

August 17, 2021

Ms. Nicole Goehring
Nevada Division of Water Resources
901 South Stewart Street, Suite 2002
Carson City, Nevada 89701

RE: Nevada Gold Energy TS Power Plant (updated) – 2021 Water Conservation Plan

Dear Ms. Goehring,

TS Power Plant is a Non Transient- Non Community Public Water System located approximately 24 miles Northeast of Battle Mountain in Northeastern Nevada and serves approximately 60 persons daily.

The potable water system consists of one well, one raw water tank, one potable water storage tank, an arsenic removal system, approximately 2,000 feet of main and five service connections. The water system supplies potable water to restrooms, showers, and emergency eyewash stations.

In accordance with the required provisions for a water conservation plan, Farr West Engineering on behalf of Nevada Gold Energy TS Power Plant submits the following:

NRS 540.141

1. A plan or joint plan of water conservation submitted to the Section for review must include provisions relating to:

(a) Methods of public education to:

(1) Increase public awareness of the limited supply of water in this State and the need to conserve water.

The attached notice is posted by potable faucets and bulletin boards throughout the site.

(2) Encourage reduction of the size of lawns and encourage the use of plant that adapted to arid and semiarid climates.

TS Power Plant has no irrigated landscaping or lawns.

(b) Specific conservation measures required to meet the needs of the service area, including, but not limited to, any conservation measure required by law.

As plumbing fixtures wear out or break, they are replaced with the low flow variety as time permits.

(c) The management of water to identify and reduce water loss in water supplies, inaccuracies in water meters and high pressure in water supplies, which must include, without limitation:

(1) Goals for acceptable levels of water loss in water supplies. Such goals may use the following performance indicators and analyses, without limitation:

- (I) Infrastructure water loss index;**
- (II) Water audit data validity score;**
- (III) Operational basic apparent losses;**
- (IV) Operational basic real losses; and**
- (V) Economic level of water loss.**

The site's goal is to have minimal water loss through leakage at the tanks and distribution system. Leak audits are performed routinely. All suspected leaks are investigated and repaired. On-site maintenance crews are equipped to promptly address any issues with the potable water system. There are no metered connections. Distribution pressures are maintained at 100 psi with various pumps and a pressure sustaining valve. Flows and pressures are monitored for abnormal conditions.

(2) A plan which analyzes how the supplier of water will progress towards the goals established for the acceptable levels of water loss.

Tank leak audits will be conducted annually. This will allow the site to measure leakage in that part of the system and generate data to help determine an acceptable levels of water loss.

(d) The management of water to, where applicable, increase the reuse of effluent.

All effluent water is currently discharged to on-site septic systems

(e) A contingency plan for drought conditions that ensures a supply of potable water.

In the event of drought, potable water will be hauled in from a nearby city utilizing a certified potable water hauler. If the drought conditions affect the certified potable water hauler to the extent they cannot provide potable water, potable water storage will be used for emergency eyewash stations only. Portable restrooms and bottled water will be provided to employees.

(f) A schedule for carrying out the plan.

All appropriate personnel will be informed of the emergency and notified of the steps that need to be taken until conditions improve. In addition, employees will be informed through posting notices at bathroom facilities, bulletin boards and through company emails.

(g) A plan for how the supplier of water will progress towards the installation of meters on all connections.

In the case of extreme water loss, the site may implement the installation of water meters to track said water losses. However, since there are no paying customers, there are no incentives to metering water usage other than leak detection.

(h) Standards for water efficiency for new development.

There is currently no plan for new development at the site.

(i) Tiered rate structures for the pricing of water to promote the conservation of water, including, without limitation, an estimate of the manner in which the tiered rate structure will impact the consumptive use of water.

All potable water is consumed by employees and contractors only. There are no paying customers.

(j) Watering restrictions based on the time of day and the day of the week.

TS Power Plant has no irrigated landscaping or lawns. All potable water is used on an as needed basis for consumption, restroom facilities and emergency eyewash stations.

Should you have any questions or comments please contact Christopher Carter at 775-738-2121 or by email at ccarter@farrwestengineering.com.

Very truly yours,



Christopher Carter,
Operator in Responsible Charge

Ec: Kuda Mutama - Nevada Gold Energy TS Power Plant
Rod Glinsmann - Nevada Gold Energy TS Power Plant