



# 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:** NEWMONT MINING CORP. - TWIN CREEKS MINE  
P.O. BOX 69  
GOLCONDA, NV - 89414

**Permit Number:** NV0021725

**Location:** TWIN CREEKS MINE, HUMBOLDT  
26 MILES NE OF GOLCONDA, GOLCONDA, NV - 89414  
LATITUDE: 41.224667, LONGITUDE: -117.151667  
TOWNSHIP: 39, RANGE: 43, SECTION: 31 & 32

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	FLUME 1 -WEST POND DISCHARGE	External Outfall		GOLCONDA	NV	89414	HUMBOLDT	41.216753	-117.163363	HUMBOLDT RIVER VIA RABBIT CREEK AND KELLY CREEK
002	FLUME 2 -OLD PONDS DISCHARGE	External Outfall		GOLCONDA	NV	89414	HUMBOLDT	41.216753	-117.163364	HUMBOLDT RIVER VIA RABBIT CREEK
003	FLUME 3 -EAST POND DISCHARGE	External Outfall		GOLCONDA	NV	89414	HUMBOLDT	41.216745	-117.162385	HUMBOLDT RIVER VIA RABBIT CREEK
01D	RABBIT CREEK D/S OF FLUMES CONFLUENCE	Receiving Water - Ambient		GOLCONDA	NV	89414	HUMBOLDT	41.211242	-117.162049	HUMBOLDT RIVER VIA RABBIT CREEK AND KELLY CREEK
SUM	SUM OF 3 FLUMES	Sum		GOLCONDA	NV	89414	HUMBOLDT	41.216421	-117.162289	HUMBOLDT RIVER VIA RABBIT CREEK AND KELLY CREEK

### General:

National Pollutant Discharge Elimination System Permit NV0021725 was originally issued in 1990 with a discharge limitation of 3.2 million gallons per day (MGD). The discharge rate has been increased over the years, reaching the currently permitted 19.872 MGD in 2008. The Permittee, Newmont Mining Corporation (NMC), has applied for a major modification of the permit authorizing discharge of 19.872 MGD of treated water produced by mine dewatering wells and sumps located within the open-pit mine, from 4 settling ponds, to the Humboldt River via the ephemeral Rabbit and Kelly Creeks.

The Permittee owns and operates a gold mining operation, Twin Creeks Mine (TCM), located in Humboldt County, Nevada, approximately 26 miles northeast of Golconda. Mineral processing and the management of all mineral processing fluids at this site are permitted under Water Pollution Control Permits NEV86018 Twin Creeks Mine –North Project and NEV89035 Twin Creeks Mine –South Project issued by the Bureau of Mining Regulation and Reclamation (BMRR). To ensure stability of open-pit mine walls and to facilitate optimum recovery of the precious metals resources, the Permittee developed and implemented a groundwater management program; the surface water discharge of extracted groundwater began in 1991. Water is pumped from the pit dewatering wells and in-pit sumps to the Water Distribution Pond (WDP). The permit does not regulate the number of dewatering wells or in-pit sumps or the individual pumping rates. This source of water may contain naturally occurring, elevated soluble arsenic concentrations greater than the 50 micrograms per liter (µg/L) standard, Nevada Administrative Code (NAC) 445A.1236, "Standards for toxic materials". Excess water is diverted to the water treatment plant (WTP) for arsenic removal before discharge to the Rabbit Creek drainage. The WTP is designed to treat excess mine water containing a maximum of 0.5 mg/L arsenic and 50 mg/L total suspended solids from wells and in-pit sumps at a rate of

