

New York State Department of Environmental Conservation State Pollutant Discharge Elimination System (SPDES) Permit

Best Management Practices Plan Implementation Training

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JFK Airport BMPP Implementation Training

- **Regulatory Requirements**
- **Facility Description & Activities**
- **Potential Pollution Sources**
- **Best Management Practices**
- **Comprehensive Site Compliance Evaluation**

Regulatory
Requirements

Facility
Description

Potential
Pollutant
Sources

Stormwater
Management
Controls

Site
Compliance
Evaluation



“Contaminated stormwater discharges from industrial facilities into surface waters are to be minimized or eliminated” -- Clean Water Act



Regulatory Requirements



- **National Pollutant Discharge Elimination System (NPDES)**
 - The Clean Water Act prohibits anybody from discharging "pollutants" through a "point source" into a "water of the United States" unless they have an NPDES permit.

- **State Pollutant Discharge Elimination System (SPDES)**
 - New York State Department of Environmental Conservation (NYSDEC) SPDES program is designed to eliminate the pollution and to maintain the highest quality of water possible consistent with:
 - *public health*
 - *public enjoyment of the resource*
 - *protection and propagation of fish and wildlife*
 - *industrial development in the state*

SPDES Permit Prohibited Discharges

Discharge which contains a visible sheen, foam, or odor, or may cause or contribute to a violation of water quality is prohibited

- Spills or leaks
- Tank bottoms
- Maintenance wastewaters
- Wash water
- Tank hydrotest and ballast waters
- Secondary containment wastewater

SPDES Permit Special Conditions

- Develop, maintain, and implement a **Best Management Practices Plan (BMPP)** to prevent significant release of pollutants to waters of the State and eliminate or reduce pollutant loadings in stormwater
- Develop and apply **Best Management Practices (BMPs)** to minimize potential releases
 - **13 Minimum BMPs**
 - **Activity Specific BMPs**



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JFK International Airport Facility

Identify where activities may be exposed to runoff

- 4,590 acres
- Terminals (CTA is approx. 880 acres)
- Buildings
- Hangars
- 9 miles of runway
- 25 miles of taxiway
- 16 drainage areas
- 6,000 catch basins
- 26 stormwater outfalls
- Outfalls discharge to Jamaica Bay, Thurston Bay, Head of Bay, and Bergen Basin

Terminal/Building/Hangar
Runway/Taxiway



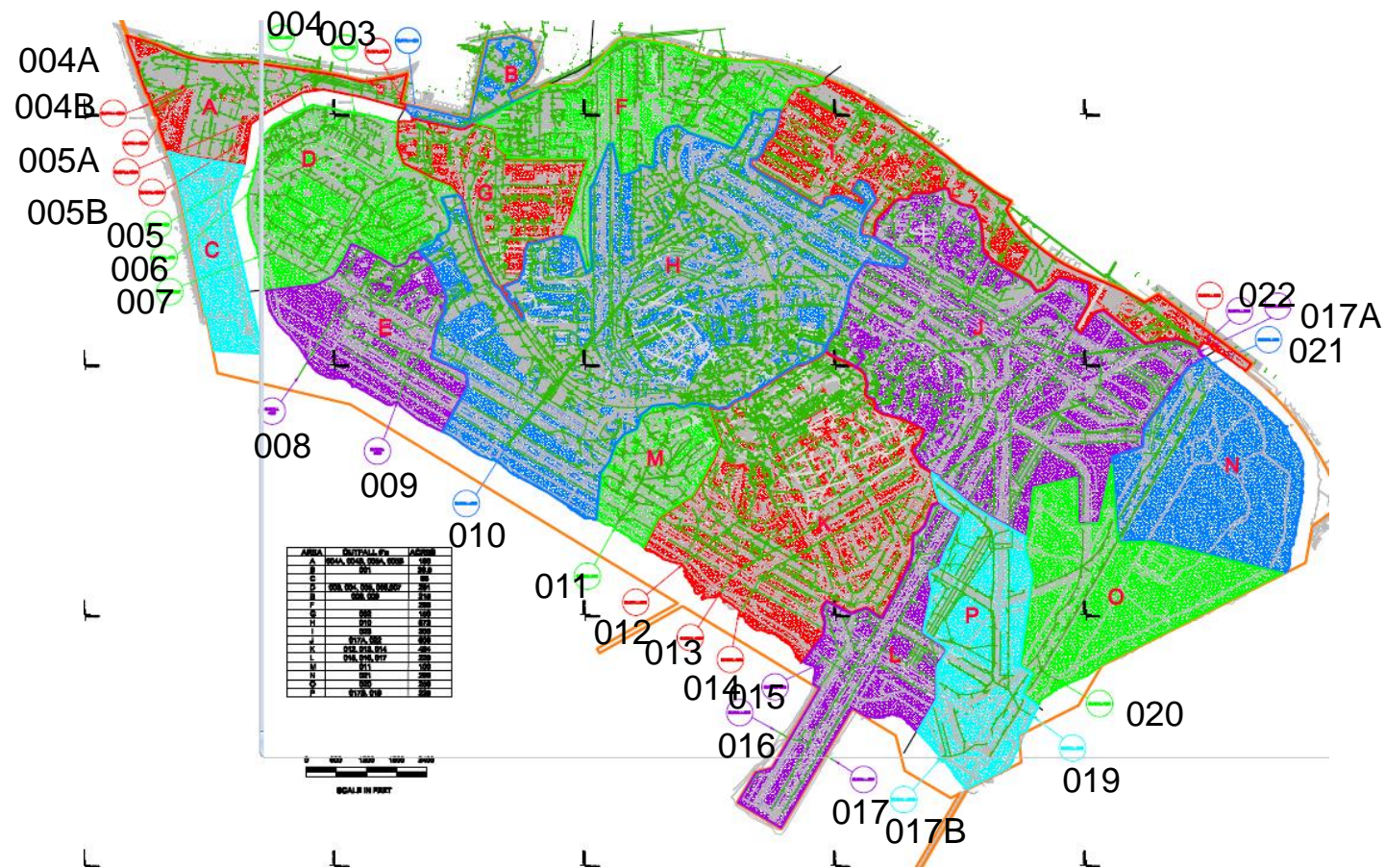
Catch Basin/Storm-Drain



Outfalls



Bay



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Aircraft, Vehicle, and Equipment Maintenance

