

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET
(pursuant to NAC 445A.236)

Permittee Name: City of Sparks
910 Roberta Lane
Sparks, Nevada 89431

Permit Number: NEV2009502

Description of Discharges: Effluent reuse for construction water, dust control and/or irrigation of landscaping and revegetation percolating to groundwater of the state at various sites of use.

Locations:

Fill location	Fill Site 1		Fill Site 2		Fill Site 3	
		Sha Neva Fill Station 185 Design Place Sparks, NV		Truckee Meadows Fire Dept Stn #4 Fill Stn 500 Rockwell Boulevard Sparks, NV		Kleppe Lane Fill Station 1850 Kleppe Lane Sparks, NV
LAT	39° 40' 42.65" N	39.6785137°	39° 38' 11.86" N	39.6366280°	39° 31' 22.30" N	39.522861111°
LON	119° 42' 36.64" W	-119.7101778°	119° 42' 31.18" W	-119.7086611°	119° 42' 29.27" W	-119.708130556°
S, T, R	NW4-NW4, S23, T21N, R20E, MDBM		SE4-SW4, S35, T21N, R20E, MDBM		SE4-SW4, S11, T19N, R20E, MDBM	

Fill location	Fill Site 4		Fill Site 5			
		Future Fill Station #4 TO BE DETERMINED Sparks, NV		Future Fill Station #5 TO BE DETERMINED Sparks, NV		
LAT						
LON						
S, T, R						

Characteristics: The Truckee Meadows Water Reclamation Facility (TMWRF – NEV2003506) will provide tertiary treated, denitrified and disinfected effluent to supply the City of Sparks truck fill stations for reuse for construction water, soil conditioning, irrigation, and dust control. All truck fill stations are, and shall be, operated in accordance with the approved Effluent Management Plan (EMP) and permit conditions.

Flow: The applicant has applied for a permit for a total flow of 0.98 MGD 30-Day Average Flow and 1.21 MGD Daily Maximum Flow at a combination of five truck fill sites. The permit requires the reuse water quantity to be monitored and reported. The maximum monthly flow is based upon the highest usage month determined from the consumptive use balance plus 10% allowance, and in accordance with the approved Effluent Management Plan. The annual application volume is limited to a maximum of 445 acre feet/year for all the sites combined.

Proposed Effluent Limitations:

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS ¹		
	30-Day Average	Daily Maximum	Site Location	Measurement Frequency	Sample Type
All concentration units are mg/L unless otherwise indicated.					
Fecal Coliform ² (cfu, mpn/100 ml)	2.2	23	Supply ²	Weekly	Discrete
ml: milliliter	cfu: Colony Forming Unit	mpn: Most Probable Number			

1. See Part I.E. of permit for additional information on sampling, testing, reporting, monitoring and definitions related to requirements.
2. Sample results to be obtained from NEV2003506.

General: The applicant intends to manage the supply of tertiary treated, denitrified and disinfected effluent water provided by the Truckee Meadows Water Reclamation Facility (TMWRF) at a total of five truck fill stations for reuse

in construction applications, dust control and spray and drip irrigation. The TMWRF provides reclaimed water that meets Category B quality per NAC 445A.276, and is denitrified below 10 mg/l N.

Receiving Water Characteristics: Groundwater in the area is potable and the depth to groundwater in the areas varies with elevation. The Permittee, as described in the approved Effluent Management Plan (EMP), will need to ensure that the treated denitrified effluent is applied at the consumptive rate. No adverse effects to groundwater are expected to occur as a result of this effluent reuse.

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

Schedule of Compliance and Special Conditions: 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 that the Administrator may make in approving the schedule of compliance.

- a. The Permittee shall achieve compliance with the effluent flow monitoring requirements upon issuance of the permit.
- b. The Permittee shall maintain and revise, as necessary, the Effluent Management Plan (EMP) sections for each site keeping all information required by I.B of the permit current. Any update shall be submitted to the Division within 120 days of a site plan modification.
- c. The Permittee shall maintain on site Cross-Connection control documentation approved by the Washoe County Health Department for each site.

There are no other special conditions.

Rationale for Permit Requirements Required parameters are monitored to ensure effluent reuse requirements are maintained per NAC 445A.275 and 445A.276.

Procedures for Public Comment: The Notice of the Division's intent to issue the permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit is being sent to the **Sparks Tribune** for publication. The notice is being mailed to interested persons on the NDEP-BWPC notice contact list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the publication of the public notice. All comments must be received by 5:00 pm local time on March 9, 2009. The comment period can be extended at the discretion of the Administrator.

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 determined to be appropriate. All public hearings must be conducted to 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: E. Samuel Stegeman, P.E.
January 2009