Jeffrey Schmitt
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEC PERMIT NUMBER	EXPIRATION DATE
9-0232-00003/00002	May 1, 2015
FACILITY/PROGRAM NUMBER(S)	
02S17	

DEC 2 2 2006

BUREAU OF WASTE REDUCTION AND RECYCLING
DIVISION OF SOLID AND HAZARDOUS MATERIALS

PERMIT

Under the Environmental Conservation Law

MODIFICATION

TYPE OF PERMIT: **Article 27, Title 7; 6NYCRR Part 360: Solid Waste Management**
6NYCRR Part 608 Water Quality Certification

PERMIT ISSUED TO	TELEPHONE NUMBER
Hyland Facility Associates	**(802) 775-0325**
ADDRESS OF PERMITTEE	
25Greens Hill Lane, Rutland VT 05702	
CONTACT PERSONS FOR PERMITTED WORK **Mr. Joseph Boyles, Project Engineer** **Hyland Facility Associates, Angelica, New York 14709**	TELEPHONE NUMBER **(585) 466-7271**
Mr. Larry Lackey, Vice President of Permits, Compliance and Engineering **New England Waste Services of NY, Inc., 3 Pitkin Court, Montpelier, VT 05602**	**(802) 223-7221**
NAME AND ADDRESS OF PROJECT/FACILITY **Hyland Landfill**	
LOCATION OF PROJECT/FACILITY **6653 Herdman Road, Angelica, New York 14709**	

COUNTY	TOWN	REGULATED RESOURCE	NYTM COORDINATES
Allegany	**Angelica**	(if applicable)	**E: 252.0 N: 4685.8**

DESCRIPTION OF AUTHORIZED ACTIVITY

Construction of Hyland Landfill Cells 3, 4 and 5 and ancillary facilities including leachate collection and storage, gas collection, storm water control, soil borrow area, etc.

Operation of : Cells 1, 2, 3, 4 and 5; leachate collection system; leachate storage facilities; storm water control facilities; soil borrow area; landfill gas collection system and landfill gas destruction unit.

Construction of the facility resulting in loss of federally jurisdictional wetlands and for related compensatory mitigation and also the impact on a total of 2,160 linear feet on two unnamed streams.

By acceptance of this permit, the permittee agrees that continuance of and compliance with the permit is dependent upon strict compliance with NYS Environmental Conservation Law (ECL), all applicable regulations, the specified General Conditions (**page 2**) and all Special Conditions contained herein.

REGIONAL PERMIT ADMINISTRATOR	DIVISION OF ENVIRONMENTAL PERMITS 270 MICHIGAN AVENUE, BUFFALO, NY 14203-2999	
Steven J. Doleski	(716) 851-7165	
AUTHORIZED SIGNATURE Steven J. Doleski	DATE OF ISSUANCE 12/20/2006	PAGE 1 OF 20

GENERAL CONDITIONS

Inspections

1. The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3). A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Permit Changes and Renewals

2. The Department reserves the right to modify, suspend or revoke this permit when:
   a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
   b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
   c) new material information is discovered; or
   d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

3. The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms, fees or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

4. The permittee must submit a renewal application at least 180 days before expiration of permits for State Pollutant Discharge Elimination System (SPDES), Hazardous Waste Management Facilities (HWMF), major Air Pollution Control (APC) and Solid Waste Management Facilities (SWMF) and 30 days before the expiration of permit for Water Quality Certification.

5. Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Other Legal Obligations of Permittee

6. The permittee has accepted expressly, by the execution of the application, the full legal responsibility for all damages, direct or indirect, of whatever nature and by whomever suffered, arising out of the project described in this permit and has agreed to indemnify and save harmless the State from suits, actions, damages and costs of every name and description resulting from this project.

7. This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

8. The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required for this project.

9. The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

SPECIAL CONDITIONS

Approved Documents and Wastes

1. Except as modified by the special conditions in this permit, construction of Cells 3 through 5 and operation of Cells 1 through 5 shall be in conformance with 6 NYCRR Part 360 and the plans and reports consisting of:

   a. "Interim Ambient Air Sampling Program Hylands Ash Monofill Angelica, New York" dated September 1997 and prepared by Martin Leonard, P.E.

   b. "Leachate Management Plan" dated January 2003 (Revised) and prepared by G.N. Richardson & Associates, Inc.

   c. "Construction Drawings for Cell No. 1 and 2 Gas Collection Plan" prepared by Barton & Loguidice, P.C. and as modified by the "Typical Perimeter Gas Header Detail" prepared by Barton & Loguidice, P.C. and last modified August 2, 2005. The approved plan sheets are listed on page 18 of 20.

   d. Plan sheet entitled "Hyland Facility Clay Mine Detention Pond Modifications". This sheet was prepared by McMahon & Mann Consulting Engineers, P.C. and dated August 2005.

   e. "Landfill Expansion 6NYCRR Part 360 Permit Application Engineering Report Appendix G - Landfill Gas Collection System Design Report" dated August 2005 and prepared by Barton & Loguidice, P.C.

   f. Plan sheets for "Hyland Facility Associates Landfill Expansion Landfill Gas Collection System" prepared by Barton & Loguidice, P.C. The approved plan sheets are listed on page 18 of 20.

   g. "Construction Quality Assurance/Quality Control CQA/CQC Manual for the Hyland Facility Associates Landfill Cell No. 1 and 2 Gas Collection Plan" dated October 2005 (Revised) and prepared by Barton & Loguidice, P.C.

   h. "Hyland Facility Associates Landfill Expansion Project Final Supplemental Environmental Impact Statement" dated November 2006 and prepared by McMahon & Mann Consulting Engineers, P.C.

   i. Hyland Facility Associates Landfill Expansion Project Hydrogeologic Report - Volumes 1 and 2" dated February 2006 and prepared by McMahon & Mann Consulting Engineers, P.C.

   j. "Hyland Facility Associates Landfill Expansion Operation and Maintenance Manual Appendix B - Environmental Monitoring Plan" dated February 2006 and prepared by McMahon & Mann Consulting Engineers, P.C.

   k. "Hyland Facility Associates Site Analytical Plan" dated May 2006 and prepared by McMahon & Mann Consulting Engineers, P.C.

SPECIAL CONDITIONS

l. "Hyland Facility Associates Landfill Expansion Project Application Submittal Solid Waste Facility Permit Modification" dated March 2006 and prepared by Sanborn, Head Engineering, P.C. This application includes the following documents:

- Landfill Siting Report
- Engineering Report (including Appendix A - F and H - I)
- Construction Quality Assurance/Quality Control (CQA/CQC) Plan and Technical Specifications
- Operation and Maintenance Manual (including Leachate Management Plan and Contingency Plan)

m. Plan sheets for "Hyland Facility Associates Landfill Expansion" prepared by Sanborn, Head Engineering, P.C. The approved plan sheets are listed on pages 19 and 20 of 20.

n. "USACE & NYSDEC Permit Application for Hyland Facility Expansion Project" dated February 24, 2004 and prepared by Earth Dimension, Inc.

2. The only waste permitted for disposal shall be municipal solid waste incinerator ash (i.e., fly ash, bottom ash and combined ash), municipal solid waste, nonhazardous industrial/commercial waste, construction and demolition (C&D) debris, contaminated soils and sludges. All nonhazardous industrial waste, contaminated soil, sludge and solid waste incinerator ash can only be received upon written acceptance from the Region 9 Solid Materials Engineer (RSME). All requests for acceptance shall be submitted on the form 47-19-7, Application for Disposal of an Industrial Waste Stream. The permittee may self approve virgin petroleum contaminated wastes in accordance with the Department's letter of June 17, 2003 to Mr. Joseph Boyles, Staff Engineer, from Chad Staniszewski, Environmental Engineer I (copy attached).

3. Ash (ie. flyash, bottom ash and combined ash) containing free liquids or hazardous waste **shall not be received** at the landfill. Liquids, wastes containing free liquids or sludges with a solids content of less than 20% **shall not be received** at the landfill. No hazardous waste (as defined in 6 NYCRR Part 371, which is subject to regulation under 6 NYCRR Part 370 through 374) and no radioactive waste (as defined and regulated in 6 NYCRR Part 380) may be received at this facility.

4. The approved design capacity for this landfill is 1,200 tons per day. The approved design capacity is not a limit. The maximum waste receipts at the landfill during any quarter shall not exceed 93,660 tons. Annual waste receipts at the landfill shall not exceed 312,000 tons.