- Lubricants
- Fuels
- Anti-freeze
- Degreasers

Aircraft, Vehicle, and Equipment Fueling

- Gasoline, Diesel, Jet Fuel
- Fuel Vapors

Aircraft Sanitary Service

- Bacteria
- Lavatory flushing chemicals



Potential Pollutant Sources

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- Building and Grounds Maintenance
 - Pesticides
 - Herbicides
 - Oils and Grease
 - Petroleum Hydrocarbons
- Chemical Storage and Fuel Storage
 - Petroleum Hydrocarbons
 - Lubricants
 - Paints
 - Battery Acid
 - Solvents

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- **Food Handling Operations**
 - Oil and grease
 - Bacteria
- **Fire Fighting Foam Testing**
 - Volatile Organic Compounds
- **Aircraft & Pavement**
- **Deicing/Anti-icing**
 - Propylene Glycol
 - Sodium Acetate
 - Potassium Acetate



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BMP Plan
Implementation

Responsible & Accountable Parties

- ***The Port Authority*** is responsible for developing and implementing an airport wide BMPP
- ***Tenants*** are to develop and implement specific BMPs that are applicable to their operation
- ***Tenants*** whom manage multiple “sub-tenants” are responsible for the actions of those sub-tenants
- ***All Sub-Tenants and Facility Staff (e.g., contractors, sub-contractors, and deicing entities)*** are responsible to maintain compliance with the BMPP and report spills and other incidents if they occur no matter whom caused the incident

Pollution Prevention Team

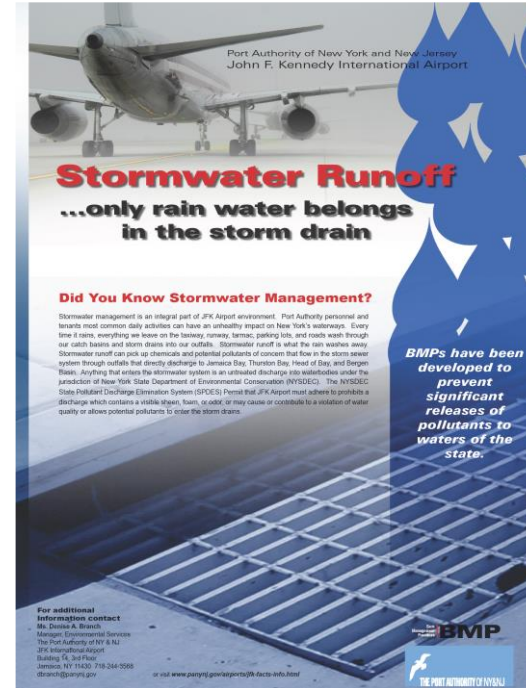
- **Chris Jones, *Manager of Environmental Services***
 - Tel: 718-244-3546
 - JFK_Environmental@panynj.gov
- *The Environmental Maintenance Unit* perform inspections of the facilities maintained by the PANYNJ
- A designee from ***each tenant site*** is on the **Pollution Prevention Team** and is responsible for implementation of the BMPP on tenant property.

Pollution Prevention Team

- Tenants and contractors must identify a **corporate level representative** **Environmental Manager, Corporate Health & Safety Manager, Compliance Manager, etc.** responsible for BMPP training and implementation of the BMPP on tenant property
- **Second on-site tenant contact/ facility manger/representative.**
- All Pollution Prevention Team members shall complete the **Pollution Prevention Team Member Designation Form** and submit to the **Manager of Environmental Services** annually by April 15th
- Pollution Prevention Team Members complete the **BMP Self-implementation Inspection Form**

Stormwater Pollution Prevention Education

- Attend PANYNJ BMPP training annually
- Develop and implement a program at all levels
- Explain components and goals of BMPs
- Conduct regular training sessions and mandate participation
- Tenants are expected to train and/or review sub-tenants and service provider training programs



Training Topics

- Spill Prevention and Response
- Proper material storage, labeling and use
- Waste handling, storage, and disposal
 - Universal Waste, hazardous waste, used oil
- Potentials for illicit discharges
- Efficient and safe housekeeping practices
- Preventative maintenance procedures
- Operation specific BMPs
- Deicing/ Anti-icing

Elimination of Non-Stormwater Discharges

- Hard-Piped non-stormwater discharges
 - Equipment that discharges directly to the stormwater drainage system
 - Oil/water separators
 - Interior floor/trench drains
 - Utility sinks
 - Chiller and boiler overflow /blow down lines
- Limit the use of outdoor water sources
- Personnel shall be aware of potential illicit discharges



Stormwater Runoff

***...only rain water
belongs in the storm
water drain...***



Bulk Storage Regulations

Petroleum Bulk Storage (PBS) /Chemical Bulk Storage (CBS) :

“The operator must display a registration certificate which is current and valid on the premises of the facility at all times.”

