



STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

Colleen Cripps, Ph.D., Administrator

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(Pursuant to NAC 445A.236)

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

Permit Number: NEV2001505

Facility Location: Naniwa Energy
225 Amsterdam Court
McCarran, NV 89434
Latitude: 39° 33' 25" N, Longitude: 119° 30' 56" W
T20N, R22E, Section 33, MDB&M

Discharge Location: Tahoe-Reno Industrial Center regional detention pond
McCarran, NV 89434
Latitude: 39° 32' 54" N, Longitude: 119° 28' 49" W
T19N, R22E, Section 2 MDB&M

Discharge Outfalls: 001 - 4,000 gallon surge tank

General: The Permittee is requesting renewal of groundwater discharge permit NEV2001505. Naniwa Energy, LLC operates Naniwa Energy (Naniwa), a power generating facility located in the Tahoe-Reno Industrial Center (TRI-Center), approximately 16 miles east of Reno in northern Storey County, Nevada. The facility was originally constructed with six gas combustion turbines capable of producing a total of 360 megawatts of power. In March of 2008, two of the turbines were removed from service. The facility is intended to be utilized primarily as a peaking power plant and operates only during periods of high electrical demand.

Naniwa uses water supplied by the TRI-Center General Improvement District (GID) for equipment cooling purposes. The water is pre-treated to control corrosion, scaling, and pH levels prior to use in a series of cooling towers. Spent cooling tower water is periodically blown-down into a 4,000 gallon surge tank where it is collected and discharged to a clay-lined detention pond operated by the TRI-Center GID (Permit NEV2000502). Water in the detention pond may be left to evaporate or be used for dust control and/or landscape irrigation of developed areas inside the TRI-Center.

Flow: The Permittee has requested a 30-day average discharge of 0.095 million gallons per day (MGD) and a daily maximum discharge of 0.238 MGD. A review of Discharge Monitoring Reports dating back to January Of 2010 shows no 30-day average discharges greater than 0.001 MGD.

Receiving Water Characteristics: Discharged cooling tower blow-down water may reach groundwater of the state via percolation.

Site Groundwater: Groundwater depth and flow direction at the facility are unknown. Depth to groundwater in nearby wells ranges from 50 to 70 feet below ground surface.

Well Head and Drinking Water Supply Protection: The facility is not within 6,000 feet of any Public Water Supply. The facility is within the Drinking Water Protection Area of four (4) inactive non-transient non-community wells which were ranked as highly vulnerable. There is no Well Head Protection Area established for this location.

Corrective Action Sites: The facility is not within one mile of any Bureau of Corrective Actions remediation sites.

Proposed Effluent Limitations and Special Conditions: Facility effluent shall be limited and monitored according to the following table:

Table I

Parameters	Discharge Limit		Monitoring Requirements	
	30-Day Average	Daily Maximum	Measurement Frequency	Sample Type
Flow (MGD)	0.095	0.238	Continuous	Meter
TDS (mg/l)	Monitor and Report		Quarterly	Discrete
pH (Standard Units)	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

MGD: Million Gallons per Day

TDS: Total Dissolved Solids

mg/L: Milligrams per Liter

TPH: Total Petroleum Hydrocarbons

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

Constituents required to be monitored annually shall be sampled for in the 4th quarter of each year (October through December). If there is no discharge during the 4th quarter, these constituents shall be sampled for during the next discharge monitoring event.

Rationale for Permit Requirements: The Division has established the monitoring requirements to ensure that groundwaters of the state are not degraded as a result of discharge activities.

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, 2012**, (60 days) the Permittee shall submit two (2) copies of an Operations and Maintenance (O&M) Manual for review and approval by the Division. The O&M Manuals shall be compiled in accordance with appropriate sections of the Division's technical document WTS-2, *Minimum Information Required for an Operations and Maintenance Manual for a Wastewater Treatment Plant*.

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

All schedule of compliance submittals and evidence of compliance documents shall be submitted to the Division at the address listed below:

**Division of Environmental Protection
Bureau of Water Pollution Control
901 S. Stewart Street, Suite 4001
Carson City, Nevada 89701**

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

Procedures for Public Comment: The Notice of the Division's intent to renew a permit authorizing this facility to discharge cooling tower blow-down water to a clay-lined detention pond for a five-year period, subject to the conditions contained within the permit, is being sent to 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 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 **May 28, 2012, 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 445A.238.

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

Prepared by: Arthur Marr, P.E.
Date: March, 2012