



State of Georgia
Department of Natural Resources
ENVIRONMENTAL PROTECTION DIVISION



AMENDMENT TO
HAZARDOUS WASTE FACILITY PERMIT

Amendment To **Delta Airlines, Inc.** Effective Date
Permit No. **HW-036(S&D)-2** Of Amendment **02/06/04**

In accordance with the provisions of the Georgia Hazardous Waste Management Act and the Rules, Chapter 391-3-11, (as amended through **12/30/02**), adopted pursuant to that Act, Permit No. **HW-036(S&D)-2** issued on **09/08/84** to:
Delta Airlines, Inc.
Atlanta, Georgia

for the following:

Storage and Treatment of hazardous waste

Is hereby amended as follows:

- revised the liability coverage language in the permit (page 8, paragraph 4)**
- revised the facility's groundwater monitoring system (page 11, paragraph B.1(a)(i) and page 21, paragraphs B.1(a) and B.1(b))**

Reason for Amendment:

- to add correct language for liability coverage in the permit.**
- to delete groundwater monitoring wells that are scheduled to be abandoned at the site.**

This Permit Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **27** page(s), which page(s) are a part of this Amendment. This Amendment is hereby made a part of Permit No. **HW-036(S&D)-2** and compliance with this Amendment is hereby ordered.

Director
Environmental Protection Division

SECTION I. GENERAL PERMIT CONDITIONS

A. Scope and Effect of Permit

1. The Permittee is allowed to store hazardous waste only in accordance with the conditions of this permit. Any hazardous waste treatment, storage or disposal not authorized in this permit is prohibited. The Permittee must comply with the Georgia Hazardous Waste Management Act and the Rules for Hazardous Waste Management, Chapter 391-3-11, which Rules include certain portions of the Federal Hazardous Waste Regulations (found at 40 CFR 260-264, 270, and 124). Where a citation to the Federal Regulations is made in this permit, it refers to the specific regulations adopted by EPD.
2. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.
3. Compliance with this permit does not constitute a defense to any action brought by the Director under Section 18, Emergency Powers, of the Georgia Hazardous Waste Management Act, O.C.G.A. §12-8-75, as amended.
4. Nothing in this permit shall be construed to preclude the institution of any legal action under the Georgia Hazardous Waste Management Act, O.C.G.A. §§12-8-81 – 12-8-82, as amended.
5. This permit may be modified, revoked and reissued, or terminated for cause as specified in Rule 391-3-11-.11(7) and 40 CFR §§270.41, 270.42, 270.43, 270.50(d) and 270.51(a). The filing of a request for a permit modification, variation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability of any permit condition.
6. The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

B. Management Requirements

1. The Permittee shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility or of any planned changes process generating the hazardous waste or which changes might affect the performance of the permitted facility.
2. The Permittee shall maintain at the facility until the expiration or termination of this permit, the following documents and amendments, revisions, and modifications to these documents:

- a) Complete copy of this permit and permit application, including all amendments,
 - b) Inspection Schedule Log,
 - c) Waste Analysis Plan,
 - d) Operating Log,
 - e) Personnel training documents and records,
 - f) Contingency Plan,
 - g) Closure and Post-closure Plans,
 - h) Cost estimate for facility closure and post-closure, and closure and post-closure assurance instruments,
 - i) Proof of financial responsibility for bodily injury and property damage to third parties caused by sudden accidental occurrences,
 - j) Corrective Action Plan
 - k) Groundwater Sampling Plan
3. All amendments, revisions and modifications to any plan or cost estimates required by this permit shall be submitted to the Director for approval and permit modification as necessary.
 4. When the Permittee becomes aware that the Permittee failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit corrected facts or information.
 5. The Permittee shall at all times properly operate and maintain all facilities which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of a back-up or auxiliary facility or similar systems only when necessary to achieve compliance with the conditions of this permit.
 6. The Permittee may not commence treatment, storage or disposal of hazardous waste on any new or modified portion of the facility or perform corrective action until the Permittee has submitted to the Director by certified mail or hand delivery an application for a permit modification. No changes to the current permit may be implemented until the Director has modified the permit and an executed copy of the modified permit has been received by the Permittee.

C. Monitoring and Reporting

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of 40 CFR Part 261. Laboratory methods must be those specified in the most recent editions of Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846; or Standard Methods for the

Examination of Water and Wastewater. Sampling and analyses of groundwater samples shall be conducted in accordance with methods and procedures acceptable to the Director.

2. The Permittee shall retain all 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 and records required by this permit and records of all data used to complete the applications for this permit including the certification required by 40 CFR §264.73(b)(9) for a period of at least five years from the date of the sample, measurement, report or record. These periods are automatically extended during the course of any unresolved enforcement action regarding this facility and also may be extended at any time at the Director's discretion.
3. Records of monitoring information shall include:
 - a) The date, exact place and time of sampling or measurements
 - b) The individual(s) who performed the sampling
 - c) The date(s) analyses were performed
 - d) The individual(s) who performed the analyses
 - e) The analytical techniques or methods used, the method of sample preservation, and quality assurance methods
 - f) The results of such analyses
4. The Permittee shall report to the Director or his representative orally within one (1) hour from the time the Permittee becomes aware of any circumstances resulting from the operation of the hazardous waste management facility (including periods of noncompliance) which may endanger human health or the environment, including but not limited to:
 - a) Release of any hazardous waste, hazardous waste constituent, or hazardous constituent that may cause an endangerment to public drinking water supplies.
 - b) Release or discharge of hazardous waste, hazardous waste constituent, hazardous constituent, or a fire or explosion which could threaten human health or the environment outside the facility.
 - c) The description of the occurrence shall include:
 - i. Name, address and telephone number of the owner or operator.
 - ii. Name, address and telephone number of facility.
 - iii. Date, time and type of incident.
 - iv. Name and quantity of materials involved.
 - v. The extent of injuries, if any.
 - vi. An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable.