“The owner or operator must permanently mark all fill ports to identify the product inside the tank. These markings must be consistent with the color and symbol code of the American Petroleum Institute.”

Operators of USTs must keep daily inventory records (and maintain them for five years). They must also test tanks and pipes every five years.

Operators of ASTs must conduct monthly visual inspections and a 10 year inspection.

Tanks that are temporarily out of service (30 days or more) must be drained of product, fill lines and gauge openings must be capped. Inspection and registration must continue.

A.P.I. COLOR CODES	
	UNLEADED REGULAR
	UNLEADED MIDGRADE
	UNLEADED PREMIUM
	UNLEADED REGULAR W/EXT.
	UNLEADED MIDGRADE W/EXT.
	UNLEADED PREM. W/EXT.
	KEROSENE
	VAPOR RECOVERY
	#1 FUEL OIL
	#2 FUEL OIL
	DIESEL, LOW SULFUR
	DIESEL, HIGH SULFUR

NY PBS Regulation

- All PBS regulations are now contained in **6 NYCRR Part 613**.
- **Definition of Facility:** Property on which one or more tank systems having combined storage capacity of >1,100 gallons OR a UST having a storage capacity of >110 gallons. Six exemptions.
- New definition of tank system categories. **Each Category requires different components or materials of construction.**
 - Category 1 – tank installed < 12/27/86;
 - Category 2 – tank installed from 12/27/86 – 10/11/15;
 - Category 3 – tank installed > 10/11/15.
- Change in **tank closure procedures** and reporting requirements based on tank contents

NY PBS Regulation

- **Delivery Prohibition (613-5).** DEC can impose a delivery prohibition on a tank system(s) as follows:
 - **Tier 1 condition** – affix a tag and provide written notification for any tank system that is known to be releasing petroleum or if a UST system doesn't have the required components based on its Category.
 - **Tier 2 condition** – provide written notification first (followed by a tag) on any tank system that may be leaking petroleum based on inspections / leak detection monitoring or if a UST/AST system doesn't have the required components based its Category and hasn't provided documentation or retrofitted the tank system to comply within 30 days.

NY PBS Regulation

Update the **PBS Registration** for your sites to include your name and authorization numbers to designate yourself as an operator.

- This counts as an “Information Correction”, there are no fees associated with this update.
- You may use the blank PBS registration application (http://www.dec.ny.gov/docs/remediation_hudson_pdf/pbsrenewal.pdf) to update your registration, or you may send a request for a pre-filled, digital copy of your registration by sending an email to operatortraining@dec.ny.gov.
- Be sure to specify the PBS numbers of the sites for which you want to be designated.

Print your **Authorization Certificate** and file it with your PBS records.

- Your certificate is accessible to you when you log in to your User Dashboard: (www.dec.ny.gov/about/101500.html)

NY PBS Regulation

Used oil is any oil, whether refined from crude or synthetic, that has been contaminated by physical or chemical impurities as a result of use.

Typical uses include :

- Automotive and industrial lubricants
- Spent motor oil, hydraulic fluids
- Refrigeration coolants, metalworking, cutting oils, electrical insulating oil

Storage Requirements Summary:

- **Above ground:** kept in good condition, must not leak, must be labeled "USED OIL", must be labeled with the tank's design and working capacity
- **Below ground:** fill pipes of underground tanks must also be labeled with the tank's capacity, also subject to Federal Regs 40 CFR 280
- **All tanks storing used oil must be registered with the NYSDEC.** The fees depend upon the total petroleum storage capacity of the facility, how it is used, and whether it is stored above ground or below ground. For more information, refer to the **NYSDEC Petroleum Bulk Storage Registration Fee Worksheet** at https://www.dec.ny.gov/docs/remediation_hudson_pdf/pbsform.pdf.
- Additional information about **used oil** can be found on the **NYSDEC webpage** at <https://www.dec.ny.gov/chemical/8786.html>



UST Operator Training

- **Operator Training (613-2.5)** – **for every UST system** at a facility, the facility must designate:
 - One Class A Operator, one Class B Operator, and one or more Class C Operators
 - **Class A** – person who has primary responsibility for compliance
 - **Class B** – person who has day-to-day responsibility for compliance
 - **Class C** – person who has primary responsibility for initially addressing spills or releases
 - **Class A and B – must pass NYSDEC exam**
 - **Class C – trained/tested by Class A or B**
- A **Training Log** must be created for each trained Class C Operator and kept at your site with your PBS records. At minimum, the Training Log must have the following information:
 - name of the Class C Operator;
 - date the Class C Operator completed training;
 - name & signature of the Class A or B Operator who trained the Class C;
 - name, address, & phone number of the employer of the trainer
- Deadline for compliance with the Operator Training requirements was **October 11, 2016**

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13 General BMPs

1. Pollution Prevention Team
2. Reporting of BMP Incidents
3. Risk Identification and Assessment
4. Employee Training
5. Inspections and Records
6. Security and Site Access
7. Preventative Maintenance
8. Good Housekeeping
9. Material/Waste Handling, Storage, and Compatibility
10. Spill Prevention & Response
11. Erosion & Sediment Control
12. Management of Runoff
13. Street Sweeping

Preventative Maintenance

- Develop a schedule for routine observations and maintenance for:
 - Structural BMPs (oil/water separator, catch basins, berms)
 - Equipment with potential to leak
- Check performance of equipment & systems
- Prompt repair or contain defective equipment
- *As per 6 NYCRR Part 613.3(d): Maintenance of Spill Prevention Equipment, “The owner or operator must keep all gauges, valves, and other equipment for spill prevention in good working order”*



