



**REGION 6
1445 ROSS AVENUE
DALLAS, TEXAS 75202-2733
NM0030953**

NPDES Permit No.

**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"),

Navajo Dam DWC & MSW, Inc.
P.O. Box 6308
Navajo Dam, New Mexico 87419

is NOT authorized to discharge from a facility located at 4 County Road 42670, Navajo Dam, San Juan County, New Mexico

to receiving waters named the San Juan River in Segment No. 20.6.4.405 of the San Juan River Basin,

in accordance with this cover page and the effluent limitations, monitoring requirements, and other conditions set forth in Part I, Part II, Part III hereof.

This permit supersedes and replaces NPDES Permit No. NM0030953 issued July 30, 2007.

This permit shall become effective on

This permit and the authorization to discharge shall expire at midnight,

Issued on

Prepared by

William K. Honker, P.E.
Division Director
Water Quality Protection Division (6WQ)

Suzanna M. Perea
Environmental Scientist
Permits & Technical Section (6WQ-PP)

(This page intentionally left blank)

PART I – REQUIREMENTS FOR NPDES PERMITS

SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS

1. Final Effluent Limits – 0.004 MGD Design Flow

During the period beginning the effective date of the permit and lasting until the expiration date of the permit (unless otherwise noted), the permittee is NOT authorized to discharge backwash and flush water to the San Jan River in Segment No. 20.6.4.405 of the San Juan River

Basin from Outfall 001. The permittee shall take all reasonable steps to prevent a discharge. In the event of emergency discharges, the permittee shall be subject to the limitations and monitoring requirements specified below and in Part II.A:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	MINIMUM	MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
POLLUTANT				
pH, s.u.	6.6 ⁽²⁾	8.8	1/Day	Grab
Specific conductance, μ S/cm	300 ⁽²⁾	1500	1/Week ⁽¹⁾	Grab

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	mg/L, unless noted ⁽⁵⁾		MEASUREMENT FREQUENCY	SAMPLE TYPE
POLLUTANT	30-DAY AVG	DAILY MAX		
Flow	Report MGD	Report MGD	1/Day	Estimate
Total Suspended Solids	20	30	1/Week ⁽¹⁾	Grab
Dissolved Selenium, in presence of \leq 500 mg/l SO ₄	NA	0.13	1/Week ⁽¹⁾	Grab
Dissolved Selenium, in presence of $>$ 500 mg/l SO ₄	NA	0.25	1/Week ⁽¹⁾	Grab
<i>E. coli</i> , cfu/100 ml	126	235	1/Week ⁽¹⁾	Grab
Dissolved Oxygen	NA	6.0 ⁽²⁾	1/Week ⁽¹⁾	Grab
Temperature	20°C ⁽²⁾⁽³⁾	23°C ⁽²⁾	1/Week ⁽¹⁾	Instantaneous Grab ⁽²⁾
Total Residual Chlorine	N/A	11 μ g/l ⁽⁴⁾	Daily ⁽¹⁾	Instantaneous Grab ^(2,4)

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
	30-DAY AVG MINIMUM	48-HR. MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
WHOLE EFFLUENT TOXICITY TESTING ⁽⁵⁾ (48-Hr. Static Renewal)				
<i>Daphnia pulex</i>	Report	Report	Once /Year ⁽⁶⁾	Grab
<i>Pimephales promelas</i>	Report	Report	Once /Year ⁽⁶⁾	Grab

Footnotes:

- 1 In the event of emergency discharges.
- 2 Minimum value. Instantaneous grab samples are to be taken between the times of 10:00 am-2:00 pm.
- 3 4T3 temperature.
- 4 The effluent limitation for TRC is the instantaneous maximum grab sample taken during periods of chlorine use and can not be averaged for reporting purposes. Instantaneous maximum is defined in 40 CFR Part 136 as being measured within 15 minutes of sampling.
- 5 See Part II. Section A. Minimum Quantification Level (MQL) of permit.
- 6 Once per year. The test shall take place between November 1 and April 30 during the first year of the permit term. This permit does not establish requirements to automatically increase the WET testing frequency after a test failure, or to begin a toxicity reduction evaluation (TRE) in the event of multiple failures. However, upon failure of any WET test, the permittee must report the results to EPA and NMED, Surface Water Quality Bureau, in writing, within 5 business days of notification of the test failure. EPA and NMED will review the test results and determine the appropriate action necessary, if any.

FLOATING SOLIDS, VISIBLE FOAM AND/OR OILS

There shall be no discharge of floating solids or visible foam in other than trace amounts. There shall be no discharge of visible films of oil, globules of oil, grease or solids in or on the water, or coatings on stream banks.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the discharge from the final treatment unit prior to the receiving stream.

B. SCHEDULE OF COMPLIANCE

1. In the event of emergency discharges, monitoring of TSS, E. coli, TRC, DO, specific conductance, temperature, and dissolved selenium are to be conducted upon initial discharge then at the frequencies required in Section A, above.
2. Upon initial discharge, effluent shall be tested for the expanded pollutants listed in section Part D of Form 2A. The analysis report shall be submitted to EPA within 60 days of initial discharge.

C. MONITORING AND REPORTING (MINOR DISCHARGERS)

Monitoring information shall be on Discharge Monitoring Report Form(s) EPA 3320-1 as specified in Part III.D.4 of this permit and shall be submitted quarterly. Each quarterly submittal shall include separate forms for each month of the reporting period.

1. Reporting periods shall end on the last day of the months March, June, September, and December.
2. The permittee is required to submit regular quarterly reports as described above postmarked no later than the 28th day of the month following each reporting period.
3. NO DISCHARGE REPORTING

If there is no discharge from any outfall during the sampling month, place an "X" in the NO DISCHARGE box located in the upper right corner of the Discharge Monitoring Report.