- vii. Estimated quantity and disposition of recovered material that resulted from the incident.
5. Within fifteen (15) days of becoming aware of any reportable incident as in Section I.C.4 above which may endanger human health or the environment, the Permittee shall submit a written report of the incident to the Director including the following:
 - a) Description of occurrence as in Section I.C.4(c) above.
 - b) Cause of occurrence.
 - c) Period of occurrence, including exact dates and times.
 - d) Time occurrence expected to continue (if not already corrected).
 - e) Steps taken or planned to reduce, eliminate, and prevent recurrence.
 6. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted to the Director no later than 14 days following each schedule date.
 7. The Permittee shall report to the Director instances of noncompliance, other than those described in Section I.C.4 and I.C.6 semiannually on July 15 (covering January 1 – June 30) and January 15 (covering July 1 – December 31). The report shall include information as required under Section I.C.4(c) for each incident.
 8. All reports of other information requested by the Director shall be signed and certified according to the requirements in 40 CFR §270.11.

D. Responsibilities

1. Right of Entry. The Permittee shall allow the Director of EPD, the Regional Administrator of EPA, and/or their authorized representatives, agents, or employees, upon the presentation of credentials and other documents as may be required by law to:
 - a) Enter at reasonable times upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.
 - b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
 - c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.
 - d) Sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Georgia Hazardous Waste Management Act, any substances or parameters at any location.

2. Transfer of Permit. This permit may be transferred to a new owner or operator only if it is modified or revoked and reissued pursuant to 40 CFR §§270.40 and 270.41(b)(2). Before transferring ownership or operation of the facility during its operating life or during its post-closure care period, the Permittee shall notify the new owner or operator in writing of the applicable requirements of 40 CFR Parts 264 and 270.
3. Duty to Comply. The Permittee shall comply with all conditions of this permit, except to the extent and for the duration such noncompliance is authorized by an emergency permit. Any noncompliance with this permit constitutes a violation of the Georgia Hazardous Waste Management Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application.
4. Duty to Re-apply. If the Permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the Permittee must submit a complete application for a new permit at least 180 days before this permit expires.
5. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense, for a Permittee in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
6. Duty of Mitigate. The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment or human health resulting from noncompliance with this permit.
7. Duty to Provide Information. The Permittee shall furnish to the Director, within a reasonable time, any relevant information which the Director may request, to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or, to determine compliance with the permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.
8. Anticipated Non-compliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

E. Definitions

For purposes of this permit, terms used herein shall have the same meaning as those in 40 CFR Parts 124, 260-268, 270, and 279, unless this permit specifically provides otherwise. Where terms are not defined in the regulations or the permit, the meaning associated with such terms shall be defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term.

1. Hazardous Constituents for the purpose of this permit are those substances listed in 40 CFR Part 261 Appendix VIII and Part 264 Appendix IX “Groundwater Monitoring List.”
2. Solid Waste Management Unit for the purposes of this permit includes, but is not limited to, any landfill, surface impoundment, waste pile, land treatment unit, incinerator, injection well, tank (including storage, treatment, and accumulation tanks), container storage unit, wastewater treatment unit, including all conveyances and appurtenances used in waste management or stormwater handling, elementary neutralization unit, transfer station, or recycling unit from which hazardous waste, hazardous waste constituents, or hazardous constituents might migrate, irrespective of whether the units were intended for the management of solid and/or hazardous waste.
3. Release for the purposes of this permit includes any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment of any hazardous waste, hazardous waste constituents, or hazardous constituents.
4. Contamination for the purposes of this permit refers to the presence of any hazardous waste, hazardous waste constituents, or hazardous constituents in a concentration which exceeds the naturally occurring concentration of that waste or constituents in the immediate vicinity of the facility (in areas not affected by the facility), unless an alternate ground water protection standard has been established.
5. Corrective Action for prior or continuing releases from solid waste management units, as well as for other releases as described in Section I.E.3. above, for the purposes of this permit shall be as specified in 40 CFR §264.101 and may include “corrective action” as provided for in 40 CFR §264.100, and other remedial actions for any environmental media as deemed appropriate by the Director to protect human health or the environment.
6. Land Disposal Facility: A facility that uses a surface impoundment, landfill, land treatment or waste pile to manage or dispose of hazardous waste pursuant to §12-8-66 of the Georgia Hazardous Waste Management Act, as amended, and §3004 of RCRA, as amended.
7. Risk-Based Remediation Levels for purposes of this permit are those soil and groundwater standards approved by the Director, which are based upon risk to human health and the environment.

F. Conditions Related to Compliance with General Facility Standards
(40 CFR Part 264 A, B, C, D, E, F, G, H, I, J, L, S, & X)

1. The Permittee must follow the procedures and plans described in detail in the permit application dated December 22, 1993 and in the Permit Modification Application dated December 14, 1998, as amended, which are hereby incorporated by reference and include at least the following:

- | | |
|----------------------------------|-----------|
| a) Waste Analysis Plan | Section C |
| b) Contingency Plan | Section G |
| c) Inspection Schedule | Section F |
| d) Closure and Post Closure Plan | Section I |
| e) Training Program | Section H |
| f) Process Information | Section D |

2. The following activities must be carried out as prescribed in 40 CFR Part 264, Subparts B, C, D, and E, and in accordance with the appropriate Sections of the permit application.

- a) Security - §264.14(b) and (c)
- b) Repairs and inspection log - §264.15(c) and (d)
- c) Operating record - §264.73 and disposition of records - §264.74
- d) Reports - §264.75 and §264.77
- e) Annual review of training - §264.16
- f) General requirements for ignitable, reactive and incompatible wastes - §264.17
- g) Design and operation - §264.31
- h) Access to communications or alarm system - §264.34
- i) Testing and maintenance of equipment - §264.33
- j) Arrangements with local authorities - §264.37
- k) Amendment of contingency plan - §264.54
- l) Maintain aisle space - §264.35
- m) Required Notices - §264.12(a) and (b)
- n) Manifest System - §264.70 through 264.72

3. The following activities must be carried out as prescribed in 40 CFR Part 264, Subpart G and H, and Section I of the permit application.

- a) Closure in accordance with approved Plan, contingent upon submittal, at the time of notification of closure, of statistical analyses for the number of samples and their locations that will be taken to verify clean closure - §264.113
- b) Amendment of Closure Plan and Notification of Closure - §264.112 (b) and (c)
- c) Post closure care & use of property - §264.117
- d) Amendment of Post Closure Plan - §264.118
- e) Notice to local land authorities and in deed to property - §264.119 and §264.120
- f) Disposal or decontamination of equipment - §264.114
- g) Certificate of Closure - §264.115
- h) Revision of cost estimate - §264.142
- i) Financial Assurance for Closure, Post-Closure, and Corrective Action. Continuous compliance with §264.143 and §264.145 must be maintained by the Permittee for the amount of the cost estimate for closure, post-closure, and corrective action as revised by §264.144 until release by the Director as provided in §264.145(i).