22,500 gallons per minute (gpm) through the settling pond treatment system when the East and West Ponds are online. Ferric sulfate is injected into feed water prior to entering the 80,000-gallon reaction tank. Ferric arsenate is precipitated in the baffled and mechanically agitated reaction tank. Water from the reaction tank overflows to the 10,000-gallon floc addition tank to promote clarification. The water overflows from the floc addition tank to one of the twin 3,000-gallon floc growth tanks or to the floc channel. The floc growth tanks overflow to the 4,050,000-gallon, 60-mil HDPE lined East settling pond, or to the 4,200,000-gallon, 60-mil HDPE lined West settling pond, or in the event of upsets or emergency maintenance, to the old 800,000-gallon, 80-mil HDPE lined settling pond or the old 600,000-gallon, 60-mil HDPE lined settling pond. The settling ponds provide adequate time to settle the ferric arsenate and attain the 50 µg/L total arsenic standard before decanting through Parshall flume 1, the West Pond, or Parshall flume 2, the old settling ponds, or Parshall flume 3, the East Pond. Flow is quantified in the flumes with ultrasonic open channel flow/level transmitters and flow recorders prior to discharge to a conveyance ditch that delivers the treated water to Rabbit Creek. Upgrades to the facility and a reduction in groundwater arsenic concentrations have produced a greater treatment capacity, necessitating an increase in discharge and a major modification to the permit. Based on a channel stability study of the conveyance channel submitted to the Division in October, 2012, the Daily Maximum flow limit has been increased to 19.872 MGD

### **Discharge Characteristics:**

Permit limits for Permit NV0021725 are 19.872 MGD for the Daily Maximum and 30-day Average. The settling pond treatment system of the WTP is designed to treat 32.4 MGD (22,500 gpm). NMC has requested that the facility be permitted at 17,500 gpm. Based on Form 2C of the permit major modification application submitted in September 2012, the daily maximum flow value was 14.17 MGD and the long term average flow was 5.32 MGD. The following water quality data were included in Form 2C, or were determined from quarterly monitoring reports submitted during the term of the current permit (from May 2011 through September 2012), reporting as average values: Total Suspended Solids (mg/L) = 5.05, Ammonia As N (mg/L) = 0.06, pH (S.U.) = 7.85 to 8.35 (range), Total Fluoride (µg/l) = 535, Nitrate-Nitrite as N (mg/L) = 0.12, Total Phosphorus as P (mg/L) = 0.01, Sulfate (mg/L) = 94.4, Total Boron (µg/l) = 141, Total Iron (µg/l) = 125.25, Total Antimony (µg/l) = 16.65, Total Arsenic (µg/l) = 8.39, Total Cadmium(µg/l) = 0.8, Total Mercury(µg/l) < 0.010, Total Nickel (µg/l) = 10, Total Dissolved Solids (mg/L) = 380.8, Turbidity (NTU) = 0.4, Total Nitrogen (mg/L) = 0.045, and Total Petroleum Hydrocarbons (mg/L) = 0.575. Most of the discharge water seeps into the ground for water table recharge before reaching the Humboldt River.

### **Receiving Water:**

The receiving water for this discharge is the reach of the Humboldt River between the Battle Mountain Gage and the crossing of state highway 789 control points via the ephemeral Rabbit and Kelly Creeks. Beneficial uses of the Humboldt River are listed in Nevada Administrative Code (NAC) 445A.1432. Water quality standards for the pertinent reach of the Humboldt River are listed in Nevada Administrative Code (NAC) 445A.1444. The October 2006 303(d) "Impaired Waters List" shows the pollutants or stressors of concern for the reach of the Humboldt River from Battle Mountain to Comus, NV04-HR-04, as Fluoride, Turbidity, Iron, Boron, and Molybdenum. This reach of the river has existing total maximum daily loads (TMDL) for Total Phosphorus, Total Dissolved Solids and Total Suspended Solids. The water quality of the ephemeral streams, Rabbit and Kelly Creeks, is not monitored. The groundwaters being recharged by the discharge are not monitored due to the rigorous standards applied to the surface water discharge.

### **Summary of Changes From Previous Permit:**

The major modification to the permit includes the following changes from the current permit:

Added an outfall for the additional flow from the East Pond, with a daily maximum and 30-day average flow rate of Monitor and Report.

Created an outfall identification (SUM) that requires the summation of Flume 1 (west pond discharge), Flume 2 (old ponds discharge), and the additional discharge of Flume 3 (east pond discharge) to monitor the effluent discharge limitation of 30-day average at 19.872 MGD and a daily maximum at 19.872 MGD

Changed the daily maximum flow rate for Flume 1 (West Pond) from 10.8 to a Monitor and Report.

