

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(pursuant to NAC 445A.236)

Applicant: Nevada Wood Preserving
PO Box 350
Silver Springs, NV 89429

Permit Number: NEV2009508

Location: Nevada Wood Preserving
1680 Spruce Avenue
Silver Springs, Lyon County, Nevada 89429
Latitude: 39° 23' 20.4" N, Longitude: 119° 13' 6.6" W
Section 19, T18N, R25E MDB&M

Discharge Outfalls: 001: Kiln-dried untreated lumber excess moisture storage tank
Latitude 39 ° 23' 20.4" N, Longitude 119° 13' 6.6" W

General: The Permittee has applied for a 5-Year Groundwater Discharge Permit, NEV2009508, to discharge excess moisture from kiln-dried untreated lumber, collected and stored for use as dust control on facility grounds, located at 1680 Spruce Avenue, in Silver Springs, Lyon County, Nevada. Nevada Wood Preserving (NWP) operates a wood-treating facility at the Spruce address. One source of wood for treatment is previously untreated lumber. The untreated lumber moisture content is approximately 30% and the lumber requires kiln-drying before treating. The drying process produces excess moisture that is captured by a sump and pumped into a 13,200 gallon storage tank. NWP is proposing to use the water collected by the kiln sump for facility grounds dust control. The maximum rate of dust control discharge is 145 gallons per minute. The maximum daily hours of dust control applied discharge is permitted at 10 hours per day for a maximum daily discharge of 87,000 gallons per day. Water applied for dust control water will not be permitted to come into contact with treated or untreated lumber stored on the facility grounds. An existing set of three monitoring wells surrounding the NWP facility is used for evaluating groundwater conditions. An existing Administrative Order on Consent (AOC), issued September 8, 2005, requires groundwater monitoring and sampling of each of the monitoring wells semi-annually for specific parameters. This permit will incorporate all the requirements currently contained in the AOC. The AOC will be terminated as a result of this permit issuance.

Flow: The facility's daily maximum flow is requested at 145 gallons per minute (gpm), for no more than 10 hours a day. Dust control usage is to be permitted at a maximum of 87,000 gallons per day.

Receiving Water Characteristics: Groundwater in the area of the facility where dust control will be applied is generally potable. Recent data collected revealed no concentrations of any contaminants exceeding State standards or limits. No exceedances of the AOC required monitoring parameters have been noted.

Site Groundwater: The water table is approximately 45 feet below ground surface. Groundwater flow direction is southeast towards the Lahontan Reservoir.

Corrective Action Sites: There are no Bureau of Corrective Actions remediation sites within a one-mile radius of the facility.

Well Head and Drinking Water Supply Protection: The facility is within 6,000 feet of a public water supply, but outside of the 3,000-foot drinking water protection area (DWPA). The facility is not within an established Wellhead Protection Area (WHPA).

Proposed Discharge Limitations, Sampling and Monitoring Requirements: During the period beginning on the effective date of this permit and lasting until the permit expires, the Permittee is authorized to discharge kiln-dried untreated lumber excess moisture, for facility grounds dust control, with appropriate restrictions and conditions. Semi-annual reporting is required by the permit.

Table I. Discharge Limits, Sampling and Monitoring Requirements

Parameters	Units	Discharge Limits	Monitoring Requirements		
		Daily Maximum	Sampling Locations	Monitoring Frequency	Monitoring Type
Depth to Groundwater ¹	feet	M&R	*	Semi-Annually ⁵	Field Measurement
Groundwater Elevation ¹	feet > AMSL	M&R	*	Semi-Annually ⁵	Calculation
Groundwater gradient & flow direction ¹	ft/ft	M&R	*	Semi-Annually ⁵	Calculation
pH	S.U.	M&R	*	Semi-Annually ⁵	Discrete
Total Dissolved Solids	mg/l	M&R	*	Semi-Annually ⁵	Discrete
Pentachlorophenol ²	mg/l	0.001	*	Semi-Annually ⁵	Discrete
Total Arsenic	mg/l	M&R	*	Semi-Annually ⁵	Discrete
Total Chromium	mg/l	0.05	*	Semi-Annually ⁵	Discrete
Hexavalent Chromium (Cr ⁶⁺)	mg/l	M&R	*	Semi-Annually ⁵	Discrete
Total Copper	mg/l	1.0	*	Semi-Annually ⁵	Discrete
Total Boron	mg/l	M&R	*	Semi-Annually ⁵	Discrete
Dust Control Use Rate	MGD	0.087	001	Daily	Calculation
Daily Application Rate	ac/ day	M&R	001	Daily	Calculation
pH	S.U.	M&R	001	Annually	Discrete
TPH ³	mg/l	M&R	001	Annually	Discrete
Profile I parameters ⁴	mg/l	M&R	001	Annually	Discrete

NOTES: * Groundwater Monitoring Wells MW-1, MW-2B, & MW-3.