Good Housekeeping

- Keep equipment and storage areas in clean and orderly manner
- Perform maintenance and repair activities indoors and under cover
- Maintain inventory of material used
- Prevent practice of hosing down the apron or hangar floor
- Collect storm water runoff from the maintenance area and provide treatment or recycling



Spill Prevention & Response

- **Spill Prevention & Response (SRP) Plan**
 - Names and numbers for emergency contacts, coordinators and clean-up contractors
 - Identify and characterize potential spills
 - Eliminate or reduce spill potential
 - How to respond to different types and size of spills
- Develop and implement Spill Prevention Control & Countermeasure (SPCC) Plan



Erosion and Sediment Control

- Construction projects of any size should be reviewed before the project begins to determine if adequate soil and erosion control measures will be implemented
- JFK construction projects are covered under the JFK Individual SPDES Permit
- Construction project that involves soil disturbance of one or more acres must follow the SPDES Permit including submitting a NOI and SWPPP



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Activity Specific BMPs

1. Aircraft Deicing/Anti-icing
2. Aircraft, Vehicle, and Equipment Fueling
3. Aircraft, Vehicle, and Equipment Maintenance
4. Aircraft, Vehicle, and Equipment Washing
5. Building Cleaning and Maintenance
6. Chemical and Petroleum Storage and Handling
7. Elimination of Non-Stormwater Discharges to Storm Drains
8. Spills Management
9. Lavatory Service Operations

10. Oil/Water Separators
11. Outdoor Handling of Material
12. Outdoor Material and Equipment Storage
13. Waste Management
14. Fire Fighting Foam Discharge
15. Stormwater Pollution Prevention Education
16. Street Sweeping and Stormwater Facility Management
17. Security
18. Rubber Removal
19. Runway and Taxiway Anti-icing

Aircraft Deicing/Anti-icing

- **Ethylene glycol and Urea is prohibited**
- **Purpose:** Prevent or reduce the discharge of pollutants to soil, groundwater, and/or storm water from aircraft deicing
- Apply only required amounts of deicing fluid
- Use a range of glycol/water blends
- Upgrade existing truck fleet
- Limit secondary deicing
- Dry weather discharge of material is prohibited
- Recordkeeping: Report glycol releases to appropriate regulatory agencies

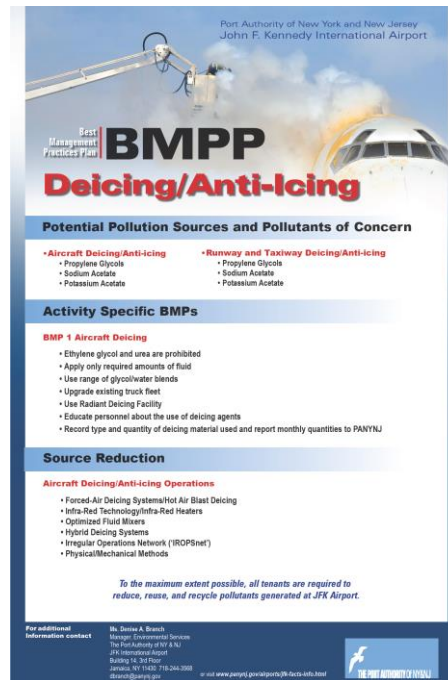


Deicing Source Reduction

“To the maximum extent possible, all tenants are required to reduce, reuse, and recycle pollutants generated at JFK Airport.”

Aircraft Deicing/Anti-icing Operations

- Forced-Air Deicing Systems/Hot Air Blast Deicing
- Infra-Red Technology/Infra-Red Heaters
- Optimized Fluid Mixers
- Hybrid Deicing/Anti-icing Systems
- Irregular Operations Network (‘IROPsnet’)
- Physical/Mechanical Methods
- Use of Warmed Fuel
- Temporary Deicing Pads
- Glycol Vacuum Vehicles



Aircraft, Vehicle, and Equipment Fueling

- **Purpose:** Prevent or reduce the discharge of pollutants to storm water, groundwater, soil and air from aircraft, vehicle, and equipment fueling
- **Implement spill kit at fueling area (common deficiency 2018)**
- Install berms, curbing, or canopies around fueling areas
- Post “**NO TOPPING OFF**” signs
- Use drain blockers at catch basins, or install gate valves at catch basins for use during fueling activity
- Install shear valves or “breakaway” hose connections
- Designate area for mobile fueling
- Maintain monitoring equipment



Aircraft, Vehicle, and Equipment Maintenance

- **Purpose:** Prevent or reduce the discharge of pollutants to surface water, groundwater, POTW, soil and air from aircraft, vehicle, and equipment maintenance and repair
- Perform maintenance indoors and under cover
- If maintenance occurs outdoors, perform away from storm water drains
- Consider offsite maintenance by contractors
- Use drip pans
- Drain oil cans/ filters



Aircraft, Vehicle, and Equipment Washing

- **Purpose:** Prevent or reduce the discharge of pollutants to soil, groundwater, and storm water drains from aircraft, vehicle, and equipment degreasing
- **Cover catch basins in areas where washing occurs (common deficiency 2018)**
- **Reclaim/recover 100% wash water and recycle or discharge appropriately (common deficiency 2018)**
- Use dry washing techniques in designated areas
- Provide training to employees



