



**FACTSHEET**  
**(pursuant to NAC 445A.236)**

**Permittee Name:** CITY OF SPARKS  
431 PRATER WAY  
SPARKS, NV - 89431

**Permit Number:** NS2004530

**Location:** CITY OF SPARKS, WASHOE  
431 PRATER WAY, SPARKS, NV - 89431  
LATITUDE: 39.5830, LONGITUDE: -119.7160  
TOWNSHIP: 20 N, RANGE: 22 E, SECTION: 22

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	RECLAIMED WATER - TOTAL	Land Application Site		SPARKS	NV	89434	WASHOE	39.5830	-119.7160	GROUNDWATER
002	THE VINEYARDS	Land Application Site		SPARKS	NV	89434	WASHOE	39.5820	-119.72	GROUNDWATER
003	DISC DRIVE	Land Application Site		SPARKS	NV	89434	WASHOE	39.5760	-119.73	GROUNDWATER
004	BARCELONA CROSSING	Land Application Site		SPARKS	NV	89434	WASHOE	39.5890	-119.7260	GROUNDWATER
005	KILEY WEST	Land Application Site		SPARKS	NV	89434	WASHOE	39.5890	-119.7330	GROUNDWATER
006	SPANISH SPRINGS REGIONAL SPORTS COMPLEX	Land Application Site		SPARKS	NV	89434	WASHOE	39.6010	-119.6680	GROUNDWATER
007	CALLE DE LA PLATA	Land Application Site		SPARKS	NV	89434	WASHOE	39.6720	-119.71	GROUNDWATER
008	HAWCO BUSINESS PARK	Land Application Site		SPARKS	NV	89434	WASHOE	39.67	-119.7060	GROUNDWATER

**General:**

The Permittee, the City of Sparks, has applied for the renewal of permit NS2004530 for the irrigation of streetscapes and common areas at the following developments: The Vineyards, Barcelona Crossing, Kiley West, the Spanish Springs Regional Sports Complex, HAWCO Business Park, and Calle de la Plata. The permit also includes a truck fill station for construction water use at Disc Drive. The Permittee will use effluent (reclaimed) water from the Truckee Meadows Water Reclamation Facility (TMWRF) (Permit - NS2003506) for the subject reuse sites.

**Discharge Characteristics:**

The TMWRF supplies tertiary treated, denitrified, and disinfected reclaimed water that meets Category B quality in accordance with NAC 445A.276.

**Receiving Water:**

The receiving water is groundwater of the State. Groundwater in the area is potable and the depth to groundwater in the area varies from 4 feet below ground surface to 320 feet below ground surface. Elevations vary from 4,442 feet above sea level to 4,964 feet above sea level. No adverse effects to groundwater are expected to occur as a result of this discharge.

**Summary of Changes From Previous Permit:**

The 30-day average flow rate has been changed from 0.990 million gallons per day (MGD) to monitor and report.

The general fecal coliform monthly maximum has been changed to a daily maximum and the 30-day average to a 30-day geometric mean.

The requirement to monitor and report the million gallons per month (MGM) has been removed.

The requirement to report the annual application volume has been removed.

An outfall was added for each reuse site. Each site is required to monitor and report the quarterly maximum and quarterly average flow rate.

Due to new naming conventions at the Nevada Division of Environmental Protection, Bureau of Water Pollution Control (BWPC), the permit number has been changed from NEV2004530 to NS2004530. This change does not reflect a change in the type of permit being issued.

The BWPC Nevada NetDMR system is a web based site that allows for electronic submission of Discharge Monitoring Reports (DMRs). Nevada NetDMR enables the permittee the ability to enter and electronically submit DMR data. By using Nevada NetDMR permittees will save time, see a reduction in paperwork burden, and data will automatically error-check and validate the information prior to submission. The system also allows for electronic submittal of attachments and supplemental documentation and provides instant confirmation of submission.