001 = Outfall 001, storage tank discharge outlet, prior to conveyance to water trucks;

M&R: Monitor & Report

ft/ft: feet per feet

MGD: million gallons per day

S.U.: Standard pH units

mg/l: milligrams per liter

ac/day: acres per day applied for dust control

Hexavalent Chromium: Use EPA Method 218.6 or equivalent, with a reporting limit of 0.001 mg/l.

1. Monitor and report the parameters listed from the on-site monitoring wells; indicate flow direction (ie NNE).

2. Pentachlorophenol unfiltered sample to be analyzed using EPA Method 8151.

3. Sample and report purgeable and extractable TPH annually in calendar year 4th quarter. Report the full range of hydrocarbons, C6-C40, using EPA Methods 8015B and 8260B or equivalent methods and report all parameters.

4. Sample and report total recoverable Profile I metals annually in calendar year 4th quarter. Report all parameters on Profile I list.
5. Semi-annual sampling to be conducted in calendar year 2nd and 4th quarters.

Rationale for Permit Requirements: The Division has established the monitoring requirements in Table I. to ensure that waters of the State are not degraded as a result of project activities.

Groundwater Information: M&R. On-site groundwater monitoring shall provide information on a semi-annual basis for the parameters listed in Table I, originally required by the AOC.

Groundwater depth, elevation and flow direction: M&R;

pH, TDS, Arsenic, Hexavalent Chromium, and Boron: M&R;

Pentachlorophenol: 0.001 mg/l;

Total Chromium: 0.05 mg/l;

Total Copper: 0.01 mg/l; and,

Total Arsenic: 0.01 mg/l.

Dust Control Applications: Maximum daily flow -145 gpm. The rationale for the maximum daily discharge limit was explained in the Flow section of this fact sheet. The monitoring shall also include acreage of pervious surfaces of daily dust control applications.

MW parameters: M&R. Monitor or sample semi-annually to continue to provide information on groundwater water quality.

pH: M&R. Sample annually to gain information on dust control applications water quality.

TPH: M&R. Sample annually to gain information on dust control applications water quality.

Profile I: M&R. Sample annually to gain information on dust control applications water quality.

Schedule of Compliance: The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications which the Administrator may make in approving the schedule of compliance:

- The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.
- By **MM DD, 2011** the Permittee shall submit to the Division, for review and approval, an updated Operations & Maintenance (O&M) Manual prepared in accordance with the Division's WTS-2 guidance: *Minimum Information Required for an Operations and Maintenance Manual*. The O&M Manual shall include information on the operation and maintenance of the monitoring wells, kiln sump, piping, storage tank, secondary containment, pumps and water delivery trucks.

All schedule of compliance submittals and evidence of compliance documents shall be submitted to the Bureau of Water Pollution Control Compliance Coordinator at the address listed below:

**Division of Environmental Protection
Bureau of Water Pollution Control
ATTN: Compliance Coordinator**

**901 S. Stewart Street, Suite 4001
Carson City, Nevada 89701**

Before implementing changes to an approved O&M Manual, the Permittee shall submit proposed changes to the Division for review and approval.

Proposed Determination: The Division has made the tentative determination to issue the proposed renewal permit for a period of five (5) years.

Procedures for Public Comment: The Notice of the Division's intent to issue a new groundwater discharge permit authorizing this facility to discharge to groundwaters of the State for a five-year period, subject to the conditions contained within the permit, is being sent to the **Reno Gazette Journal** and to the **Mason Valley News** for publication. The Notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of thirty (30) days following the date of publication of the public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is **February 21, 2011 by 5:00 P.M.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Prepared by: Jeryl R. Gardner, P.E.
Date: January, 2011