



NPDES Stormwater Permitting for Industrial Activity Sector S: Air Transportation Facilities

The 1972 amendments to the Federal Water Pollution Control Act (Clean Water Act or CWA) provide the statutory basis for the National Pollutant Discharge Elimination System (NPDES) permit program and the basic structure for regulating the discharge of pollutants from point sources to U.S. waters. **Section 402 of the Clean Water Act requires EPA to develop and implement the NPDES program.**

Sector S: Air Transportation

Sector S applies to stormwater discharges associated with Industrial Activity from vehicle maintenance areas, equipment cleaning areas, or deicing areas located at air transportation facilities.

[40 CFR 122.26(b)(14)]

The conditions of this sector apply to airports, airport terminals, airline carriers, and establishments engaged in servicing, repairing, or maintaining aircraft and ground vehicles, equipment cleaning and maintenance (including vehicle and equipment rehabilitation, mechanical repairs, painting, fueling, lubrication) or deicing/anti-icing operations which conduct the above described activities (facilities generally classified as SIC code 45).

Other operations include (not limited to):

- Ground vehicle and equipment maintenance and servicing
- Storage units of all materials (e.g., used oils, hydraulic fluids, spent solvents and waste aircraft fuel)
- Fuel servicing activities or other operations conducted in support of the airport fuel system
- Facilities which conduct aircraft and/or runway (including taxiways and ramps) deicing/anti-icing operations

Regulated Standard Industrial Classification (SIC) Codes

- 4512 Air Transportation, Scheduled
- 4513 Air Courier Services
- 4522 Air Transportation, Nonscheduled
- 4581 Airports, Flying Fields, and Airport Terminal Services

Monitoring: “Deicing”

Analytical monitoring is only required for airport facilities that use 100,000 gallons or more of glycol-based deicing/anti-icing chemicals and/or 100 tons or more of urea on an average annual basis.

“Deicing” is the process to remove frost, snow, or ice.

“Anti-icing” is the process which prevents the accumulation of frost, snow, or ice.

Industry Monitoring Requirements

Parameter	Benchmark Concentration
Biochemical Oxygen Demand (BOD ₅).	30 mg/L
Chemical Oxygen Demand (COD).	120 mg/L
Ammonia	19 mg/L
pH	6.0 to 9 s.u.

Notices Center

2600 Blair Stone Road, MS #3585

Tallahassee, FL 32399-2400

866-336-6312 (toll-free) or 850-245-7522

NPDES-stormwater@dep.state.fl.us

www.dep.state.fl.us/water/stormwater/npdes/



Discharge Monitoring Reports

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Tallahassee, FL 32399-2400

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Authority Specifications

Airports typically operate under a single management organization known as the airport authority. Airline carriers and other fixed base operators (e.g., fueling companies and maintenance shops) that have contracts with the airport authority to conduct business on airport property are commonly referred to as tenants of the airport.

Tenants may be of two types—those that are regulated as storm water dischargers associated with industrial activities under 40 CFR 122.26(b)(14) and those that are not.

- If the Airport Authority requests to retain permitting responsibility for all tenants, then one NOI and SWPPP is needed. All tenants must agree to the SWPPP requirements by signing and dating.
- If the Airport Authority does not choose to retain permitting coverage of their tenants, then each tenant must submit their NOI and develop their own SWPPP.

Recommended Best Management Practices BMPs

Stormwater treatment BMPs are intended to prevent or minimize the contamination of runoff, or treat runoff contaminated with pollutants.

Airport BMPs include (not limited to):

- Use of drip pans for the collection of fluid leaks
- Perform all maintenance activities, including storage of aircraft and ground vehicles indoors
- Washing over pervious area
- Use an oil/water separator
- Use a closed loop system
- Dispose of wastewater to sanitary sewage facility
- Maintain an inventory of organized materials used
- Draining all parts of fluids prior to disposal
- Prohibiting the practice of hosing down the apron or hangar floor
- Using dry cleanup methods in the event of spills and/or collect the stormwater runoff from maintenance and/or service areas to provide treatment

Permit Information

Operators of regulated industrial activities must obtain an NPDES stormwater permit and implement pollution prevention techniques to minimize contamination of stormwater runoff.

Upon coverage approval, the permittee will receive the Permit Rule Language, Acknowledgement Letter and Discharge Monitoring Report forms (where applicable).

Coverage under the Multi-Sector Generic Permit is effective for 5 years. Discharge Monitoring Reports must be submitted to DEP in years 2 & 4 (where applicable).

Sector S can be reviewed at the following web address:

<http://www.dep.state.fl.us/water/stormwater/npdes/docs/msgp/sfp.pdf>

How to stay in compliance

- Submit NOI and fee of \$500 on time.
Online: www.FLDEPportal.com/go/
Mail: NPDES Stormwater Notices Center
2600 Blair Stone Road MS 3585
Tallahassee, Florida 32399-2400
- Develop and implement a Stormwater Pollution Prevention Plan (SWPPP).
- For SWPPP Guidance visit:
<http://www.dep.state.fl.us/water/stormwater/npdes/swppp.htm>
- Train employees to follow the SWPPP.
- Inspect your site and conduct required monitoring as identified in your SWPPP.
- Document all changes to the SWPPP. Include the date the changes were made.

