APPENDIX - E Division of Operations Stormwater Management Procedure

New York State

Department of Environmental Conservation

DIVISION OF OPERATIONS

STORMWATER MANAGEMENT PROCEDURE

CONSTRUCTION AND POST-CONSTRUCTION

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF OPERATIONS

STORMWATER MANAGEMENT PROCEDURE
CONSTRUCTION AND POST-CONSTRUCTION

The purpose of this document is to set forth a Procedure for stormwater management requirements on New York State Department of Environmental Conservation (DEC), Division of Operations (DOP) construction projects.

DEC is the construction site owner and operator and is responsible for compliance with the requirements of the State Pollution Discharge Elimination System (SPDES) Permit for Stormwater Discharges from a Construction Activity, (the General Permit). This Procedure seeks to achieve the following objectives:

- Require DOP construction projects to conform to the requirements of the General Permit.
- Meet the requirements of minimum control measures 4 and 5 of the State Pollution Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s), (the MS4 Permit).
- Control stormwater runoff rates and volumes, soil erosion and pollution from DEC construction projects wherever possible through stormwater management practices; and properly maintain these practices.

This Procedure applies to all DEC construction projects, whether designed by in-house staff or outside consultants and constructed either by Force Account staff or the Contractor. Copies of this Procedure shall be provided to consultants hired to design projects for which coverage under the General Permit is required.

1.0 PERMIT COVERAGE REQUIRED

As projects are planned by the various Program Units and Regional Force Account Staff within the Regions, a determination needs to be made if a General Permit is required. Appendix A-1 Project Criteria for Permit Determinations is a summary of information that needs to be reviewed during the evaluation of Permit applicability. If it is determined that a General Permit is required, technical assistance will be required to prepare the necessary Permit documents.

Coverage under the General Permit must be obtained prior to DEC initiating any construction activity that results in a soil disturbance of:

1. Over one (1) acre from construction activities, including clearing and grubbing, grading, excavation or placement of fill, demolition or stockpiling activities.
2. Less than one (1) acre where the Department has determined a General Permit is required based on potential for a violation of Water Quality Standards or significant contribution of pollutants to Surface Waters of the State. Conditions with a higher potential for problems include areas with slopes over 25% that are tributary to AA and AA-s streams. Stream classifications can be reviewed with Regional Fisheries staff or on the DEC website at http://www.dec.ny.gov/imsmaps/ERM/viewer.htm Coverage for AA Watersheds is also available from the DEC Interactive Stormwater Map at http://www.dec.ny.gov/imsmaps/stormwater/viewer.htm
3. Between 5,000 square feet and one (1) acre in watersheds identified in Appendix D of the General Permit. As of October 2008, the only area listed is the NYC Watershed East of the Hudson.
4. Projects located within the NYC Watershed East of the Hudson, Onondaga Lake Watershed and Greenwood Lake Watershed (as listed within Appendix C of the General Permit), that require a SWPPP, including post-construction stormwater management, shall be designed in conformance with the Enhanced Phosphorus Removal Standards in the NYS Stormwater Management Design Manual.

Project locations must be researched to see if they are within the boundaries of a Municipal Separate Stormwater System (MS4). Boundaries of MS4 areas can be reviewed on the DEC website at http://www.dec.ny.gov/imsmaps/stormwater/viewer.htm . If the project is within an MS4 area, coverage under the MS4 Permit must be obtained prior to DEC initiating any construction activity.

A variety of Maintenance Activities are exempt from the Permit requirement. These activities, while exempt from the Permit, should still incorporate Erosion and Sedimentation Control Measures to prevent Water Quality problems. Due to specific material requirements, most DEC roadway reconstruction projects over one (1) acre (2420 LF of 18 ft. wide roadway) will expose erodible soil and are not considered maintenance, thereby requiring a permit. There are a number of factors which must be considered to make this determination as listed in Appendix A-2 of this Document.

Permit coverage is obtained by submitting a Notice of Intent (NOI) to DEC. The construction activity is eligible for coverage following DEC's receipt of the NOI and review thereof under one of the following two conditions, whichever applies:

- Five business days if a SWPPP was prepared in conformance with DEC technical standards; or

- Sixty business days if the project was not designed in conformance with DEC technical standards.

2.0 PROJECT DESIGN REQUIREMENTS

2.1 Stormwater Pollution Prevention Plan

In accordance with the General Permit, DEC is required to develop and implement a Stormwater Pollution Prevention Plan (SWPPP) for any project that requires coverage under the General Permit.

Development of the SWPPP shall be an integral part of project design. The SWPPP shall be prepared in accordance with the requirements of the General Permit. The SWPPP must be prepared prior to filing of the NOI.

2.2 Technical Standards

The DOP's philosophy is to provide projects which require low maintenance, are energy efficient and sustainable. In concert with this philosophy Reduction in Runoff should be a goal during project development. Review of the practices in DEC Division of Water "Better Site Design Practices" for possible incorporation into a project design should be performed early in project development.

Under the General Permit, DEC has adopted the *New York Standards and Specifications for Erosion and Sediment Control* and the *New York State Stormwater Management Design Manual*, henceforth referred to as the Technical Standards, as the design standards for erosion and sediment control and permanent stormwater management practices.

DEC Operations Staff or Consultants will develop SWPPP's in accordance with the Technical Standards.

For construction of new facilities, the Technical Standards require the design of erosion and sediment control measures, establishing water quantity and water quality treatment practices.

For reconstruction of existing facilities where the redevelopment application criteria defined in Chapter 9 of the *New York State Stormwater Management Design Manual* are met, alternative sizing and selection of stormwater management practices may be used (see Appendix A-2 of the NYS Stormwater Management Design Manual Section 9.3.1).

Redevelopment Application Criteria apply where there is:

(1) An already impervious area reconstructed, and
(2) Inadequate space for controlling stormwater runoff from the reconstructed area, or
(3) Physical constraints of the site that do not allow meeting the required elements of the standard practices.

If redevelopment results in no increase of impervious area or changes to hydrology that increases the discharge rate, the 10-year, 100-year and Channel Protection Water Quantity criteria do not apply.

2.3 Deviations from the Technical Standards

Where compliance with the technical standards is impractical, DOP may propose acceptable deviations. Deviations from the technical standards must be approved by DEC. DOP shall coordinate with DEC Regional offices to determine what deviations are acceptable on a project-by-project basis. Any deviations are to be documented in the SWPPP.

The NOI provides a mechanism by which deviations from the Technical Standards are evaluated by DEC. The NOI and SWPPP must identify each deviation from the Technical Standards and the impact on water quality, if any. In addition, the SWPPP must include the reason for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is equivalent to the technical standard.

The linear nature of highway projects, limited right-of-way widths, existing adjacent development, the number and size of watersheds that may be involved, and the volumes of offsite stormwater runoff being intercepted by highway drainage systems, can provide challenges to meeting the requirements of the Technical Standards.

Additional guidance for designing stormwater management practices for highway and bridge construction projects can be found in Appendix B, Chapter 8 of the New York State Department of Transportation Highway Design Manual.

2.4 SWPPP Review Signature and Certification

The SWPPP shall undergo a Peer Review process internally within DOP. The Peer performing the review should utilize the Stormwater Pollution Prevention Plan Review Checklist in Appendix A-3.

The SWPPP shall be prepared by a Qualified Professional (person knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, licensed Landscape Architect or other Department endorsed individual).

The SWPPP must be completed prior to the NOI being signed and submitted to DEC.

2.5 Requirements for Filing the NOI

In accordance with the MOU between Operations and Water signed December 24, 2003, the NOI is to be signed by the Program Contact Person. The NOI must also be signed by a Qualified Professional certifying that the design of all stormwater management practices conform to the requirements of the General Permit.

3.0 SWPPP IMPLEMENTATION

3.1 Pre-Construction Meeting Documents

DEC shall conduct a preconstruction meeting attended by all parties involved in the construction of stormwater related activities. All attendees are required to read the preamble to site assessment and inspections contained in Appendix A- 4.

