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STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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NAS PENSACOLA
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BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY
ROBERT V. KRIEDEL
DISTRICT MANAGER

NORTHWEST DISTRICT
160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501-5794



PERMITTEE :

Navy Public Works Center

I.D. Number: 1017F00625 (FL9170024567)
Permit/Certification Number: HF17-134657
Date of Issue: JAN 6 1988
Expiration Date: ~~May 1, 1988~~ Dec 31, 88
County: Escambia
Latitude/Longitude: 30°21'050"/87°15'052"
Section/Township/Range :
Project: Close Surface Impoundments and
Sludge Drying Beds

This permit is-issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-30. The above named applicant, hereinafter called 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 sludge drying beds and two hazardous waste storage surface impoundments , the stabilization and polishing ponds which contain 5.5 million gallons each of industrial waste water and an undetermined amount of F006 sludge, hereinafter called the facility.

The following facility submittals were used in the preparation of this document and are considered part hereof:

The application for an Operation Permit dated November 7, 1986 and the additional information that has been submitted to date.

The closure permit application dated May 20, 1987 and the additional information dated July 9, 1987 and subsequent submittals related to the closure of the three units.

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 493.161, 403.727, or 403.853 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 .

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8 **GENERAL 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)**, 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:

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GENERAL CONDITIONS:

- a. Having access to and copying any records that must be kept under the conditions of this 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.

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 noncompliance; 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 revocations 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 prescribed by Sections 403.73 and 403.111, Florida Statutes.

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 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

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GENERAL CONDITIONS:

12. This permit is required **to** be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans 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.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurement;
 - the person responsible for performing the sampling or measurement;
 - the data(s) analyses were performed;
 - the analytical techniques or methods used; and
 - the results of such analyses.

14. 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 submitted or corrected promptly.

15. 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

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after receiving 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 **17-30**.
- 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 provided within **24** hours shall contain the name, address, I.D. number and telephone number of the facility 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.

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SPECIFIC CONDITIONS:

16. The facility must be closed in a manner that minimizes or eliminates, to the extent necessary to protect human health and the environment, post-closure escape of hazardous wastes, hazardous constituents, or hazardous waste decomposition products to the ground or surface water or to the atmosphere (**40 CFR 265.111**). Additionally, the closure procedures must include decontamination and adequate protection of people working at this site.
17. The permittee shall close the facility in accordance with the application and permit conditions, as required by **40 CFR Part 265.228** and **265.310**. The permit conditions herein shall take precedence over the application in any areas where there are differences.
18. The permittee shall commence closure within 30 days of the effective date of this permit. Any changes in the time allowed for closure of the facility must be with prior Department approval upon adequate justification. (**40 CFR Part 265.113**).
19. The dewatering operations and removal of contaminated materials from the facility shall be conducted in such a manner that migration and spreading of contaminants will be eliminated or minimized.
20. The permittee shall manage the liquid, sludges, and contaminated soils removed during the closure as hazardous waste in accordance with 40 CFR Parts **262** and **265** including the manifest requirements.
21. The permittee shall begin closure in accordance with the submitted closure plan and the following:
 - a. The sludge drying beds shall be closed by removal of all structures, filter media, collection system, drain pipe and sub soil to 6 inches below the collection system and disposed of at a permitted disposal facility as hazardous waste.
 - b. The 5.5 million gallons of liquid shall be pumped from each impoundment and processed through the active portion of the Waste Water Treatment Plant (WWTP).
 - c. The sludges remaining in the impoundments shall be dewatered in situ to the maximum extent possible and then pumped into the solids processing unit in the WWTP or disposed of by other methods approved by the Department.
 - d. The processed sludge will be disposed of at a permitted disposal facility.

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SPECIFIC CONDITIONS:

- e. Sediments remaining in the impoundments after the action stated in 21 b. and c. above will be washed and rinsed from the sides and bottom with high pressure water to a point where the rinse waters can be pumped back into the treatment process.
- f. Sediments remaining in the impoundments after completion of 21 e. shall be collected into piles and loaded onto trucks for disposal at a permitted, hazardous waste management facility.

22. After completion of Condition 21, the permittee shall sample and analyze the clay liner and/or sub-soil (to the water table) in all three units for pollutants known or suspected to have been in the waste stream. Sampling and analysis shall be performed in accordance with Condition 26 for the chemicals listed below on two composite samples from each of the three units:

2,4 Dimethylphenol	1,1 Dichloroethane
Phenol	Vinyl Chloride
1,2 Dichlorobenzene	1,1 Dichloroethylene
1,3 Dichlorobenzene	Tetrachloroethane
1,4 Dichlorobenzene	1,1,1 Trichloroethane
Naphthalene	Trichloroethylene
Chlorobenzene	Methylene Chloride
Chloroform	Chromium (EP TOX)
Toluene	Nickel (EP TOX)
Cyanide	pH
Cadmium (EP TOX)	

23. The results of the analysis in Condition 22 above shall be submitted to the Department for review and permittee must obtain prior Department approval to continue to implement the closure plan.

