

STORM WATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION

Project Name and Location: (Latitude, Longitude, or Address)	Transient Aircraft Parking and T-Hangar South Albany Airport 6 Old School Road Selkirk, NY 12158	Owner Name and Address:	South Albany Airport Corporation 6 Old School Road Selkirk, NY 12158
Description: (Purpose and Types of Soil Disturbing Activities)	The project will consist of constructing approximately 35,000 square feet of asphalt and concrete pavement, including installation of drainage improvements and pavement markings. Soil disturbing activities will include: grading, clearing and grubbing, installation of culverts, construction of both flexible and rigid pavement, and preparation of disturbed areas for topsoil and seeding.		
Runoff Coefficient:	The runoff curve number for the site is 81 after construction.		
Site Area:	The area of work encompasses approximately 0.99 acres.		
Sequence of Major Activities			
The order of activities will be as follows: <div><div>1. Set up contractor staging area and engineers office.</div><div>2. Set up maintenance and protection of traffic measures as specified on plans.</div><div>3. Install silt fence and other erosion control measures as specified on plans.</div><div>4. Strip and stockpile topsoil.</div><div>5. Clearing and grubbing.</div><div>6. Earthwork.</div><div>7. Installation of storm sewers, and underdrain.</div><div>8. Stabilize disturbed areas and stockpiles within 14 days of last construction activity in that area.</div><div>9. Place subbase material and pavement structure.</div><div>10. When pavement structure is complete, install final pavement markings.</div><div>11. Final grading, seeding, and mulching of all disturbed areas.</div><div>12. When all work areas are complete and the entire area is stabilized, remove the erosion control and maintenance and protection of traffic measures.</div></div>			
Name of Receiving Waters:	Unidentified Tributary to Coeymans Creek		

CONTROLS

Erosion and Sediment Controls

Stabilization Practices

Temporary Stabilization - Topsoil stock piles and disturbed portions of the site where construction activity temporarily ceases for at least 21 days will be stabilized with temporary seed and mulch no later than 14 days from the last construction activity in that area. The temporary seed shall be Rye (grain) applied at the rate of 120 pounds per acre. Prior to seeding, 2,000 pounds per acre of ground agricultural limestone and 1,000 pounds per acre of 10-10-10 fertilizer shall be applied. Areas of the site which are to be paved will be temporarily stabilized by applying geotextile and stone sub-base until bituminous pavement can be installed.

Permanent Stabilization - Disturbed portions of the site where construction activities permanently cease shall be stabilized with permanent seed no later than 14 days after the last construction activity. The permanent seed mix shall be as indicated on the plans and specifications.

Structural Practices

Silt fence, hay bales, and light stone fill will be installed along flow lines and at the discharge side of culvert excavations to act as a runoff "filter" as per the plans and specifications.

Stormwater Management

Stormwater drainage will be maintained in the existing drainage system until the corresponding portion of the proposed system is completed. The areas, which are not graded as part of this grading project, will remain untouched. When construction has been completed all surfaces will be restored and erosion control measures removed after all turf areas are established.

OTHER CONTROLS

Waste Disposal:

Waste Material - All waste material will be collected and stored in a metal dumpster rented from a NYSDEC approved hauler, which is a licensed solid waste management company. The dumpster will meet all local and state solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied a minimum of twice per week or more often if necessary, and the trash will be hauled to a NYSDEC approved dump. No construction waste material will be buried on site. All personnel will be instructed regarding the correct procedures for waste disposal. Notices stating these practices will be posted in the office trailer and the individual who manages the day-to-day operations will be responsible for seeing that these procedures are followed.

Hazardous Waste - All hazardous waste materials will be disposed of in a manner specified by local and state regulations or by the manufacturer. Site personnel will be instructed in these practices and the individual who manages the day-to-day operations will be responsible for seeing that these practices are followed.

Sanitary Waste - All sanitary waste will be collected from the portable units a minimum of three times per week by a licensed sanitary waste management contractor, as required by local regulation.

Offsite Vehicle Tracking:

The paved streets adjacent to the site will be swept daily to remove any excess mud, dirt, or rock tracked from the site. Dump trucks hauling material from the construction site will be covered with a tarpaulin as needed. A stabilized construction entrance will be constructed to reduce the tracking of mud, dirt, or rock from the construction site onto a street, alley, sidewalk or parking area.

TIMING OF CONTROLS/MEASURES

As indicated in the Sequence of Major Activities, the erosion and sedimentation control measures, including silt fences, will be constructed prior to clearing or grading of any other portions of the site. Areas where construction activity temporarily ceases for more than 21 days will be stabilized with a temporary seed and mulch within 14 days of the last disturbance. Once construction activity ceases permanently in an area, that area will be stabilized with permanent seed and mulch.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

The stormwater collection and discharge reflects the NYSDEC requirements for stormwater management and erosion and sediment control. To ensure compliance, the plan will be prepared in conformance to the New York State "Guidelines for Urban Erosion and Sediment Control."