5. The permittee shall not receive at the facility, solid waste which was generated within a New York State municipality that has either not completed a comprehensive recycling analysis (CRA) or is not included in another municipality's CRA satisfying the requirements of 6 NYCRR Part 360-1.9(f), unless authorized in writing by the Department. The CRA must be approved by the Department and the recyclables recovery program determined to be feasible by the analysis must be implemented

Equivalent Designs (All references are 6 NYCRR Part 360, effective November 24, 1999)

6. Equivalent Design - 360-2.13(p) - A geosynthetic venting layer may be used in lieu of a 12 inch thick granular soil venting layer.

7. Equivalent Design - 360-2.13(l)(2)(i) - 16 inches of tire chips may be substituted for the upper 12" of drainage material in the primary drainage layer.

Compliance Schedule

8. Within 60 days of the effective date of this permit, the permittee shall notify the surety (Evergreen National Indemnity Company - Bond number 850066) of this permit issuance and obtain written notification from the surety that the Surety Bond is still valid. The RSME must receive a copy of both letters.

9. For each phase of landfill construction, the permittee shall submit updated specifications, an updated CQA/CQC Plan and drawings for construction of the next phase. These items shall be submitted at least 90 days prior to beginning of construction for Department review and approval.

10. A construction schedule for any phase of landfill construction or closure shall be submitted to the RSME at least 30 days before the start of construction of that phase.

11. Resumes of the CQA/QC Engineer, the CQA Manager and the field technicians shall be submitted to the Department at least 30 days prior to beginning of any phase of construction or closure.

12. Prior to the operation of any new cell, the permittee shall submit to the RSME a revised closure and post-closure cost estimate that includes the new cell to be operated.

13. Prior to the operation of any new cell, the permittee shall submit to the RSME a revised financial surety instrument (if needed) to provide surety for the revised closure and post-closure cost estimates provided in accordance with special condition 12 of this permit.

14. Prior to the operation of any new cell, the permittee shall receive the RSME acceptance of the record drawings and Construction Certification Report (see special condition 32 of this permit).

15. A plan for decommissioning the existing leachate tanks, loadout platform, vault, spill tank and all piping, including the forcemain between the side riser building and the vault, shall be submitted to the RSME at least 60 days in advance of any decommissioning or removal work. This plan must be approved by the Department before any of this work is started.

16. Prior to accepting municipal solid waste incinerator ash, the permittee shall obtain a certification from the generator that the ash has been tested in accordance with appropriate laboratory analytical methods and frequency protocols and it is not hazardous waste as defined under 6 NYCRR Part 371.2 through 4 and regulated under 6 NYCRR Part 372, 374-2.15 and any other applicable subpart. Additionally, as long as the ash is being accepted at the landfill, the permittee must require the generator to provide copies of the analyses used to confirm the certification. Copies of the certifications and analyses shall be maintained at the landfill for the duration of the landfill's operation and post closure period, as defined in Part 360-2.15(k).

17. Prior to accepting municipal solid waste incinerator ash, the permittee shall implement the ambient air sampling program identified in special condition 1.a. of this permit.

18. Prior to closure of any portion of the landfill, the permittee shall submit to the RSME, for approval, closure plans, specifications and a CQA/CQC Plan for the areas to be closed. In addition, if any design changes are proposed to the Conceptual Closure Plan, the appropriate design calculations shall be presented to justify the changes. This closure plan information shall be submitted to the RSME, for review and approval, at least 60 days prior to anticipated beginning of construction.

19. Prior to final closure of the facility, a Closure Site Investigation (CSI) shall be completed, as needed, and a report prepared in accordance with 6 NYCRR Part 360-2.15(a). The CSI Report shall be submitted to the RSME within 180 days before receipt of the last waste, within 180 days before the last day of the operating permit, or in accordance with any permit condition or schedule of an Order on Consent, whichever is sooner.

20. Prior to final closure of the facility, a Final Closure Plan, including all design calculations, as well as a QA/QC Plan and specifications, must be prepared in accordance with 6 NYCRR Part 360-2.15(c). The Final Closure Plan shall be submitted to the RSME within 60 days before receipt of the last waste, within 60 days before the last day of the operating permit, or in accordance with any permit condition or schedule of an Order on Consent, whichever is sooner.

Construction, Interim Final Cover and Final Cover Installation

21. In accordance with the Blasting Stipulation, all forms of blasting are prohibited on the landfill property. Any request to modify this prohibition must be accompanied by a Blasting Plan and necessary analysis and be sent to all parties listed on the Service List for the Hylands Ash Monofill Facility and as updated by the Department for the landfill proposal. The Blasting Plan and necessary analysis shall be prepared using a New York State licensed blaster, who would be responsible for the actual blasting. The plan/analysis shall specify the blast design(s) and provide its (their) underlying rationale and computations. Air blast, ground vibration and potential for fly rock damage shall be estimated for potentially sensitive receptors and any monitoring and test detonation provisions shall be identified. **The Blasting Plan and necessary analysis shall be considered a Supplement to the Hylands Ash Monofill Environmental Impact Statement and shall be subject to a public notice, a thirty day public comment period and scheduling of an adjudicatory hearing.**

22. In accordance with the Blasting Stipulation, if rock is encountered and a hydraulic hammer or similar hydraulic RAM equipment is used to break the rock, such equipment shall only be operated between 9:00 AM and 5:00 PM, Mondays through Fridays.

23. During excavation of the eastern portion of Cell 3, if there is any indication of bedrock (weathered bedrock evident, seepage zones, abnormal number of bedrock rafts, etc.), excavation shall cease and test borings and/or test pits shall be drilled or excavated to determine depth to bedrock. If the data collected during this investigation indicates that the top of bedrock surface is at a higher elevation than that used to determine the separation to bedrock requirements during the design of Cell 3, a revised Cell 3 Subgrade Plan shall be prepared and submitted to the RSME for approval.

24. If during excavation of any portion of Cells 3, 4 and 5 flowing groundwater is observed, an investigation shall be conducted to determine, if possible, the source of the seepage and to confirm the minimum thickness of overburden beneath the subgrade. If it is necessary to construct a trench or other means of conveyance to direct this flow to the groundwater collection system, these modifications to the design shall not compromise the approved separation distance to bedrock. The new design detail shall be prepared by a Professional Engineer licensed in New York State and be submitted to the RSME for review and approval prior to installation.

25. During subgrade excavation in all former agricultural areas where the excavation to subgrade is less than 2.5 feet, overburden soils will be excavated to a depth of at least 2.5 feet and recompacted to subgrade elevation, unless the upper 2.5 feet of soil has already been removed. In the valley area of Cell 5 where excavation to subgrade is less than 20 feet, as identified in the Engineering Plans, soils shall be over excavated to a depth of 3 feet below subgrade and the area shall be backfilled with embankment material.

26. The base of the landfill shall be constructed to the grades shown on Sheet 3 of the plan sheets entitled "Hyland Facility Associates Landfill Expansion" (see special condition 1.m. of this permit). For those areas where it is determined (through an on-site investigation) that the bedrock is higher than shown on sheet 3, a minimum of 20 feet of vertical separation shall be maintained between the bottom of the landfill liner and the top of bedrock.

27. The permittee shall test the geocomposite drainage layer to be used in the groundwater suppression systems of Cells 3 through 5 for apparent size opening (AOS). If the AOS for the geocomposite drainage layer proposed for construction is greater than the AOS of the geocomposite drainage layer used in the 2005 Hydraulic Conductivity Ratio testing (the No. 70 sieve, 0.212 millimeters), then the permittee shall complete one Hydraulic Conductivity Ratio Test on the geocomposite drainage layer proposed for construction to ensure that it will perform (as designed) as a porewater drainage layer.

28. All geotextile, geonets, geosynthetic drainage composites, GCL's and geomembrane shall be tested to ensure that the appropriate design standards (including but not limited to friction angle, cohesion, transmissivity, permitivity and tensile strength) are met. The testing shall be done to simulate actual landfill conditions using the appropriate adjacent materials and expected loadings that would be found in the landfill. All testing must be completed prior to installation of the appropriate materials. The results of the testing shall be included in the Construction Certification Report (see special condition 32 of this permit).

29. Stockpiles of tire chips/shreds shall be accessible on all sides for fire protection equipment. The runoff from these piles shall be contained for inspection and possible sampling before discharge. In the event that a tire chip/shred stockpile exceeds 12 feet in height, two temperature probes shall be placed in each pile. These probes shall be checked daily for temperature.

30. Per the requirement of 6 NYCRR Part 360-1.4(b), the Department reserves the right to inspect landfill construction and final cover installation at any time. The RSME or the Monitor shall be notified at least 24 hours before any scheduled final inspection of the final lift of clay and the geomembrane liner so appropriate Department staff have the ability to accompany the permittee or designated representative(s) performing the Construction Quality Assurance inspections prior to installation of the next overlying layer.