24. The permittee shall close the impoundments in accordance with 40 CFR 265.228(c). This will involve capping the impoundments and groundwater monitoring at the site. Capping of the two impoundments will be accomplished by one of the following methods:

- a. The impoundments shall be capped with low permeability material such that infiltration of precipitation is minimized. A clay cap of not less than three feet thickness and a permeability of 1×10^{-7} cm/sec or other material which meets this criteria (i.e.: asphalt) shall be used. Plans showing drainage design which minimizes erosion and abrasion of the cover and berms, an evaluation of settling and subsidence which may occur and the hydraulic conductivity of the fill and cover material shall be maintained at the facility. The permittee shall maintain the integrity and effectiveness of the cap, prevent run-on and run-off from eroding or otherwise damaging the cap and foundation, or

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- b. A double **liner** with interlayer leak detection monitoring may be installed in each impoundment. Prior to implementing this option, the permittee shall submit construction plans and the necessary liner details to the Department for evaluation and approval.

25. The permittee shall conduct groundwater monitoring in accordance with the following:

a. The Waste Management Area shall, for the purpose of this permit, be the area bounded by the **two** impoundments and the sludge drying beds as **shown on** the attached sketch. The Point of Compliance (POC) shall be the imaginary vertical surface at the boundary of the Waste Management Area.

b. The following wells, as shown on Figure **E-14** in the Operation Permit Application, shall constitute the POC wells to which the Groundwater Protection Standard, specified in Operation Permit, H017-127016, shall **apply:**

(1) Shallow Wells: GM 8, GM 9, GM 10, GM 11, GM 13, GM 14

(2) The background monitoring well shall be UG-1.

(3) The permittee shall propose within 60 days of permit issuance a location for a monitoring well to replace GM 12.

c. The point of compliance wells specified in Specific Condition 25b above and the background well shall be sampled in May, August, November and February each year. Each well will be sampled for pH, specific conductance, cyanide, cadmium, chromium, nickel, and for volatile organic compounds (EPA method 624) and base neutral extractables (EPA method 625).

d. Water level elevations must be determined each time a well is sampled. **[40 CFR 264.97(f)]**. In addition, total depth of all wells must be determined by physical measurement on at least an annual basis to determine whether siltation of any well is a problem, and to recalculate the casing volume to be purged prior to sampling. If infilling or siltation interferes with sampling in any well, this fact shall be reported to the Department within 15 days of discovery.

e. Sampling and analytical methods shall conform to those specified in EPA Manual 600/2-80-018, "Samplers and Sampling Procedures for Hazardous Waste Straans"; EPA Manual 600/S4-84-076, "Characterization of Hazardous Waste Sites: A Methods Manual-Volume II"; EPA Manual SW 846, "Test Methods for Evaluating Solid Wastes" (latest edition); EPA Manual 600/4-82-057, "EPA Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater" or Department approved equivalent analytical methods .

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26. Sampling and analysis of the liner and sub-soil shall be completed in accordance with U.S. EPA Manual SW-846, "Test Methods for Evaluating Solid Waste" (latest edition). Analytical results obtained from soil sampling shall be submitted to the Department within 7 days of their receipt from the laboratory.

27. All analyses and reports on the monitoring of water quality required by this permit shall be submitted to the Northwest District Office, Department of Environmental Regulation, 160 Governmental Center, Pensacola, Florida 32501-5794. Laboratory analyses must be submitted within 30 days of the end of the sampling period; however, if for any reason the permittee is unable to submit analyses within that time, he shall submit a letter stating the cause of the delay. The Department will review any such reason for delay and may grant an extension of time for submission of the data. The attached form 17-1.216(2) shall be reproduced by the permittee and used for future submittals. A separate report is required for each monitoring well.

28. When the closure is completed, the permittee shall submit to the Department, by certified mail or hand delivery, a letter signed by the permittee and an independent registered Professional Engineer stating that the facility has been closed in compliance with the permit and specifications in the application (40 CFR 265.115).

29. The permittee shall comply with 40 CFR 265.120 (notice in deed of property). The wording of the notice shall be submitted within 30 days of such notification to the Department for review and approval. The notice shall be placed in the deed along with any wording changes or modifications made by the Department within 30 days of the Department's approval.

30. The permittee shall submit to the Department a survey plot indicating the locations and dimensions of the impoundments with respect to permanently surveyed bench marks. The plot shall be prepared and certified by a professional land surveyor. 40 CFR 265.116.

31. The permittee shall submit an application for the renewal of the permit which incorporates provisions for post closure care no later than March 1, 1988. 40 CFR 265.117/ *Oct 31*

32. The permittee shall notify the Department at least three days in advance of major closure activities to allow Department personnel to inspect the activity.

33. The permanent Department identification number (GMS No.) for this permit is 1017F00625. The EPA number is FL9170024567. Please cite these numbers on all reports and correspondence concerning this facility.