Changed in Schedule of Compliance (SOC) items as follows:

The Permittee shall submit two (2) copies of an updated Operations and Maintenance (O&M) Manual for review and approval by the Division. The O&M Manual shall be prepared and stamped by a Nevada Registered Professional Engineer or other qualified person. If no updates or revisions are required, the Permittee shall submit a letter stating that there have been no changes to the previously approved O&M Manual.

Moved from Schedule of Compliance to Special Approvals/Conditions Table the following:

Thirty (30) days prior to the startup of the PROSYS microfiltration system, the Permittee shall submit to the Division, for review and approval, 2 copies of a Revised Operation and Maintenance Manual covering the microfiltration portion of the arsenic treatment system. Within fourteen (14) days of PROSYS microfiltration system startup, the Permittee shall notify the Division of the startup date.

Added a Special Approval/Conditions item for the East Pond/Flume 3:

"Prior to discharging a 30-day average of more than 14.4 MGD from the East Pond/Flume 3, the Permittee shall submit to the Division for review and approval an Engineering Report showing a discharge rate of more than 14.4 MGD is not likely to result in exceedances of permit limitations for any parameters in the discharge limitations tables." Also requires notification to the Division within 14 days of exceeding 14.4 MGD from the East Pond/Flume 3.

Added a Special Approval/Conditions item for the West Pond/Flume 1:

"Prior to discharging a 30-day average of more than 10.8 MGD from the West Pond/Flume 1, the Permittee shall submit to the Division for review and approval an Engineering Report showing a discharge rate of more than 10.8 MGD is not likely to result in exceedances of permit limitations for any parameters in the discharge limitations tables." Also requires notification to the Division within 14 days of exceeding 10.8 MGD from the West Pond/Flume 1.

April – November seasonal limitations for Total Nitrogen and Total Phosphorus in the current permit have been addressed by setting daily max limits at the required annual average limitations.

#### **Proposed Effluent Limitations:**

The discharge shall consist only of treated groundwater pumped from mine dewatering wells and from in-pit sumps. Effluent samples and measurements taken in compliance with the monitoring requirements specified below shall be taken at: 001 -Ultrasonic open channel flow/level transmitter and flow recorder at Parshall flume 1, the discharge channel from the West Pond (Outfall 001 {formerly sampling location "i"}); 002 -Ultrasonic open channel flow/level transmitter and flow recorder at Parshall flume 2, the discharge channel from Old Pond 1 and Old Pond 2 (Outfall 002 {formerly sampling location "ii"}); 003 - Ultrasonic open channel flow/level transmitter and flow recorder at Parshall Flume 3, the discharge channel from the East Pond (Outfall 003 {new flume, new outfall}); 01D - Monitoring point located down-gradient of the confluence of the flumes, prior to discharge to Rabbit Creek (Outfall 01D {formerly sampling location "iii"}); and at each dewatering well or in-pit sump used during the calendar year and any new dewatering well or in-pit sump upon commissioning or first pumped for sumps (formerly sampling location "iv"). Discharge will be monitored as discussed in the following tables:

**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	Sample Type
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	001	Continuous	METER

**Discharge Limitations Table for Sample Location 002 (External Outfall) To Be Reported Monthly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	002	Continuous	METER
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	002	Continuous	METER

**Discharge Limitations Table for Sample Location 003 (External Outfall) To Be Reported Monthly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	003	Continuous	METER
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Effluent Gross	003	Continuous	METER