31. A log shall be maintained on-site during each landfill construction and final closure phase to record all proposed field changes. Changes materially altering the permitted design and/or approved specifications must be approved in writing by the RSME before they are implemented. The Construction Certification Report (see special condition 32 of this permit) shall incorporate the Field Change Log for the respective construction/final closure phase.

32. A Construction Certification Report for any landfill or gas removal system construction or interim or final cover installation shall be submitted to the RSME within 45 days of work completion. The permittee's CQA/CQC Engineer shall certify in writing that the construction of the landfill, the cap (interim or final) and/or the gas removal system was in accordance with this permit and tested in accordance with generally accepted engineering practice. The Construction Certification Report shall also include "As-Built" Plans and a report documenting the results of all testing. The Construction Certification Report shall be signed by a New York State Licensed Professional Engineer.

33. The permittee shall initiate pumping of surface water from constructed but inactive cells on the next business day after the water level reaches 12" above the floor of the lowest part of the liner.

34. A minimum of 30 days of flow data shall be collected from the secondary collection system of a cell, subcell or basin. This data shall be submitted to the RSME for review and approval prior to operation of the cell, subcell or basin.

35. In the mining/soil borrow area, the slopes and floor shall be reclaimed/stabilized once final grade is reached or when no further excavation will be conducted within 12 months. The mine/borrow area shall be excavated/operated in a manner that reclamation is progressive.

36. In those areas where solid waste will not be deposited within one year, or where final grades have been reached, the permittee shall place an interim cover consisting of 24" of low permeability soil ($<1x10^{-6}$ cm/sec) and 3" of topsoil. Immediately following placement of the interim final cover:

    a. silt screen barriers shall be installed and maintained, until a substantial vegetative growth is established, to intercept sediment laden runoff and prevent significant soil movement, and

    b. seeding for grass shall occur to minimize erosion and protect the soil. If final seeding is impracticable due to the time of year, seeding shall be performed at the earliest opportunity when weather conditions favor germination and growth. In the interim, temporary seeding, including winter varieties shall be applied. Active seeding shall continue until a suitably protective vegetative cover is established.

Landfill Operation

37. The landfill shall only be operated between the hours of 7:00 AM and 9:00 PM, Monday through Saturday. Waste shall only be received between the hours of 7:00 AM and 8:00 PM. The hours of operation do not limit the times during which leachate may be hauled off-site.

38. Landfill personnel shall be on duty at all times when the facility is receiving waste to ensure that only approved wastes are deposited in the landfill. In the event that hazardous wastes or other unacceptable wastes are received at the landfill, the permittee's personnel shall refuse to accept these wastes for disposal in the landfill and shall immediately notify the Monitor and/or the RSME of the incident, providing the hauler's name and (if possible) license plate of the vehicle, the type of waste thought to have been transported and the generator of the waste. In the event that the waste has been dumped and the transporter has left the site, the waste shall be segregated from the working face. Proper disposal of the waste shall be arranged for within 30 days. A written report of the incident shall be forwarded to the RSME within five (5) working days. In other instances, when non-hazardous, unauthorized wastes are received at the landfill, a report summarizing these occurrences shall be submitted to the Department with the Quarterly Report required by special condition 83 of this permit.

39. When traveling within the landfill or over landfill berms, waste transport vehicles shall be confined to gravel covered or Department approved non-waste material surfaces (i.e., wood chips, bark, other approved BUD materials, etc.). All material used for that purpose shall be disposed of within the landfill cells. Vehicle travel on alternative daily covers (ADC) is not allowed and BUD material must not be tracked outside of the landfill footprint.

40. The first layer of refuse placed above the leachate collection layer must be a minimum of five feet in compacted thickness, and be of a select nature containing no large, rigid or sharp objects or other wastes which could penetrate the liner system. During placement of this select lift, landfill personnel must be stationed on the liner system to continuously observe the select waste as it is being placed. All unacceptable material shall be removed. The top of this five foot layer shall be covered with an approved daily cover. The leading face of the five foot layer may remain uncovered for up to 24 hours. Otherwise it must be covered with a DEC approved cover material. No sludges, construction and demolition debris, nonhazardous industrial waste, or other wastes which could blind or restrict the function of the drainage layer shall be placed within 10 feet of the top of the drainage layer.

41. **Except as noted in special condition 40 of this permit**, all waste shall be placed in two foot layers, with a maximum lift height of 10 feet and be compacted, with a minimum of three passes. The waste shall be placed at no greater than a 1 (V) to 3 (H) slope. A minimum of 6 inches of compacted soil or a Department approved thickness (more than 6" but less than 12") of an ADC, shall be placed at the completion of each day's operation on the top surface of the waste. At least twelve inches of compacted soil suitable for an intermediate cover shall be placed over all areas that will not receive wastes within 30 days. Before additional waste filling occurs in an area which has received daily or intermediate cover, the soil shall be scraped off and stockpiled for continued use as daily cover material. When the amount of waste contaminating the soil prohibits its use as cover, the soil shall be disposed in the landfill.

42. Fill elevations shall not exceed those shown on Drawings INT-1 through INT-4 of the "Hyland Facility Associates Landfill Expansion Plans" (see special condition 1.m. of this permit) without the written approval of the Department.

43. Truck dumping and disposal of municipal solid waste/non-hazardous industrial waste (not containing any municipal solid waste incinerator ash) will cease at the landfill if wind gust speeds exceed 60 MPH and will not restart until wind speeds have remained below 60 MPH for 30 minutes. **The measures outlined in the "Best Management Practices for Fugitive Dust Control" shall govern the disposal of all truck loads containing any municipal solid waste incinerator ash. These measures are triggered by one minute average wind speeds of 22 MPH.**

44. No drummed waste shall be placed in the landfill without prior written approval from the RSME.

45. The permittee shall not excavate waste (except for fire control, horizontal gas pipe placement and in events where waste is removed to allow stormwater/leachate to drain into the leachate collection system) without prior written approval from the RSME.

46. In addition to soil, the Department may approve, on a case-by-case basis, the use of wastes and contaminated soils for ADC. All ADCs that would be regulated under Part 364, must be transported by Department permitted Part 364 waste haulers. Requests for use of ADCs shall be submitted in writing to the RSME. In the event that a nuisance condition(s) develops from the use of ADCs, the RSME can rescind this approval without the need to modify this permit. The reuse of ADCs is prohibited. Vehicle traffic on ADCs is not allowed. Any storage of ADCs is limited to areas where runoff can be collected as leachate and where windblown materials will not land on intermediate and final cover areas. On an annual basis, the amount of approved waste used for ADC cannot exceed 20% of the annual waste receipts unless otherwise approved by the Department. Any ADC in excess of the 20% amount must be counted as waste, even if it is utilized as daily cover.

47. The permittee shall prevent standing water from accumulating in the active landfill area. An active landfill area is any area which does not have an intermediate, interim final or final cover. All runoff from active areas and/or areas with daily cover must be handled as leachate.

48. The facility must prevent the tracking of waste, BUD materials and/or cover material off-site. All landfill waste shall be removed from the exterior of all vehicles via washing, brushing, vacuuming, blowing and/or any other means necessary, prior to the vehicles leaving the landfill cell. In addition, a tire cleaning facility must remain operational at the facility to remove waste from the tires of trucks leaving the landfill. All waste trucks leaving the landfill cells must pass through the tire cleaning facility before leaving the site. The tire cleaning facility shall be operational during all hours when the landfill is receiving waste and the temperature is above freezing, unless otherwise approved by the Department. Failure to adequately control the off-site tracking of waste will require the permittee to immediately correct the problem and/or upgrade the tire cleaning facility.

49. Ash shall not be screened at the facility.

50. Proper fencing shall be erected in the appropriate locations to minimize windblown litter leaving the landfill proper. Portable fences shall be utilized near the working face to control litter as well.

Landfill Monitoring

51. An automatic precipitation monitor and a remote alarm system shall be operational during non-operating hours. If precipitation exceeds a total of 3/4 inches (water equivalent) during a non-operating period, an alarm shall be remotely communicated to the Emergency Coordinator or the Alternate Emergency Coordinator. Within thirty minutes, said personnel shall be at the landfill facility conducting an inspection. The inspection shall determine and record the functioning and condition of the stormwater conveyance and detention systems, leachate pumping and storage systems and landfill cover and cell drainage systems. Contingency Plan (see special condition 1.1. of this permit) measures shall be initiated as necessary.

52. Random weekly inspections of incoming waste loads for unacceptable waste shall be conducted at the working face. The results of this inspection shall be logged and maintained on file at the landfill. Additional random inspections shall be performed as requested by the Monitor.