3.2 Contractor Certification Statement

Contractor(s) and Subcontractor(s) that are involved in earth disturbing activities are required to sign a copy of the certification statement provided in the Specifications. They shall also identify who their trained individual is who will be present on a daily basis when soil disturbance activities are being performed.

The certifications will be required from the Contractor during the contract award process. The certifications will be required from Subcontractors prior to approval of subcontract.

3.3 Stormwater Documents to be kept at Construction Site

A copy of the General Permit; NOI; NOI Acknowledgement Letter; SWPPP; MS4 Acceptance Letter, if applicable; SWPPP Updates; and, Stormwater Inspection Reports are to be retained at the job site during construction from the date of the start of construction to the date of final stabilization and the Notice of Termination has been submitted.

3.4 Pre-Construction Site Inspection

DEC shall conduct a pre-construction site inspection once all erosion and sediment controls are in place as required by the General Permit and complete the pre-construction site assessment checklist contained in Appendix A-4.

3.5 Construction Phase Inspection

DEC is responsible for inspecting the disturbed project areas that have not been finally stabilized, inspecting the storage areas and vehicle access locations, as well as preparing inspection reports in accordance with the General Permit. (Typically, these inspections are performed every seven [7] days.) Utilize the Weekly Inspection Form in Appendix A-5 for these inspections and sign the form when the inspection is complete.

The New York Standards and Specifications for Erosion and Sediment Control for some treatment measures, including Pipe Slope Drains, Check Dams, Storm Inlet Protection, Rock Outlet Protection, Paved Flumes, Temporary Swale, Perimeter Dike/Swale, Sediment Trap, Rock Dam and Stabilized Construction Entrance, require an inspection by a qualified inspector after every rain event. Turbidity Curtains require daily inspection.

For Contract work, the Inspector must notify the Construction Manager and the Contractor within one business day of the inspection of any pollution and erosion and sedimentation corrective actions that need to be taken. The Contractor shall begin implementing the corrective actions within one business day of this notification and complete them within a reasonable time.

For Force Account work, the Inspector must notify the Operations Supervisor within one business day of the inspection of any pollution, erosion and sedimentation corrective actions that need to be taken. DEC Force Account staff shall begin implementing the corrective actions within one business day of this notification and complete them within a reasonable time.

DEC Supervisors must ensure that personnel responsible for inspecting the erosion and sediment control measures identified in the SWPPP have received training in erosion and sediment control. Refresher training of at least four (4) hours is required at a maximum three (3) year interval.

3.6 Operation and Maintenance of Stormwater Facilities During Construction

In general, the contractor(s) shall be responsible for the proper operation and maintenance of all facilities and systems of treatment and control (and related appurtenances) which are installed or used to achieve compliance with the General Permit until such time that DEC accepts the project for maintenance.

The contract documents must contain language stipulating the contractor's obligations for proper operation and maintenance of such facilities.

4.0 TERMINATION OF COVERAGE

When a site has been finally stabilized, DEC will submit a Notice of Termination (NOT) in accordance with the General Permit. The NOT shall be signed by the DEC Construction Manager or Design Professional and the Qualified Inspector. Operation and Maintenance Manuals must be prepared and presented to Program for Post-Construction Stormwater Management Practices prior to filing the NOT.

5.0 OPERATION AND MAINTENANCE AFTER CONSTRUCTION

DEC Program Staff is responsible for post-construction operation and maintenance of stormwater management practices installed on DEC projects. The operation and maintenance requirements for these practices shall be identified in the SWPPP. Preventive maintenance schedules should be provided for each practice.

"As-built" plans shall be prepared for all stormwater management practices. Following acceptance of the project, DEC Program Units shall assume maintenance responsibility for all facilities and systems for controlling and treating stormwater runoff in accordance with the requirements set forth in the SWPPP.

5.1 Post-Construction Inspection Requirements

Inspections of permanent stormwater management facilities shall be performed by Qualified Inspectors.

An annual inspection is required for all stormwater management practices. Inspections are suggested after 10-year or larger storms (four inches or more of rainfall in a 24 hour period). Ideally, inspections should be performed during the growing season.

Post-construction operation and maintenance inspection checklists for various types of practices are provided in the NYS Stormwater Management Design Manual and shall be included in the Operation and Maintenance Manual. Inspectors shall use the forms to record the condition of the facility and required work.

5.2 Post-Construction Maintenance

In general, maintenance of permanent stormwater management facilities will be performed by DEC in accordance with preventive maintenance schedules in the SWPPP and work directives generated by inspectors. The DEC Program Coordinator will inform the Operations Supervisor of the existence, purpose and maintenance requirements of these facilities.

6.0 REFERENCES

SPDES General Permit No. GP-0-08-001
SPDES General Permit No. GP-0-08-002
New York Standards and Specifications for Erosion and Sediment Control
New York State Stormwater Management Design Manual
NYS DEC DOW Better Site Design
Highway Design Manual, Chapter 8, Appendix B

APPENDIX

A-1: Permit Applicability Checklists
A-2: Repaving/Reconstruction of Roadways
A-3: Stormwater Pollution Prevention Plan Review Checklist
A-4: Site Assessment, Inspections and Contractor Certification
A-5: Weekly Inspection Form

Project Criteria for Permit Determination

Project Coordinates:

X: _____ Y: _____
(Use http://www.dec.ny.gov/imsmaps/stormwater/viewer.htm to determine)

Project Disturbance Area:

_____ acres

Project within Regulated MS4?
(Use http://www.dec.ny.gov/imsmaps/stormwater/viewer.htm to determine)

☐ Yes ☐ No

Project within New York City Watershed East of the Hudson River, Greenwood Lake Watershed, or Onondaga Lake Watershed?

☐ Yes ☐ No

Project Discharges to 303(d) Waterbody?
(Use http://www.dec.ny.gov/chemical/31290.html to determine)

☐ Yes ☐ No

Project Discharges to AA or AA-s Stream?
(Use http://www.dec.ny.gov/imsmaps/ERM/viewer.htm to determine)

☐ Yes ☐ No

Project Disturbs Slopes Greater than 25% Steepness (Slope Phase E or F)?
(Use County USDA Soil Survey Mapping to determine)

☐ Yes ☐ No

Any Non-Stormwater Discharges Expected On-Site?

☐ Yes ☐ No

Will Discharge Adversely Affect Listed or Proposed to be Listed Endangered or Threatened Species?

☐ Yes ☐ No

Will Construction Activities Adversely Affect a Property that is Listed or is Eligible for Listing on State or National Register of Historic Places?

☐ Yes ☐ No

REPAVING/RECONSTRUCTION OF ROADWAYS

Repaving of Roads and Parking Lots

Repaving, as defined herein, is an activity which does not require permit coverage. Repaving is defined as the resurfacing of an existing pavement/concrete road or parking lot, or resurfacing of a road or parking lot that has undergone grinding or milling operations, where a layer of pavement or concrete remains after the grinding or milling. Construction activity that does not result in land disturbance (soil exposure) is not required to obtain coverage under the General Permit.

Reconstruction of Roads and Parking Lots

Road and parking lot reconstruction is defined as removal of the full depth of the pavement/concrete layer(s) with varying levels of disturbance of the subbase and subgrade layers. Road or parking lot reconstruction may or may not require permit coverage. The need for permit coverage is based on factors such as the type and thickness of the subbase layer and the level of disturbance of the subbase layer. The following criteria should be used to determine which road and parking lot reconstruction projects are considered regulated land disturbances that require permit coverage:

- If the existing subbase material is <u>not</u> a processed crushed stone (e.g., mixed ones and twos), or a material equivalent to NYSDOT subbase course (see Section 304 of NYS DOT Standard Specifications); the project will require permit coverage if the total disturbance (including other site disturbances) is one or more acres.

- If the existing subbase layer on the road or parking lot reconstruction project is less than 6 inches in depth, the project will require permit coverage if the total disturbance (including other site disturbances) is one or more acres.