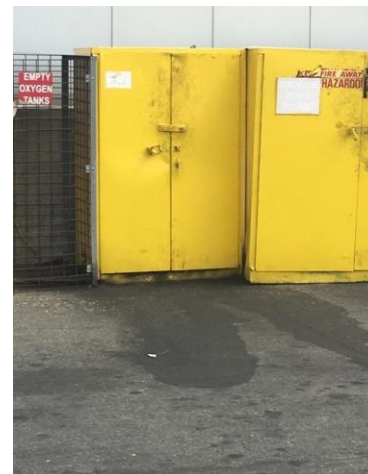
Building Cleaning and Maintenance

- **Purpose:** Prevent or reduce the discharge of pollutants during building cleaning and maintenance activities
- **Common deficiencies observed in 2018:**
 - **Cap or disconnect floor drains in areas where maintenance occurs**
 - **Provide secondary containment for drums**
 - **Clean stained areas and contain/manage spills**
- Perform maintenance activities indoors and under cover
- Properly dispose of blowdown with other oily waste waters
- Properly dispose of landscape waste, wash water, sweepings, and sediments.
- Use dry pavement cleaning methods
- Initiate employee spill prevention and response training



Spills Management

- Develop spill prevention plans to contain accidental and continuous releases of petroleum products and/or hazardous substances
- Identify proper reporting procedures to implement in the event of a spill
- **Immediate containment/cleanup of spills (common deficiency 2018)**
- Maintain Spill Response Kit
 - Fueling Stations/ Areas
 - Material Storage/Handling
 - Maintenance Areas
- Required agency notification
- Properly dispose all absorbent material



Lavatory Service Operations

- Purpose: Reduce and eliminate discharges to the storm drain system associated with ground servicing of aircraft lavatory facilities
- **Discharge and clean trucks only in triturate facilities. Do not discharge to sanitary sewer.**
- Capture drippage using buckets or pans
- Absorbent material and other containment equipment should always be readily available



Outdoor Handling of Material

- Purpose: Prevent or reduce the discharge of pollutants during loading and unloading of material and cargo
- Conduct loading/unloading under cover
- Transfer materials in paved areas away from storm drains
- Immediately contain and absorb leaks during transfers
- Use drip pans under hoses
- Keep containers closed when not in use.



Outdoor Material and Equipment Storage

- Purpose: Prevent or reduce discharge of pollutants from outdoor storage areas for significant material
- **Store on spill pallets, berming or secondary containment (common deficiency 2018)**
- Store materials indoors and under cover
- Conduct periodic inspections for spills, leaks, damaged containers/ hoses, and document
- Post Safety Data Sheet (SDS)
- Properly discharge stormwater/ spilled material from secondary collection
- Eliminate excessive oil and grease buildup on equipment



Waste Management

- **Provide sheltered and designated waste storage and recycling areas (common deficiency 2018)**
- Streamline operations to minimize waste generation
- Maintain records of waste generation and disposal
- Obtain appropriate registrations for any hazardous waste generation
- Properly manage Universal Waste
- Drain all fluid from parts and equipment prior to disposal
- Verify proper waste disposal practices for contractors.



Fire Fighting Foam Discharge

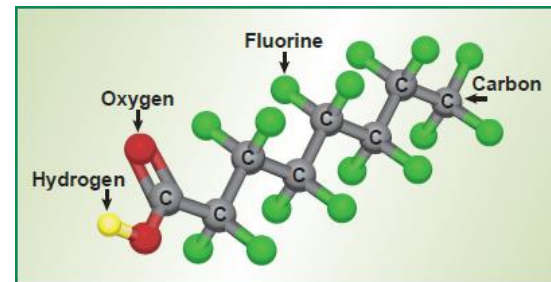
- **Purpose:** Eliminate discharges to the storm drain system associated with flushing or testing of FFFS
- Perform testing operations in designated areas
- Properly dispose or recycle foam discharge
- Service sump regularly
- Discharge must be collected, drummed, and transported to an approved and permitting facility
- Routinely clean and maintain collection vault as necessary
- Comply with requirements related to Chemical Bulk Storage



Perfluorinated Chemicals (PFCs)

NYSDEC Regulatory Impact Statement (April 25, 2016)

- PFOA-acid, PROA-salt, PFOS-acid, and PFOS-salt are added to the list of hazardous substances (6 NYCRR Section 597.3).
- Mixtures containing PFOA/PFOS in concentrations of 1% or more, stored in AST of 185 gallons or more or any size UST, are subject to CBS regulations.
- **Releases of PFOA/PFOS to the environment is prohibited.** Any release greater than 1 lbs, must be reported to the **NYSDEC spill hotline.**



Street Sweeping and Pavement Cleaning

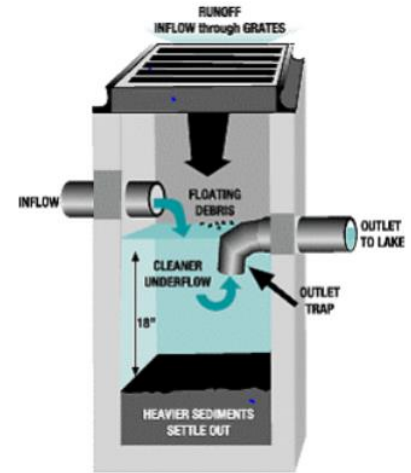
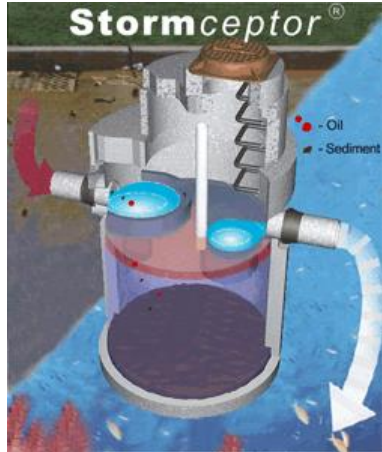
- **Purpose:** Reduce the amount of solids and floatable materials entering the storm system
- **Establish inspection schedule and regularly clean out catch basins (common deficiency 2018)**
- Street sweeping is required on a routine basis in catch basin areas. Aeronautical areas swept once per week
- Clean heavily utilized areas routinely to minimize small spills and leaks from entering storm drain
- Repair eroded sites