4. The Permittee must maintain sudden liability coverage of \$1 million for each occurrence and \$2 million annual aggregate until certifications of closure as specified in §264.115 are received by the Director. Liability coverage must be in effect before the Permittee is authorized to manage hazardous waste under this permit. The Permittee must carry out the activities as specified in §264.147.
5. The Permittee must comply with §264.148 whenever necessary.

G. Special Conditions Applicable to Entire Facility

1. Waste Minimization. The Permittee shall be required to certify no less often than annually that the Permittee has a program in place to reduce the volume and toxicity of hazardous waste that he generates to the degree determined by the Permittee to be economically practicable, and the proposed method of treatment, storage or disposal is that practicable method currently available to the Permittee which minimizes the present and future threat to human health and the environment in accordance with 40 CFR §264.73(b)(9).
2. Land Disposal Restrictions. 40 CFR Part 268 identifies hazardous wastes that are restricted from land disposal and defines those limited circumstances under which an otherwise prohibited waste may continue to be placed on or in a land treatment, storage, or disposal unit. The Permittee shall maintain compliance with the requirements of 40 CFR Part 268. Where the Permittee has applied for an extension, waiver, or variance under this Part, the Permittee shall comply with all restrictions on land disposal under this Part once the effective date for the waste has been reached pending final approval of such application.
3. Permitted Waste Identification. The hazardous waste to be stored pursuant to this permit are limited to those listed in the permit application dated December 22, 1993, and the Permit Modification Application dated December 14, 1998, and its amendments.

H. Standards for the Management of Used Oil

1. Definitions. Terms used in this section shall be defined in 40 CFR Part 279.
2. Applicability. The conditions in this section apply to all used oil generation points at the Permittee's facility. The entire facility is also subject to the applicable Spill Prevention, Control and Countermeasures requirements (40 CFR Part 112) and, for those storage sites utilizing underground tanks, the Underground Storage Tank requirements (40 CFR Part 280), whether or not the used oil exhibits any characteristic of hazardous waste. Determination of jurisdiction for underground storage tanks at the Permittee's facility shall be performed by the Director on a unit-by-unit basis.
3. General. The Permittee shall be subject to the requirements of 40 CFR Part 279 for the generation and management of used oil generated by, received at, or shipped from the

Facility. Unless otherwise stated in Sections I.H.4. and 5. below, used oil activities at the Facility shall comply with the requirements of 40 CFR 279 Subpart C.

4. Storage of Used Oil. The Permittee shall store used oil only in tanks or containers. Storage containers and tanks shall be maintained and labeled, and releases responded to, as in 40 CFR 279 Subpart F. Full containers (55 gallons or more) of used oil generated at the facility shall be transferred to Drum Process Building or the Drum Storage Building within 72 hours of generation.
5. Transportation and Transfer Storage of Used Oil. The Permittee shall comply with 40 CFR 279 Subpart F for shipments of used oil originating from the facility, and for shipments arriving at the facility from offsite. Shipments of used oil originating from offsite shall be transferred to the Drum Process Building or the Drum Storage Building immediately upon receipt at the facility. Receipts of used oil from offsite are limited to those originating at facilities owned or operated by the Permittee, or with a contractual maintenance agreement with the Permittee.

SECTION II. STORAGE IN CONTAINERS

A. General: The conditions in this section apply to the following storage areas:

1. Drum Storage Building, as depicted in Section D and Figure D-1 of the Permit Modification Application, dated December 14, 1998, as amended.
2. Drum Process building as depicted in Section D and Figure D-4 of the Permit Modification Application, dated December 14, 1998, as amended.

B. Conditions Related Solely to Storage in Containers

1. The Permittee is authorized to store a maximum of 53,460 gallons (972 55-gallon drums) of hazardous waste in the Drum Storage Building as identified in Section D-1a(3) of the Permit Modification Application, dated December 14, 1998, as amended.
2. The Permittee is authorized to store a maximum of 23,760 gallons (432 55-gallon drums) of hazardous waste in the Drum Process Building as identified in Section D-1a(3) of the Permit Modification Application, dated December 14, 1998, as amended.
3. For the purposes of this section, the term “containers” shall include all drums, tote boxes, tote tanks, rolloffs, tanker trailers, or other portable devices used to hold or store waste.
4. If a container holding hazardous waste is not in good condition, or if it begins to leak, the Permittee shall transfer the hazardous waste from such container to a container that is in good condition.

5. Containers must be managed according to §264.173.
6. Spilled or leaked waste and accumulated precipitation must be managed in accordance with §264.175(b)(5).
7. Incompatible wastes and materials must be managed according to §264.177.

SECTION III. CLOSED VARSOL REGULATED UNIT

A. General: Conditions in this section apply to the Closed Varsol Regulated Unit.

1. The Permittee shall maintain the hazardous waste Varsol Regulated Unit that is closed as a landfill and identified as Figure L-3 in the Permit Modification Application dated December 14, 1998, as amended. The Permittee shall perform post-closure care for the closed Varsol Regulated Unit. The closed Varsol Regulated Unit is located on the northwest side of the Technical Operation Center (TOC-1).
2. The Permittee shall follow the inspection schedule for the closed Varsol Regulated Unit in accordance with the post-closure inspection plan in Section I-2 of the Permit Modification Application dated December 14, 1998, as amended.
3. The Permittee shall perform all other post-closure care of the closed Varsol Regulated Unit in accordance with the post-closure plan in Section I-1 and I-2 of the Permit Modification Application dated December 14, 1998, as amended.
4. The Permittee shall submit a certification of closure in accordance with 40 CFR 264.115 to the Director within sixty (60) days of the issuance date of this permit. The certification of closure must be signed by the Permittee and an Independent Professional Georgia Registered Engineer as required by §264.115.
5. The Permittee shall maintain the structural integrity of the cap for the closed Varsol Regulated Unit in accordance with Section I-1f(3)(e) of the Permit Modification Application dated December 14, 1998, as amended.
6. The Permittee shall notify the local zoning authority or the authority with jurisdiction over local land use and the Director of the type, location and approximate quantity of the waste disposed of in the closed Varsol Regulated Unit in accordance with 40 CFR 264.119. The Permittee must also file a survey plat with the local zoning authority depicting the location of the closed Varsol Regulated Unit. The Permittee shall complete this requirement and submit proof to the Director that the requirement has been met within sixty (60) days of the Certification of Closure. The Certification of Closure shall be submitted to the Director within sixty (60) days of the issuance date of this permit.