- If the road or parking lot reconstruction involves the complete removal of the subbase layer or disturbance of the bottom six (6) inches of the subbase layer (less than six (6) inches of subbase would remain after removal of pavement/concrete), the project will require permit coverage if the total disturbance (including other site disturbances) is one or more acres.

- If the subbase layer is six inches or more in depth after the removal of the pavement/concrete layer(s) and the subbase material is equivalent to one of the materials specified in the first bullet above, the area is <u>not</u> considered a regulated disturbance and should not be included when calculating the total disturbance.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF OPERATIONS

SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-08-001)

Stormwater Pollution Prevention Plan Review Checklist

Project Name: Site Address:	☐ Basic SWPPP (E&SC Plan)	☐ Full SWPPP
	Municipality: County:	Reviewer:
Owner/Operator: Address:	Phone:	Date:
	Fax:	SPDES General Permit ID Number: NYR10

A. SWPPP Deficiencies as checked below:

1) ☐ Owner/Operator name, **legal address, phone** number
2) ☐ Copy of signed Notice of Intent (NOI)
3) ☐ Signature of SWPPP Preparer on NOI (must be a Professional Engineer for SWPPPs with engineered practices)
4) ☐ Contractor (and subcontractors if applicable) certification statement(s) [Part III.A.5. of GP-0-08-001]
5) ☐ **Site address and legal description of site**
6) ☐ Vicinity Map, showing project boundary and receiving water(s)
7) ☐ MS4 SWPPP Acceptance Form (for projects located in regulated MS4s)

Comments:

B. Existing and proposed mapping and plans (recommended scale of 1" = 50') which illustrate at a minimum:

SWPPP Deficiencies as checked below:

1) ☐ Existing **and proposed topography** (minimum 2-foot contours recommended)
2) ☐ Location of perennial and intermittent streams
3) ☐ Mapping and description of soils from **USDA Soil Survey, including hydrologic** soil group, as well as location of any site-specific borehole **investigations that may have been performed**
4) ☐ Boundaries of existing **predominant vegetation and proposed** limits of clearing
5) ☐ Location and boundaries **of resource protection areas such as wetlands, lakes**, ponds and other setbacks (e.g. stream buffers, drinking water well setbacks, septic setbacks)
6) ☐ Boundary and acreage of upstream watershed
7) ☐ Location of existing and proposed roads, lot boundaries, buildings and other structures
8) ☐ Location and size of staging areas, equipment storage areas, borrow pits, waste areas and concrete washout areas
9) ☐ Existing and pro**posed utilities (e.g.** water, sewer, gas, electric) and easements
10) ☐ Location and flow paths of existing and proposed conveyance systems such as channels, swales, culverts and storm drains
11) ☐ Location of floodplain/floodway limits
12) ☐ Location and dimensions **of proposed channel modifications, such as bridge or culvert crossings**
13) ☐ Location, size, **maintenance access and limits of disturbance of proposed temporary and permanent** stormwater management and erosion and sediment control practices, including timing **and** duration of temporary practices
14) ☐ Documentation from NYS Historic Preservation Office that the project has no effect on property on or eligible for historic registers
15) ☐ Plans stamped and signed by qualfied professional (must be a licensed professional on plans with engineered practices)

Comments:

C. Erosion and Sediment Control Plans and Vegetative Measures:

SWPPP Deficiencies as checked below:

1) ☐ Description of temporary **and** permanent **structural** and vegetative measures for soil stabilization, runoff control and sediment control for each stage of the project from initial land clearing and grubbing to project close-out
2) ☐ Material specifications, dimensions, **installation details and operations and maintenance requirements** for erosion and sediment control practices, including the location and sizing calculations for any temporary sediment basins
3) ☐ Site map/construction drawing(s) showing **the specific locations, sizes, and lengths of each erosion** and sediment control practice
4) ☐ Identification of any design elements not in conformance with the ***New York Standards and Specifications for Erosion and Sediment Control***, reason for the deviation or alternative design, and demonstration that the alternative is equivalent to the technical standard
5) ☐ Inspection and **Maintenance schedule to ensure continuous and effective operation of the erosion** and sediment control practices, in accordance with the *New York Standards and Specifications for Erosion and Sediment Control*
6) ☐ Description of **structural** practices to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site to the degree attainable

7) ☐ Construction phasing plan and sequencing plan describing the intended sequence of construction activities, including clearing and grubbing; excavation and grading; implementation, timing and duration of temporary and permanent erosion and sediment control practices; installation of utilities and infrastructure; any other soil disturbing activity; and acreage to be disturbed in each phase

8) ☐ Final landscaping plans for structural stormwater management practices and any reforestation or revegetation

9) ☐ Description of pollution prevention measures to control construction litter, construction chemicals and debris

10) ☐ Description and location of any stormwater discharges associated with industrial activity other than construction at the site, including but not limited to, stormwater discharges from asphalt plants and concrete batch plants on the contruction site

Comments:

For construction activities listed in Table 2 of Appendix B of GP-0-08-001:

D. Hydrologic and hydraulic analysis for all structural components of stormwater system (e.g. storm drains, open channels, swales, stormwater management practices, manufactured treatment systems, etc.) for applicable design storms including:

SWPPP Deficiencies as checked below:

1) ☐ Existing and Proposed condition analyses for time of concentrations, runoff rates, volumes, velocities, water surface elevations and routing showing methodologies used and supporting calculations

2) ☐ Channel Protection Volume and detention time calculations

3) ☐ Comparison summary of post-development stormwater runoff conditions with pre-development conditions for 1-year, 10-year, 100-year design storms in accordance with the *New York State Stormwater Management Design Manual*

4) ☐ Stormwater management practice sizing calculations using the Enhanced Phosphorus Removal Standards (TMDL watersheds)

5) ☐ Pollutant removal efficiencies of stormwater treatment practices, where necessary

6) ☐ Infiltration/percolation tests, where required

Comments:

E. Representative cross-section and profile drawings and details of structural stormwater management practices and conveyances (e.g.storm drains, open channels, swales, etc.) which include:

SWPPP Deficiencies as checked below:

1) ☐ Existing and proposed structural elevations (e.g. invert of pipes, manholes, etc.)

2) ☐ Construction drawing(s) identifying the specific locations and sizes of each post-construction stormwater control practice

3) ☐ Description, dimensions, material specifications and installation details for each post-construction stormwater control practice, including outlet structures, embankments, spillways, settling basins, grade control structures, conveyance channels, etc.

4) ☐ Logs of borehole investigations and supporting geotechnical report, if borings have been taken

Comments:

F. SWPPP Deficiencies as checked below:

1) ☐ Post-construction maintenance schedule to ensure continuous and effective operation of each post-construction stormwater control practice, including monitoring and maintenance frequency, identification of responsible parties, description of applicable easements, vegetative requirements, access and safety issues, and testing and disposal of sediments as they are removed

2) ☐ Weekly or twice-weekly inspection checklist identifying measures to be inspected by a qualified site inspector

3) ☐ Request to disturb greater than five acres at any given time including justification for disturbance, additional erosion and sediment control measures to mitigate disturbance, phasing plan, cuts and fills plan, and total acreage to be disturbed in each phase

4) ☐ Documentation of downstream analysis or discharge to fourth-order stream to request waiving control of Channel Protection Volume, Overbank Flood Control or Extreme Flood Control

5) ☐ Identification of any stormwater management practices that deviate from the *New York State Stormwater Management Design Manual*, reason for the deviation and demonstration that the alternative practice or deviation is equivalent to the technical standard

Comments:

G. Additional SWPPP Items

1) ☐ Signature and certification by a Licensed/Certified Professional for projects discharging a pollution of concern to a TMDL watershed or 303(d) waterway
2) ☐ Final sizing calculations for structural stormwater management practices including contributing drainage area, storage and outlet configuration
3) ☐ Stage-discharge or outlet rating curves and inflow and outflow hydrographs for storage facilities (e.g. stormwater ponds and wetlands)
4) ☐ Final analysis of potential downstream impact/effects of project, where necessary
5) ☐ Dam breach analysis, where necessary
6) ☐ Design water surface elevations
7) ☐ Structural calculations, where necessary
8) ☐ Applicable construction specifications

PREAMBLE TO SITE ASSESSMENT AND INSPECTIONS

The following information to be read by all people involved in the construction of stormwater related activities.

