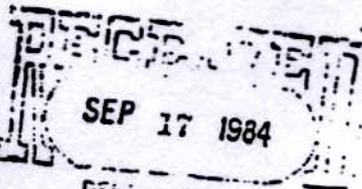


# **APPENDIX 2**

**PERMIT SW-84/17**



STATE OF DELAWARE  
 DEPARTMENT OF NATURAL RESOURCES  
 & ENVIRONMENTAL CONTROL  
 DIVISION OF ENVIRONMENTAL CONTROL  
 WATER RESOURCES SECTION  
 89 KINGS HIGHWAY  
 P.O. BOX 1401  
 DOVER, DELAWARE 19903

DELAWARE SOLID WASTE AUTHORITY

140 500.020

- ~~NAI~~
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- ~~JP~~
- ~~FSC~~
- ~~RPW~~
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- ~~JFB~~
- ~~VTR~~
- ~~JWP~~

TELEPHONE: (302) 736-4761

September 10, 1984

FILE COPY

Permit: SW-84/17 (Renewal of SW-83/22)  
 Delaware Solid Waste Authority  
 Northern Solid Waste Facility-1

Mr. N. C. Vasuki  
 General Manager  
 Delaware Solid Waste Authority  
 Post Office Box 455  
 Dover, Delaware 19903

Dear Mr. Vasuki:

Pursuant to Sections 6.01 through 6.05 of the Delaware Solid Waste Disposal Regulation, the Department hereby issues this permit to operate the Northern Solid Waste Facility-1 at Pigeon Point, near Wilmington, Delaware, in accordance with your request for renewal dated July 17, 1984.

This permit is subject to the following conditions:

1. The operation shall be conducted in accordance with the information submitted in the permit application and applicable provisions of the Delaware Solid Waste Disposal Regulation.
2. No refuse shall be deposited on a wetlands area.
3. Suitable cover material, at least six (6) inches in depth, shall be placed over all wastes at the end of each working day. The cover layer shall be maintained; and all cracked, eroded, and uneven areas shall be promptly repaired. Quarterly, a report shall be submitted describing compliance with daily cover requirements.
4. Periodically, you shall conduct a general clean-up of the landfill area including blowing paper, litter, and other wastes associated with the landfill operation.
5. Quarterly, in March, June, September, and December, you shall submit reports on the quantity of waste received at the landfill.

cc: Eric Schraeger  
 cc: J. Rohrbach

6. Quarterly, in March, June, September, and December, you shall make depth-to-water measurements in the following wells: 1, 1A, 24, 25R, 26R, 27R, 28, 28A, 29, 29A, 31, 31A, 32, 32A, 37, 37A, 41, 41A, 42, 42A, 45, 46, 47, 48, 49, 50, and 51. You shall determine the water elevations in these wells and submit the data to the Department within thirty (30) days after the date of measurement.
  7. Quarterly, in March, June, September, and December, you shall sample wells 1, 1A, 25R, 26R, 27R, 28, 29, 29A, 32A, 37A, 41, 41A, 45, 46, 47, 48, and 49 for the following parameters: pH, Total Dissolved Solids (TDS), Total Organic Carbon (TOC), Total Kjeldahl Nitrogen (TKN), Nitrate Nitrogen (NO<sub>3</sub>-N), Iron (Fe), Chloride (Cl), and Alkalinity. The results shall be submitted to the Department within thirty (30) days from the date of sampling.
  8. Quarterly, in March, June, September, and December, you shall sample the east and west manholes and the lift station for the following parameters: pH, TDS, TOC, TKN, NO<sub>3</sub>-N, Fe, Cl, and Alkalinity. The results shall be submitted to the Department within thirty (30) days from the sampling date.
  - 9a. Annually, in March, you shall sample wells 26R, 28, 29, 41, and 45 for Barium, Chromium, Silver, Arsenic, Selenium, Lead, Cadmium, Zinc, Calcium, Magnesium, Manganese, and Mercury.
  - 9b. Annually, in March, you shall sample wells 1, 29A, 41, and 27R, the east and west manholes, and the lift station for Toluene, Benzene, Ethylbenzene, Methylene Chloride, Trichloroethylene, and Tetrachloroethylene.
- The results of the above annual sampling shall be submitted to the Department within thirty (30) days from the sampling date.
10. You shall notify the Department, in writing, within the prescribed thirty (30) days, if you are unable to comply with any of the timing requirements in Conditions 7, 8, and 9 above. You shall state the reason for any such delay (e.g., inclement weather).
  11. Any reuse of completed portions of the landfill shall not be initiated without prior approval from the Department.
  12. Closure of the Northern Solid Waste Facility-1 shall be in compliance with Section 6.03(h) of the Delaware Solid Waste Disposal Regulation. Prior to closure, you shall submit closure plans to the Department and obtain approval of the plan. The closure plans shall include, at a minimum, provisions for a two (2) foot final cover with vegetation on the completed landfill; the maintenance of the groundwater monitoring program for a minimum of five (5) years from the date of closure; and the identification of the parties to be responsible for the closure and for the cleanup of any environmental problems created by the landfill.

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Delaware Solid Waste Facility - NSWF-1  
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13. Representatives of the Department may, at any reasonable time, inspect this facility.
14. This permit shall expire in two (2) years from the date of issue and is subject to renewal. Within ninety (90) days from the expiration date of this permit, the permittee shall notify the department of plans for renewal.
15. A copy of this permit shall be available at the facility at all times.
16. This permit may be revoked upon violation of any of the preceding conditions or provisions of the Delaware Solid Waste Disposal Regulation.

Very truly yours,

*William Razor*

William G. Razor  
Supervisor/Environmental Engineer  
Solid Waste Management Branch

WGR:MPB:lmw

cc: Robert J. Touhey  
Gerard L. Esposito  
Alan H. Simpson  
Matthew P. Brill