53. Self inspections of the landfill and operations shall be performed on a weekly basis. The results of the inspection shall be recorded, as well as any remediation necessary to correct the problem. All reports of inspections and remedial efforts shall be maintained on file at the landfill.

54. If MSW incinerator ash is received at the facility, the permittee shall implement an on-site testing program of random loads to confirm that the moisture content of the incoming ash meets the required nineteen percent (by weight) minimum to reduce the possibility of transport of fine particle ash from the landfill by the wind. For each facility at least one (unaltered) load a week shall be sampled through its entire depth and analyzed in accordance with procedures for "Residue-Total-Gravimetric" (Method 106.3) published in "Methods for Chemical Analysis of Water and Wastes" USEPA-600/4-79-20 March, 1979, revised March, 1983. Within 24 hours of a sample's failure to meet the moisture content requirement, the permittee shall:

    a. notify the Monitor and/or RSME;

    b. initiate sampling and analysis for moisture content of all loads (unaltered) from that facility, and;

    c. implement contingency watering of loads from that facility.

    Items a, b and c shall continue until otherwise advised in writing by the Monitor or the RSME.

Monitoring and Maintenance of the Leachate Collection, Transfer and Storage System

55. Prior to operation of any subcell, the integrity of the primary leachate collection pipes in the landfill must be verified by passing a cleaning device through them. **After placement of five feet of select waste as a first lift and placement of a second lift, no more than 10 feet in height over the first lift, the integrity of the pipes shall be re-verified by passing a cleaning device through them.** These results shall be forwarded to the RSME, in writing, within 30 days. The Monitor shall be notified at least five days in advance of the verification activities.

56. Once a minimum of 15 feet of waste has been placed across the cell floor, the primary collection lines must be videoed to verify their integrity. The Monitor shall be notified at least five days in advance of the verification activities. The video inspection shall be recorded and kept on file at the landfill. A written summary of the video inspection shall be provided to the RSME within 30 days of completion of the video inspection.

57. Spare pumps shall be available at the facility to replace any pump which fails in the leachate and groundwater management systems.

58. The pump on and off elevations for the pumps in the leachate sumps shall be posted on the readout panels located in the electrical utility sheds at each sideriser.

59. If the quantity of fluid collected in the landfill secondary collection system exceeds the allowable primary liner system leakage rate threshold of 20 gallons per acre per day (30-day average), the procedures referenced in the provisions of Part 360-2.10(b)(2), as well as the permittees Contingency Plan (see special condition 1.l. of this permit), shall be complied with. In addition, the permittee shall collect a sample from the secondary collection system within 7 days for analysis. This sample shall be analyzed at a New York State Health Department ASP certified laboratory for 6 NYCRR Part 360 baseline parameters. If the excessive flow is determined to be leachate, additional sampling of the groundwater suppression system for that cell for baseline parameters shall be conducted in conformance with the facility's Contingency Plan. The Department may require additional testing of the secondary and ground water suppression systems, as well as sampling of downgradient monitoring points, depending on the results of the initial testing, as specified in the Contingency Plan. The Department reserves the right to require, if warranted by the analytical results, that the groundwater suppression system be directly monitored by the use of in-place devices within the suppression system or at the outfalls to the sedimentation ponds. Surface water samples shall be collected from the sedimentation ponds. If the analytical data indicates that leachate has entered the groundwater suppression system, the Department may require installation and sampling of additional downgradient monitoring wells in the overburden and upper bedrock. The locations and number of wells must be approved by the Department prior to installation.

60. If, during operation of the leachate storage basin, flow in the secondary collection system of either bay of the leachate storage basins exceeds 5 gallons per day based on a 7 day average, the facility shall obtain a sample of the fluid within the secondary system of that bay within 7 days of this determination and immediately submit this sample to a New York State Health Department ASP certified laboratory for analysis of 6 NYCRR Part 360 baseline parameters. In addition, all fluid shall be removed from the bay where the excess leakage occurred, and no further liquid shall be directed to that bay until the source of the leakage has been determined and repairs have been made.

61. To comply with 6 NYCRR Part 360-2.11(c)(3)(ii), analysis of leachate in the primary and secondary collection and removal systems must be performed semiannually for expanded parameters [Part 360-1.2(b)(60)/Part 360-2.11(d)(6)].

62. The fluid flow into the secondary leachate collection system of each landfill cell and each basin of the leachate storage ponds shall be quantitatively monitored and recorded daily. The quantity of fluid collected shall be reported to the RSME on a quarterly basis. A sample of the fluid collected shall be analyzed as detailed in the Environmental Monitoring Plan (see special condition 1.j. of this permit).

63. Leachate shall be managed in accordance with the Leachate Management Plan (see special condition 1.b. of this permit) until the new leachate management facilities associated with cells 3 through 5 are constructed. From that point forward, leachate shall be managed in accordance with the Leachate Management Plan contained in the Operation and Maintenance Manual (see special condition 1.l. of this permit). The pump stations, leachate storage ponds and leachate storage tanks shall be inspected and the leachate level recorded daily. The leak detection system for the leachate storage tanks will be inspected at least weekly. All sumps/manholes shall be equipped with lightweight covers for easy access.

64. The leachate collection pipes in the primary drainage layer shall be cleaned twice annually. Upon cleaning and removal of obstructing debris from the pipes, each pipe shall be flushed with a minimum of 1,000 gallons of water. The pipes shall be cleaned from the uppermost portions of the cells to the bottom, in order that cleaning and flushing will move all solids to the leachate side risers. Additionally, the pipes shall be cleaned as many times as deemed necessary by Department staff to maintain the pipe in a clean and efficient operating condition. The leachate transfer pipes (between the landfill and the leachate storage facility) shall be cleaned annually. Written documentation of the cleaning shall be submitted to the RSME within 30 days of completion of the cleaning. The Monitor shall be notified at least five days prior to the cleaning.

65. Annually, all of the leachate transfer, storage and load-out facilities must be emptied for cleaning and maintenance. These facilities include, but are not limited to, leachate storage tanks, the spill tank, all leachate manholes, siderisers and sumps and the concrete leachate load-out platform. The leachate transfer, storage and load-out facilities must be emptied and inspected for deterioration. All deterioration that may adversely affect the operation of the facility must be repaired. Accumulated sediment in these structures must be removed. Written documentation of the cleaning shall be submitted to the RSME within 30 days of completion of the cleaning. The Monitor shall be notified at least 5 days prior to the cleaning.

66. Annually, each leachate storage basin shall be emptied and inspected for solids build up. If necessary to ensure proper operation of the basin, the solids shall be removed.

67. The interior of the landfill primary leachate collection piping, shall be videoed once every two years. This includes the primary leachate collection sumps. The Monitor shall be notified a minimum of 5 days prior to beginning the video inspection. The video inspection shall be recorded and maintained on file at the landfill. A written summary of the inspection shall be submitted to the RSME within 30 days following completion of the video inspection.

Groundwater and Surface Water Monitoring

68. Prior to operation of Cell 3, 4 or 5, the results of the additional groundwater monitoring of the wells associated with the monitoring program for that cell, and the accompanying statistical analysis, must be submitted to the Department in accordance with the approved Environmental Monitoring Plan (see special condition 1.j. of this permit).

69. The monitoring program for Cells 1 through 5 shall be in accordance with the documents referenced in special conditions 1.j. and 1.k. of this permit.

70. The water quality monitoring schedule shall be baseline analysis, then four routine analyses in a row, then baseline again, in order to effectively rotate the baseline analyses from quarter to quarter. Part 360-2.11(c)(5)(ii)(a) requires at least one baseline parameter analysis must be performed during each calendar year. Since this rotation method will sometimes result in one calendar year without a baseline analysis, an extra baseline analysis must be performed in these instances.

71. Water quality monitoring data must be reported as required by Part 360-2.11(c)(5)(iv) within 90 days of the sampling date to the parties listed in special condition 85 of this permit.

72. Surface water from the sedimentation ponds and perimeter ditch and groundwater shall be analyzed quarterly for the parameters listed in the Environmental Monitoring Plan (see special condition 1.j. of this permit).