The *Owner/Operator*[1] agrees to have a *Qualified Professional*[2] conduct an assessment of the site prior to the *Commencement of Construction*[3] and certify in this inspection report that the appropriate erosion and sediment controls described in the SWPPP have been adequately installed or implemented to ensure overall preparedness of the site for the commencement of construction.

Prior to the *Commencement of Construction*, the *Owner/Operator* shall certify that the SWPPP has been prepared in accordance with the New York State's standards and meets all Federal, State and local erosion and sediment control requirements.

Upon *Commencement of Construction*, site inspections shall be conducted by the Qualified Inspector at least every seven (7) calendar days (Construction Duration Inspections). The *Owner/Operator* shall maintain a record of all inspection reports with the SWPPP. The SWPPP shall be maintained onsite and be made available to the permitting authorities upon request.

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[1] *Owner/Operator* means the person, persons or legal entity which owns or leases the property on which the construction activity is occurring; and/or an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications.

[2] *Qualified Professional* means a person that is knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, licensed Landscape Architect or other Department endorsed individual(s). Individuals preparing SWPPP's that require the post-construction stormwater management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics in order to prepare a SWPPP that conforms to the Department's technical standard. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

[3] *Commencement of Construction* means the initial removal of vegetation and disturbance of soils associated with clearing, grading or excavating activities or other construction activities.

Prior to filing the Notice of Termination, the *Owner/Operator* shall have a *Qualified Inspector*[4] perform a final site inspection. The *Qualified Inspector* shall certify that the site has undergone *Final Stabilization*[5] using either vegetative or structural stabilization methods and that all temporary erosion and sediment controls (such as silt fence), not needed for long-term erosion control, have been removed. In addition, the Operator must identify and certify that all permanent structures described in the SWPPP have been constructed and provide the Owner(s) with an operation and maintenance plan that ensures the structures(s) continuously functions as designed.

[4] *Qualified Inspector* - means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), licensed Landscape Architect, or other Department endorsed individual(s). It also means someone working under the direct supervision of the licensed Professional Engineer or licensed Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that an individual performing a site inspection has received four (4) hours of training, endorsed by the Department, from a Soil and Water Conservation District, CPESC, Inc. or other Department endorsed entity in proper erosion and sediment control principles no later than two (2) years from the date this general permit is issued. After receiving the initial training, an individual working under the direct supervision of the licensed Professional Engineer or licensed Landscape Architect shall receive four (4) hours of training every three (3) years. Note: Inspections of any post-construction stormwater management practices that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

[5] *Final Stabilization* means that all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of 80% has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed on all unpaved areas not covered by permanent structures.

PRE-CONSTRUCTION SITE ASSESSMENT CHECKLIST
for SPDES General Permit for Construction Activity

General

- Notice of Intent (NOI) filed? Yes ☐ No ☐
  - Permit number assigned in the NOI Acknowledgement Letter: NYR-_____
- Copy of SWPPP, NOI, General Permit, and NOI Acknowledgement Letter onsite in an accessible location? Yes ☐ No ☐
- Have all contractors/subcontractors signed the contractor Certification and identified a trained individual for administering SWPPP requirements? Yes ☐ No ☐
- Is a qualified inspector identified for weekly inspections? Yes ☐ No ☐
  - Does inspector have weekly inspection report template? Yes ☐ No ☐

Resource Protection

- Construction limits clearly flagged/fenced? Yes ☐ No ☐
- Important trees and associated rooting zones, on-site septic system absorption fields, existing vegetated areas suitable for filter strips, have been flagged for protection? Yes ☐ No ☐

Surface Water Protection

- Clean stormwater runoff has been diverted from areas to be disturbed? Yes ☐ No ☐
- Bodies of water/streams (onsite/in vicinity of the site) have been identified and protected? Yes ☐ No ☐
- Are clearing and grading operations divided into areas < 5 acres? Yes ☐ No ☐
  - If "No", has a waiver been received from DEC Div. of Water? Yes ☐ No ☐

Preliminary Erosion and Sediment Controls

- Temporary construction entrance has been installed? Yes ☐ No ☐
- Provision to clean-tracked sediment on roadways on a regular basis? Yes ☐ No ☐
- Preliminary silt fence installed properly and based on project plans? Yes ☐ No ☐
- Sediment basins and sediment traps/barriers to be installed as first land disturbing activity? Yes ☐ No ☐
- All other controls required prior to start of construction are installed according to project plans and specifications? Yes ☐ No ☐

Waste and Hazardous Materials

- Contractor has a spill prevention, avoidance and response plan? Yes ☐ No ☐
- Appropriate materials to control spills are onsite? Yes ☐ No ☐

CONTRACTOR'S CERTIFICATION STATEMENT

"I hereby certify that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the qualified inspector during a site inspection. I also understand that the *owner or operator* must comply with the terms and conditions of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings. "

Project Name: _____

Project Location: _____

Contractor Name: _____

Contractor Address: _____

Contractor Phone Number: _____

Individual Responsible for SWPPP Implementation: _____

Title: _____

Signature: _____

Date: _____

NOTE: THE PRIMARY CONTRACTOR (AND ALL SUSCONTRACTORS) INVOLVED IN SOIL DISTURBING ACTIVITIES MUST SIGN THIS CERTIFICATION STATEMENT. ATTACH ADDITIONAL COPIES AS NECESSARY.

Weekly Inspection Form

SPDES General Permit for Stormwater Runoff from Construction Activities

Project Name: _____

Project Number: _____

Contract Number: _____

GP-0-08-001 Permit ID: _____

Qualified Inspector Name: _____

Report Number: _____

Qualified Inspector Signature: _____

Inspection Date: _____

Qualified Reviewer Name: _____

Inspection Time: _____

Qualified Reviewer Signature: _____

Estimated Current Total Disturbance: _____

Weather Conditions at Time of Inspection: _____

_____

Soil Conditions at Time of Inspection: _____

_____

Total rain since last inspection: _____ inches

Source of Rainfall Data: _____

Note: Attach project plan identifying areas that are disturbed at the time of this inspection and areas that have been stabilized (temporary and/or final) since the previous inspection. Also, show all currently installed erosion and sediment control practices, specifying those which were not installed properly or are not functioning as designed and need to be reinstalled or replaced.

Runoff Condition at Points of Discharge from the Construction Site:

Practices Needing Repair, Maintenance, Reinstallation, or Replacement and Associated Corrective Actions:

Repairs, Maintenance, Reinstallation, Replacement and Corrective Actions Completed Since the Previous Inspection:

Modifications to SWPPP:

Additional Notes:

APPENDIX - F Top Soil and Seed Specification

02900 LANDSCAPING

02920 TOPSOIL

02920.1 General

The Contractor shall furnish and place topsoil in all areas to be seeded as indicated on the drawings and as directed by the Engineer. The minimum thickness of topsoil shall be four (4) inches unless otherwise specified. Attention shall be made to maintain all design grades as indicated on the drawings and as directed by the Engineer.

02920.2 Materials

Topsoil shall be the surface layer of soil and shall be free from refuse, material toxic or otherwise deleterious to plant growth, subsoil, woody vegetation, and stumps, roots, brush, stones, clay lumps or similar objects. Sod and herbaceous growth such as grass and weeds need not be removed but shall be thoroughly broken up and mixed with the soil during handling operations.

Topsoil shall be placed from established stockpiles, per Section 02209 - Stripping Topsoil, and/or from material supplied by the Contractor. The topsoil shall be tested and approved before placement and shall meet the following requirements:

A. The pH shall be between 5.5 and 7.6
B. The organic content shall not be less than 2% nor more than 20%.
C. The gradation shall be:

Sieve Size	**% Passing by Weight**
2 inch	100
1 inch	85 to 100
1/4 inch	65 to 100
No. 200	20 to 80

The maximum size of objects other than stones shall be two inches.