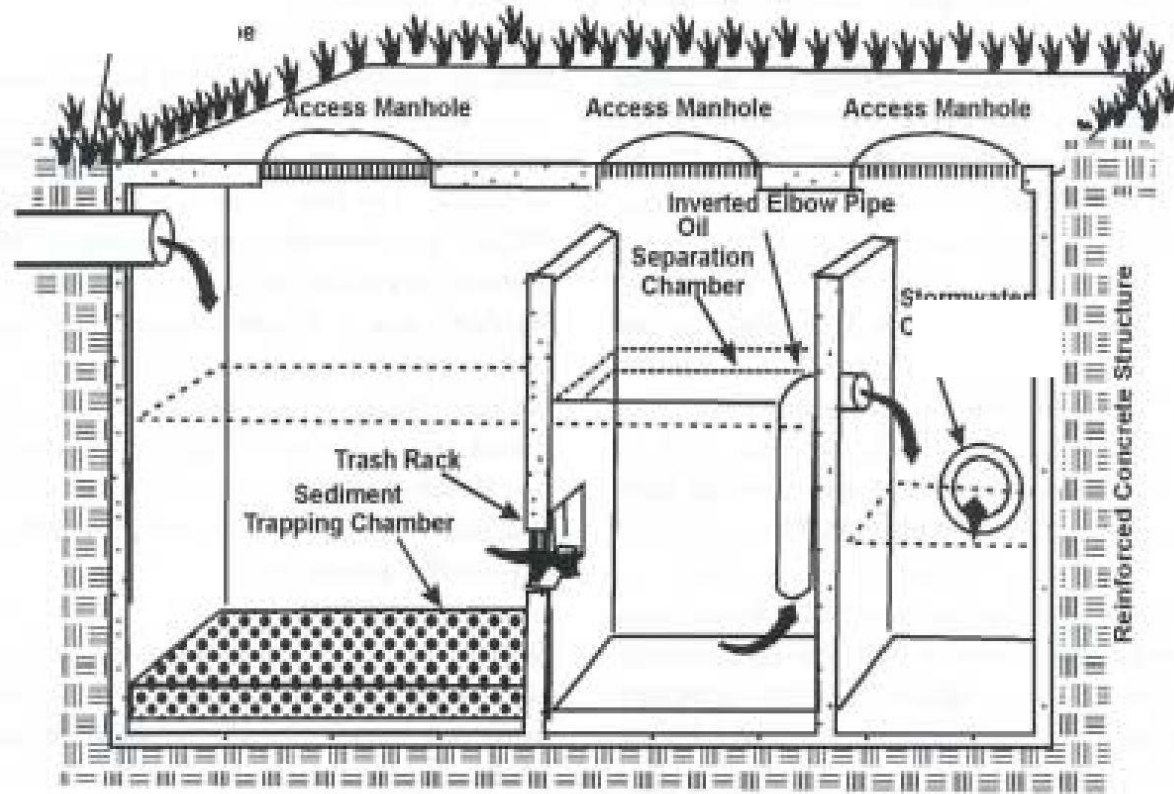
Stormwater Facility Maintenance

Oil/Water Separator, Catch Basins, Stormceptors

- Inspect and clean routinely for accumulated oil, grease, floating debris, and sediment
- Perform and document in a log book all inspections and maintenance operations
- Properly dispose of all liquid and solid waste from cleaning activities.



Typical Oil/Water Separator



Catch Basins

- Catch basins are cleaned when deposits are one-third the distance from the basin bottom to the invert of the pipe or opening into out of the basin.
- If woody debris or trash accumulates in a catch basin, **clean the basin on at least a weekly basis.**
- Remove immediately any petroleum material in catch basins (including a sheen).
- Refer to the stormceptors's O&M manual for recommended cleaning frequency.



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Tenant BMPP Implementation

Consists of:

- Attending BMPP Training
- Conduct Routine Facility Inspections
- Corrective Action for Environmental Infractions
- Complete Reporting Forms



Tenant BMPP Reporting Requirements	
Specific Reporting Forms	Frequency
Spill Reporting Form	Within one day of incident
Deicing/Anti-icing Reporting Form	By 15 th of the Month following deicing/anti-icing activities
Deicing Inspection Form	December 15 th annually
BMP Self-Inspection Form	April 30 th annually
Team Member Designation Form	At PANYNJ training and when new designations are made

Inspections and Records

- **Qualified personnel** shall inspect designated equipment and areas
- Regular visual inspections
- Inspections by the **Pollution Prevention Team** shall take place before and after storm events to ensure BMPs are effectively working
- Inspections shall take place during operation of equipment or activities being examined
- Records should be kept for 3 years

Recordkeeping for Routine Facility Inspections

- All routine inspections, cleaning activity, maintenance
 - Catch basins, O/W separators
 - Street sweeping and cleaning
 - Tanks, hoses, equipment
 - Monitoring equipment
- Waste generation and disposal
- Material usage
- List of spill kits on site
 - Perform inspections to observe uncharacteristic volumes, colors, turbidity, odors, deposition, staining, floatables, and foaming
- Contractor audits
 - Fueling, lavatory services, deicing