73. If potential contamination of surface water is suspected during facility operation due to leachate breakouts, severe erosion of intermediate/final cover, leaking of leachate from vehicles, presence of waste exterior to the landfill cells, or other physical evidence of waste release, the surface water shall be contained and shall be sampled and tested for non-toxicity test parameters listed in Part V.B.2.c. of the "SPDES General Permit for Storm Water Discharge Associated with Industrial Activity". Prior arrangements with a laboratory(ies), etc. shall be made to assure the availability of test results within 7 days. If the results exceed surface water quality standards of 6 NYCRR Part 703, the surface water shall be considered "contaminated" and handled in accordance with the Contingency Plan (see special condition 1.l. of this permit). These measures are in addition to surface water monitoring requirements of the Environmental Monitoring Plan (see special condition 1.j. of this permit). If testing shows an exceedance of groundwater effluent standards of 6NYCRR Part 703.6 in the surface waters capable of entering the Cuba Formation (i.e waters from the perimeter drainage ditch over or directly upstream of the underlying Cuba Formation), then contingency water quality monitoring pursuant to 6NYCRR Part 360-2.11(c)(5)(iii) shall be initiated in the Cuba Formation.

74. Within 6 months of confirming the entry of contaminants (as determined by special condition 53 of this permit) into the groundwater suppression system, additional groundwater monitoring wells shall be constructed to supplement existing monitoring of both the downgradient overburden deposits and the upper bedrock. The locations and number of wells shall be accepted by the RSME prior to their construction.

75. If any organic or inorganic parameter is found in the groundwater at a significant increase from existing water quality as set forth in Part 360-2.11(c)(5)(ii)(d)(2) and in the Environmental Monitoring Plan (see special condition 1.j. of this permit), and it cannot be demonstrated that the contamination is derived from a source other than the facility, then a Contingency Water Quality Monitoring Plan shall be implemented in accordance with Part 360-2.11(c)(5)(iii).

76. If waste constituents are consistently present in the groundwater monitoring wells described in this permit below the statistical "trigger" levels, the Department may require the permittee to perform additional sampling and install additional wells to determine whether the constituents originate in the landfill.

77. If the permittee or the RSME determines that the groundwater monitoring program required by this permit no longer satisfies the requirements of 6 NYCRR Part 360, the permittee must, within 90 days, submit an application for a permit modification which describes the change(s) that will be necessary to maintain regulatory compliance at the site.

78. The permittee shall conduct monitoring of hydraulically downgradient, residential water supplies within one mile of the project site upon request of the property owner.

Closure

79. The landfill shall be properly closed in accordance with 6 NYCRR Part 360-2.15 and the approved Final Closure Plan to be submitted in accordance with special condition 20 of this permit. The height of the finished landfill is limited to a maximum elevation of 2083 feet based on the USGS datum (1929 survey). The final topography shall conform to those elevations shown on Sheet 8 of the plans entitled "Hyland Facility Associates Landfill Expansion" (see special condition 1.m. of this permit).

Post-Closure

80. The facility shall be monitored and maintained in accordance with 6 NYCRR Part 360-2.15(k) and the approved Post-Closure Plan to be submitted with the Closure Plan in accordance with special condition 20 of this permit. The period of post-closure care shall continue until at least 30 years have elapsed since solid waste was last deposited in any cell of the landfill.

81. All porewater drain systems shall continue to be maintained and operated throughout the life of the facility and the post-closure period unless otherwise approved by the Department.

82. Upon closure of Cell 5, the two secondary collection systems for this cell shall continue to be operated separately (not combined).

Quarterly/Annual Report

83. A Quarterly Report shall be prepared on activities occurring during the quarter in question (January 1 to March 31, April 1 to June 30, July 1 to September 30, October 1 to December 31) and must be submitted no later than 60 days after the last day of the quarter in question. All Quarterly Reports must be submitted on the forms provided by the Department (see attached) or electronically, as specified by the Department and shall also contain the following:

a. Amounts of waste (mixed municipal waste, water and wastewater sludges, nonhazardous industrial waste and sludges, ash(s), construction and demolition debris, asbestos, compost, yard waste and contaminated soil) received from each New York State county on a county by county basis, from the United States on a state by state basis and from outside the country on a nation by nation basis.

b. Report on receipt of unauthorized wastes received during the quarter (see special condition 38 of this permit).

c. The amount of leachate collected and hauled off-site on a daily basis and the disposal location. The daily logs of leachate level in the leachate storage tank shall be provided as well.

d. The amounts of liquid collected from the secondary collection system on a daily basis.

e. The monthly Action Leakage Rate for the secondary collection system of each cell or subcell of the landfills.

f. The date when liquid is detected in any leak detection location, including the amount of liquid removed from each location. This includes all leak detection locations including but not limited to those identified on the most recent approved weekly leachate inspection log.

g. The amount of ADC received during the quarter with a break down of how much was used, as well as the volume that is stockpiled on site.

h. Results from the monitoring of the gas monitoring wells around the perimeter of the landfill.

i. The analytical results for any condensate samples collected during the quarter being reported.

j. The amount of condensate collected, the disposal location and the number of gas extraction wells/laterals in operation.

k. The amount of groundwater removed from each groundwater suppression system on a weekly basis. After Cell 5 is constructed, a flow rate shall be determined once per week. Weekly measurements shall occur during the operational life of the landfill and not during post-closure.

l. The number of trucks delivering waste and ADC material to the site each day.

m. The amount of BUD material (drainage/ADC/road) delivered to the site each day, amount of material used and amount stored.

84. An Annual Report must be prepared on activities occurring during the calendar year and must be submitted no later than March 1 of the following year. The annual report must be submitted on forms provided by the Department (see attached) or electronically, as specified by the Department. The Annual Report shall contain all the information required in Part 360-2.17(t) and the following:

a. Amounts of waste (mixed municipal waste, water and wastewater sludges, nonhazardous industrial waste and sludges, ash(s), construction and demolition debris, asbestos, compost, yard waste and contaminated soil) received from each New York State county, on a county by county basis, from the United States, on a state by state basis and from outside the country, on a nation by nation basis.

b. Copies of current and up-to-date contracts with a minimum of 2 wastewater treatment facilities for the disposal of leachate for the up-coming year. In addition, copies of current and up-to-date contracts with the back-up hauler for the upcoming year shall be provided.

c. Any changes to the Fill Progression Plan or modifications to the landfill.

d. An updated cost estimate for closure/post-closure activities to reflect inflation and/or any changes that may impact closure or post-closure.

e. An updated topographic map (based on Fall conditions) of the site. Included with the topographic map shall be a discussion on the amount of waste received, the remaining volume/life of the site and a soil balance for the site. The soil balance shall include: the amount of soil required for cover, closure and other activities; the amount of soil remaining in the permitted borrow area; and the amount of soil that needs to be imported.

f. Unusual events or accidents at the landfill and responses taken by landfill personnel.

g. Any changes in water quality which have occurred throughout the report year and a summary of the water quality information.

h. Any approved changes from the approved plans, reports and specifications or permit, along with a justification for the change.

i. Summary Report for the active landfill gas collection system including the amount of gas burned and condensate collected.

j. A detailed plan covering the next three years of operation and construction activities. The plan shall indicate which areas will be constructed, operated and/or closed. A schedule for all activities shall be included.

85. Quarterly and Annual Reports shall be submitted to the following:

NYSDEC
Division of Solid & Hazardous Materials
625 Broadway
Albany, NY 12233

NYSDEC
270 Michigan Avenue
Buffalo, NY 14203-2999
Attn: Regional Solid Materials Engineer

Financial Surety

86. In accordance with 6 NYCRR Part 360-1.12 and Part 360-2.19, the permittee shall maintain a financial surety acceptable to the RSME for closure and for a minimum of 30 years of post-closure monitoring and maintenance.

87. Within 60 days of Department approval of the annual revised closure and post-closure estimates provided in accordance with special condition 84.d. of this permit, a revised financial surety(s) shall be submitted (if needed) to the RSME.

DEC Environmental Monitor (Monitor)

88. The previously established account to fund Environmental Monitoring activity at the permittee's facility shall be maintained with the Department. This funding shall be used to monitor the Hyland Landfill.

The Monitor will monitor the above-noted facility for compliance with its Solid Waste Management Facility Permit, 6NYCRR Part 360 and other Department permits and regulations applicable to the facility. As required, the Monitor will assist in any legal enforcement activities resulting from the monitoring activities. The Monitor will also review permit applications, engineering reports, construction certifications and applications for waste stream approval.

The requirements of the environmental monitoring account are as follows:

a. Funds as required to support the monitoring requirements shall be provided to the Department for funding of environmental compliance activities related to the operation of the permittee's facility. This sum is based on annual Monitor service costs and is subject to annual revisions. Subsequent annual payments shall be made for the duration of this permit to maintain an account balance sufficient to meet the next year's anticipated expenses. The permittee shall be billed annually for each fiscal year (April 1 to March 31) beginning April 1. Upon receipt of the Department's bill, the permittee shall make payment 30 days in advance of April 1.

b. The Department may revise the required payment on an annual basis to include all costs of monitoring to the Department. The annual revision may take into account factors such as inflation, salary increases, changes in operating hours and procedures and the need for additional Monitors and supervision of such Monitors by full-time Monitor supervisors. Upon written request by the permittee, the Department shall provide the permittee a written explanation of the basis for any modification. If such a revision is required, the Department will notify the permittee of such revision no later than 60 days in advance of any such revision.

c. Prior to making its annual payment, the permittee will receive and have an opportunity to review an annual work plan that the Department will undertake during the year.

d. Payments are to be in advance of the period in which they will be expended.