D. All topsoil shall be tested by the Contractor with the results sent to the Engineer for approval. The Contractor may amend topsoil with approved materials and by approved methods to meet the above specifications. Materials used to ai-amend the organic content of topsoil may be, or may include, approved recycled or composted materials that are either commercially or municipally produced. Amendments shall not contain any material that is deleterious to soil structure, plant growth or seed germination.

02920.3 Construction

A. Preparation of Areas to Receive Topsoil - The subsoil within the areas to be covered by topsoil shall be graded so that the completed work after topsoil is placed shall conform to the specified lines and grades. Where directed, the Contractor shall scarify or till the surface of the subsoil before the topsoil is placed to assure bonding of the topsoil with the subsoil. Tillage shall be

accomplished in such a manner that depressions and ridges formed by such tillage shall be parallel to the contours.

B. Placing and Spreading of Topsoil - Topsoil in an unworkable condition due to excessive moisture, frost or other conditions *shall not be placed* until it is suitable for spreading. After the topsoil is placed and spread to the specified thickness, all large stiff clods, rocks, roots, or other foreign matter shall be cleared and disposed of by the Contractor as approved so that the finished surface will be acceptable for subsequent work such as seeding, sodding, mulching or planting.

C. Restoration of Stockpiles
The sites of all stockpiles and areas adjacent thereto which have been disturbed by the Contractor shall be graded as required and put into a condition acceptable for seeding. Surplus topsoil shall be used to flatten embankment slopes or placed in other locations as approved.

D. Mulching: All seeded areas shall be mulched. Mulch shall be spread, by hand or machine, uniformly in a continuous blanket of sufficient thickness to hide the soil from view, taking care not to over apply. Mulch shall be applied within three (3) days of seeding and shall be applied separately from the seed. Anchorage/ tacking is required unless otherwise approved.

E. Liability: When it is determined that any seeded area has failed for any reason to produce a satisfactorily established growth after a suitable period of time has elapsed, the Contractor shall repeat all the work required until a satisfactory growth has been established. Any work to be corrected shall be at the Contractor's expense. The contract will not be accepted until a satisfactory growth has been established in all areas.

F. Care During Construction: The Contractor shall care for all seeded areas until final acceptance of the contract. Care shall consist of providing protection against traffic; and shall consist of repairs to any seeded area damaged by wind, water, fire, traffic or other causes. Damaged areas shall be corrected to the design grade of the area prior to seeding and then shall be re-established as originally specified. All areas shall be kept in a healthy growing condition by watering, controlling weeds and by any other necessary operations.

Mowing Requirements:
Turf Areas - The Contractor shall mow all established turf areas seeded on 1 on 3 or flatter slopes unless otherwise directed. Areas shall be mowed to a height of three (3) inches when growth reaches five (5) inches and thereafter as directed by the Engineer.

Wildflower Areas - The Contractor shall mow to a height of six (6) inches all established wildflower areas once a year in the fall after the seed heads have matured unless otherwise directed by the Engineer.

Restoration of Stockpiles

The sites of all stockpiles and areas adjacent thereto which have been disturbed by the Contractor shall be graded, if required and put into a condition suitable to the Engineer.

02930 ESTABLISHING TURF AND WILDFLOWERS

02930.1 General

The work covered by this section includes all work necessary to produce a satisfactorily established turf and/or growth of wildflowers and the care for each as specified.

Establishing Turf - The work consists of preparing ground surfaces for seeding; furnishing and applying fertilizer, limestone (if required), seed, mulch and mulch anchorage on areas indicated in the contract documents and as directed, and maintaining such areas. The mulch shall be maintained until a suitable vegetative cover is established.

02930.2 Materials

A. Seed - All seed shall be furnished and delivered in the vendor's unopened packages, labeled to show the gross weight and percent purity for each species, variety and strain, and the minimum percentage of germination for each. The percentage of pure live seed (P.L.S.) will be computed by multiplying the percent germination by percent purity and dividing by 100. The P.L.S. of each kind multiplied by the net weight of the container will indicate the number of pounds of pure live seed per container. The rate of all seeding will be determined by the calculated P.L.S. of the approved blend.

Turf Blend:

Seed Mix - The Contractor shall submit, for approval, the following seed mix in sufficient quantity to complete all work as specified:

Ernst Conservation Seed's Lakeview Conservation Mix ERNMX-116 or equal.

Variety	
Lolium perenne - Turf Type Perennial Ryegrass	45%
Lolium multiflorum - Annual Ryegrass	30%
Festuca rubra - Creeping Red Fescue	12%
Poa pratensis, cache - Cache Kentucky Bluegrass	11%
Trifolium repens, White Dutch - White Dutch Clover	02%

Seed at a rate of 75 to 150 bulk lbs. per acre or 3 lbs. Per 1000 Sq. Ft, or per the latest manufacturer's recommendations.

Certification - Seeds will be accepted on the basis of certification unless otherwise specified. The certification shall consist of the label that must be attached to each

container of seed in accordance with the provisions of the New York State Agriculture and Market's Law. Seeds will not be accepted by certification unless the test dates shown on the seed container labels are within the same calendar year that the seeds are sown.

Seeds will not be accepted if the seed container labels are removed prior to the time of sowing nor will seeds be accepted if the container labels have been altered, are obliterated or are otherwise illegible. Seed that has become wet, moldy or otherwise damaged in transit or storage will not be acceptable, and all delivered seed must be stored by the Contractor to prevent damage or deterioration from any source.

B. Limestone - Agricultural limestone shall be ground limestone having a minimum total neutralizing value of 88% calcium carbonate equivalence. A minimum of 90% shall pass the 20 mesh sieve and a minimum of 60% shall pass the 100 mesh sieve. The material shall be supplied in the manufacturer's standard containers, not to exceed 100 lbs. each, with the name of the material, the name of the manufacturer, guaranteed analysis and net weight of the contents appearing on each container.

C. Fertilizer - Fertilizer shall have a minimum guaranteed analysis of 10-6-4. Fifty percent of the total nitrogen shall be derived from ureaform (50% N/UF) furnishing a minimum of 3.5% water insoluble nitrogen (3.5% WIN). The balance of the nitrogen shall be present as methylene urea, water soluble urea, nitrate and ammoniacal compounds. The fertilizer is to be packaged in the manufacturer's standard containers, with the material names and net weights or volumes of the contents and the manufacturer's name and guaranteed analysis appearing on each container.

D. Mulch and Mulch Anchorage - Straw mulch shall consist of stalks of oats, wheat, rye or other approved crops which are free of noxious weeds. Weight shall be calculated on the basis of the straw having not more than 15% moisture content. Mulch anchorage shall be an approved non-staining, commercially available product that is specifically formulated for the purpose of anchoring or tacking hay or straw mulches. The materials shall be mixed and applied in accordance with the manufacturer's instructions that shall appear on each container. All areas of soil disturbance shall be seeded and mulched within 24 hours of final grading. The mulch shall be maintained until a suitable vegetative cover is established.

02930.3 <u>Construction</u>

A. Seasons: Turf blends may be sown from April 1st to September 15th, with approval by the Engineer. Wildflower seed blends may be sown as an *Early* seeding, April 1st to July 1st and as a *Late* seeding, after October 15th, with approval by the Engineer. The Contractor shall notify the Engineer at least two working days prior to the time he intends to begin seeding operations and shall not begin any work

until permission to do so has been obtained. When delays in operations carry the work beyond the dates specified, or when conditions of high winds, excessive moisture or ice are such that satisfactory results are not likely to be obtained for any stage of the work, the Engineer may stop the work. Work shall be resumed, with the Engineers approval, when the desired results are likely to be obtained or when approved corrective measures and procedures are adopted.