**Discharge Limitations Table for Sample Location 01D (Receiving Water - Ambient) 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
Temperature, water deg. centigrade	Daily Maximum		M&R Degrees Centigrade (deg C)	Downstream Monitoring	01D	Monthly	DISCRT
Cadmium, total (as Cd)	Daily Maximum	[4]	M&R Micrograms per Liter (ug/L)	Downstream Monitoring	01D	Monthly	DISCRT
Cadmium, total (as Cd)	30 Day Maximum	[5]	M&R Micrograms per Liter (ug/L)	Downstream Monitoring	01D	Monthly	DISCRT
Hardness, total (as CaCO3)	30 Day Average		M&R Milligrams per Liter (mg/L)	Downstream Monitoring	01D	Monthly	DISCRT
Nitrogen, ammonia total (as NH4)	Daily Maximum	[2]	M&R Milligrams per Liter (mg/L)	Downstream Monitoring	01D	Monthly	DISCRT
Solids, total suspended	Daily Maximum	<= 4970 Pounds per Day (lb/d)	<= 30 Milligrams per Liter (mg/L)	Downstream Monitoring	01D	Monthly	DISCRT [1]
Solids, total suspended	30 Day Average	<= 3310 Pounds per Day (lb/d)	<= 20 Milligrams per Liter (mg/L)	Downstream Monitoring	01D	Monthly	DISCRT [1]
Solids, total dissolved	30 Day Average	<= 82900 Pounds per Day (lb/d)	<= 500 Milligrams per Liter (mg/L)	Downstream Monitoring	01D	Monthly	DISCRT [1]
pH, minimum	Daily Minimum		>= 7 Standard Units (SU)	Downstream Monitoring	01D	Monthly	DISCRT
pH, maximum	Daily Maximum		<= 8.7 Standard Units (SU)	Downstream Monitoring	01D	Monthly	DISCRT
Arsenic, total (as As)	Daily Maximum		<= 50 Micrograms per Liter (ug/L)	Downstream Monitoring	01D	Monthly	DISCRT
Nitrogen, ammonia total (as NH4)	30 Day Average	[3]	M&R Milligrams per Liter (mg/L)	Downstream Monitoring	01D	Monthly	DISCRT

Notes (Discharge Limitations Table):

1. Mass load is calculated from the sampled concentration.
2. The limit is based on the following pH-dependent formula:  $[0.0577/(1+10^{7.204-pH})] + [58.4/(1+10^{pH-7.204})]$
3. The limit is based on the following temperature and pH -dependent formula:

$$[0.0577/(1+10^{7.688-pH})] + [2.487/(1+10^{pH-7.688})] \times \text{MIN}[2.85, 1.45 \times 10^{0.028 \times (25-T)}]$$

Where: T = discharge temperature in °C, x = multiplication, and MIN = the lesser of the two comma-separated values.

4. Report both the analytical result and the result from the following calculation:  $e^{(1.0166 \ln(H) + 3.924)}$ .
5. Report both the analytical result and the result from the following calculation:  $e^{(0.7409 \ln(H) + 4.719)}$ .

**Discharge Limitations Table for Sample Location 01D (Receiving Water - Ambient) To Be Reported Quarterly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Turbidity	Daily Maximum		<= 50 Nephelometric Turbidity Units (NTU)	Downstream Monitoring	01D	Quarterly	DISCRT
Iron, total (as Fe)	Daily Maximum [1]	<= 166 Pounds per Day (lb/d)	<= 1000 Micrograms per Liter (ug/L)	Downstream Monitoring	01D	Quarterly	DISCRT
Nitrogen, total	Daily Maximum		<= 2.9 Milligrams per Liter (mg/L)	Downstream Monitoring	01D	Quarterly	DISCRT
Phosphorus, total (as P)	Daily Maximum [1]	<= 16.6 Pounds per Day (lb/d)	<= .1 Milligrams per Liter (mg/L)	Downstream Monitoring	01D	Quarterly	DISCRT
Boron, total (as B)	Daily Maximum [1]	<= 124 Pounds per Day (lb/d)	<= 750 Micrograms per Liter (ug/L)	Downstream Monitoring	01D	Quarterly	DISCRT
Antimony, total (as Sb)	Daily Maximum		<= 146 Micrograms per Liter (ug/L)	Downstream Monitoring	01D	Quarterly	DISCRT
Fluoride, total (as F)	Daily Maximum		<= 1000 Micrograms per Liter (ug/L)	Downstream Monitoring	01D	Quarterly	DISCRT
Nickel, total (as Ni)	Daily Maximum		<= 13.4 Micrograms per Liter (ug/L)	Downstream Monitoring	01D	Quarterly	DISCRT
Sulfate, total (as SO <sub>4</sub> )	Daily Maximum		<= 250 Milligrams per Liter (mg/L)	Downstream Monitoring	01D	Quarterly	DISCRT