Other Conditions

89. The permittee agrees, by acceptance of this permit, that authorized Department representatives have a full right of entrance, inspection and review of records pertaining to landfill operation and maintenance and all information pertaining to waste receipts during normal operating hours; and following 48 hours notice, such other hours as may be deemed necessary by the Department.

90. This permit does not relieve the permittee from the responsibility of complying with other Federal, State and/or local laws, rules and regulations.

91. Upon transfer of ownership of this facility, provisions shall be included in the property deed stating the period of time during which the property was used as a landfill and a description of the waste contained therein. The fact that records, including the limits of the landfill waste within the property and describing the length of time the property was used as a landfill and a description of wastes disposed of on-site, are on file with this Department shall also be noted on the deed. This deed shall be filed with the Allegany County Clerk's Office.

92. If any condition of this permit conflicts with the approved reports and plans identified in special condition 1 of this permit, the permit conditions shall prevail over the plans unless specific written approval for such a change is obtained from the Department prior to implementation.

93. Where there are conflicts between elements of the approved plans, the most recently dated approved element shall prevail with respect to the conflicting material.

94. This permit supersedes all previously issued Solid Waste Management Permits and Permit Modifications for this facility.

95. In the event of an emergency, including but not limited to fires, explosions, waste spills on-site or known waste spills en route to the landfill, the RSME or the Monitor shall be notified of the emergency immediately. The details of the incident and the remediation or corrective action(s) taken shall be described in writing to the RSME within five working days of the incident.

96. The landfill owner/operator, both present and future, must comply with the terms and conditions of the visual assessment agreement found in the Draft Supplemental Environmental Impact Statement.

97. This permit is authorized pursuant to the 6 NYCRR Part 360 Solid Waste Management Facilities, Title 6 of the Official Compilation of Codes, Rules and Regulations, effective November 26, 1996, in accordance with the New York State Environmental Conservation Law.

Water Quality Certification

98. The NYS Department of Environmental Conservation hereby certifies that the subject project will not contravene effluent limitations or other limitations or standards under Sections 301, 302, 303, 306 and 307 of the Clean Water Act of 1977 (PL 95-217) provided that all of the conditions listed herein are met. This certification is authorized based on strict conformance with the approved plans as noted in special condition 1.n of this permit.

99. Siltation prevention measures, such as silt fencing, sediment traps or settling basins, shall be installed and maintained during the project, to prevent movement of silt and turbid waters from the project site and into any watercourse, stream, water body or wetland.

APPROVED PLAN SHEETS FOR HYLAND LANDFILL
CONSTRUCTION DRAWINGS FOR CELL NO. 1 AND 2 GAS COLLECTION PLAN
PREPARED BY BARTON & LOGUIDICE, P.C.

Drawing #	Title	Date	Last Revised
574-048-01F	Title Sheet	4/2005	6/2005
574-048-02F	Proposed Gas Collection Plan	4/2005	6/22/2005
574-048-03F	Proposed 2005 Gas Collection Construction Plan	4/2005	6/22/2005
574-048-04F	Gas Extraction Details (Sheet 1 of 2)	4/2005	6/22/2005
574-048-05F	Gas Extraction Details (Sheet 1 of 2)	4/2005	6/22/2005
574-048-06F	Electrical Site Plan and Details	5/2005	5/27/2005

APPROVED PLAN SHEETS FOR HYLAND LANDFILL
HYLAND FACILITY ASSOCIATES LANDFILL EXPANSION
LANDFILL GAS COLLECTION SYSTEM
PREPARED BY BARTON & LOGUIDICE, P.C.

Drawing #	Title	Date	Last Revised
LFG-1	Proposed Vertical Extraction Well Plan	August 2005	
LFG-2	Proposed Horizontal Collector Plan	August 2005	
LFG-3	Gas Extraction Details (Sheet 1 of 2)	August 2005	
LFG-4	Gas Extraction Details (Sheet 1 of 2)	August 2005	
LFG-5	Horizontal Gas Collection Trench Details	August 2005	10/27/05
LFG-6	Condensate Handling Details	August 2005	
LFG-7	Intermediate Cover Gas Extraction Details	August 2005	
LFG-8	Blower Skid and Flare Details	August 2005	

APPROVED PLAN SHEETS FOR HYLAND LANDFILL
HYLAND FACILITY ASSOCIATES LANDFILL EXPANSION
PREPARED BY SANBORN, HEAD ENGINEERING, P.C.

Drawing #	Title	Date	Date Last Revised
	Title Sheet		
1	Overall Site Plan	March 2006	
2	Regional and Vicinity Plans	March 2006	
3	Bedrock Separation Plan	March 2006	
4	Bedrock Contour Plan	March 2006	
5	Subgrade Plan	March 2006	
6	Secondary Liner Plan	March 2006	
7	Primary Liner Plan	March 2006	
8	Final Cover Plan	March 2006	
9	Sump Plan Details	March 2006	
10	Sump Plan Details	March 2006	
11	Sump Sections	March 2006	
12	Sump Sections	March 2006	
13	Sump Sections	March 2006	
14	Sump Sections	March 2006	
15	Sump Sections	March 2006	
16	Liner System Details	March 2006	
17	Liner System Details	March 2006	
18	Liner System Details	March 2006	
19	Liner System Details	March 2006	
20	Liner System Details	March 2006	
21	Surface Impoundment Plan, Section and Details	March 2006	
22	Surface Impoundment Sump Details and Section	March 2006	
23	Surface Impoundment Sump Details and Section	March 2006	
24	Surface Impoundment Details	March 2006	
25	Surface Impoundment Details	March 2006	
26	Surface Impoundment Details	March 2006	
27	Surface Impoundment Details	March 2006	
28	Surface Impoundment Details	March 2006	
29	Leachate Force Main Discharge Details	March 2006	
30	Side Riser Building Details	March 2006	
31	Side Riser Building Details	March 2006	
32	Side Riser Building Details	March 2006	
33	Side Riser Building Details	March 2006	
34	Side Riser Building Details	March 2006	
35	Side Riser Building Details	March 2006	
36	Leachate Force Main Details	March 2006	
37	Capping System Details	March 2006	
38	Capping System Details	March 2006	
39	Erosion Control Measures	March 2006	

APPROVED PLAN SHEETS FOR HYLAND LANDFILL
HYLAND FACILITY ASSOCIATES LANDFILL EXPANSION
PREPARED BY SANBORN, HEAD ENGINEERING, P.C.

Drawing #	Title	Date	Last Revised
40	Erosion Control Measures	March 2006	
41	Erosion Control Measures	March 2006	
42	Erosion Control Measures	March 2006	
43	Anticipated Capping Sequence Plan	March 2006	
44	Detention Basin Plans and Profiles	March 2006	
45	Detention Basin Plans and Profiles	March 2006	
46	Detention Basin Plans and Profiles	March 2006	
INT-1	Cells 1 and 2 Interim Grading Plan	March 2006	
INT-2	Cell 3 Interim Grading Plan	March 2006	
INT-3	Cell 4 Interim Grading Plan	March 2006	
INT-4	Cell 5A Interim Grading Plan	March 2006	
INT-5	Interim Details	March 2006	
INT-6	Interim Details	March 2006	
INT-7	Interim Details	March 2006	
INT-8	Interim Details	March 2006	
INT-9	Interim Details	March 2006	

Attachments

Distribution List:

Mr. Mark Hans, Region 9 Division of Solid & Hazardous Materials
Mr. David Stever, Region 9 Division of Legal Affairs
Mr. Gerard Palumbo/Mr. T. S. Manickam, Region 9 Division of Water
Mr. Eugene Sciascia/Ms. Connie LaPort, Region 9 Division of Air
Mr. Jeffrey Schmitt, Division of Solid & Hazardous Materials, Albany
The Honorable Robert Jones, Town of Angelica Supervisor (2 copies)

MH/MH/File

New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7220 • **FAX:** (716) 851-7226
Website: www.dec.state.ny.us

Oil
Releasable x 02517
Non-Releasable

Erin M. Crotty
Commissioner

June 17, 2003

Mr. Joseph Boyles, Staff Engineer
Hyland Facility Associates
6653 Herdman Rd.
Angelica, N.Y. 14709

Dear Mr. Boyles:

Hyland Landfill
Generic Approvals
Virgin Petroleum Contaminated Soils

The Department is in receipt of your June 4, 2003 request for generic approval to receive contaminated debris, including but not limited to soil, sand, speedy dry, sorbent pads, wipes and booms resulting from the spill/seepage and clean up of virgin crude oil and virgin petroleum products (#2 fuel oil and higher). Tank bottoms from the storage of virgin petroleum products (#2 fuel oil and higher) and crude oil would also be included.