7. The Permittee shall submit a document to be recorded in the Clayton County Deed Records and/or the Fulton County Deed Records as appropriate, which will provide notice that the land has been used to manage hazardous waste, that its use is restricted, and a survey plat of the closed Varsol Regulated Unit. The Permittee shall complete this requirement and submit proof to the Director that the requirement has been met within sixty (60) days of the Certification of Closure.
8. The Permittee shall submit a Post-Closure Certification to the Director within sixty (60) days of completion of the post-closure activities in accordance with 40 CFR 264.120.

B. Groundwater Monitoring and Corrective Action for the Closed Varsol Regulated Unit

1. Well Location and Construction. The Permittee shall install and/or maintain a groundwater monitoring system to comply with the requirements of 40 CFR §264 Subpart F including §264.95, 264.97 and 264.100 as specified below:
 - a) The Permittee shall maintain, well marked and in good working order, the following groundwater monitoring wells and any additional wells that may be required by Condition III.B.1(b) of this Permit. The Permittee shall also monitor groundwater quality in the following wells on a quarterly basis (separate phase product may currently or periodically be present at some of these locations – when separate phase product is present, groundwater quality sampling will not be conducted). The Permittee shall sample the wells for the constituents listed in the Ground Water Protection Standard Table Section VI.D.1(a) of this Permit:
 - i. Point of Compliance Wells – 4, MW-4, MW-L1, MW-L4, MW-L7R, MW-L11, MW-L17.
 - ii. Background Well – MW-UG
 - b) Requirements for installing additional wells as necessary or as specified by the Director to ensure that, at all times, the current groundwater monitoring system in (a) above is adequate to assess changes in the rate and extent of any plume of contamination, associated with releases from the closed Varsol Regulated Unit, or to access the effectiveness of corrective action or comply with 40 CFR §§264.95, 264.97, 264.99 and 264.100, will be as described in Section VI.B.4.
2. Groundwater Monitoring Program. The Permittee shall establish and implement a groundwater monitoring program to demonstrate the effectiveness of the corrective action program required for the closed Varsol Regulated Unit under §264.100. Groundwater monitoring shall be conducted in accordance with the requirements of §264.100(d) and as specified below:

- a) The Permittee shall collect, preserve and analyze all groundwater samples in accordance with procedures stated in Condition III.B.5.
- b) The Permittee shall determine background concentrations in upgradient well MW-UG for all parameters specified in Section VI.D.1(a) at least annually or as otherwise required.
- c) One well, at a minimum, listed in Section III.B.1(a)(i) of this permit must be sampled for all constituents listed in Appendix IX of 40 CFR Part 264 at least annually. The analytical results must be submitted to the Director within 10 days of the Permittee receiving the results. This well must be approved by EPD. If the Permittee finds Appendix IX constituents in the groundwater, above background levels, 40 CFR Part 264.94 Table 1 concentrations, or the MCL established by the Safe Drinking Water Act and the rules promulgated hereunder that are not identified in the Groundwater Protection Standard Table in Section VI.D.1(a), then the Permittee may resample within one month and repeat the Appendix IX analysis. If the second analysis confirms the presence of new constituents, the Permittee must report the concentration of these additional constituents to the Director within seven (7) days after the completion of the second analysis and these additional constituents shall automatically be incorporated into in Section VI.D.1(a). If the Permittee chooses not to resample, then the Permittee must report the concentrations of these additional constituents to the Director within seven days after completion of the initial analysis and these additional constituents shall automatically be incorporated into the Groundwater Protection Standard in Section VI.D.1(a).
- d) The Permittee shall maintain compliance with all corrective action conditions in the permit application or corrective action documents in accordance with the schedule in the approved document.
- e) The Permittee shall determine the groundwater surface elevation each time groundwater is sampled pursuant to §264.97(f).
- f) The Permittee shall determine the groundwater flow rate and direction in the Uppermost Aquifer at least annually.

3. Groundwater Protection Standard

- a) The groundwater protection standard as required under §264.97 shall consist of the constituents listed in Section VI.D.1 of this Permit.
- b) The groundwater protection standard applies to all hazardous waste, hazardous waste constituents, or hazardous constituents releases as deemed appropriate by the Director to protect public health and the environment.

- c) Compliance with the groundwater protection standard will be defined as groundwater monitoring data, obtained under Condition III.B.2, that indicate all constituents listed in Section VI.D.1(a) no longer exceed the groundwater protection standard anywhere within an identified plume of contamination as defined by 264.100(e) (1 and 2).
- d) Compliance with the groundwater protection standard shall be determined using the statistical procedure in accordance with 40 CFR 264.97(h) and (i).

4. Corrective Action Program for the Closed Varsol Regulated Unit

- a) The Permittee shall conduct the corrective action program set forth in the Permit Modification Application dated December 14, 1998, as amended, the approved Corrective Action Plan, as well as any subsequent modifications pursuant to Conditions III.B.7(a) and III.B.7(b). The operation and documentation of the effectiveness of the corrective action program will be as specified in Section VI of this permit.
- b) The Permittee shall treat, store, and dispose of all contaminated groundwater in accordance with all applicable federal, state, and local laws.
- c) The Permittee shall conduct a corrective action program to remove or treat in place any hazardous constituents that exceed concentration limits in Section VI.D.1 in groundwater between the point of compliance and the downgradient facility boundary as required under §264.100(e)(2), unless the Permittee can demonstrate to the satisfaction of the Director that:
 - i. Despite the Permittee's best efforts, the Permittee was unable to obtain the necessary permission to undertake such action, or
 - ii. Such action is not necessary to protect human health or the environment.

5. Sampling and Analysis Procedures

- a) The Permittee shall use the following techniques and procedures when obtaining samples and analyzing samples from the groundwater monitoring wells described in Section III.B.1 in order to provide a reliable indication of the quality of the groundwater as required under §§264.97(d) and (e):
- b) Samples shall be collected, preserved, and transported or shipped (when shipped off-site for analysis) in accordance with the procedures specified in the EPA Manual SW-846, the most recent version.
- c) Samples shall be tracked and controlled using the chain of custody procedures specified in the EPA Manual SW-846, the most recent version.

