

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
FACT SHEET
(pursuant to NAC 445A.236)

Permittee Name: Four Way Bar, Café, and Casino
P. O. Box 515
Wells, Nevada, 89835

Permit Number: NV0023752

Discharge Location:: Four Way Truck Stop Petroleum Remediation System
174 U.S. Highway 93
Wells, Elko County, Nevada 89835
Township 37N, Range 62E, Section 10
Latitude: 41.100752° N (41° 06' 02.7072" N)
Longitude: 114.956111° W (114° 57' 21.9996" W)

Receiving Water: Humboldt River headwaters, via the City of Wells Stormdrain

Drinking Water Protection:

The facility is within or close to the 6,000 foot Drinking Water Protection Area (DWPA) but outside the 3,000 foot DWPA around four public water supply wells owned by the Wells Municipal Water Department. The facility is not within a currently established Wellhead Protection Area (WHPA) or capture zone.

Corrective Actions Sites:

The subject facility is within 1 mile of the following Bureau of Corrective Actions (BCA) sites. The BCA case officers in charge of these sites have indicated that adverse effects of the proposed project on the ongoing corrective activities are not anticipated.

Project ID #	Site Number	Facility Name	Corrective Action Type (Media/Source/Contaminant)
1354	6-000160	Fearless Farris Stinker Station 81	Soil/UST/Gasoline
1843	6-000329	Four Way Truck Stop	Groundwater/AST/Diesel, Gasoline
1749	6-000329	Four Way Truck Stop	Soil/Other/Diesel
6485	F-000071	Fredericksen Tank Lines	Soil/Mobile Source/Diesel

UST = Underground Storage Tank

AST = Above-Ground Storage Tank

General:

Four Way Bar, Café, and Casino comprise the Four Way Truck Stop, located northeast of the intersection of Interstate 80 and US Highway 93 at Wells, Elko County, Nevada. The facility has been the subject of ongoing soil and groundwater remediation activities directed by the Nevada

Division of Environmental Protection, Bureau of Corrective Actions (BCA). Petroleum products, including gasoline and diesel fuels, have leaked from ASTs at the site for an unknown period of time, significantly impacting local groundwater. Groundwater and vapor are extracted from the site with a system of 5 dual phase extraction wells. Water is separated from the vapor phase and routed through an ozone treatment system. Following ozone treatment, the water is routed through two activated carbon canisters arranged in series for further treatment and polishing, before discharge to the City of Wells stormdrain. Treatment capacity of the activated carbon vessels is 30 gallons per minute (gpm). The stormdrain is deemed to be in hydraulic connection to the Humboldt River.

Discharge Characteristics:

Overall, the groundwater to be discharged is of good quality. Previously gathered data indicates the treatment system adequately removes Volatile Organic Compounds and Total Petroleum Hydrocarbons to below BCA action levels prior to discharge.

Receiving Water Characteristics:

The treatment system will discharge into the City of Wells storm drain, which is deemed to be in possible hydraulic connection to the Humboldt River. Water quality standards for the Humboldt River are specified in NAC 445A.203.

Proposed Effluent Limitations and Special Conditions:

The water discharged to the stormdrain system shall be limited, sampled and monitored by the Permittee as specified below:

- Outfall 001:** Headwaters of the Humboldt River, via the City of Wells storm drain system, in Elko County, Nevada.
- a. Effluent samples and measurements taken in compliance with the monitoring requirements specified below shall be taken from:
 - i. The flow meter downgradient of the activated carbon vessels;
 - ii. the sample port on the discharge line from the lead activated carbon vessel, prior to the second activated carbon vessel; and
 - iii. the sample port on the discharge line from the second carbon vessel, prior to discharge to the storm drain.
 - b. The discharge shall be limited and monitored by the Permittee as specified below:

Table 1: Discharge Limitations

PARAMETERS	EFFLUENT DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	30-Day Average	Daily Maximum	Sample Location	Measurement Frequency	Sample Type
Flow, MGD	M&R	0.0432	i.	Continuous	Flow meter
Volatile Organic Compounds, µg/L	Monitor & Report (report all parameters)		iii.	Annually ¹	Discrete
Benzene, µg/L	---	M&R	ii.	Quarterly	Discrete
	---	5	iii.		
Ethylbenzene, µg/L	---	M&R	ii.	Quarterly	Discrete
	---	100	iii.		
Toluene, µg/L	---	M&R	ii.	Quarterly	Discrete
	---	100	iii.		
Xylenes, Total, µg/L	---	M&R	ii.	Quarterly	Discrete
	---	200	iii.		
Total Petroleum Hydrocarbons ² , mg/L	---	M&R	ii.	Quarterly	Discrete
	---	1.0	iii.		
Methyl tertiary butyl ether, µg/L	---	M&R	ii.	Quarterly	Discrete
	---	20	iii.		
Activated Carbon Addition and Advancement, Date and Pounds	---	M&R	Carbon Canisters	Each Event	Discrete
Total Dissolved Solids, mg/L	Monitor and Report		iii.	Quarterly	Discrete
pH, SU	6.5 ≤ pH ≤ 9.0		iii.	Quarterly	Discrete

Notes: 1: All parameters to be analyzed in the fourth quarter and submitted to the Division with the Annual Report. Listed parameters (Benzene, Ethylbenzene, Toluene, Total Xylenes Total Petroleum Hydrocarbons and Methyl tertiary butyl ether) shall be analyzed for and reported quarterly.
 2: EPA Method 8015B and EPA Method 8260 B, full range, C6-C40. Summation must meet permit limit

mg/L: Milligram per liter. µg/L: Micrograms per liter. gpd: Gallons per day.
 P: Phosphorus. N: Nitrogen. VOC: Volatile organic compound.
 SU: Standard units M&R: Monitor and Report

Rationale for Permit Requirements:

The monitoring requirements and permit limits have been established to ensure that the receiving

water (Humboldt River) is not degraded from discharge of treated groundwater at the Four Way Truck Stop. The requirements are consistent with other similar installations.

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.

- a. The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit.
- b. **By MMM DD, 2010**, the Permittee shall submit an Operations and Maintenance Manual stamped by a Nevada licensed Professional Engineer to the Division for review and approval.

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 in Part I.B.2.

Procedures for Public Comment:

The Notice of the Division's intent to issue an NPDES permit authorizing this facility to discharge for a five-year period, subject to the conditions contained within the permit, is being sent to the **Elko Daily Free Press and the Reno Gazette Journal** 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 **November 30, 2009 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.

Proposed Determination:

The Division has made the tentative determination to issue the proposed NPDES discharge permit for a period of five (5) years.

Prepared by: Janine O. Hartley, P.E.
Bureau of Water Pollution Control
Draft: October 2009

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