Approval to accept these materials under a generic Application for Treatment or Disposal of an Industrial Waste Stream (form 47-19-7, or approved equal) will be granted contingent on the following:

1. A complete and signed copy of the Application for Treatment or Disposal of an Industrial Waste Stream is obtained.

2. Written certification is obtained to verify that the material spilled in indeed a virgin product, petroleum or otherwise.

3. A written lab test is obtained certifying that the contaminated material has a flashpoint greater than 140°F (chain of custody form must accompany lab results).

4. A written lab test is obtained certifying that the contaminated material is not hazardous due to benzene using TCLP (chain of custody form must accompany lab results).

5. For gasoline contaminated soils suspected of containing lead: A written lab test is obtained certifying that the contaminated material is not hazardous due to lead using TCLP (chain of custody form must accompany lab results).

6. All certifications and data must be available at the landfill prior to the receipt of waste.

7. This certification and testing data, verifying that the waste being disposed of at your site is indeed non-hazardous, shall be maintained on file at the landfill office for a minimum of three years. The files shall be subject to review by DEC representatives upon request, during normal business hours.

The frequency of testing should conform to guidelines previously established by Hyland Landfill and this Department. As always, the waste stream must contain a minimum of 20% solids.

If you should have any questions, please contact this office at (716)-851-7220.

Sincerely,

Chad Staniszewski

Chad Staniszewski
Environmental Engineer I

CS:cs
chad\boyles6.ltr

cc: Mr. Mark Hans, Regional Solid Materials Engineer
Mr. Kevin Hintz, Environmental Engineer II

New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Albany, New York 12233-7250

ACTIVE (SANITARY, INDUSTRIAL, OR ASH) LANDFILL

Annual/Quarterly Report

For use of this form as an Annual Report, complete line A and complete Sections 1 through 11 and 16 through 17. The Annual Report form is to be used to meet annual reporting requirements (excluding results from annual sampling events which require the use of the Quarterly Report form as noted in the following paragraph). Submit the Annual Report no later than 60 calendar days after the first day of January following each year of operation.

For use of this form as a Quarterly Report, complete line B and complete Sections 1 and 12 through 19. The Quarterly Report form is to be used for reporting of quarterly, semiannual, or annual results from each sampling event without regard for whether the sampling event is required on a quarterly, semiannual, or annual basis. Submit the Quarterly Report no later than 60 days after the last day of each calendar quarter or within 90 days of the conclusion of sample collection if Site Analytical Plan requirements must be met.

For use of this form as a combined Annual Report and a Quarter 4 Report, complete both lines A and B and complete all Sections.

Reporting of the information indicated on this Active Landfill Annual/Quarterly Report form is required pursuant to 6 NYCRR 360-1.4(c); 360-1.8(e)(1)(ii); 360-1.14(e)(2), (i)(1); 360-2.9(j)(3); 360-2.11(c)(5)(iv), (d)(5), (d)(6); 360-2.14(a)(2)(vi); 360-2.17(a), (t); 360-2.19(b)(1)(ii), (c)(1)(ii), (d)(1)(i); 360-6.5(d); and 360-8.1. Failure to provide the required information requested is a violation of Environmental Conservation Law. Timely submission of a properly completed form to the Department's Regional Office that has jurisdiction over your facility and to the Department's Central Office is required to meet the standard Annual/Quarterly Report requirements of 6 NYCRR Part 360.

Where the standard Annual/Quarterly Report requirements for an active landfill have been waived, Sections 1 and 19 must be completed and submitted with a copy of the Department's written notification which allows the waiver.

Where the standard Annual/Quarterly Report requirements have been modified, appropriate Sections (as necessary to reflect the modification) must be completed and submitted with a copy of the Department's written notification which allows the modification.

Entries on the report forms should be either typewritten or neatly printed in black ink. Attach additional sheets if space on the pages is insufficient or supplementary information is required or appropriate.

Please note that where reference is made to a "Quarter" such as in line B, Quarter 1 is from January 1st to March 31st, Quarter 2 is from April 1st to June 30th, Quarter 3 is from July 1st to September 30th and Quarter 4 is from October 1st to December 31st.

For purposes of estimating tonnage where only the volume is known, assume each cubic yard of construction and demolition debris is equivalent to 0.75 tons of solid waste, each cubic yard of compacted solid waste is equivalent to 0.5 tons, and each cubic yard of uncompacted solid waste is equivalent to 0.1 tons.

This form may be reproduced locally as required.

Annual/Quarterly Report

A. Annual Report for the year of operation from _____, 20_____ to _____, 20_____.

B. Quarterly Report for: ___Quarter 1 ___Quarter 2 ___Quarter 3 ___Quarter 4

SECTION 1
Owner/Facility Information

Facility Name_____NYSDEC Activity Code #_ _ _ _ _

Facility Location_____ State ____ Zip _____

Facility Contact _____ Phone # (_____)_____-_____
Fax # (_____)_____-_____

Town _____County _____NYSDEC Region # ___

360 Permit # _-_ _ _ _-_ _ _ _ _/_ _ _ _ _-_ Issued__/ __/ __ Expires__/__/__

Owner Name _____ Phone # (_____)_____-_____

Mailing Address _____ State ____ Zip _____

SECTION 2
Site Life

1. What is the remaining life of the existing constructed landfill? _____ Years _____ Months At _____ Tons Per Year

   What is the corresponding capacity? _____ Cubic Yards of Airspace

2. What is the estimated landfill capacity utilized for the year? _____ Cubic Yards of Airspace

3. What is the estimated in situ waste density?_____ Tons/Cubic Yard

4. What is the projected life of the entitled undeveloped landfill capacity authorized under a permit? _____ Years _____ Months At _____ Tons Per Year

   What is the corresponding capacity? _____ Cubic Yards of Airspace

5. What is the estimated landfill capacity of any proposed expansion area not authorized under a permit? _____ Cubic Yards of Airspace

SECTION 3
Primary Leachate

Enter the quantity of *primary leachate that was collected and removed for treatment each month:

*Note: for double-lined landfills this should not include the volume of leachate collected from secondary leachate collection and removal systems

	Leachate Collected (Gallons)	Treated On Site (Gallons)	Treated Off Site (Gallons)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
ANNUAL			

Name of off-site leachate treatment facility(s) utilized: _____

Does the facility have a constructed liner and a leachate collection system?

_____Yes _____No

Acreage of the lined area from which leachate is collected: _____acre(s)

Submit (attached to this form) a copy of the maintenance logs which document compliance with the Operation and Maintenance Manual's schedule for the routine annual flushing and inspection of the primary leachate collection and removal system. List required submissions that have been attached to this form or the reason for not attaching a required piece of information: _____

Submit (attached to this form) a tabulated compilation of the semi-annual primary leachate quality data collected throughout the year including a summary comparing this year's data with the previous year's data and a summary discussion of results. This list should identify sample location(s) and method of analysis. List required submissions that have been attached to this form or the reason for not attaching a required piece of information:

SECTION 4
Secondary Leachate

Does landfill have a double liner system with a secondary leachate collection and removal system? _____Yes_____No

If yes, enter the quantity of secondary leachate that was collected and removed for treatment each month:

	Leachate Collected (Gallons)	Treated On Site (Gallons)	Treated Off Site (Gallons)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
ANNUAL			

Acreage of the lined area from which secondary leachate is collected:
_____acre(s)

Submit (attached to this form) a tabulated compilation of the semi-annual secondary leachate quality data collected throughout the year including a summary comparing this year's data with the previous year's data and a summary discussion of results. This list should identify sample location(s) and methods of analysis. List required submissions that have been attached to this form or the reason for not attaching a required piece of information:

_____

_____

_____

_____

_____

Leachate Cost: (including transportation if appropriate) during the calendar year for leachate treatment: $_____ Total quantity treated: _____ gal

SECTION 5
Alternative Daily Cover

For each type of waste material that the Department has approved for use as alternate daily cover, intermediate cover, or other landfill material, provide the annual weight in tons and use (i.e., daily cover, intermediate cover, etc.)