6. Reporting, Recordkeeping, and Response

- a) The Permittee shall enter all monitoring, testing, and analytical data obtained pursuant to Section III of this permit into the operating record, as required by §264.73(b)(6).
- b) The Permittee shall submit a report to the Director on the effectiveness of the corrective action program semi-annually as required by §264.100(g) to include all monitoring, testing and analytical data obtained under Sections III.A, III.B and VI.D.1(a). These reports are due by January 1 and July 1 of each year.
- c) Records of groundwater monitoring information shall include:
 - i. The date, exact place and time of sampling or measurement,
 - ii. The individual(s) who performed the sampling,
 - iii. The depth to the groundwater surface measured to the nearest 0.01 foot,
 - iv. The depth to the well bottom measured to the nearest 0.01 foot,
 - v. The amount of water purged from the well,
 - vi. The temperature, pH, turbidity, and specific conductance of the sampled groundwater at each well,
 - vii. Complete chain-of-custody forms,
 - viii. The date(s) analyses were performed,
 - ix. The individual(s) who performed the analyses,
 - x. The analytical techniques or methods used; the method of sample preservation; and the quality assurance methods,
 - xi. The results of such analyses.
- d) All reports and other documents containing geologic interpretation must be signed and affixed with the seal of a currently registered Professional Geologist. The Professional Geologist must take an active role in the preparation of such reports or other documents.

7. Permit Modification

- a. If the Director or the Permittee at any time determines that the corrective action program no longer satisfies the requirements of 40 CFR 264.100 or Section III.B. for releases of hazardous waste, hazardous waste constituents, or hazardous constituents that originate from the closed Varsol Regulated Unit, the Permittee must within ninety (90) days submit an application for a permit modification to make any appropriate changes in the program. Such application shall be made in accordance with §§270.41 and 270.42.

- b. If the Permittee meets the requirements of §264.100 and meets the groundwater protection standard at each of the wells that require sampling throughout the plume of contamination for three (3) consecutive years, the Permittee may submit an application for a permit modification pursuant to §§270.41 and 270.42 to terminate corrective action and establish an alternate groundwater monitoring program.

8. Duty of Permittee

- a) The Permittee shall assure that groundwater monitoring and corrective action measure necessary to achieve compliance with §264.100 and the groundwater protection standard are taken during the compliance period.

SECTION IV. STORAGE IN TANKS

A. General

1. Tank Storage Area. Storage is expressly limited to the existing tanks delineated in Figure D-6.

B. Conditions Related Solely to Storage in Tanks

1. The Permittee is authorized to store a maximum of 12,000 gallons of waste in three (3) underground storage tanks at the Tank Storage Area. The Tank Storage Area consists of a concrete covered vault holding three regulated storage tanks, as described in Section D-2a and depicted in Figure D-6 of the Permit Modification Application, dated December 14, 1998, as amended.
2. Wastes to be stored are limited to the list of waste streams listed in Section C of the application dated December 22, 1993 and Section C of the Permit Modification Application dated December 14, 1998, as amended, or subsequent approved modifications.

C. Design and Maintenance of Tanks

1. The Permittee shall maintain and operate all regulated tanks as required by 40 CFR Subpart J, as amended, and specified by the plans and specifications in Section D of the Permit Modification Application dated December 14, 1998, as amended.
2. The Permittee shall maintain secondary containment that meets the requirements of 40 CFR Subpart J, as amended, for all tanks and ancillary equipment in hazardous waste service.

SECTION V. CORRECTIVE ACTION FOR RELEASES FROM SOLID WASTE MANAGEMENT UNITS AND OTHER RELEASES

For the purposes of this permit, the need to conduct corrective action shall be determined for any releases into the environment of hazardous waste, hazardous waste constituents, or hazardous constituents, including releases beyond the Permittee's property boundary. Corrective action is required for any releases of hazardous waste, hazardous waste constituents, or hazardous constituents regardless of whether or not the releases were from a solid waste management unit.

A. RCRA Facility Assessment (RFA) Investigation Plan

1. The conditions of this Section apply to the solid waste management units listed below, as identified in the "Information Regarding Potential Releases from Solid Waste Management Unit" questionnaire dated September 26, 1986, and during the RCRA Facility Assessment (RFA) Investigation, and any additional solid waste management units (SWMUs) or areas of concern (AOCs) discovered during the course of future groundwater monitoring, ongoing filed investigations, environmental audits, or other means:

<u>Number</u>	<u>Description of SWMU</u>
1	Underground Storage Tanks A, B, C, D, E, F.
2a	Varsol Underground piping under the TOC-1 Building and adjacent Test Cell Building.
2b	Former 20,000 gallon Varsol Product Tank, Varsol Distillation Unit and Associated Underground Piping.
3	Wastewater treatment unit and appurtenances used in waste management
4	Fuel storage and defueling tanks adjacent to TOC-I, II, and III
5	Settling Pond
6	Old plating shop floor pits
7	Bay 5 extension fuel leak
8	East end fill area

The following SWMUs previously identified have been investigated and no further remedial action is proposed under 40 CFR 264 Subpart F:

<u>Number</u>	<u>Description of SWMU</u>
9	Ground Support Equipment Shop UST
10	Flight Kitchen UST

The following AOCs will be subject to notification pursuant to Section V.A.2.(b) below if during any investigation it is determined that hazardous constituents not attributable to petroleum fuels have been released:

