

**NEVADA DIVISION OF ENVIRONMENTAL PROTECTION  
FACT SHEET**

(Pursuant to Nevada Administrative Code 445A.236)

**Permittee:** State of Nevada Department of Administration  
Division of Building and Grounds  
406 E. Second Street, Suite 1  
Carson City, NV 89701

**Permit Number:** NV0023612

**Facility Location:** Marlette-Hobart Water System  
Discharge to McEwen Creek from the  
Lakeview Water Storage Tanks

**Facility Location:**

Latitude: 39° 11' 53.8" N

Longitude: 119° 50' 11.4" W

Township 15.5N, Range 19E, Section 20  
Carson City, Nevada

**General:** The State of Nevada Department of Administration operates the Marlette-Hobart Water System, which supplies municipal water to the Virginia City and Carson City utilities. Water is collected from the Marlette Lake and Hobart Reservoir system and conveyed via pipeline to the Lakeview storage tanks. From the Lakeview storage tanks, water is directed to the Virginia City invert siphon and to the Ash Canyon reservoir, a 1 million gallon reservoir serving Carson City's Quill Water Treatment Plant.

During periods of high runoff due to snowmelt or intense storms or in the event of unforeseen system failure or specific maintenance activities, flow received via the pipeline system may exceed capacity. In those cases, water may be diverted at the Lakeview storage tanks to McEwen Creek, which flows to the Washoe Lake mitigation wetlands adjacent to Washoe Lake. All discharges are raw, untreated surface water.

**Discharge Flow and Characteristics:** The permit is being issued under the discharge category *Discharge from a Treatment Plant for Drinking Water, Intermittent discharge of 1,000,000 gallons or more daily*, pursuant to Nevada Administrative Code (NAC) 445A.232.

The Permittee is required to conduct discharge activities such that flow and flow rate are minimized. Suspension and/or deposition of sediments due to discharge activities are strictly prohibited. Impacts to the turbidity McEwen Creek are prohibited.

**Receiving Water Characteristics:** The potential discharges would be to McEwen Creek (Outfall 001), an unlisted water, and potentially, via the Washoe Lake mitigation wetlands, to Washoe Lake, a Class C Water, as listed in NAC 445A.126. Class C waters include waters or portions of waters which are located in where the watershed is considerably altered by man's

activity. It is extremely unlikely that water discharged under this permit to McEwen Creek would enter Washoe Lake due to rapid infiltration within the Washoe Lake mitigation wetlands. The beneficial uses of class C water are municipal or domestic supply, or both, following complete treatment, irrigation, watering of livestock, aquatic life, propagation of wildlife, recreation involving contact with the water, recreation not involving contact with the water, and industrial supply. Correspondence with Nevada Division of Wildlife indicates that fish were not observed present in the last McEwen Creek stream survey completed in 1978, but that anecdotal reports of fish in the stream have been received.

**Proposed Effluent Limitations and Monitoring Requirements:** Each discharge event at Outfall 001 shall be measured for the following:

**TABLE I.A.: DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS**

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	30-Day Average	Daily Maximum	Measurement Frequency	Sample Location	Sample Type
Flow (MGD)	M & R	0.1	Monthly	Diversion Point at Water Storage Tank	Calculation
Maximum Flow Rate (GPM)	Monitor & Report		Each Release Event	Diversion Point at Water Storage Tank	Calculation
Duration of Flow (minutes)	Monitor & Report		Each Release Event	Diversion Point at Water Storage Tank	Clock
Total Flow (MG)	Monitor & Report		Each Release Event	Diversion Point at Water Storage Tank	Calculation
Release Meets Criteria of Discharge to McEwen Creek (Yes or No)	Monitor & Report		Each Release Event	Diversion Point at Water Storage Tank	Discrete
Turbidity (NTU)	Monitor & Report		Each Release Event Meeting Criteria of Discharge to McEwen Creek	Upstream and Downstream of the Discharge Confluence with McEwen Creek	Discrete

MG = million gallons  
 GPM = gallons per minute

**Rationale for Permit Requirements:** Monitoring per the above permit requirements will assess the impact of any water discharged to the named drainages on an intermittent and/or emergency basis. Quality of any water discharged is that of naturally occurring surface water that could make its way into the drainages under natural circumstances, and is not expected to significantly

alter natural conditions. Flow must be minimized so that sediments are not suspended and re-deposited downstream. Likewise any discharge of water must not affect the natural turbidity of McEwen Creek.

There are no listed discharge parameters or limits that apply to this type of discharge in Chapter 40 of the Code of Federal Regulation effluent limitation guidelines.

**Schedule of Compliance:** The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit. 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 discharge limitations upon the issuance date of the permit.
- b. **By September 1, 2010**, the Permittee shall submit plans and approvable schedules for the following:
  - i. A report of an investigation into the possible implementation, stamped by a Professional Engineer registered in the State of Nevada, of energy dissipation and/or flow minimization measures between the Water Storage Tank and the point at which released water would enter McEwen Creek.
  - ii. Determination of volumes, flow rates and durations of water releases from the Water Storage Tank that would result in discharge of released water to McEwen Creek. All flow volumes, flow rates and durations of flow that would result in discharge to McEwen Creek will be summarized in an appropriate form allowing easy determination of whether or not a particular release event meets the criteria for discharge to McEwen Creek. This information will be submitted as an addendum to the O & M Manual required in Part c below.
- c. **By October 1, 2010**, the Permittee shall submit an Operations and Maintenance (O&M) Manual for the facility, prepared and stamped by a Professional Engineer registered in the State of Nevada, for review and approval.

**Procedures for Public Comment:** The Notice of the Division's intent to issue an NPDES permit authorizing this facility to discharge into McEwen Creek, for a five-year period, subject to the conditions contained within the permit, is being sent to the **Nevada Appeal and 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 thirty (30) days following the date of publication of the public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all

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comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is **April 26, 2010 by 5:00 P.M.**

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 determines to be appropriate. All public hearings must be conducted in 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 NPDES discharge permit for a period of five (5) years

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NDEP-BWPC  
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