MAINTENANCE/INSPECTION PROCEDURES

Erosion and Sediment Control Inspection and Maintenance Practices

These are the inspection and maintenance practices that will be used to maintain erosion and sediment controls:

All control measures will be inspected at least once each week and following any storm event of 0.5 inches or greater.

All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of report.

Built-up sediment will be removed from silt fence when it has reached one-third the height of the fence.

Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and health of growth.

A maintenance inspection report will be made after each inspection. A copy of the report form to be completed by the inspector is attached.

The site superintendent will select individuals who will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance report.

Personnel selected for inspection and maintenance responsibilities will receive training from the site superintendent. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used on-site in good working order.

Non-Stormwater Discharges

It is expected that the following non-storm water discharges will occur from the site during the construction period:

Pavement wash waters (where no spills or leaks of toxic or hazardous materials have occurred)

INVENTORY FOR POLLUTION PREVENTION PLAN

The materials or substances listed below are expected to be present on-site during construction:

Select Granular Fill

Underdrain Filter Stone

Underdrain Pipe

Precast Concrete

Stabilization Fabric

Duct Banks

Concrete

Mulch

Corrugated Metal Pipe

PAPI, Wind Cone

Seed

Metal Frames & Grates

Corrugated Plastic Pipe

Stabilization Fabric

Topsoil

Paints

Asphalt Tack Coat

Pull Boxes

Bituminous Prime Coat

Gravel Subbase Course

Asphalt Concrete

Barricades

SPILL PREVENTION

Material Management Practices

The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to stormwater runoff.

Good Housekeeping:

The following good housekeeping practices will be followed on-site during the construction project:

An effort will be made to store only enough product required to do the job.

All materials stored on-site will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.

Products will be kept in their original containers with the original manufacturer's label.

Substances will not be mixed with one another unless recommended by the manufacturer.

Whenever possible, all of a product will be used up before disposing of the container.

Manufacturers' recommendations for proper use and disposal will be followed.

The site superintendent will inspect daily to ensure proper use and disposal of materials on-site.

Hazardous Products:

These practices are used to reduce the risks associated with hazardous materials:

Products will be kept in original containers unless they are not resealable.

Original labels and material safety data will be retained; they contain important product information.

If surplus product must be disposed of, manufacturers' or local and state recommended methods of proper disposal will be followed.

SPILL PREVENTION (Continued)

Product Specific Practices

The following product specific practices will be followed on-site:

Petroleum Products:

All on-site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Fuel oil for construction machinery will be stored in an above-ground tank with a suitable containment system. Material safety data sheets will be filed in the site superintendent's trailer. Any asphalt substances used on-site will be applied according to the manufacturer's recommendations.

Fertilizers:

Fertilizers used will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to stormwater. The contents of any partially used bags of fertilizer will be transferred to resealable plastic bags to avoid spills.

Paints:

All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system, but will be properly disposed of according to manufacturers' instructions or state and local regulations.

Concrete Trucks:

Concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water on site in a manner that prevents contamination of stormwater discharge. A designated area will be excavated or a dike constructed to contain these materials until they harden, at which time they will be covered with fill or disposed of off the site. Excess concrete or concrete that does not meet the specifications will be handled in the same manner.

Spill Control Practices

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.

Materials and equipment necessary for spill cleanup will be kept in the material storage area on-site. Equipment and materials will include but not be limited to brooms, dust pans, rags, gloves, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.

All spills will be cleaned up immediately after discovery.

The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with hazardous substance.

Reportable spills of any petroleum based material will be reported to the appropriate state or local government agency.

The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.

The site superintendent responsible for the day-to-day operations will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel will be posted in the material storage area and in the office trailer on-site.

POLLUTION PREVENTION PLAN 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 gathered and evaluated 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.

Signed: Owner

Date:

CONTRACTOR'S CERTIFICATION

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature

For

Responsible for

Date:

Date:

Date:

TOWN OF BETHLEHEM
PLANNING BOARD APPROVAL

Client:
South Albany Airport Corporation
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Principal-in-Charge Wayne F. Wegman, P.E.
Project Manager Shawn R. Bray P.E.
Designed by SRB, MAS

Revisions			
No.	Date	By	Description

Erosion and Sediment Control Plan

Transient Aircraft
Parking Apron & T-Hangar
South Albany
Airport

Town/City: Bethlehem
County: Albany State: New York

Project No.
25247.05

Drawing No. 6.2 Sheet No.

Scale: N.T.S.

Date: July, 2009