Type of Solid Waste	Weight (tons/year)	Use
Aggregate/Concrete/Glass		
Wood/Wood Chips		
MSW/Wood Ash		
Compost		
Paper Mill Sludge		
Contaminated Soil		
Shredder Fluff		
Other (Specify:_____ _____)		
Total		

SECTION 6
Quantity of Solid Waste Disposed

Provide the tonnages of solid waste disposed of:
Tonnages were obtained by: _____ Scale Weight _____ Truck Count _____ Estimated
_____ Other (Specify: _____)

Type of Solid Waste	January (tons)	February (tons)	March (tons)	April (tons)	May (tons)	June (tons)
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)						
Construction & Demolition (C&D) Debris						
Asbestos Waste						
Industrial Waste (Including Industrial Process Sludges)						
Ash (Coal)						
Ash (MSW Energy Recovery)						
Sewage Treatment Plant Sludge						
Petroleum Contaminated Soil						
Other (Specify:_____ _____)						
Total Tons Disposed						

SECTION 6 (Cont.)
Quantity of Solid Waste Disposed

Provide the tonnages of solid waste disposed of:
Tonnages were obtained by: _____ Scale Weight _____ Truck Count _____ Estimated
_____ Other (Specify: _____)

Type of Solid Waste	July (Tons)	August (Tons)	September (Tons)	October (Tons)	November (Tons)	December (Tons)	Total Year (tons)	Daily Avg. (tons)
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)								
Construction & Demolition (C&D) Debris								
Asbestos Waste								
Industrial Waste (Including Industrial Process Sludges)								
Ash (Coal)								
Ash (MSW Energy Recovery)								
Sewage Treatment Plant Sludge								
Petroleum Contaminated Soil								
Other (Specify: _____)								
Total Tons Disposed								

Tipping fee

Tipping Fee: _____ $/ton

For each type of waste below, indicate the tipping fee if different:

Mixed Municipal Solid Waste (Residential, Institutional & Commercial) ____ $/ton
Construction and Demolition (C&D) Debris ____ $/ton
Asbestos Waste ____ $/ton
Industrial Waste (Including Industrial Process Sludges) ____ $/ton
Ash (Coal) ____ $/ton
Ash (MSW Energy Recovery) ____ $/ton
Ash (Incinerator, Sewage Sludge, Other Sludge, Wood & Other) ____ $/ton
Petroleum Contaminated Soil ____ $/ton
Other (Specify: _____) ____ $/ton

Facility's Service Area

Identify the facility's service area by indicating the type of solid waste received, and the (county, state) or (province, country) from where waste received originates.

Transport (check all that apply): __ Road __ Rail __ Water __ Other _____

Type of Solid Waste	County or Province	State or Country	Tons

SECTION 7
Unauthorized Solid Waste

Has unauthorized solid waste been received at the Landfill during the reporting period?

_____ Yes _____ No

If yes, give information below for each incident (attach additional sheets if necessary):

Date Received	Type Received	Date Disposed	Disposal Method & Location

Waste in Place

Number of landfill sections: ____

Original* section used (years) from _____ to _____
Capped with approved final cover system Yes ___ No ___

Waste in Place: _____ Cubic Yards

Waste Type:

Mixed Municipal Waste	_____	Tons
Industrial Waste	_____	Tons
Sewage Treatment Plant Sludge	_____	Tons
Construction & Demolition Debris	_____	Tons
Asbestos Waste	_____	Tons
Ash	_____	Tons
Petroleum Contaminated Soil	_____	Tons

Next* section used (years) from _____ to _____ ; Capped Yes ___ No ___

Waste in Place: _____ Cubic Yards

Waste Type:

Mixed Municipal Waste	_____	Tons
Industrial Waste	_____	Tons
Sewage Treatment Plant Sludge	_____	Tons
Construction & Demolition Debris	_____	Tons
Asbestos Waste	_____	Tons
Ash	_____	Tons
Petroleum Contaminated Soil	_____	Tons

* If there are additional landfill sections, phases or cells, please attach to form providing above waste in place information.

SECTION 8
Material Recovered

For each type of solid waste recovered for recycling or composting, provide the annual weight in tons or the annual volume in cubic yards, AND indicate the main destination facility to which it was sent. Please write the name of the facility. "Recycled" is not an acceptable facility.

Note: If your facility is a registered Recyclables Handling & Recovery Facility please complete attached Annual Recyclables Handling & Recovery Facility Report instead of completing this Section.

Tonnages or cubic yards were obtained by: _____ Scale Weight _____ Truck Count _____ Estimated _____ Other (Specify: _____)

Type of Solid Waste Recovered	Weight or Volume (Indicate tons/year or cubic yards/year)	Name of Destination Facility
Paper		
Glass		
Plastic		
Metal Containers		
Bulk Metal		
Aluminum		
Asphalt		
Aggregate & Concrete		
Wood & Wood Chips		
Yard Waste		
Other (Specify: _____)		
Total Recovered		If you have BOTH tons and cubic yards of materials, skip the "Total Recovered' box.

For "Other" categories, please specify the material. Add additional sheets, if necessary.

Is the transfer station authorized to handle recyclable material? __ Yes ___ No

Is the transfer station authorized to process construction and demolition (C&D) debris? __ Yes ___ No

SECTION 9
Cost Estimates and Financial Assurance Documents

Submit (attached to this form) any required cost estimates and financial assurance documents for closure, post-closure care, and applicable corrective measures, all reflecting adjustments for inflation to indicate updated dollars for the year of operation for which the Annual Report is made. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information: _____

SECTION 10
Changes

Identify any changes from approved reports, plans, specifications, permit conditions and fill progression plan with a justification for each change. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information: _____

SECTION 11
Summaries of "Comparing Data" and "Discussion of Results"

Submit (attached to this form) a summary of the water quality information presented in Sections 13 and 14 for the year of operation for which the Annual Report is made, noting any changes in water quality which have occurred throughout the year. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information: _____

SECTION 12
Analytical Results

Submit (attached to this form) a table showing the sample collection date, the analytical results [including all peaks even if below the Method Detection Limits (MDL)], designation of upgradient wells and location number for each environmental monitoring point sampled, applicable water quality standards, and groundwater protection standards if established, MDL's, and Chemical Abstracts Service (CAS) numbers on all parameters. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information: _____

SECTION 13
Comparing Data

Submit (attached to this form) tables or graphical representations comparing current water quality with existing water quality and with upgradient water quality. These comparisons may include Piper diagrams, Stiff diagrams, tables, or other analyses. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information: _____

SECTION 14
Discussion of Results

Submit (attached to this form) a summary of any contraventions of State water quality standards, significant increases in concentrations above existing water quality, any exceedances of groundwater protection standards, and discussion of results, and any proposed modifications to the sampling and analysis schedule necessary to meet the Existing, Operational and Contingency water quality monitoring requirements. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information: _____

SECTION 15
Data Quality Assessment

Submit (attached to this form) any required data quality assessment reports. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information: _____

SECTION 16
Surface Impoundments

Does this landfill have a surface impoundment? _____Yes _____No

If yes, there are separate water quality reporting requirements for surface impoundments. Namely, for each surface impoundment, repeat Sections 12 through 15 above for Quarterly Reports and Section 11 above for Annual Reports. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information: _____

SECTION 17
Permit/Consent Order Reporting Requirements

Are there any additional permit/consent order reporting requirements not covered by the previous sections of this form? _____Yes _____No

If yes, identify the reporting requirements with their respective responses below, attaching additional sheets as necessary. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:_____

_____

_____

_____

_____

SECTION 18
Landfill Gas

Does the landfill have a landfill gas collection & control system?
Yes ____ No ____

If Yes: Active ___ Passive ___

Number of Flares: _____

Type of Flare: Opened Flare _____ Enclosed Flare _____

Quantity of Gas collected and treated annually _____ mmcf*

Number of Internal Combustion Engines: _____

Quantity of Gas collected and treated annually _____ mmcf*

Does the landfill require a Title V Permit? Yes _____ No _____

Name of Landfill Gas Recovery Facility: _____

*mmcf (million cubic feet)

SECTION 19
Signature and Date By Owner or Operator

Owner or Operator must sign, date and submit one completed form with an original signature to:

New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Solid Waste, Reduction & Recycling
625 Broadway, 9th Floor
Albany, New York 12233-7253

and one copy with an original signature to the appropriate Regional Office. (See attachment for Regional Office addresses and Solid Waste Contacts.)

I hereby swear or affirm that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief.

_____ _____
Signature Date

_____ _____
Name (Print or Type) Title (Print or Type)

_____ _____
Address City

_____ (_____)_____-_____
State and Zip Phone Number

ATTACHMENTS: ____ YES ____ NO
(Please check appropriate line)