Dormant Seeding - *All seeding shall be scheduled to occur prior to September 15th.* Areas not seeded by this date shall be immediately stabilized with a temporary seeding of Annual Ryegrass (Lolium multiflorum) applied at the rate of 30 lbs. per acre and receive final seeding the following season.

With approval, seeding may occur after this date, and be considered a dormant seeding, with the following provisions; No seeding shall take place prior to October 15th, an acceptable seedbed has been prepared and all the requirements of producing a satisfactorily established turf and/or stand of wildflowers are adhered to. Special attention shall be made to the protection of all seeded areas with appropriate erosion control practices and the maintenance of proper mulch coverage. The Contractor shall correct all grade and over seed all areas disturbed or damaged by any means during the winter months. These repairs shall not take place until such areas are in a satisfactorily workable condition to establish a finished seed bed, unless considered emergency in nature by the Engineer. In that case such repairs shall be accomplished within five (5) days of being notified by the Engineer.

B. Establishing Turf: All areas to be seeded shall receive topsoil as specified, be maintained at approved grades and all irregularities that will pond water shall be eliminated. Weed growth that, in the opinion of the Engineer, may adversely affect germination or growth shall be removed or controlled, as approved, prior to seeding. All areas shall be scarified four to six inches deep to provide an even friable seedbed. All stone and other undesirable material over one (1) inch in any dimension shall be removed and disposed of. Fertilizer and/or limestone shall be evenly spread over the areas to be seeded at the following rates:

Limestone .....sufficient to correct pH to 6.5
Fertilizer .....sufficient to provide one pound Nitrogen/1,000 $ft.^2$

Seeds shall be distributed by any approved method that does not injure the seeds in the process of spreading at the following rate:

Turf Blend .....per Section 02930.2
Seed to a depth of 1/4 inch with approved equipment. If seed is broadcast, roll areas after seeding. If areas are to be hydroseeded fertilizer and/or limestone may be applied through the seeder and rolling is not required.

C. Establishing Wildflowers: All areas to be seeded shall receive topsoil as specified, be maintained at approved grades and all irregularities that will pond water shall be eliminated. Weed growth that, in the opinion of the Engineer, may adversely affect germination or growth shall be removed or controlled, as approved, prior to seeding. All areas shall be scarified four to six inches deep to provide an even friable seedbed. All stone and other undesirable material over one (1) inch in any dimension shall be removed and disposed of. Seeds shall be distributed by any approved method that does not injure the seeds in the process of spreading at the following rate:

Wildflower Blend .....sufficient to provide a total of 8 lbs. P.L.S. per acre

Nurse Crop .....*Early Seeding* - 5 lbs. per acre

Late Seeding - 25 lbs. per acre

Seed to a depth of 1/4 inch with approved equipment. If seed is broadcast, roll areas after seeding. If areas are to be hydroseeded a two stage application is required. The first application shall include the total seed quantity and 5-10% of the mulching fiber. The second application shall include the balance of the mulch. Mulching fiber shall be applied at a total rate of between 1500 and 2300 lbs./acre. It is important to minimize the time the seeds are circulated through the pumps and paddles prior to application.

D: Care of Seed: Seeded areas shall be kept moist during the development of the turf or wildflower plants (6 to 8 weeks).

DRAFT

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division Of Water

APPLICATION FORM NY-2C
for
Industrial Facilities

This form must be completed by all persons applying for a new SPDES permit OR a modification of an existing SPDES permit for the discharge of industrial wastewater to the waters of New York State.

SEE GENERAL INSTRUCTIONS INSIDE COVER

STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES)

Find this Document at: www.dec.state.ny.us/website/dcs/permits/olpermits/interface.html

State Pollutant Discharge Elimination System (SPDES)

INDUSTRIAL APPLICATION FORM NY-2C

For New Permits and Permit Modifications to Discharge Industrial Wastewater and Storm Water

Section I - Permittee and Facility Information

Please type or print the requested information.

1. Current Permit Information (leave blank if for new discharge)

SPDES Number:	DEC Number:

2. Permit Action Requested: (Check applicable box)

[X] A **NEW** proposed discharge

[ ] A **MODIFICATION** of the existing permit

[ ] An **EBPS INFORMATION REQUEST** response

[ ] An **EXISTING** discharge currently without permit

[ ] A **RENEWAL** of an existing SPDES permit

Does this request include an increase in the quantity of water discharged from your facility to the waters of the State?

[ ] **YES** - Describe the increase:

[X] **NO** - Go to Item 3. below.

3. Permittee Name and Address

Name NYSDEC			Attention DOP
Street Address 625 BROADWAY			
City or Village ALBANY		State NY	ZIP Code 12233

4. Facility Name, Address and Location

Name BELLEAYRE MOUNTAIN SKI CENTER			
Street Address BELLEAYRE ROAD @ ZIP 12441			P.O. Box 313 @ PINE HILL ZIP 12465
City or Village PINE HILL, HAMLET OF		State NY	ZIP Code
Town SHANDAKEN		County ULSTER	
Telephone 845-254-5600	FAX 845-254-5630	NYTM - E 540829	NYTM - N 4664401
Tax Map Info (New York City, Nassau County and Suffolk County only)			
Section --	Block --	Subblock --	Lot --

5. Facility Contact Person

Name TONY LANZA		Title SKI AREA SUPERINTENDENT	
Street Address SEE #4 ABOVE			P.O. Box
City or Village		State --	ZIP Code
Telephone	FAX	E-Mail or Internet	

6. Discharge Monitoring Report (DMR) Mailing Address

Mailing Name SEE #4 ABOVE			
Street Address			P.O. Box
City or Village		State	ZIP Code
Telephone	FAX	E-Mail or Internet	
Name and Title of person responsible for signing DMRs		Signature	

INDUSTRIAL APPLICATION FORM NY-2C
Section I - Permittee and Facility Information

Facility Name: BELLEAYRE MOUNTAIN SKI CENTER	SPDES Number:

7. Summarize the outfalls present at the facility:

Outfall Number	Receiving Water	Type of discharge
---- SEE	UMP DRAWING SHEET EX 16 FOR	CULVERT INVENTORY DATA -----

8. Map of Facility and Discharge Locations:

Provide a detailed map showing the location of the facility, all buildings or structures present, wastewater discharge systems, outfall locations into receiving waters, nearby surface water bodies, water supply wells, and groundwater monitoring wells, and attach it to this application. Also submit proof, either by indication on the map or other documentation, that a right of way for the discharges exists from the facility property to a public right of way. ---- SEE UMP DRAWING SHEET G4.1 FOR A MAP OF THE FACILITY -----

9. Water Flow Diagram:

---- SEE ATTACHED "WATER FLOW DIAGRAM A" -----

INDUSTRIAL APPLICATION FORM NY-2C
Section I - Permittee and Facility Information

Facility Name: BELLEAYRE MOUNTAIN SKI CENTER	SPDES Number:

10. Nature of business: (Describe the activities at the facility and the date(s) that operation(s) at the facility commenced)

SKI RESORT, ESTABLISHED AS SUCH IN 1947.

11. List the 4-digit SIC codes which describe your facility in order of priority:

Priority 1	Description:	Priority 3	Description:
7|0|1|1	SKIING CENTERS & RESORTS	| | |	
Priority 2	**Description:**	**Priority 4**	**Description:**
| | |		| | |	

12. Is your facility a primary industry as listed in Table 1 of the instructions?

[ ] **YES -** Complete the following table.

[X] **NO** - Go to Item 13. below.

Industrial Category	40 CFR		Industrial Category	40 CFR	
	Part	Subpart		Part	Subpart

13. Does this facility manufacture, handle, or discharge recombinant-DNA, pathogens, or other potentially infectious or dangerous organisms?

[ ] **YES** - Attach a detailed explanation to this application.

[X] **NO** - Go to Item 14 below.

14. Is storm runoff or leachate from a material storage area discharged by your facility?

[ ] **YES -** Complete the following table, and show the location of the stockpile(s) and discharge point(s) on the diagram in Item 9.

[X] **NO** - Go to Item 15 on the following page.