- | <u>Number</u> | <u>Description of AOC</u> |
|---------------|---|
| 11 | All Remaining Underground Fuel Storage Tanks at the Delta Facility. |
2. The Permittee shall prepare a solid waste management unit assessment plan and proposed schedule for implementation and completion of the following:
- Each solid waste management unit noted in Section V.A.1. for which an assessment plan has not yet been prepared which is known or suspected to have releases of hazardous waste, hazardous waste constituents, or hazardous constituents into the environment.
 - Any additional solid waste management units discovered subsequent to issuance of this permit which are known or suspected to have releases of hazardous waste, hazardous waste constituents, or hazardous constituents into the environment.
 - The Permittee shall notify the EPD of the discovery of any SWMU pursuant to Section V.A.2.(b) by telephone as soon as practicable after discovery, and in writing within fifteen (15) days of the date of discovery. This notification shall contain a brief description of the location of the suspected SWMU and the date and circumstances of its discovery.
3. The plans of Section V.A.2. shall include methods and specific actions as necessary to determine whether a prior or continuing release of hazardous waste, hazardous constituents or hazardous waste constituents has occurred at each solid waste management unit. The plan must also include, at the minimum, the following information for each unit:
- Type of unit.
 - Location of each unit on a topographic map of appropriate scale.
 - General dimensions and capacities.
 - Function of unit.
 - Dates that the unit was operated.
 - Description of the wastes that were placed in the unit.
 - Description of any known releases or spills (to include groundwater data, soil analyses, and surface waste data).
4. The assessment plan shall be submitted within sixty (60) days of issuance of this permit for those solid waste management units covered under Section V.A.1. and V.A.2.(a), and shall be submitted within sixty (60) days of discovery for any solid waste management units under Section V.A.2.(b).

B. RCRA Facility Investigation (RFI)

1. The Permittee shall complete and submit an RFI Plan for those units or releases referenced in Section V.A.2. not later than ninety (90) days of EPD approval of the Solid Waste Management Unit Assessment Plan required in Section V.A.2. The plan shall include a schedule of implementation and a description of the specific actions necessary to determine the nature and extent of releases identified by the RFA report and solid waste management units investigation report, including potential migration pathways for those releases (i.e. air, land, surface water, and groundwater), actual or potential receptors and applicable background concentrations. The Permittee must provide sufficient justification that migration through a potential pathway is not likely if such pathway associated with a release is not included in the plan. Such deletions are subject to the approval of the Director.
2. Upon approval by the Director of plan(s) required by Section V.B.1., the Permittee shall conduct the RFI in accordance with the schedule contained in the approval plan.
3. The Permittee shall complete and submit an RFI report in accordance with the schedule contained in the plan required by Section V.B.1. The report shall provide a summary of all activities undertaken during the RFI to implement the approved plan. The report shall provide a complete description of the nature and extent of all releases identified during the RFI including sources, migration pathways, actual or potential receptors and applicable background concentrations. The RFI report shall address all releases which extend beyond the facility unless the Permittee demonstrates to the Director's satisfaction that, despite the Permittee's best efforts, the Permittee was unable to obtain permission to undertake actions required by the plan(s), or such action is not necessary to protect public health or the environment.

C. Corrective Action Plan: General

1. The Director shall review the RFI reports required by Section V.B.3., and upon determination that the report is complete notify the Permittee of the need for further investigative actions and/or the need for corrective action as required under §264.101(a).
2. Upon determination by the Director that corrective action is needed, the Permittee shall submit a corrective action plan in accordance with a schedule to be determined by the Director. The corrective action plan must include a description of the corrective measures to be taken with regard to those releases identified by the RFI Report required by Section V.B.1. and shall include, a schedule of implementation and completion, and a cost estimate for completion of corrective action.
3. Upon approval by the Director of any plan required by Section V.C.1., the Permittee shall implement any required corrective action in accordance with the schedule in the approved plan.

D. Interim Measures

1. The Permittee may conduct interim measures to contain, remove or treat contamination resulting from the release of hazardous waste, hazardous waste constituents, or hazardous constituents from a SWMU or release in order to protect human health and the environment, upon approval by the Director. Such interim measures may be conducted concurrently with investigations required under the terms of this permit.
2. The Permittee shall notify the Director of any proposed interim measures at least thirty (30) days prior to implementation. The notice shall include a description and a schedule of implementation of any proposed interim measures.
3. The Permittee shall give notice to the Director as soon as possible of any planned changes, reduction or additions to the interim measures.
4. Incorporation of interim measures into the corrective action plan shall be done in accordance with Section V.C.2.
5. Upon completion of interim measures, the Permittee shall complete and submit an interim measures report. The report shall provide the following information:
 - a) A description of interim measures implemented:
 - b) A summary of all data or other information obtained during implementation of interim measures; and
 - c) A summary of the effectiveness of the interim measures in achieving the objective of Section V.D.1.

E. Schedules of Compliance

1. If the Permittee at any time determines that any plan or report required under Section V.A., B., C., D., or E., no longer satisfies the requirements of §264.101 or this permit for prior or continuing releases of hazardous waste, hazardous constituents or hazardous waste constituents he must submit an amended plan or report to the Director within ninety (90) days of such determination.
2. All plans and schedules shall be subject to approval by the Director prior to implementation. The Permittee shall revise all submittals as specified by the Director.
3. If the time required to complete any interim activity is more than one year, the schedule shall specify interim dates for the submission of reports of progress toward satisfaction of the interim requirements.

4. The results of all plans and reports shall be submitted in accordance with the approved schedule. Extensions of the due date for submittals may be granted by the Director based on the Permittee's demonstration that sufficient justification for the extension exists.
5. Upon approval by the Director all plans and schedules shall be enforceable as conditions of this permit.

SECTION VI. CORRECTIVE ACTION PLAN AND GROUNDWATER PROTECTION STANDARD FOR EXISTING SOLID WASTE MANAGEMENT UNITS

A. Purpose and Scope

1. The purpose of this Corrective Action Plan (CAP) and groundwater protection standard is to:
 - a) Establish and maintain a hydraulic barrier to off-site migration of constituents in groundwater in excess of the groundwater protection standard set forth in Section VI.D;
 - b) Remove any non-aqueous phase liquid in the subsurface; and
 - c) Remove the hazardous constituents from the groundwater to meet the groundwater protection standards set forth in Section VI.D.
2. After completion of the RFI and risk assessment for the Facility, Permittee will propose a revised CAP to address other media (soil, sediments, surface water, air) which may have been impacted by releases of hazardous waste constituents or hazardous constituents from SWMU's 1-8.
3. The scope of the CAP is to remove, reduce, or treat in place any hazardous waste, hazardous waste constituents or hazardous constituents that exceed concentration limits in the groundwater protection standard cited in Section VI.D within the facility's boundary and beyond the facility boundary as required under §12-8-66 of the Georgia Hazardous Waste Management Act, as amended, unless the Permittee can demonstrate to the satisfaction of the Director that:
 - a) Despite the permittee's best effort, the Permittee was unable to obtain the necessary permission to undertake such action; or
 - b) Such action is not necessary to protect public health or the environment.
4. A Source Control Plan is incorporated into the CAP. This plan may include but not limited to, the following:

- a) An internal incident response team for each shift to quickly repair leaks.
- b) Procedures for cleanup of soil, sediment, surface water, as applicable as a result of leaks.
- c) A program to place underground piping containing hazardous waste, hazardous waste constituents, or hazardous constituents either above ground or in lined trenches with easy access for inspection and repair if and/or when problems with such piping is discovered, or when processes are changed or added which require piping modification.

