

ADEQ Multi-Sector General Permit (MSGP) for Stormwater Discharges Associated with Industrial Activities for Sector AA: Fabricated Metal Products (SIC Code – 3411-3499); Jewelry, Silverware, and Plated Ware (SIC Code – 3911-3915); Coating, Engraving, and Allied Services (SIC Code – 3479)

What is the Industrial Stormwater Program?

The industrial stormwater program is part of the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act (CWA) and is intended to preserve, protect, and restore surface water quality. Arizona Department of Environmental Quality (ADEQ) was delegated responsibility for the implementation, compliance and enforcement of the NPDES permitting program in Arizona, except Indian lands, on Dec. 5, 2002 from the U.S. Environmental Protection Agency (U.S. EPA). Stormwater runoff is a leading source of water quality impairment in Arizona and nationwide.

Industry activities were categorized by sectors using Standard Industrial Classification (SIC) codes to identify those which should be regulated. U.S. EPA developed sector-specific requirements for facilities using control measures, inspections and monitoring. This sector includes plating and metal fabrication facilities. Stormwater leaving plating and metal fabrication facilities is often conveyed by storm sewer systems directly to rivers and streams without any treatment, which can degrade water quality, habitat, and limit recreational uses.

Activities such as electroplating, plating, galvanizing, coating, metalworking, painting, metal preparation, surface treatment of metals, and other operations that occur at these types of facilities are often conducted in areas exposed to stormwater. Improperly stored products or wastes can also lead to these contaminants being tracked outside of the facility and exposed to stormwater.



Leaks and spills can lead to hazardous constituents being tracked outside of the facility.

Runoff from these activities can result in the discharge of pollutants going directly into nearby water bodies or indirectly through storm sewer systems. Plating and metal fabrication industries include establishments primarily engaged in electroplating, plating, anodizing, coloring, and finishing of metals and formed products. It also includes activities such as painting, cleaning, shaving, chipping, grinding, welding, and other actions associated with the preparation and fabrication of structural metal components. Under the MSGP, these facilities are identified as Sector AA and are classified under Standard Industrial Classification Codes (SIC) 3411-3499, 3911-3915, and 3479.

Pollutants in stormwater discharges from plating and metal fabrication facilities can vary depending on the type of activities conducted on the site and the variety of chemicals stored on site. Pollutants for these types of facilities include: heavy metals, dusts, shavings, fines, galvanized metals, chlorinated solvents, paint, acids, and cyanides to name a few.

Do I need a MSGP for my Stormwater discharges?

If your facility has the potential to discharge stormwater to a Water of the U.S. (either directly or by way of a conveyance, such as a storm drain, street, ditch, etc.), then your facility must have MSGP coverage to be in compliance with the CWA and state rules. If your facility is regulated, but there are no industrial wastes, materials, and/or processes exposed to stormwater, you may choose to submit a No Exposure Certification (NEC).

What's Next? Basic Application Requirements

The facility operator must submit a complete Notice of Intent (NOI) form and application fee (see fee schedule table below). A Stormwater Pollution Prevention Plan (SWPPP) must be prepared and, in some cases, is required to be submitted for ADEQ review (see SWPPP submittal section of this fact sheet for details). Operators who are eligible for a NEC must complete and submit the form with the required fee instead of obtaining permit coverage [A.A.C. R18-9-A902(H)].

The NOI form can be submitted electronically via the Smart NOI web site at: <https://az.gov/app/smartnoi/>

Alternatively, you may submit a paper copy with an original signature to: ADEQ, Surface Water Section – Stormwater and General Permits Unit, 1110 West Washington Street, 5415A-1, Phoenix, Arizona 85007.

The NEC form is available on the website at: www.azdeq.gov/environ/water/permits/msgp.html

Stormwater Multi-Sector General Permit (MSGP) Fee Schedule

Number of Acres	Annual Fee
Less than or equal to 1	\$350
Greater than 1, but less than or equal to 40	\$500
Greater than 40	\$1,000
Stormwater Pollution Prevention Plan (SWPPP)	
ADEQ SWPPP Review (if required)	\$1,000
No Exposure	
Certification (5 year term)	\$1,250

Fees

The initial fee is due when the facility submits the NOI form to ADEQ and is based on the amount of acreage exposed to stormwater. The annual fee is assessed for the same amount every year on the anniversary date of permit coverage.