Size of area	Type(s) of material stored	Quantity of material stored	Runoff control devices

INDUSTRIAL APPLICATION FORM NY-2C
Section I - Permittee and Facility Information

Facility Name: BELLEAYRE MOUNTAIN SKI CENTER	SPDES Number:

15. Facility Ownership: (Place an "X" in the appropriate box)

Corporate [ ] Sole Proprietorship [ ] Partnership [ ] Municipal [ ] State [X] Federal [ ] Other [ ]

Are any of the discharges applied for in this application on Indian lands? Yes [ ] No [X]

16. List information on any other environmental permits for this facility:

Issuing Agency	Permit Type	Permit Number	Permit Status		
			Active	Applied for	Inactive
SEE ATTACHED PB$ REPORT					

17. Laboratory Certification:

Were any of the analyses reported in Section III of this application performed by a contract laboratory or a consulting firm?

[ ] **YES -** Complete the following table.

[X] **NO** - Go to Item 18 below.

Name of laboratory or consulting firm	Address	Telephone (area code and number)	Pollutants analyzed

18. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

note: "PRINCIPAL EXECUTIVE OFFICER" for NYS Facility

Name and official title (type or print)		Date signed
Signature	Telephone number	FAX number

--- PLACEHOLDER ---

See Drawing Sheet EX16, titled:

Belleayre Mt. Ski Center UMP

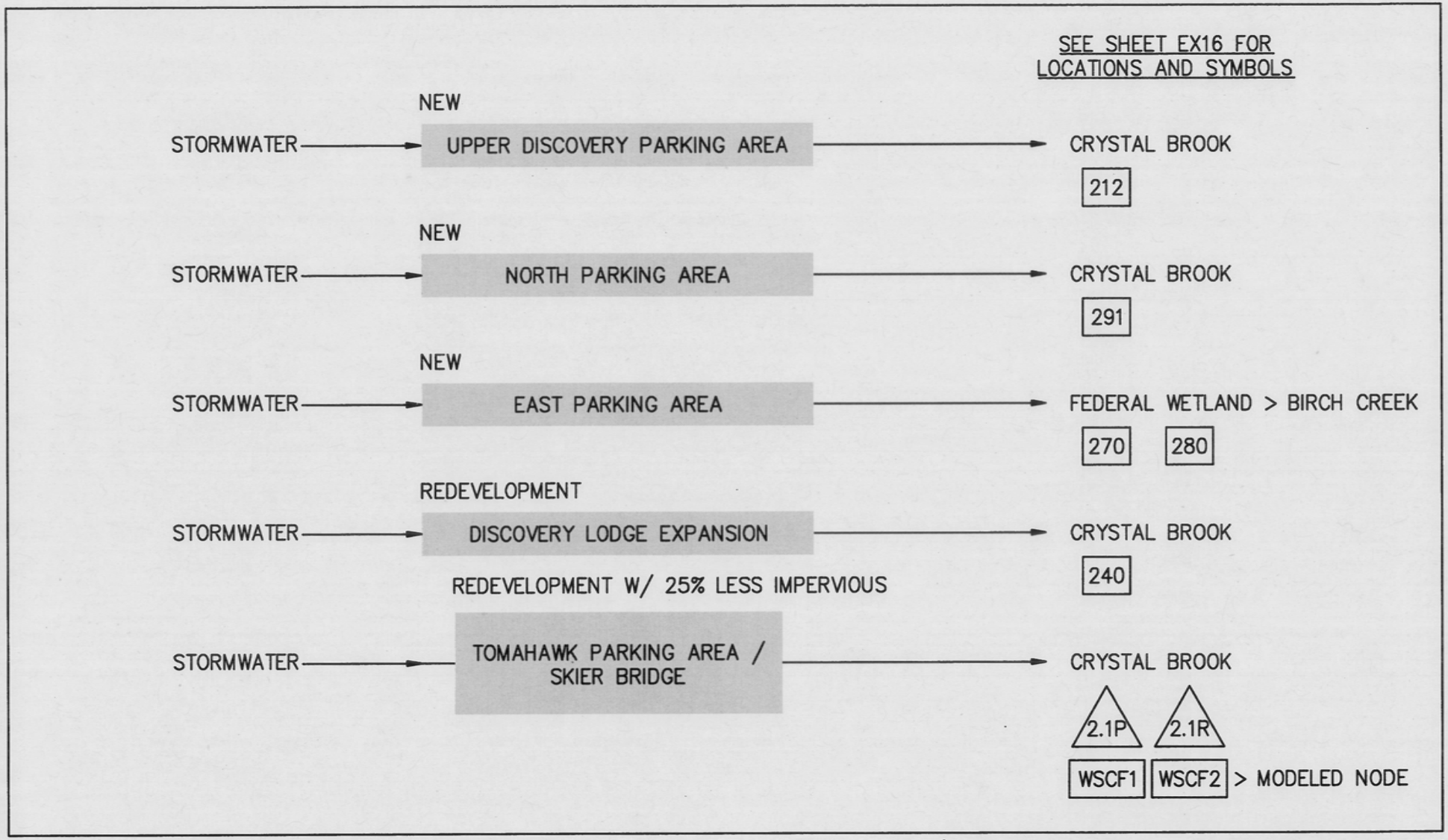
Existing Stormwater Subcatchment Areas

March 2011

NYSDEC Bureau of Design & Construction

***

LARGE SCALE CONSTRUCTION PROJECTS FROM UMP



BELLEAYRE MTN. SKI CENTER UMP
INDIVIDUAL PERMIT APPLICATION FORM NY–2C

QUESTION 9 – WATER FLOW DIAGRAM A.

P:\Projects\03-2120\UMP SWPPP\Individual Permit 2012\BelleayrePermitFigures.dwg, 4/25/2012 11:32:26 AM

PBS # :
3-030171

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

Printed : 3/30/2012

Site: NYS DEPT OF ENVIRONMENTAL
BELLEAYRE MT SKI CENTER
COUNTY ROUTE 49A
HIGHMOUNT, NY 12441

Owner: NYS DEC
625 BROADWAY
ALBANY, NY 12233

(518) 402-9118

Mail: NYS DEC
BELLEAYRE MT SKI CENTER
P.O. BOX 313
HIGHMOUNT, NY 12441-0313

Town: Shandaken
County: Ulster
Owner Type : NYS DEC (State Government)

On-Site Operator: NYSDEC (845) 254-5600
Primary Operator:
Emergency : RONALD HULL (845) 254-5600

