

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
FACT SHEET

(pursuant to NAC 445A.236)

Permittee Name: City of Sparks
431 Prater Way
Sparks, Nevada 89431

Permit Number: NEV2004530

Description of Discharges

Locations:

Vineyards Truck Fill Station and Common Areas Irrigation, Winery Dr. and Sparks Blvd., Sparks NV 89434; Longitude: 119°43'13"W., Latitude: 39°35'17"N., Section 22, T.20N., R.20E., and Disc Drive Truck Fill Station, Sparks Blvd. and Disc Dr, Sparks, NV 89434. Longitude: 119°43'26"W.; Latitude: 39°35'05"N. Section 27, T..20N., R.20E.

Barcelona Crossing at 5200 Sparks Blvd., Sparks, NV 89434; Longitude: 119°43'26"W., Latitude: 39° 35'52"N.,Section 22, T.20N., R.20E.

Kiley West - Sparks Blvd Streetscape and Common Area, Sparks Blvd., Sparks, NV 89434; Longitude: 119°43'43"W., Latitude: 39°35'34"N., Section 22, T.20N., R.20E.

Spanish Springs Regional Sports Complex, Spanish Springs, Sparks, Nevada 89434; Longitude: 119° 40'20"W., Latitude: 39°36'33"N., Section 18, T.20N., R.21E.

The Foothills - Vista Blvd. streetscapes, 7300 Vista Blvd., Sparks, Nevada 89434; Longitude: 119°40'22"W., Latitude: 39°38'17"N., Sections 6 & 7, T.20N., R.21E.

Pioneer Meadows streetscape, two mini parks, commercial landscape and a school, Vista Blvd., Sparks, Nevada 89434; Longitude: 119°42'12"W., Latitude: 39°27'22"N., Section 11, T.20N., R.20E.

Calle de La Plata ,streetscapes on Calle de La Plata between Eagle Canyon Road and Pyramid Highway (SR445), Sparks, Nevada 89434; Longitude: 119°40'28"W., Latitude: 39°40'28"N., Sections 22 & 23, T.21N., R.20E.

HAWCO Business Park, landscape irrigation and pressure testing effluent distribution piping, 9732 SR 445., Sparks, Nevada 89434; Longitude: 119°42'50"W., Latitude: 39°32'00"N., Section 10, T.19N., R.20E.

Characteristics

The Truckee Meadows Water Reclamation Facility (TMWRF) #NEV2003506 will provide tertiary treated, denitrified and disinfected effluent for reuse irrigation at the eight irrigation facilities and two truck fill stations. Reuse at the new sites will be via spray irrigation of turf grasses and drip irrigation of trees and other landscape plant materials. Two effluent truck fill stations are also included. All reuse irrigation and fill station operations shall be conducted and/or operated in accordance with the approved Effluent Management Plans (EMPs) and permit conditions; dust control and soil conditioning is included for construction uses.

General

The applicant intends to supply and manage/reuse tertiary treated, denitrified and disinfected effluent water provided by the TMWRF on a total of eight/streetscapes/park/school/common areas/commercial landscaping sites and a truck fill site. The TMWRF provides reclaimed water that meets Category B quality per NAC 445A.276, and is denitrified below 10 mg/l N.

TABLE I.1

<u>PARAMETERS</u>	<u>EFFLUENT DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	30-Day Average	Daily Maximum	Measurement Frequency	Sample Type
Total Flow: (MGD)	0.990	1.224	Continuous	Flow Meter
Million Gallons per Month² (MGM)	Monitor & Report	Monitor & Report	Monthly	Flow Meter
Annual Application Volume³ (AF/yr)	1024.21		Cumulative	Flow Meter
Fecal Coliform¹ (CFU or MPN/100ml)	2.2	23	Weekly	Discrete

CFU = Colony Forming Units; MPN = Most Probable Number; ml = Milliliter; MGD = Million Gallons per Day;

AF=Acre-feet

Footnotes:

1. Sample results to be obtained from NEV2003506 and reported by permittee.
2. Monthly maximum based upon highest usage month determined from consumptive use balance + 10 % allowance and in accordance with the Effluent Management Plan.
3. Submit with 4th Quarter Report DMR.

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.

The Permittee shall achieve compliance with the effluent flow monitoring requirements, the approved EMP and other conditions of this permit upon issuance of the permit. 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. Within one hundred twenty-two (122) days of permit effective date, the Permittee shall submit the current EMP for the TMWRF reclaimed water use site(s) for review and approval by the Division. The submitted EMP sections shall include any change made to the EMP needed to comply with this permit issued and material, since the last Division approved edition.

Cross-Connection control documentation approved by the Washoe County Health Department and Truckee Meadows Water Authority (where applicable) for all sites shall be confirmed and submitted prior to effluent reuse.

Receiving Water Characteristics

Groundwater in the area is potable and the depth to groundwater in the area 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.

Procedures for Public Comment:

The Notice of the Division's intent to renew 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 **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 30 days following the date of the publication of the public notice. All comments must be received by **April 9, 2010**. 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

Proposed Determination

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

Rationale for Permit Requirements

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

Prepared by: Kristen M Rose
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