

FACT SHEET/STATEMENT OF BASIS

**GENERAL MULTI-SECTOR PERMIT FOR STORM WATER DISCHARGES
ASSOCIATED WITH INDUSTRIAL ACTIVITY**

PERMIT NUMBER UTR000000

GROUP 5-PERMIT RENEWAL (SECTORS J, K, L, N, O, Q, S, V, X, Y and Z)

JANUARY 5, 2023

STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM MINERAL MINING AND PROCESSING FACILITIES, HAZARDOUS WASTE TREATMENT FACILITIES, LANDFILLS AND LAND APPLICATION SITES, SCRAP RECYCLING AND WASTE RECYCLING FACILITIES, STEAM ELECTRIC POWER GENERATING FACILITIES, VEHICLE MAINTENANCE AREAS AND EQUIPMENT CLEANING AREAS OF WATER TRANSPORTATION FACILITIES, VEHICLE MAINTENANCE AREAS AND EQUIPMENT CLEANING AREAS OR AIRPORT DEICING OPERATIONS LOCATED AT AIR TRANSPORTATION FACILITIES, TEXTILE MILLS, APPAREL AND OTHER FABRIC PRODUCT MANUFACTURING FACILITIES, PRINTING AND PUBLISHING FACILITIES, RUBBER AND MISCELLANEOUS PLASTIC PRODUCT MANUFACTURING FACILITIES AND LEATHER TANNING AND FINISHING FACILITIES.

GENERAL DESCRIPTION OF DISCHARGES AUTHORIZED UNDER THE MULTI SECTOR GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY:

Storm water drainage areas covered by this permit include but are not limited to discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters; sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water. Areas on industrial sites which are not regulated and need not be included in this permit (providing the storm water from these areas do not mix with storm water from regulated areas) are any undisturbed areas, office complexes not immediately connected with other industrial areas, and parking lots for office complexes (unless industrial materials or equipment travel over these parking lots).

This permit regulates storm water only. A facility may have other permitted discharges at the site such as process water covered under a separate UPDES permit. Also allowed in a storm water discharge under this permit are emergency fire-fighting activities; fire hydrant flushings; potable water sources including waterline flushings; drinking fountain water; irrigation drainage; lawn watering; routine external building wash down that does not use detergents or other compounds; pavement wash waters where spills or leaks of toxic or hazardous materials (including oils and fuels) have not occurred (unless all spilled material has been removed) and where detergents are not used; air conditioning condensate; uncontaminated compressor condensate; uncontaminated springs; uncontaminated ground water; incidental windblown mist from cooling towers that is not intentionally discharged (e.g. piped cooling tower blowdown); and

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foundation or footing drains where flows are not contaminated with process materials such as solvents.

For administrative reasons the permit sectors were broken out into five groups. Although the permit is designed and structured to allow coverage for any sector it is the intention of DWQ to primarily provide coverage only for discharges from the inclusive sectors of Group 5 under this permit renewal for Group 5 (Sectors J, K, L, N, O, Q, S, V, X, Y, and Z).

MSGP GROUP 5 COVERAGE:

MSGP Group 5 covers facilities where the primary industrial activity is from Sectors J, K, L, N, O, Q, S, V, X, Y, and Z. Storm Water Discharges Associated with Industrial Activity from these Sectors include; Mineral Mining and Processing Facilities, Hazardous Waste Treatment Storage or Disposal Facilities, Landfills and Land Application Sites. Scrap Recycling and Waste Recycling Facilities, Steam Electric Power Generating Facilities, Vehicle Maintenance Areas and Equipment Cleaning Areas of Water Transportation Facilities, Vehicle Maintenance Areas and Equipment Cleaning Areas or Airport Deicing Operations Located at Air Transportation Facilities, Textile Mills, Apparel and Other Fabric Product Manufacturing Facilities, Printing and Publishing Facilities, Rubber and Miscellaneous Plastic Product Manufacturing Facilities and Leather Tanning and Finishing Facilities. Other industrial activities at a facility that are covered under a MSGP Group 5 permit but are classified in other Sectors may be covered by this permit if the other activity is secondary to the activities of the Sectors listed above. These sectors include facilities under standard industrial classification codes 14, 5093, 44, 45, 22, 23, 31, 2711-2732, 2741, 2752, 2754, 2759, 2761-2791, 2796, 30, 39, and other as designated including Hazardous Waste Treatment Storage or Disposal Facilities, Landfills and Land Application Sites, and Steam Electric Power Generating Facilities.

SUMMARY OF CHANGES FROM PREVIOUS PERMIT SECTION:

Below is a list of changes made to the 2023 version of the Group 5 section of the MSGP. Changes apply to all Sectors within Group 5 unless specifically identified by Sector.

- 1) The inactive and unstaffed waiver requirements were updated to state that the NOI must show an inactive and unstaffed status to qualify. This status must be updated if it changes. NeT MSGP allows permittees to submit this change through the database and is the primary way to track this status. The previous version of the permit stated that a certification was required to be kept with the pollution prevention plan.
- 2) SIC codes have been added to analytical monitoring requirements to make it easier to identify the sampling requirements for a specific facility.
- 3) The exemption to identify firefighting activities as a non-storm water discharge has been updated to specify that only “emergency” fire-fighting activities are exempt.
- 4) Minor grammatical, wording, and format modifications.
- 5) All sectors with analytical monitoring have been updated to explain that exceedance of benchmark levels requires a review of current controls. These requirements are similar to the requirements of the 2021 EPA MSGP. Previously, there was no explicit requirement for action when benchmark levels were exceeded, however it was the intent of the permit that

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this information would be used to determine if controls were effective.

