



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: KILEY LINKS LLC
5800 KILEY LINKS DRIVE
SPARKS, NV - 89436

Permit Number: NS2004517

Location: THE LINKS AT KILEY RANCH, WASHOE
5800 KILEY LINKS DRIVE, SPARKS, NV - 89436
LATITUDE: 39.5970, LONGITUDE: -119.7250
TOWNSHIP: 20 N, RANGE: 20 E, SECTION: 15, 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	Land Application Site		SPARKS	NV	89436	WASHOE	39.5930	-119.7250	GROUNDWATER

General:

The Permittee, Kiley Links LLC, has applied for the renewal of permit NS2004517 for The Links at Kiley Ranch golf course located in Washoe County, Nevada. The 9-hole golf course and common areas are irrigated with treated effluent supplied by the Truckee Meadows Water Reclamation Facility (TMWRF - Permit NS2003506). Approximately 48 acres of land are spray irrigated. There are ten ponds which are intertied to maintain circulation. Pond #3 will be used as the irrigation pumping lake.

Discharge Characteristics:

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

Receiving Water:

Groundwater in the area is potable and near surface (average depth is about 10 feet below ground surface), and varies with topography. The Permittee, in the approved Effluent Management Plan, 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.

Summary of Changes From Previous Permit:

The annual application volume parameter has been removed.

The monthly maximum has been changed to a daily maximum flow rate. Also, the flow rate limit of monitor and report has been changed to less than or equal to 0.25 million gallons per day (MGD) for the new daily maximum flow rate.

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

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 NEV2004517 to NS2004517. 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 (Land Application Site) To Be Reported Monthly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Coliform, fecal general ^[2]	Daily Maximum		<= 23 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Irrigation	001	Weekly	DISCRT
Coliform, fecal general ^[2]	30 Day Geometric Mean		<= 2.2 Colony Forming Units per 100ml T (CFU/100mL)	Prior to Irrigation	001	Weekly	DISCRT
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse ^[1]	001	Continuous	METER
Flow rate	Daily Maximum	<= 0.25 Million Gallons per Day (Mgal/d)		Prior to Reuse ^[1]	001	Continuous	METER

Notes (Re-use Discharge Limitations Table):

- Flow monitoring shall be recorded at the meter vault prior to discharge from the effluent pipeline to pond 3.
- Sample results to be obtained from NS2003506 and reported by Permittee.

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 recycled water usage and to protect the local groundwater quality. Fecal Coliform monitoring assesses the quality of treated effluent being applied and for the protection of human health and the environment.

Fecal Coliform:

2.2 MPN/100 mL - 30-Day Geometric Mean.

23 MPN/100 mL - 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

Flow:

0.25 MGD - Daily Maximum.

Corrective Action Sites:

There is one Bureau of Corrective Actions remediation site located within a one-mile radius of the reuse site. The continued use of treated effluent at the golf course will not negatively impact the remediation site.

Wellhead Protection Program:

The facility is not located within an established Drinking Water Protection Area or a Wellhead 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 NDEP's review, that has been wet-stamped by a Nevada Professional Engineer in following the requirements listed in Guidance Document WTS-1B: General Criteria for Preparing an Effluent Management Plan. If there are minor revisions (e.g. number of acres irrigated or contact changes), the Permittee shall submit the changes in writing to NDEP. If there are no changes, the Permittee shall submit a letter stating there are no changes.	1/28/2017
2	All Discharge Monitoring Reports (DMRs) shall be submitted electronically through the Nevada NetDMR Website: https://netdmr.ndep.nv.gov/netdmr/public/home.htm .	10/1/2017

Deliverable Schedule:

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

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

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. **9/12/2016**, 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: **8/3/2016**

Title: **Environmental Scientist**