



# STATE OF NEVADA

Department of Conservation & Natural Resources

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

DIVISION OF ENVIRONMENTAL PROTECTION

Colleen Cripps, Ph.D., Administrator

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

**Permittee Name:** BASIC MANAGEMENT INCORPORATED  
875 WEST WARM SPRINGS  
HENDERSON, NV - 89011

**Permit Number:** NS2014503

**Location:** CADENCE CENTRAL PARK, CLARK  
SUNSET AND WATER STREET, HENDERSON, NV - 89011  
LATITUDE: 36.055694, LONGITUDE: 115.023728  
TOWNSHIP: T22S, RANGE: R62E, SECTION: S11

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	CADENCE CENTRAL PARK	External Outfall		HENDERSON	NV	89015	CLARK	36.058308	-114.973572	GROUNDWATER

### General:

The LandWell Company, L.P. (TLC), which is an affiliate of Basic Management Incorporated (BMI), is proposing to store and reuse treated effluent from the Kurt R. Segler Wastewater Treatment Facility (KRSWRF) for spray and drip irrigation at the Cadence Central Park in the Cadence Master Plan Community, located in Henderson, Clark County, Nevada (the City). The proposed permit will allow for the use of up to 499,999 gallons of reclaimed water per day over approximately 39 acres of turf and shrubs. The treated effluent will be stored in a 45 mil reinforced polypropylene lined pond on-site. The City has agreed to assume ownership of the park and responsibility for this permit two to five years following the effective date of this permit upon the fulfillment of the certain conditions, as stated in a letter from the City of Henderson to the Nevada Division of Environmental Protection dated October 31, 2013 (Permit Attachment AA).

### Discharge Characteristics:

KRSWRF will supply tertiary treated effluent to the Permittee for drip irrigation of shrubs and spray irrigation of turf. The treated effluent meets category B reuse requirements per NAC 445A.276.

### Receiving Water:

The receiving water is groundwater of the State. The groundwater is approximately 30 feet below ground surface. Discharges associated with this permit are not expected to have a negative effect on the receiving water.

### Summary of Changes From Previous Permit:

Because this is a new permit, there are no changes from previous permits.

**Re-use Discharge Limitations Table for Sample Location 001 (External Outfall) To Be Reported Monthly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	S a m p l e Type
Flow rate	Monthly Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Flow rate	Daily Maximum	< 0.500 Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Nitrogen, total <sup>[1]</sup>	30 Day Average		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	COMPOS
Nitrogen, total <sup>[1]</sup>	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	001	Weekly	COMPOS
Coliform, fecal general <sup>[1]</sup>	30 Day Average		M&R Most Probable Number per 100ml T (MPN/100m L)	Effluent Gross	001	Weekly	DISCRT
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Notes (Re-use Discharge Limitations Table):

- Sample results are to be obtained from KR SWRF (Permit NS0080003) and reported by the Permittee. Reclaimed water quality shall be in accordance with the limits set forth in Permit NS0080003.

**Fecal Coliform:**

The treated effluent used for irrigation meets reuse category B requirements for fecal coliform. The fecal coliform limits are in place at the effluent supplier, KR SWRF. The fecal coliform is limited to a daily maximum of 23 MPN/100 ml and a 30-day average of 2.2 MPN/100 ml.

**Special Conditions:**

SA – Special Approvals / Conditions Table

Item #	Description
	In the event that BMI and/or The LandWell Company cease to exist before the park and the permit are

Item #	Description
1	transferred to the City of Henderson (the City), and the City does not assume ownership at that point, the permit will be terminated, the irrigation switched to potable water, and the storage pond filled in accordance with the Park Maintenance Plan.
2	Each quarter, the Permittee shall submit a document confirming adherence to the approved EMP. This document shall be signed, and shall contain the following certification. "I certify that, for each month during the previous quarterly reporting period, all operational procedures and calculated application rates outlined in the approved Effluent Management Plan were adhered to."

**Flow:**

Based on the calculated water use projections and the requested flow limit, flow is limited to a daily maximum of less than 500,000 gallons per day.

**Corrective Action Sites:**

The reuse site is located within the BMI complex and within one mile of four other corrective actions sites. The proposed discharge and the corrective actions sites are not expected to have a negative impact on one another.

**Wellhead Protection Program:**

There are no drinking water wells in the vicinity of the reuse site.

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two (2) copies of an Effluent Management Plan (EMP) for review and approval by the Division.	7/1/2014

**Deliverable Schedule:**

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Reports	Quarterly	7/28/2014
2	Annual Reports	Annually	1/28/2015

**Procedures for Public Comment:**

The Notice of the Division's intent to reissue 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 **Las Vegas Review 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. **4/17/2014** , 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.650.

**Proposed Determination:**

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Peter Lassaline**

Date: **3/13/2014**

Title: **Environmental Scientist**