Notes (Discharge Limitations Table):

1. Mass load is calculated from the sampled concentration.

**Discharge Limitations Table for Sample Location 01D (Receiving Water - Ambient) To Be Reported Annually**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	S a m p l e Type
Mercury, total (as Hg)	Daily Maximum		<= 1.40 Micrograms per Liter (ug/L)	Downstream Monitoring	01D	Annual <sup>[1]</sup>	DISCRT
Mercury, total (as Hg)	30 Day Average	[2]	<= .77 Micrograms per Liter (ug/L)	Downstream Monitoring	01D	Annual <sup>[1]</sup>	DISCRT

Notes (Discharge Limitations Table):

1. Annual analysis to be performed in the 4th quarter.
2. A total mercury concentration exceeding the 0.77 µg/l annual analysis limitation shall trigger monthly total mercury analyses with a daily maximum discharge limit of 1.4 µg/l, the acute standard, until two consecutive analyses meet the chronic standard.

**Discharge Limitations Table for Sum Of All 3 Flumes' Discharge To Be Reported Monthly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Flow rate	Daily Maximum	<= 19.872 Million Gallons per Day (Mgal/d)		Effluent Gross	SUM	Continuous <sup>[1]</sup>	CALCTD
Flow rate	30 Day Average	<= 19.872 Million Gallons per Day (Mgal/d)		Effluent Gross	SUM	Continuous <sup>[1]</sup>	CALCTD

Notes (Discharge Limitations Table):

1. Monitor flow from Outfalls 001, 002, and 003 continuously and report daily maximum and 30-day average total flow (sum {001+002+003}) on monthly DMRs, and submit reports quarterly.

**Rationale for Permit Requirements:**

The rationale for the permit requirements remain the same as in the current permit as there are no substantive changes other than the addition of an outfall for this permit major modification.

**WET Testing:**

The Permittee shall conduct an acute toxicity test during the 4th quarter of 2013. If the effluent is determined to be acutely toxic, the WET testing shall be repeated each quarter for the term of the permit. If the 4th quarter of 2013 effluent is not determined to be acutely toxic, no additional WET testing is required on the effluent for the term of the permit.

**Special Conditions:**

SA – Special Approvals / Conditions Table

Item #	Description
1	<b>Dewatering Well List:</b> A list indicating which dewater wells were operated each day shall be submitted with each quarterly report.
2	<b>Annual Sampling Dewatering Wells/In-pit Sumps:</b> Annual sampling and analyses shall be conducted from each of the dewatering wells or sumps that discharge during the calendar year in accordance with Attachment A Well and Sump Reporting. Each separate well or sump requires a separate report. Annual analysis shall be performed in the 4th Quarter and submitted with annual permit reports.
3	<b>Exception for Section WET.1:</b> The Permittee shall conduct an acute toxicity test during the 4th Quarter of 2013. If the effluent is determined to be acutely toxic, the WET testing shall be repeated each quarter for the term of the permit. If the effluent is not determined to be acutely toxic, no additional WET testing is required on the effluent for the term of the permit.
4	<b>East Pond/Flume 3:</b> prior to discharging a 30-day average of more than 14.4 MGD from the East Pond/Flume 3, the Permittee shall submit to the Division for review and approval an Engineering Report showing a discharge rate greater than 14.4 MGD is not likely to result in discharge that exceeds the current permit limits for the parameters listed in the 01D Outfall Discharge Limitations tables. Within fourteen (14) days of discharging more than 14.4 MGD from the East Pond/Flume 3, the Permittee shall notify the Division of the date of first exceeding a discharge flow rate of 14.4 MGD from the East