- 6) A note has been added to all sectors with analytical monitoring for total suspended solids (TSS) that this parameter does not need to be sampled for storm water that is infiltrating to groundwater.
- 7) A section has been added to all sectors under Non-Storm Water Discharges, “Copy of Other Permits”, that requires attaching other UPDES permits for wastewater discharges via an existing UPDES permit to the SWPPP if the facility discharges wastewater.
- 8) Sectors J, K, L, N, S, and Y - A minimum annual frequency for employee training was added. This was already specified in Sectors O, Q, V, X, and Z.
- 9) Sector K – The ammonia, arsenic, cadmium, cyanide, mercury, selenium, and silver benchmarks have been updated and magnesium removed to be consistent with the 2021 EPA MSGP. EPA has suspended benchmark monitoring thresholds for magnesium based on the lack of documented acute toxicity and NRC study recommendations.
- 10) Sectors L, N, O, Q – The iron benchmark has been removed to be consistent with the 2021 EPA MSGP for these sectors. EPA has suspended benchmark monitoring thresholds for iron based on the lack of documented acute toxicity and NRC study recommendations.
- 11) Sector N – The copper benchmark has been updated to be consistent with the levels in the 2021 EPA MSGP.
- 12) Sectors N, Q – The aluminum benchmark has been updated to be consistent with the levels in the 2021 EPA MSGP.
- 13) Sectors K, N – The lead benchmark has been updated to be consistent with the hardness dependent levels in the 2021 EPA MSGP permit.
- 14) Sector N, Y – The zinc benchmark has been updated to be consistent with the hardness dependent levels in the 2021 EPA MSGP permit.
- 15) Sector K – A minimum quarterly frequency for inspections has been added. This is consistent with EPA’s 2021 MSGP inspection requirements for this sector. Previously there was no defined frequency.
- 16) Sectors J, L, K, N, O, Q, S, Y - The Low Concentration Waiver which allows monitoring requirements to be waived during the second year of sampling has been removed because there is only one monitoring year during this sector renewal cycle.

PERMIT CONDITIONS:

The strategy for storm water permitting is to focus on source control rather than, but not precluding, traditional end of pipe treatment. The major portion of this permit requires a pollution prevention plan to be designed by the facility to accomplish the following:

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- 1) Identify personnel for a pollution prevention team, responsible for developing the pollution prevention plan and assisting the facility or manager in its implementation, maintenance, and revision.
- 2) Identify and describe potential storm water pollution sources. Steps to accomplish this are listed below:
 - a) Develop site maps showing drainage, structural controls, spill areas, areas with pollution risks, areas with erosion risks, and water bodies;
 - b) Generate and maintain an inventory of exposed materials;
 - c) List times and locations of significant spills or leaks of toxic or hazardous pollutants;
 - d) Certify that there are no non-storm water discharges except those allowed in the permit; and
 - e) Evaluate the risks of storm water pollution on industrial activities that take place on site;
- 3) Identify and implement management and structural control measures to prevent storm water pollution. Steps to accomplish this are listed below:
 - a) Maintain good housekeeping;
 - b) Provide inspection and maintenance of storm water equipment;
 - c) Identify spill areas and provide material handling procedures, storage requirements, and clean up responses and equipment;
 - d) Provide training programs for employees affected by the pollution prevention plan;
 - e) Develop record keeping systems and reporting systems for inspections, reports, spills, and maintenance;
 - f) Develop plans to reduce erosion from storm water or the transport of sediment by storm water; and
 - g) Develop a plan for the management of storm water considering the most effective use of traditional or source control storm water management systems.
- 4) Provide comprehensive site compliance evaluations.
- 5) Perform visual monitoring of storm water runoff during storms that is representative of permitted areas of the site.

EFFLUENT LIMITATIONS

Effluent limitations included in the permit are for coal pile runoff (if applicable). Coal pile runoff must maintain a pH in the range of 6.5 to 9.0 in accordance with secondary treatment standards (*UAC R317-1-3.2*), and must maintain a total suspended solids limit of 50 mg/L based on the limit given to steam electric power generating Best Available Technologies (*40 CFR 423.12(b)(9)*).

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PERMIT DURATION: As stated in UAC R317-8-5.1(1), UPDES permits shall be effective for a fixed term not to exceed five (5) years. The permit language for the Group 5 sectors is set to expire on December 31, 2023 to coincide with the expiration of the main MSGP.

PUBLIC NOTICE INFORMATION

Began: December 1, 2022

Ended: January 2, 2023

Public Notification Publications: DWQ website, Deseret News and Salt Lake Tribune

No comments were received during this comment period.

This permit section and fact sheet was modified from the 2018 version. It was drafted by Carl Adams, Industrial Program Coordinator, Utah Division of Water Quality on November 21, 2022.