Auth Rep: J. ANDREW FLECK
ATTN: DENNIS FICKERIA (845) 254-5600

Site Status : Active
Site Type: Other

Reg Expires : 09/19/2016
Cert Printed: 02/27/2012
Cert Issued: 02/23/2012

Total Active Tanks : 14
Total Active Capacity : 72,551

Last Inspected: 07/29/2011
Inspected By: CDM - Hallett, Heather

(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Install	(5) Date Closed	(6) Capacity (gals)	(7) Product	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(15) Tank Disp	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	(21) UDC	(22) Multi Owner	Date Test	Next Test
01	5	1	07/01/1990		8,000	0008	01	00	01	02 04	01	02	03 01	02	02	11	05	04	01				
02	5	1	07/01/1993		8,000	0008	01	00	01	02 04	01	02	03 01	02	02	11	05	04	01				
021	3	1	01/01/1990		275	0001	01	00	01	00	00	05	00	02	01	10	00	00	00				
022	3	1	01/01/1990		276	0001	01	00	01	00	00	05	00	02	01	10	00	00	00				
03	5	1	07/01/1993		8,000	2712	01	00	01	02 04	01	02	03 01	02	02	11	05	04	01				
032	3	1	01/12/2012		500	0022	01	00	01	00	01	02	00	02	01	01	00	00	08				
05	5	1	07/01/1993		6,000	2712	01	00	01	02 04	01	02	03 01	02	02	11	05	04	01				
06	5	1	08/01/1987		3,000	0001	01	00	01	02 04	01	02	03 01	02	02	10	05	04	01			06/01/1998	
08	5	1	08/01/1993		1,000	0001	01	00	01	02 04	01	02	03 01	02	02	11	05	04	01				
10	5	1	08/01/1993		3,000	0001	01	00	01	02 04	01	02	03 00	02	02	10	05	04	01				
16	5	1	10/01/1999		2,000	0001	01	00	01	02 04	01	02	03 00	02	02	10	05	04	01				
18	5	1	09/23/2004		30,000	0008	10	00	09	04	01	02	03 00	02	02	11	05	04	01				
20	3	1	10/04/2004		500	0001	01	00	01	00	00	02	02	02	02	11	05	04	00				
07	5	2	08/01/1999		2,000	0001	04	00	04	04	01	02	03 01	02	02	10	05	04	01				
024	3	3	06/01/1999	01/12/2012	65	9999	01	00	01	00	00	00	00	03	01	07	00	00	00				
025	3	3	06/01/1999	01/12/2012	65	0013	01	00	01	00	00	00	00	03	01	07	00	00	00				
026	3	3	06/01/1999	01/12/2012	65	0013	01	00	01	00	00	00	00	03	01	07	00	00	00				
027	3	3	06/01/1999	01/12/2012	65	9999	01	00	01	00	00	00	00	03	01	07	00	00	00				
028	3	3	06/01/1999	01/12/2012	65	9999	01	00	01	00	00	00	00	03	01	07	00	00	00				
029	3	3	06/01/1999	01/12/2012	65	9999	01	00	01	00	00	00	00	03	01	07	00	00	00				
030	3	3	06/01/1999	01/12/2012	65	0013	01	00	01	00	00	00	00	03	01	07	00	00	00				
031	3	3		06/06/2008	100	0008	01	00	01	00	00	00	00	02	01	01	00	00	00				
04	5	3	07/01/1993	09/23/2004	8,000	0009	04	00	04	04	01	02	01	01	02	02	04						
09	5	3	08/01/1993	03/01/2010	2,000	0001	01	00	01	02 04	01	05 02	03 01	02	02	11	05	04	01				
10-A	5	3	07/01/1982		8,000	0008	01	00	00	00	00	00		02	00	02	00						
11	3	3	07/01/1994	09/23/2004	275	0022	01	00	00	00	00	00		02	00	00	00		09				
12	3	3	07/01/1994	11/26/2007	275	0022	01	00	00	00	00	00	00	02	00	00	00		09				
13	3	3	11/01/1994	11/26/2007	275	0012	01	00	00	00	00	00	00		01	02	00						
14	1	3	07/01/1994	10/01/1998	275	0022	01	00	00	00	00	00		02	01	01	00						

PBS # : 3-030171

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Primary Operator: Auth Rep: J. ANDREW FLECK ATTN: DENNIS FICKERIA

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Site Status : Active Reg Expires : 09/19/2016 Cert Printed: 02/27/2012 Total Active Tanks : 14 Last Inspected: 07/29/2011

Site Type: Other Cert Issued: 02/23/2012 Total Active Capacity : 72,551 Inspected By: CDM - Hallett, Heather

(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Install	(5) Date Closed	(6) Capacity (gals)	(7) Product	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(15) Tank Disp	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	(21) UDC	(22) Multi Owner	Date Test	Next Test
15	5	3	08/01/1964		1,500	0001	01	00	00	00	00	04		02	00	02	00					12/01/1987	
15-A	3	3	07/01/1994	10/01/1998	275	0022	01	00	00	00	00	00		02	00	00	00						
17	1	3	10/01/1998	08/24/2010	1,000	0012	04	00	04	04	00	00		03	01	01	00						
19	3	3	10/01/2004	01/12/2012	500	0022	10	00	01	00	01	02	00	02	01	02	00	00	08				
2	5	3			1,000	0008	01	00	00	00	00	00		02	00	02	00						
3	5	3			500	0001	01	00	00	00	00	00		02	00	02	00						
5	5	3	07/01/1981		6,000	0009	01	00	00	00	00	00		01	00	02	00						
6	5	3	07/01/1981		8,000	0009	01	00	00	00	00	00		01	00	02	00						
7	5	3	07/01/1981		8,000	0008	01	00	00	00	00	00		01	00	02	00						
8A	5	3	10/01/1987		3,000	0001	01	00	00	00	00	00		02	00	02	00						
4	5	6	08/01/1980		3,000	0001	01	00	00	00	00	00		02	00	02	00						
8	5	6	06/01/1975		3,000	0001	01	00	00	00	00	00		02	00	02	00						
9	5	6	06/01/1965		1,500	0001	01	00	00	00	00	04		02	00	02	00						

(See Reverse Side or Last Page for Code Keys)

PBS # :
3-030171

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

pbsfacrpt_foil.rpt

Printed : 3/30/2012

PETROLEUM BULK STORAGE APPLICATION – SECTION B – TANK INFORMATION – CODE KEYS

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/ Reline Tank

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, legs, stilts, rack, or cradle
4. Aboveground with 10% or more below ground
5. Underground
6. Aboveground in Subterranean Vault w/ access for inspections

Status (4)

1. In-service
2. Temporarily out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

Under Dispenser Containment (UDC) – sump/containment underneath a motor fuel dispenser (21)

Check If Present

Tank Owned by Party Other Than Listed in Section a (22)

Check If Applicable

Product Stored (7)

Heating Oils
0001. #2 Fuel Oil
0002. #4 Fuel Oil
0259. #5 Fuel Oil
0003. #6 Fuel Oil
0012. Kerosene
0591. Clarified Oil
2711. Biodiesel (Heating)
2642. Used Oil (Heating)

Motor Fuels
0009. Gasoline
2712. Gasoline/Ethanol
0008. Diesel
2710. Biodiesel
0011. Jet Fuel
1044. Jet Fuel (Biofuel)
2641. Aviation Gasoline

Crude Oil
0006. Crude Oil
0701. Crude Oil Fractions

Lubricating/Cutting Oils
0013. Lube Oil
0015. Motor Oil
1045. Gear/Spindle Oil
0010. Hydraulic Oil
0007. Cutting Oil
0021. Transmission Fluid
1836. Turbine Oil
0308. Petroleum Grease

Oils Used As Building Materials
2626. Asphaltic Emulsions
0748. Form Oil

Petroleum Spirits
0014. White/Mineral Spirits
1731. Naphtha

Mineral/Insulating Oils
0020. Insulating Oil (e.g., Transformer, Cable Oil)
2630. Mineral Oil

Waste/Used/Other Oils
0022. Waste/Used Oil
9999. Other -please list :*

Tank Type (8)

01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-please list:*

Internal Protection (9)

00. None
01. Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-please list:*

External Protection (10/18)

00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07. Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-please list:*

Secondary Containment (11/19)

00. None

Aboveground Tanks/Piping
01. Diking
02. Vault (w/access)
05. Synthetic Liner
06. Remote Impounding Area
09. Modified Double-Walled
10. Impermeable Barrier ***
11. Double Bottom ***

*** Each of these codes must be combined with code 01 or 06 to meet compliance requirements

Underground Tanks/Piping
03. Vault (w/o access)
04. Double-Walled
05. Synthetic Liner
07. Excavation/Trench Liner System
08. Flexible Internal Liner (Bladder)
10. Impervious Underlayment

Tank Leak Detection (12)

00 None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank Gauge)
06. Impermeable Barrier (Aboveground Only)
99. Other-please list:*

Overfill Prevention (13)

00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-off
04. Product Level Gauge (Aboveground Only)
05. Vent Whistle
99. Other-please list:*

Spill Prevention (14)

00. None
01. Catch Basin
02. Transfer Station Containment
99. Other - Please list*

Pumping/Dispensing Method (15)

00. None
01. Submersible
02. Suction
03. Gravity

Piping Location (16)

00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)

00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-please list:*

Pipe Leak Detection (20)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
08. Tank Top Sump
09. Exempt Suction Piping
99. Other-please list:*

*** If other, please list on a separate sheet including Tank Number**