

**Division of Water Quality
Utah Department of Environmental Quality
Public Notice of Issuance of Ground Water Discharge Permit
Permit No. UGW450012**

Purpose of Public Notice

The Utah Department of Environmental Quality (DEQ) is soliciting comments on the request to issue a ground water discharge permit as described below. The ground water discharge permit is issued by the Director of the Division of Water Quality under authority of the Utah Water Quality Act, Section 19-5-106(g) Utah Code Ann. 1953, as amended and Utah Administrative Code R317-6. Under Section 19-1-301.5, effective May 8, 2012, a person who wishes to challenge a Permit Order may only raise an issue or argument during an adjudicatory proceeding that was raised during the public comment period and was supported with sufficient information or documentation to enable the Director to fully consider the substance and significance of the issue. Utah Code Ann. 19-1-301.5 can be viewed at the following internet URL: <http://le.utah.gov/xcode/Title19/Chapter1/19-1-S301.5.html>.

Permit Information

Permitte: US Magnesium LLC

Mailing Address: 236 North 2200 West
Salt Lake City, UT 84116

Facility Location: 15 miles north of Exit 77 of I-80 in Rowley, Tooele County, Utah.

US Magnesium produces magnesium metal and chlorine byproducts from concentrated Great Salt Lake brine. Wastewater from the various processes used in the manufacture is highly acidic (low pH) and contains levels of chlorinated hydrocarbons and other organic compounds. This wastewater is currently stored in two diked, unlined impoundments located northeast of the plant site for disposal by evaporation. Dissolution of the carbonate-containing sediments that the impoundments are located upon has resulted in leaks of wastewater outside the pond dikes.

As a result of regulation by the US Environmental Protection Agency and the Utah Division of Waste Management and Radiation Control under the RCRA and CERCLA programs, US Magnesium must contain this wastewater in a way that minimizes threats to human health and the environment. The primary environmental threat posed by this wastewater is harm to the ecosystem of the salt flats and, potentially, the Great Salt Lake.

At present, US Magnesium plans to contain its wastewater by constructing a new evaporation pond in roughly the same footprint as the existing ponds, surrounded by a dike and low-permeability subsurface barrier wall keyed in to a layer of sediment with low permeability that exists approximately 35 to 55 feet below ground surface. This will minimize discharge of wastewater to ground water and potentially to surface water. The amount of carbonate-containing sediment underneath the new pond, contained by the barrier wall, should be adequate to neutralize wastewater that seeps into the subsurface, for the life of the manufacturing plant. Under the CERCLA program, US Magnesium must develop a plan to prevent harmful releases of contaminants from the impoundment after facility closure.

This initial version of the permit will impose conditions on US Magnesium to ensure that existing facilities, primarily the two diked evaporation ponds, are operated in a manner to minimize potential discharges to surface water. The permit contains several categories of information that must be obtained, or containment structures that must be constructed, before specified deadlines (compliance schedule items). As these compliance schedule items are completed, the permit will be modified to reflect better knowledge of site conditions, to regulate the operation of new containment facilities, and to monitor their performance. The intent of the permit is to eventually minimize discharge of wastewater to ground water and to prevent harm to the ecology of the salt flats

environment and the Great Salt Lake. Permit conditions and their background are more fully explained in the draft permit and statement of basis which can be accessed on the DWQ web page cited below.

Public Comments

Public comments are invited any time prior to **Monday, October 15, 2018**. Written comments may be directed to the Division of Water Quality (DWQ), P.O. Box 144870, Salt Lake City, UT 84114-4870. All comments received prior to close of business to **Monday, October 15, 2018**, will be considered in the formulation of final conditions to be imposed on the permit.