PERMITTEE:

U.S. Navy Public Works

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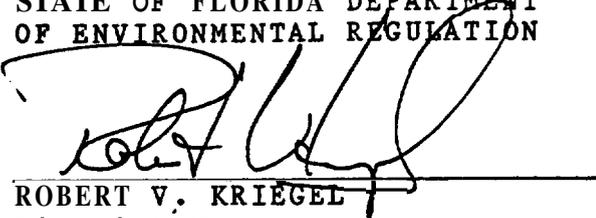
Expiration Date: May 1, 1988

Expiration date:

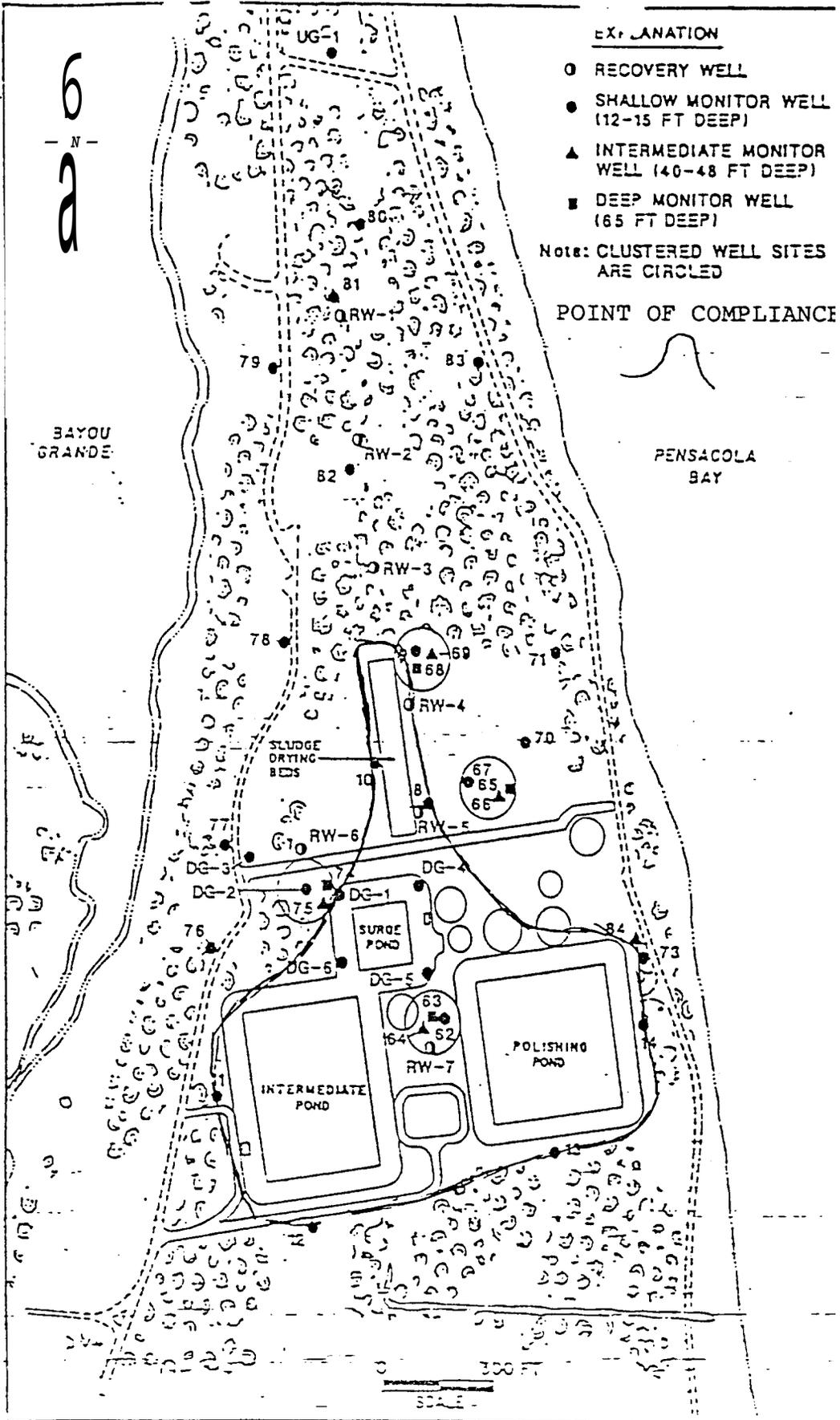
Issued this 6th day of January,
1988

May 1, 1988

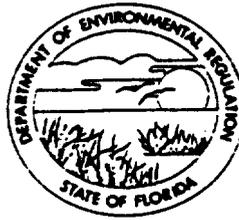
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



ROBERT V. KRIEGEL
District Manager



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



ORTHWEST DISTRICT
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QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # _____

DATE _____

DER PERMIT # _____

Installation Name _____

Address _____ City _____ State _____ Zip _____ County _____

Owner or Authorized Representative's Name _____ Title _____

Method of Discharge _____

Type of Industry _____

Report for Period _____ to _____
date date

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Owner or Authorized Representative's Signature _____

_____ Date