B. Well Location and Construction

1. This program is for monitoring both groundwater quality and the presence, identify, and thickness of separate-phase product at the Delta TOC Facility in Atlanta, Georgia.
 - a) Permittee shall maintain in good working order the following wells and piezometers: A, B, C, D, E, F, G, H, I, J, 1, 2, 3, 4, 5, MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7/B-11, MW-7-1, MW-AOC-8, MW-AOC-9, MW-AOC-10, MW-AOC-11, MW-AOC-12, MW-AOC-13, MW-AOC-14, MW-L1, MW-L2, MW-L3, MW-L4, MW-L6, MW-L7R, MW-L9, MW-L10, MW-L11, MW-L13, MW-L14, MW-L15, MW-L16, MW-L17, 1-PL, 2-PL, 3-PL, 4-PL, 5-PL, 6-PL, MW-D2, MW-UG, MW-4HI-2, PZ-14R, PZ-20, PZ-21, PZ-27, PZ-RW-9, PZ-RW-11, PZ-RW-12, PZ-RW-13, PZ-RW-14, PZ-RW-7, PZ-01, PZ-18R, PZ-22, PZ-23, PZ-24, PZ-25, PZ-26, PZ-28, PZ-29, PZ-30, PZ-31, PZ-32, SP-14, SP-15, MW-4HI-1, RW-1, RW-2, RW-3, RW-5, PZ-RW-8, RW-9, AND RW-10. Additional wells and piezometers may be added at the discretion of the EPD Director.
 - b) Permittee shall monitor groundwater quality in the following wells on a quarterly basis (separate phase product may currently or periodically be present at some of these locations – when separate phase product is present, groundwater quality sampling will not be conducted): A,B,C,F,G,H,I,1,2,3,4,MW-1,MW-2,MW-3,MW-4,MW-5,MW-6,MW-7R/B-11,MW-7-1,MW-AOC-8,MW-AOC-10,MW-AOC-13,MW-L1,MW-L2,MW-L3,MW-L4,MW-L6,MW-L7,MW-L11,MW-L17,2-PL,3-PL,MW-D2,MW-UG and MW-4HI-2. Additional existing or new wells will be monitored for groundwater quality as deemed necessary to protect human health and the environment.

- c) Permittee shall measure and record in the operating record on a quarterly basis the following parameters for the wells listed in Section VI.B.1.(a) of this permit. Measurements will be made from the designated measuring point in each well to the nearest 0.01 foot.
 - a) Depth to product (if present).
 - b) Depth to water.
 - c) Total Depth.
 - d) The well locations are shown on Figure L-1 of the Permit Class 3 Modification package. Any additional wells as deemed appropriate by the Director to monitor groundwater conditions within and adjacent to all plumes of contamination will also be maintained in good working order.
 - e) Any wells that will no longer be used by the Permittee and are listed on this permit shall be properly abandoned by the Permittee.
2. The Permittee has constructed and will maintain in good working order background monitoring well MW-UG. If monitoring well MW-UG becomes unsuitable for the determination of background water conditions due to the subsequent discovery of upgradient contamination, the Permittee may be required to construct a new background well or wells.
 3. The wells without free product listed in Section VI.B.1(b) will be monitored quarterly for the constituents listed in Section VI.D.1.
 4. The Permittee shall install and maintain additional monitoring wells as necessary to assess changes in the rate and extent of any plume of contamination or as otherwise deemed necessary to maintain compliance with 40 CFR 264.95, 264.97, 264.99 and 264.100. A plan specifying the design, location, and installation of any additional monitoring wells shall be submitted to EPD ninety (90) days prior to the installation, unless it is deemed appropriate by the Director and the Permittee that the wells shall be installed on an accelerated schedule. Such plan shall at a minimum include:
 - a) Well construction techniques including casing depths and proposed total depth of well(s);
 - b) Survey of both well location and elevation;
 - c) Well development methods;
 - d) Complete specifications of all materials used in well construction including drilling fluids;

- e) A schedule of implementation for construction; and
- f) Provisions for determining the lithologic character, hydraulic conductivity and grain size distribution for the applicable aquifer unit(s) at the location of the new well.

C. Sampling and Analysis

1. All samples required under this Permit shall be collected and analyzed in accordance with the techniques and procedures specified in the most recent edition of Test Methods for Evaluating Solid Waste: Physical/Chemical Methods SW-846 and the U.S. EPA Region IV Standard Operating Procedure/ Quality Assurance Manual.
2. Upon identification of a previously undetected area of separate phase product, a sample of the separate phase product will be collected and analyzed by EPA methods SW-846, 8260, 8015, and/or any other applicable SW-846 Methods.

D. Groundwater Protection Standard

1. Unless and until Georgia EPD approves risk-based remediation levels or other levels, the groundwater protection standard as required under 40 CFR 264.92 shall consist of two parts, a concentration limit and a free product recovery effectiveness standard:
 - a) Concentration limit: the following is a list of constituents and their concentration limits:

<u>Constituent</u>	<u>Concentration (mg/l)</u>
Barium	2.0
Chromium	0.1
Lead	0.015
Cyanide	0.2
Benzene	0.005
Vinyl Chloride	0.002
1,2-Dichloroethane	0.005
1,1-Dichloroethene	0.007
1,1,1-Trichloroethane	0.2
Trichloroethene	0.005
Chloroform	0.08
Methylene Chloride	0.005
Chlorobenzene	Background
Tetrachloroethene	0.005
Ethyl Benzene	0.7
Toluene	1.0
Xylenes	10