Additional Information

Additional information may be obtained upon request by contacting Mark Novak at (801) 536-4358 or mnovak@utah.gov or by writing to the aforementioned address. Related documents are available for review during normal business hours at DWQ, 195 North 1950 West in Salt Lake City or on the DWQ web page at <https://deq.utah.gov/division-water-quality>

In compliance with the Americans with Disabilities Act, individuals with special needs (including auxiliary communicative aids and services) should contact Larene Wyss, Office of Human Resources at (801) 536-4284, TDD (801) 536-4284.

PROOF OF PUBLICATION

STATE OF UTAH }
County of Tooele } SS.

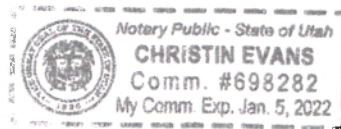
I, Scott C. Dunn, being first duly sworn, depose and say that I am the Publisher of the Tooele Transcript-Bulletin, a twice-weekly newspaper of general circulation published each Tuesday and Thursday at Tooele City, Tooele County, Utah; that the notice attached hereto and which is a part of the proof of publication of

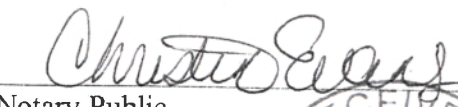
Public Notice Division of Water Quality

was published in said newspaper for one issue(s), the first publication having been made on the 13th day of September, 2018, and the last on the 13th day of September, 2018; that said notice was published in the regular and entire issue of every Thursday edition of the newspaper during the period and time of publication, and the same was published in a newspaper proper and not in a supplement. Said notice was also placed online at www.utahlegals.com.


Scott C. Dunn

Subscribed and sworn to me this 24th day of October, 2018.




Notary Public

TOOELE TRANSCRIPT BULLETIN



PUBLIC NOTICE

Division of Water
Quality Utah Department
of Environmental
Quality

Public Notice of Issu-
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Discharge Permit

Permit No. UGW450012

Purpose of Public No-
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sued by the Director of

the Division of Water
Quality under authority
of the Utah Water

Quality Act, Section
19-5-106(g) Utah
Code Ann. 1953, as

amended and Utah
Administrative Code
R317-6. Under Sec-

tion 19-1-301.5, effec-
tive May 8, 2012, a
person who wishes to

challenge a Permit Or-
der may only raise an
issue or argument dur-

ing an adjudicatory
proceeding that was
raised during the pub-

lic comment period
and was supported
with sufficient infor-

mation or documenta-
tion to enable the Director
to fully consider the

substance and signifi-
cance of the issue.
Utah Code Ann.

19-1-301.5 can be
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Permit Information
Permittee: US Magnesium LLC

Mailing Address:
236 North 2200 West
Salt Lake City, UT 84116

Facility Location: 15
miles north of Exit 77
on I-80 in Rowley,
Tooele County, Utah.

S Magnesium pro-
cesses magnesium
metal and chlorine by-
products from concen-
trated Great Salt Lake
brine. Wastewater

TOOELE TRANSCRIPT BULLETIN

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ADVERTISING INVOICE / STATEMENT

BILLED ACCOUNT
EMILY DANTON DIVISION OF WATER QUALITY PO BOX 144870 SALT LAKE CITY, UT 84114

BILLING DATE	TERMS OF PAYMENT
9/30/18	Standard Terms

BILLED ACCOUNT NO.	AGENCY/CLIENT
01107950	01107950

NAME OF AGENCY / CLIENT
DIVISION OF WATER QUALITY

DATE	TRANS #	DESCRIPTION	INS	SAU DIMENSIONS	UNITS	RATE	AMOUNT	TOTAL
09/14/2018	00453528	PUBLIC NOTICE Division Legals on Internet 01 Transcript - PUBLIC NO	1		253	0.60	0.50 151.80	0.50 152.30

1000 480 7759 NAE 7ADA 6131

8/11/26

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OCT 15 2018

[Signature]

Utah Division of Water Quality

CURRENT	AGING			
	30 DAYS	60 DAYS	90 DAYS	120+ DAYS
152.30	0.00	0.00	0.00	0.00

TOTAL NET AMOUNT DUE
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