**Proposed Effluent Limitations:**

The discharge shall be limited and monitored by the Permittee as specified below:

### Re-use Discharge Limitations Table for Sample Location 001 (Reclaimed Water - Total) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Coliform, fecal general <sup>[1]</sup>	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL) <sup>[2]</sup>	Prior to Reuse	001	Weekly	DISCRT
Coliform, fecal general <sup>[1]</sup>	30 Day Geometric Mean		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL) <sup>[2]</sup>	Prior to Reuse	001	Weekly	DISCRT
Flow rate	Daily Maximum	<= 1.224 Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	001	Continuous	METER

#### Notes (Re-use Discharge Limitations Table):

1. Sample results to be obtained from NS2003506 and reported by Permittee.
2. CFU or MPN/100 ml.

**Re-use Discharge Limitations Table for Sample Location 002 (The Vineyards) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Quarterly Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	002	Monthly	METER
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	002	Monthly	METER

**Re-use Discharge Limitations Table for Sample Location 003 (Disc Drive) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Quarterly Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	003	Monthly	METER
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	003	Monthly	METER

**Re-use Discharge Limitations Table for Sample Location 004 (Barcelona Crossing) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Quarterly Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	004	Monthly	METER
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	004	Monthly	METER

**Re-use Discharge Limitations Table for Sample Location 005 (Kiley West) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Quarterly Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	005	Monthly	METER
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	005	Monthly	METER

**Re-use Discharge Limitations Table for Sample Location 006 (Spanish Springs Regional Sports Complex) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Quarterly Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	006	Monthly	METER
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	006	Monthly	METER

**Re-use Discharge Limitations Table for Sample Location 007 (Calle De La Plata) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Quarterly Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	007	Monthly	METER
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	007	Monthly	METER

**Re-use Discharge Limitations Table for Sample Location 008 (Hawco Business Park) To Be Reported Monthly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Quarterly Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	008	Monthly	METER
Flow rate	Quarterly Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	008	Monthly	METER

**Rationale for Permit Requirements:**

Reclaimed water monitoring is required to assess the level of treatment being provided by the TMWRF, to assess the quality of reclaimed water usage, and to protect the local groundwater quality. Fecal Coliform monitoring assesses the quality of reclaimed water being applied and for the protection of human health and the environment.

**Fecal Coliform:**

2.2 CFU - 30-Day Geometric Mean.

23 CFU - Daily Maximum.

**Special Conditions:**

Substantial compliance with the current permit is a condition of permit renewal.

**SA – Special Approvals / Conditions Table**

There are no Special Approval / Condition items
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**Flow:**

The daily maximum flow rate is limited to 1.224 MGD.

**Corrective Action Sites:**

There is one Bureau of Corrective Actions remediation site within a one-mile radius of the truck fill station located at Disc Drive, the Vineyards, and the Barcelona Crossing irrigation sites.

There are no Bureau of Corrective Actions remediation sites within a one-mile radius of the Kiley West, Spanish Springs Regional Sports Complex, Calle de la Plata, or at the HAWCO Business park irrigation sites.

**Wellhead Protection Program:**

The Calle de la Plata irrigation site is within a Source Water Protection Area; however, no adverse effects to groundwater are expected to occur as a result of this discharge.

The truck fill station and all other irrigation sites are not within a Source Water Protection Area.

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit a revised Effluent Management Plan (EMP), for the Division's review, that has been wet-stamped by a Nevada Professional Engineer, or other certified professional, in following the requirements listed in Guidance Document WTS-1B: <i>General Criteria for Preparing an Effluent Management Plan</i> . If there are minor revisions (e.g. contact changes), the Permittee shall submit the changes in writing to the Division. If there are no changes, the Permittee shall submit a letter stating there are no changes.	4/28/2017
2	All Discharge Monitoring Reports (DMRs) shall be submitted electronically through the Nevada NetDMR website: <a href="https://netdmr.ndep.nv.gov/netdmr/public/home.htm">https://netdmr.ndep.nv.gov/netdmr/public/home.htm</a> .	1/1/2018

**Deliverable Schedule:**

## DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	4/28/2017
2	Annual Report	Annually	1/28/2018

**Procedures for Public Comment:**

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to 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 until 5:00 P.M. **12/19/2016**, a period of 30 days following the date of the public notice. 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 of EPA Region IX 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 issue / re-issue the proposed 5-year permit.

Prepared by: **Bonnie Hartley**

Date: **11/10/2016**

Title: **Environmental Scientist**