1,1-Dichloroethane	Background
n-Butylbenzene	Background
sec-Butylbenzene	Background
1,2-Dichlorobenzene	0.6
1,3-Dichlorobenzene	Background
1,4-Dichlorobenzene	0.075
cis-1,2-Dichloroethene	0.07
Isopropyl benzene	Background
Napthelene	Background
n-Propyl benzene	Background
1,2,4-Trimethylbenzene	Background
1,3,5-Trimethylbenzene	Background

b) Free product recovery effectiveness goals for the area covered by SWMUs 1-6 and 8 shall be as follows:

<u>I</u> <u>Schedule Date</u>	<u>II</u> <u>Thickness of</u> <u>Product in Well</u>	<u>III</u> <u>Number of Wells*</u>
Sept. 1, 1999	4.0 feet	10
July 1, 2001	1.0 feet	6
July 1, 2003	0.5 foot	5

*(Exhibiting free Product in Column II)

- c) Recovery of separate phase product was initiated in the 4HI, MW-D2, AOC-12, and MW-L2 areas when interim measures commenced in 1998, and will be started in the SWMU 7 (Bay 5) area upon approval of this permit. Within 180 days from issuance of this Permit, Delta will provide a report of the implemented separate phase produce recovery activities and proposed modifications to the free product effectiveness goals.
- d) Operating recovery wells with installed pumps are excluded from the free product recovery effectiveness goals.
- The ground water protection standard applies to all hazardous waste, hazardous waste constituents, or hazardous constituent releases as deemed appropriate by the Director to protect public health and the environment.
 - If any additional hazardous constituents are discovered in the ground water during corrective action activities, and these constituents exceed background levels, 40 CFR 264.94 Table I Concentrations, or the MCL established by the Safe Drinking Water Act and the Rules promulgated hereunder, the Permittee is required to conduct

corrective action to comply with the applicable constituent limits. These constituents shall be automatically added to the list in Section VI.D.1.

4. If for a given additional hazardous constituent discovered in groundwater during corrective action activities, no groundwater concentration limit is provided for in 40 CFR §264.94, and no Maximum Contaminant Level (MCL) under the Safe Drinking Water Act exists, the Groundwater Protection Standard shall be background, or a Risk-Based Remediation Level that is approved by the Director.

E. Operation of the Corrective Action System

1. The Permittee shall operate and maintain in good working order recovery wells RW-2A, RW-3A, RW-4, RW-5, RW-7, RW-8, RW-11, RW-12, RW-13, RW-14, RW-15, RW-16, RW-17, and RW-18 in a manner designed to achieve the purpose of the CAP as referenced in Section VI.A.
2. The Permittee shall install, operate, and maintain additional recovery wells as necessary to achieve the purpose of the CAP as referenced in Section VI.A.
3. The Permittee shall insure that adequate arrangements are made with either the Permittee's resources or outside contractors to insure continuous operation of the recovery wells and treatment system. Except as required for operation and maintenance activities, all shutdowns of one or more recovery wells or treatment systems must be reported to the EPD by telephone within twenty-four (24) hours, and confirmed in writing within three (3) days.
4. On a quarterly basis the Permittee shall measure depth to product and depth to water in those recovery wells listed in Section VI.E.1 and report the results in the semi-annual Corrective Action System Performance Evaluation Report.
5. The Permittee shall determine the composition of free product from selected wells listed in Section VI.B.1(a) and VI.E.1., as designated by Delta and approved by EPD, on an annual basis. Delta will provide EPD with a list of wells from which free product will be sampled as least 30 days prior to sample collection.
6. The Permittee shall measure the ground water elevations and total depth in the wells listed in Section VI.B.1(a) and the groundwater elevation in the recovery wells listed in VI.E.1. and compute the potentiometric surface and ground water flow direction and rate. This shall be accomplished on a quarterly basis and shall coincide with the ground water sampling referenced in Section VI.B.3. All measurements shall be in accordance with the latest EPA Technical Guidance Manuals including the latest version of the USEPA Region IV SOP/QAM.

F. Records and Reports

1. All reports and other documents containing geologic interpretation must be signed and affixed with the seal of a currently registered Professional Geologist. The Professional Geologist must take an active role in the preparation of such reports or other documents.
2. A Corrective Action System Performance Evaluation Report must be submitted to EPD on a semi-annual basis. The Director reserves the right to require reporting more frequently if site conditions warrant. These reports will be due by January 1 and July 1 of each calendar year. This report shall at a minimum contain:
 - a) Site and vicinity maps
 - b) Operation history
 - c) Description of monitoring activities
 - d) Quarterly measurements or calculation of the following parameters for each well in Sections VI.B.1(a) and VI.E.1.
 - 1) Depth to water.
 - 2) Elevation of the water table.
 - 3) Depth to product (if present).
 - 4) Product thickness.
 - 5) Total depth of well.
 - e) The measuring point elevations for each well and piezometer in Sections VI.B.1(a) and VI.E.1 are to be tabulated in the report.
 - f) Interpretation of system performance including, but not limited to:
 - 1) Operational data and problems.
 - 2) Hydrogeologic impacts.
 - 3) Total Fluids and free product recovery in gallons.
 - 4) Ground Water quality.
 - 5) Analyses of free product (annually).
 - 6) Conclusions.
 - 7) Additional corrective action activities.
 - g) A potentiometric surface map.
 - h) A free product thickness map
 - i) Any other material which describes and clarifies the corrective action activities.
 - j) EPD may request additional material either in the report or as a supplement to aid in the interpretation of correction activities.

G. Termination of Corrective Action

Corrective action activities under this Permit may be terminated by mutual agreement of the Director and the Permittee when: the groundwater protection standard set forth in Section

VI.D is achieved; when full compliance has been achieved with the requirements of Section III; and when all other media effective by a release from SWMUs 1-8 are remediated to levels deemed necessary to protect human health and the environment.

H. Compliance Period

The compliance period shall be defined as long as necessary to achieve compliance with the groundwater protection standards and corrective action as required under 40 CFR Part 264.100 has been terminated, as specified in Section VI.G, and as required by 40 CFR 264.96(c). The compliance period shall begin with the effective date of this Permit.

I. Financial Assurance for Corrective Action

Within sixty (60) days of the effective date of this permit, the Permittee shall establish financial assurance, acceptable to the Director, for the approved corrective action.

SECTION VII. PERMIT MODIFICATION

If required to develop a corrective action plan under Section V.C.2, the Permittee shall apply for a permit modification pursuant to §270.41 to incorporate the plan into the permit.