BMP Self Inspection Form

Activity Specific BMPs	BMP Applicable		BMP Implementation Effectiveness	
	Yes	No	Satisfactory	Needs Improvement
BMP 12: OUTDOOR MATERIALS AND EQUIPMENT STORAGE	<input type="checkbox"/>	<input type="checkbox"/>		
1. Are covers used to protect all materials stored outside?	Notes:		<input type="checkbox"/>	<input type="checkbox"/>
2. Are containerized, drummed, or bagged materials on spill pallets or similar method that provides secondary containment?			<input type="checkbox"/>	<input type="checkbox"/>
3. Are materials stored in properly designed areas away from catch basins?			<input type="checkbox"/>	<input type="checkbox"/>
4. Are drip pans and containers used in areas where drips or leaks may occur and while dispensing material?			<input type="checkbox"/>	<input type="checkbox"/>
5. Are berms, curbs, or other structures in place to minimize pollutants from entering the storm water system?			<input type="checkbox"/>	<input type="checkbox"/>
6. Are all containers properly labeled?			<input type="checkbox"/>	<input type="checkbox"/>
7. Are periodic inspections conducted for storage areas, including trash compactors and vehicles to identify leaks or housekeeping needs?			Frequency: _____	
BMP 13: WASTE MANAGEMENT	<input type="checkbox"/>	<input type="checkbox"/>		
1. Are measures taken to streamline operations to minimize waste?	Notes:		<input type="checkbox"/>	<input type="checkbox"/>
2. Are wastes segregated/separated/recycled to maximum extent?			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

Activity Specific BMPs	BMP Applicable		BMP Implementation Effectiveness	
	Yes	No	Satisfactory	Needs Improvement
BMP 15: STORMWATER POLLUTION PREVENTION EDUCATION	<input type="checkbox"/>	<input type="checkbox"/>		
1. Is an organization-wide BMP implementation training program in place to inform personnel? 2. Does the program adequately explain components and goals of Activity Specific BMPs, spill prevention and response and hazardous material management? 3. Is training mandatory for employees? 4. Are training records kept? 5. Is a log book kept to documents frequent inspections of work areas, waste storage facilities, maintenance areas, and contractor projects to confirm compliance with BMPs? 6. Has a member who is thoroughly familiar with the operation of the facility attended a PANYNJ BMPP implementation training session in the last 12 months?	Notes:		<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

IV. BMP ASSESSMENT AND CORRECTIVE ACTION
Instructions: Visual inspections evaluate the effectiveness of stormwater BMPs. Provide any observations taken during the inspection that may warrant revisions to the BMPs. Specify any deficiencies in the BMPs inspected and note any corrective action that may/should be taken.

1. OBSERVATIONS/COMMENTS:

2. CORRECTIVE ACTION:

Reporting of Spill Incidents

Petroleum Spills

Type of Spill	Quantity	Did Spill Enter Storm Drain?	Agency to Notify	Phone Number
Petroleum	Greater than (>) 5 gallons	Yes	NYSDEC NRC USCG PANYNJ	1-800-457-7362 1-800-424-8802 718-354-4120 <i>See Spill Guidance Sheet for all PANYNJ Numbers</i>
Petroleum	Greater than (>) 5 gallons	No	NYSDEC PANYNJ	1-800-457-7362 <i>See Spill Guidance Sheet for all PANYNJ Numbers</i>
Petroleum	Less than (<) 5 gallons	Yes	NYSDEC NRC USCG PANYNJ	1-800-457-7362 1-800-424-8802 718-354-4120 <i>See Spill Guidance Sheet for all PANYNJ Numbers</i>
Petroleum	Less than (<) 5 gallons	No	PANYNJ*	<i>See Spill Guidance Sheet for all PANYNJ Numbers</i>

* All Spills must be cleaned up within 2 hours of discovery or NYSDEC and NRC must be notified regardless of the quantity of material spilled.

Notify Environmental Services, PANYNJ Police and Operations of **any** spills

Complete PANYNJ Spill Reporting Form within **one business day**

Reporting of Spill Incidents

Hazardous Substance Spills

Type of Spill	Quantity	Did Spill Enter Storm Drain?	Agency to Notify	Phone Number
Hazardous Substance	Greater than (>) Reportable Quantity (RQ)	Yes	NYSDEC NRC USCG PANYNJ	1-800-457-7362 1-800-424-8802 718-354-4120 <i>See Spill Guidance Sheet for all PANYNJ Numbers</i>
Hazardous Substance	Greater than (>) Reportable Quantity (RQ)	No	NYSDEC NRC PANYNJ	1-800-457-7362 1-800-424-8802 <i>See Spill Guidance Sheet for all PANYNJ Numbers</i>
Hazardous Substance	Less than (<) Reportable Quantity (RQ)	Yes	NYSDEC NRC USCG PANYNJ	1-800-457-7362 1-800-424-8802 718-354-4120 <i>See Spill Guidance Sheet for all PANYNJ Numbers</i>
Hazardous Substance	Less than (<) Reportable Quantity (RQ)	No	PANYNJ*	<i>See Spill Guidance Sheet for all PANYNJ Numbers</i>

* All Spills must be cleaned up within 2 hours of discovery or NYSDEC and NRC must be notified regardless of the quantity of material spilled.

Notify Environmental Services, PANYNJ Police and Operations of **any spills**

Complete PANYNJ Spill Reporting Form within **one business day**

Reporting of Spill Incidents

Within **one day** **ALL SPILLS** must be reported to PANYNJ:

Tenants and contractors are required to notify Port Authority Central Police, Operations, and Environmental Services of any spill event.

***Port Authority Central Police: 718-244-4333**

***Port Authority Operations: 718-244-3800**

***Port Authority Environmental Services: 718-244-3568**

*Tenants and contractors must complete the Spill Reporting Form and submit to the Manager of Environmental Services JFK_Environmental@panynj.gov **within one business day of any spill event.***

Note: Reporting to the Port Authority does not preclude the requirement to contact other agencies (i.e. NYSDEC and NRC).