Item #	Description
	Pond/Flume 3.
5	<b>West Pond/Flume 1:</b> prior to discharging a 30-day average of more than 10.8 MGD from the West Pond/Flume 1, the Permittee shall submit to the Division for review and approval an Engineering Report showing a discharge rate greater than 10.8 MGD is not likely to result in discharge that exceeds the current permit limits for the parameters listed in the 01D Outfall Discharge Limitations tables. Within fourteen (14) days of discharging more than 10.8 MGD from the West Pond/Flume 1, the Permittee shall notify the Division of the date of first exceeding a discharge flow rate of 10.8 MGD from the West Pond/Flume 1.
6	<b>PROSYS Microfiltration System:</b> Thirty (30) days prior to the start up of the PROSYS microfiltration system, the Permittee shall submit to the Division, for review and approval, 2 copies of a Revised Operation and Maintenance Manual covering the microfiltration portion of the arsenic treatment system. Within fourteen (14) days of PROSYS microfiltration system startup, the Permittee shall notify the Division of the startup date.
7	Part C.13 Solid Waste Screening/Sewage Sludge: does not apply to this permit.

### Reasonable Potential Analysis and Antidegradation Review:

The Permittee is proposing to continue the utilization of an arsenic treatment process that results in compliance with all appropriate Humboldt River water quality standards at the WTP outfall, except for temperature and dissolved oxygen. Due to the 22 mile flow path in ephemeral stream channels, Rabbit and Kelly Creeks, these physical standards were not applied to the discharge in the current permit and are not included in the draft permit. The permit issued prior to the 2006 renewal included monthly and quarterly monitoring of the discharge with surface water standards as the discharge limitations for parameters of concern as determined by a reasonable potential analysis. That issuance of the permit also included quarterly monitoring of the version 07/98 NDEP Profile I parameters. This long term discharge water quality data has been used in a reasonable potential analysis to determine whether further monitoring of each parameter is appropriate. The two ephemeral creeks are neither class nor designated waters, therefore, the Humboldt River at Comus (crossing of state highway 789), Standards of Water Quality, NAC 445A.1444 standards have been applied to the discharge via the tributary rule, NAC 445A.1239. Because the NAC 445A.1236 aquatic life total metals standards are at least as stringent as the 40 CFR Part 440.104 new source performance standards daily maximum effluent guidelines, the state standards have been used to establish the draft permit discharge limitations. For all Hardness based total metals calculations, the Hardness of the discharge at the time of sampling is used to calculate the permit limit. If the discharge total metal analytical results do not exceed the calculated permit limit, compliance is determined. Appropriately low analytical reporting limits must be used.

### Flow:

19.872 MGD, daily maximum and 30-day average flow rate. That rate is applicable to the East Pond, and West Pond, individually, and to the total of all facility discharges. Physical and management BMPs control the discharge rate.

### Corrective Action Sites:

There are no Bureau of Corrective Actions (BCA) remediation sites within a one-mile radius of the subject site.

### Wellhead Protection Program:

The subject facility is within the 6000' Drinking Water Protection Areas (DWPAs) around two non-transient, non-community public water supply wells (Barrick Turquoise Ridge Inc. West Well 1 and Twin Creeks Well 1). A Well Head Protection Area (WHPA) has not been established for this location.

### Schedule of Compliance:

## SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two (2) copies of an updated Operations and Maintenance (O&M) Manual for review and approval by the Division. The O&M Manual shall be prepared and stamped by a Nevada Registered Professional Engineer or other qualified person. If no updates or revisions are required, the Permittee shall submit a letter by the above due date stating that there have been no changes to the previous approved O&M Manual.	9/1/2013

**Deliverable Schedule:**

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Reports (including dewatering well list)	Quarterly	7/28/2013
2	Annual Report (including Attachment A Well/Sump Reporting)	Annually	1/28/2014
3	Annual WET Testing Report	Annually	1/28/2014

**Procedures for Public Comment:**

The Notice of the Division's intent to reissue a permit authorizing the facility to discharge to surface waters of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Reno Gazette Journal, Humboldt Sun** 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. **7/1/2013**, 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: **Michele Reid**

Date: **5/28/2013**

Title: **ES III**