

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(pursuant to Nevada Administrative Code 445A.236)

Permittee Name: Naniwa Energy, LLC
2000 Westchester Avenue
Purchase, NY 10577

Permit Number: NEV2001505

Location: Naniwa Power Generating Facility
Tahoe-Reno Industrial (TRI-) Center
255 Amsterdam Court
McCarran, Storey County, Nevada

Latitude: 39° 33.43' N
Longitude: 119° 30.827' W
Township 20N, Range 22E, Section 33

General:

Naniwa Energy, LLC owns and operates the 360 megawatt (MW) Naniwa Power Generating Facility, a peaking power plant, located in the Tahoe-Reno Industrial Center, approximately 17 miles east of Reno, Nevada in northern Storey County.

The facility uses de-mineralized water for cooling purposes. The non-contact cooling water is recycled through three (3) separate dual cell cooling towers, and is then blown-down into a 4000 gallon surge tank. From the tank, the cooling water is pumped directly into the TRI-Center wastewater utility's treated effluent pipeline, which discharges to the utility's treated effluent storage reservoir for irrigation use. The generating facility is intended to operate approximately 160 days per year, but may be operated for longer periods when necessary. Discharges will not be constant.

Wellhead Protection:

The facility is not within a wellhead protection capture zone. However, the facility is within a 7000 foot buffer zone around the TRI-Center water supply well.

Receiving Water Characteristic:

Groundwater below the site is not monitored; depth to groundwater immediately below the site is unknown. Monitor well data associated with the nearby TRI-Center wastewater treatment/effluent reuse facility indicate the following background groundwater quality (January 2002 through January 2006):

Total Dissolved Solids (mg/l)		Nitrate as N (mg/l)		Total Nitrogen (mg/l)		Chlorides (mg/l)	
Min	Max	Min	Max	Min	Max	Min	Max
190	240	1.3	1.5	1.3	1.5	6.8	8.4

Effluent Flow and Characteristics:

During the period from January 2002 through January 2006, Discharge Monitoring Reports from the Naniwa Energy facility indicate the following effluent flow and characteristics:

FLOW (MGD)		pH (Std Units)		TDS (mg/l)		NITRATE (mg/l)		SULFATE (mg/l)		OIL & GREASE (mg/l)		TPH (mg/l)	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
<0.001	0.012	7.3	8.65	292	1560	0.54	6.5	30	810	ND	3.8	ND	ND

TDS = Total Dissolved Solids

TPH = Total Petroleum Hydrocarbons

Proposed Effluent Limitations and Special Conditions:

Facility effluent shall be limited and monitored according to the following table:

PARAMETERS	DISCHARGE LIMITATION		MONITORING REQUIREMENTS	
	30-Day Average	Daily Maximum	Measurement Frequency	Sample Type
Flow (MGD)	0.095	0.231	Continuous	Meter
TDS (mg/l)	Monitor and Report		Quarterly	Discrete
pH (Standard Units)	Monitor and Report		Quarterly	Discrete
Hardness as CaCO ₃ (mg/l)	Monitor and Report		Quarterly	Discrete
Sulfate (mg/l)	Monitor and Report		Quarterly	Discrete
Sodium (mg/l)	Monitor and Report		Quarterly	Discrete
Chlorides (mg/l)	Monitor and Report		Quarterly	Discrete
Oil & Grease (mg/l)	Monitor and Report		Annually	Discrete
TPH (mg/l)	Monitor and Report		Annually	Discrete
Priority Pollutant Metals (mg/l)	Monitor and Report		Annually	Discrete

TDS = Total Dissolved Solids

TPH = Total Petroleum Hydrocarbons

Priority Pollutant Metals = Antimony, Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Zinc.

Schedule of Compliance:

The Permittee shall implement and comply with the provisions of the following 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 December 31, 2006**, the Permittee shall submit any updates to the Operations and Maintenance Manual, or shall submit a letter indicating that updates are not required.

Rationale for Permit Requirements:

Permit limitations on flow are required to ensure the facility does not exceed the holding and use capacity of the TRI-Center irrigation reuse system. Other constituents are monitored so that water quality of the State of Nevada is not degraded by use of the facility discharge for irrigation purposes.

Procedures for Public Comment:

The Notice of the Division's intent to reissue (renew) a permit authorizing the facility to discharge cooling tower blow-down water to the Tahoe-Reno Industrial (TRI) Center Reuse Water holding pond, subject to the conditions contained within the permit, is being sent to the **Reno Gazette Journal** and the **Comstock Chronicle** 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 the public notice. The comment period can be extended at the discretion of the Administrator. The deadline date at NDEP for receipt of all comments pertaining to this public notice period is **September 25, 2006 at 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 445A238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to Nevada Revised Statute (NRS) 445A.605.

Proposed Determination:

The Division has made the tentative determination to reissue (renew) the proposed permit for a period of five (5) years, subject to limitations and provisions contained therein.

Prepared by: Janine Hartley
Staff Engineer II
Bureau of Water Pollution Control
July, 2006