Examples to be reported of ANY QUANTITY:

- Fire Fighting Foam
- Maintenance or cleaning chemicals or soaps
- Maintenance or cleaning oils or fluids, hydraulic fluid
- Propylene Glycol – deicing chemicals or blends
- Potassium Acetate – deicing chemicals or blends
- Petroleum, Heating oil, and Hazardous Substances

IV. SPILL REPORTING

Instructions: Please completely fill out the following table identifying all aspects related to the individual spill event reported to the NYSDEC Spills Hotline and additional regulatory agencies. Provide the event date/time, location, type of spill, response, gallons spilled, cause/reason for spill or leak, NYSDEC spill number and the closure/corrective action status. Additional information regarding spill events may be obtained on the NYSDEC Spills incident database located at <http://www.dec.ny.gov/cfm/x/etapps/derexternal/index.cfm?pageid=2>.

GENERAL SPILL INFORMATION						
TIME/DATE OF SPILL:				COMMON NAME OF MATERIAL SPILLED:		
CHEMICAL ABSTRACTS SERVICES (CAS) NUMBER: (if applicable) reference at https://www.cas.org/				QUANTITY OF MATERIAL SPILLED:		
LOCATION OF SPILL: specify):	PAVEMENT	TARMAC	OTHER (please	QUANTITY DETERMINED BY (est., calc.):		
SPILL ENTERED CATCH BASIN?	YES	NO		WEATHER CONDITIONS:	RAIN	SNOW
					DRY	
NAME OF WATER BODY AFFECTED: (if applicable)				CLEANUP METHOD USED:		
CONTAINMENT METHOD USED: (please specify):	BOOMS	SPILL KIT	OTHER	WAS REPORTABLE QUANTITY (RQ) EXCEEDED? (reference at http://www.epa.gov/ceppo/pubs/title3.pdf)		

TIME/DATE OF SPILL:				COMMON NAME OF MATERIAL SPILLED:		
CHEMICAL ABSTRACTS SERVICES (CAS) NUMBER: (if applicable) reference at https://www.cas.org/				QUANTITY OF MATERIAL SPILLED:		
LOCATION OF SPILL:	PAVEMENT	TARMAC	OTHER (please specify):	QUANTITY DETERMINED BY (est., calc.):		
SPILL ENTERED CATCH BASIN?	YES	NO		WEATHER CONDITIONS:	RAIN	SNOW
					DRY	
NAME OF WATER BODY AFFECTED: (if applicable)				CLEANUP METHOD USED:		
CONTAINMENT METHOD USED:	BOOMS	SPILL KIT	OTHER (please specify):	WAS REPORTABLE QUANTITY (RQ) EXCEEDED? (reference at http://www.epa.gov/ceppo/pubs/title3.pdf)		

DESCRIPTION/CAUSE OF SPILL:	EQUIPMENT FAILURE	ACCIDENT	OTHER (please specify):
NAME/TITLE OF INDIVIDUAL REPORTING SPILL:			

AGENCIES/INDIVIDUALS NOTIFIED (INCLUDE DATE/TIME OF NOTIFICATIONS)		
Entity	Contact Name	Date/Time
SUPERVISOR/FACILITY MGR. FOR ALL SPILLS:		
NYSDEC—INCLUDE NYSDEC SPILL NO. (if applicable):		
NOTIFICATION TO JFK ENVIRONMENTAL SERVICES:		
PORT AUTHORITY OPERATIONS:		
PORT AUTHORITY POLICE:		
NATIONAL RESPONSE CENTER (NRC) 800/424-8802 (if RQ exceeded):		
UNITED STATES COAST GUARD:		
OTHERS NOTIFIED:		
INDIVIDUAL COMPLETING REPORT:		THE PORT AUTHORITY

Entity	Contact Name	Date/Time
SUPERVISOR/FACILITY MGR. FOR ALL SPILLS:		
NYSDEC—INCLUDE NYSDEC SPILL NO. (if applicable):		
NOTIFICATION TO JFK ENVIRONMENTAL SERVICES:		
PORT AUTHORITY OPERATIONS:		
PORT AUTHORITY POLICE:		
NATIONAL RESPONSE CENTER (NRC) 800/424-8802 (if RQ exceeded):		
UNITED STATES COAST GUARD:		
OTHERS NOTIFIED:		
INDIVIDUAL COMPLETING REPORT:		THE PORT AUTHORITY

PANYNJ Website

PANYNJ – JFK Airport BMPP Plan and Forms are available at:

<http://www.panynj.gov/airports/jfk-facts-info.html>

The following information is available on the PANYNJ Website

- [JFK Stormwater Best Management Practices Plan](#)
- [Deicing/Anti-icing Reporting Form](#)
- [BMPP Implementation Inspection Form](#)
- [Spill Reporting Form](#)
- [Environmental Infraction Corrective Action Inspection Form](#)
- [Pollution Prevention Team Member Designation Form](#)

Federal & State Links

- USEPA *Storm Water Management for Industrial Activities*, EPA 832-R-92-006
www.nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=20000469L.txt

- USEPA – Storm Water
www.epa.gov/ebtpages/watestormwater.html



- NYSDEC – Division of Water SPDES Program

www.dec.ny.gov/permits/6054.html



Questions?

Angela Altieri – aaltieri@panynj.gov 212-435-6106

Chris Jones – cjones@panynj.gov 718-244-3546

JFK_Environmental@panynj.gov