Stormwater Pollution Prevention Plan (SWPPP) Submittal

The SWPPP describes the potential pollutant sources and the best management practices (BMPs) used to prevent stormwater contamination. All facility operators of plating and metal fabrication facilities that have stormwater discharges associated with industrial activity are required to prepare a SWPPP before they obtain coverage under the MSGP. Facilities that discharge to an impaired water, an Outstanding Arizona Water (OAW), or to a tributary within 2.5 miles of an OAW or impaired water must submit a SWPPP to ADEQ for review, along with their NOI. General SWPPP requirements are discussed in Part 5 of the MSGP. Specific SWPPP requirements for Sector AA are discussed in Part 8 of the MSGP.

Best Management Practices (BMPs) for Plating and Metal Fabrication Facilities

BMPs are activities, practices, schedules, structures and maintenance procedures that facility operators can use to reduce the amount of pollution discharged

through stormwater from their sites. Site specific BMPs include: maintaining good housekeeping practices in metal fabrication areas; properly store materials and wastes by keeping them closed and stored in diked or bermed areas to prevent stormwater run-on; locate loading/unloading areas away from storm drains and surface water pathways; store all metalworking fluids with fine metal dust indoors; provide secondary containment for product and waste storage tanks; substitute nontoxic cleaning agents when possible; collect scrap metal, fines, and dust under cover and recycle; paint and sand indoors when possible; inspect the facility on a regular basis to ensure products and wastes are properly stored and not exposed to stormwater; and train employees on proper waste control and disposal procedures.

Reporting Requirements

All facilities must prepare an annual report on a form provided by the department and retain a copy of the report with the SWPPP. Only facilities that discharge to an impaired water or to an OAW (or discharge to a tributary within 2.5 miles) have to submit the annual report to ADEQ. The annual report is due on or before July 15 of each year until coverage is terminated. The annual report form is located at: www.azdeq.gov/environ/water/permits/download/2010/arf.pdf.

A Discharge Monitoring Report (DMR) is required because sector specific benchmark monitoring (sampling of the receiving water or discharge leaving the facility to determine overall effectiveness of the BMPs) is required by the MSGP. Depending on the results of benchmark monitoring, monitoring requirements may be satisfied for the permit term or, further sampling or changes to the existing control measures, may be required.

Additional monitoring may also be required for additional pollutant(s) if stormwater is discharged to a specific impaired water, to an OAW or to a tributary within 2.5 miles of an OAW or impaired water. A DMR is submitted

within the context of the annual report. The MSGP Industrial DMR Form is available at: www.azdeq.gov/environ/water/permits/download/2010/dmr.pdf.

On-Site Detention/Impoundment

Many facilities in Arizona have a surface impoundment to detain some stormwater runoff. These impoundments are regulated under ADEQ's Aquifer Protection Program (APP). To qualify for the APP statutory general permit (A.R.S. §49-245.01), the operator must have a Clean Water Act permit (i.e., MSGP).

Notice of Termination (NOT)

If activities at the facility cease or change such that they are no longer subject to industrial stormwater permitting, the facility operator may submit a completed Notice of Termination (NOT) form to ADEQ to closeout permit coverage. Also, if a new operator takes control of the industrial activity, the new operator must submit a NOI and obtain permit coverage and the former operator may submit a NOT. Completed NOT forms must be mailed or delivered to ADEQ at the address below. The NOT form is available at: www.azdeq.gov/environ/water/permits/msgp.html.

For Additional Information

For more information about the industrial stormwater program and how to obtain coverage under the MSGP, please contact ADEQ or visit: www.azdeq.gov/environ/water/permits/msgp.html.

For More Information Contact:

Christopher M. Henninger
Supervisor,
Stormwater and General Permits
Arizona Department of
Environmental Quality
1110 W. Washington St.
Phoenix, AZ 85007
Mail Code: 5415A-1
602.771.4508
or email: cph@azdeq.gov