoring data demonstrate that the Groundwater Protection Standard has not been exceeded for a period of three consecutive years [40 CFR Part 264.96(c) and .100(f)].

PERMITTEE

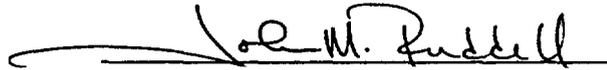
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- 4. If corrective action is terminated prior to the termination of the post-closure care period, this permit shall be modified to address at a minimum, semi-annual groundwater monitoring throughout the remainder of the post-closure care period.
- 5. The Corrective action program set forth in 40 CFR Part 264.100 shall extend beyond the facility property boundary [17-730.180(5)(b), FAC].

ISSUED 9/20/91

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



John M. Ruddell, Director
Division of Waste Management

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

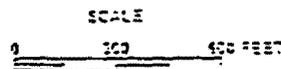
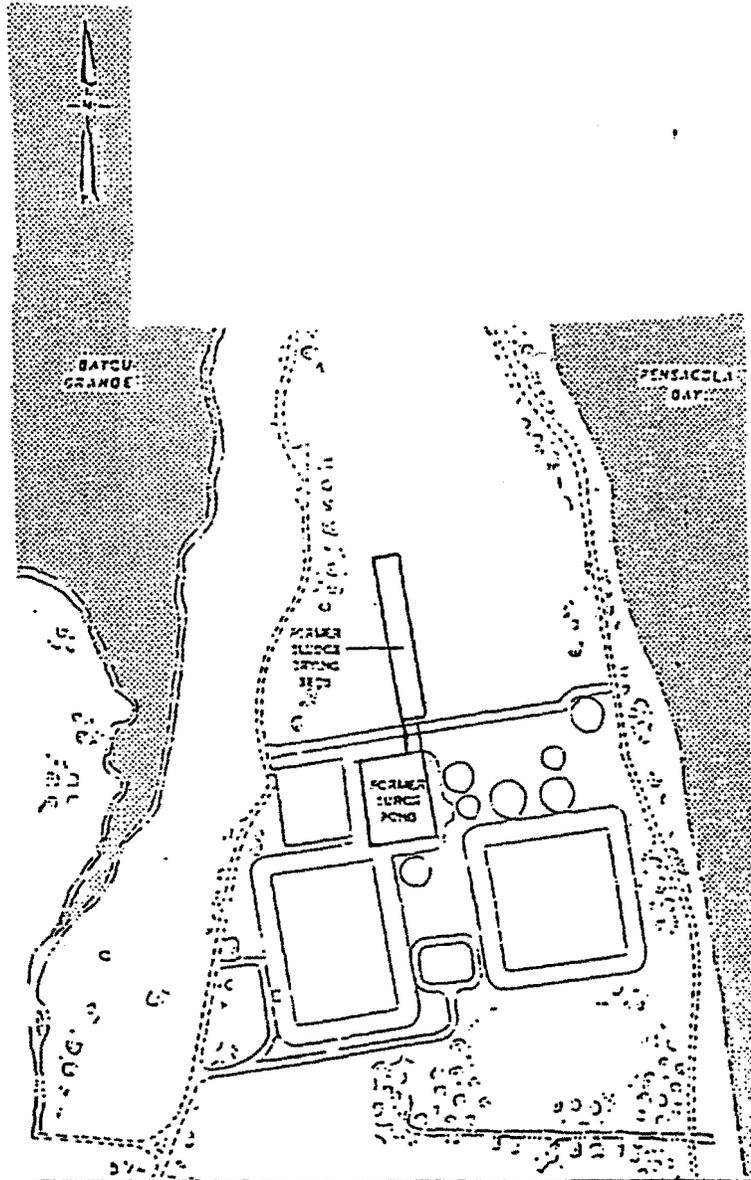
Debra Cutley 9/20/91
CLERK DATE

This is to certify that this Notice of Permit was mailed before the close of
business on September 20, 1991

PERMITTEE
Naval Public Works Cntr. - Pensacola
Naval Air Station
Pensacola, Florida 325-6 500

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ATTACHMENT A
WASTE MANAGEMENT AREA



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PERMITTEE

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ATTACHMENT B
GROUNDWATER MONITORING WELLS

