



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

**Permittee Name:** NEVADA GOLD MINES LLC-CORTEZ DISTRICT

HC 66 BOX 1250  
CRESCENT VALLEY, NV 89821

**Permit Number:** NS2024513

**Permit Type:** GROUNDWATER DISCHARGE

**Designation:** GROUNDWATER

**New/Existing:** NEW

**Location:** NEVADA GOLD MINES - CORTEZ DISTRICT, EUREKA  
HC 66 BOX 1250, CRESCENT VALLEY, NV 89821  
LATITUDE: 40.263134, LONGITUDE: -116.718842

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
L10	CORTEZ HILLS CRUSHER LEACH FIELD	External Outfall		40.175135	-116.612181	GROUNDWATER
L11	CORTEZ HILLS AREA 34 LEACH FIELD	External Outfall		40.133836	-116.620367	GROUNDWATER
L12	RANGE FRONT DECLINE LEACH FIELD	External Outfall		40.190382	-116.635446	GROUNDWATER
LF1	PIPELINE TRUCK SHOP LEACH FIELD	External Outfall		40.261724	-116.714974	GROUNDWATER
LF2	PIPELINE MINE OPERATIONS LEACH FIELD	External Outfall		40.228492	-116.643031	GROUNDWATER
LF3	PIPELINE CORE SHED LEACH FIELD	External Outfall		40.263709	-116.719250	GROUNDWATER
LF4	NEW PIPELINE CORE SHED LEACH FIELD	External Outfall		40.264283	-116.720112	GROUNDWATER
LF5	GOLD ACRES LEACH FIELD	External Outfall		40.250825	-116.733122	GROUNDWATER
LF6	PIPELINE AREA 30 LEACH FIELD	External Outfall		40.228492	-116.643031	GROUNDWATER
LF7	MILL 1 LEACH FIELD	External Outfall		40.200037	-116.620139	GROUNDWATER
LF8	CORTEZ HILLS TRUCK SHOP LEACH FIELD	External Outfall		40.164309	-116.604792	GROUNDWATER
LF9	F-CANYON LEACH FIELD	External Outfall		40.190310	-116.622684	GROUNDWATER
S10	CORTEZ HILLS CRUSHER SEPTIC TANK	Internal Outfall	L212	40.216175	-116.627194	GROUNDWATER
S11	CORTEZ HILLS AREA 34 SEPTIC TANK	Internal Outfall	L0212	40.181588	-116.608238	GROUNDWATER
S12	RANGE FRONT DECLINE SEPTIC TANK	Internal Outfall	L0296	40.190382	-116.635446	GROUNDWATER
ST1	PIPELINE TRUCK SHOP SEPTIC TANK	Internal Outfall	L0089	40.261839	-116.715072	GROUNDWATER
ST2	PIPELINE MINE OPERATIONS SEPTIC TANK	Internal Outfall	S0149	40.242978	-116.702694	GROUNDWATER
ST3	PIPELINE CORE SHED SEPTIC TANK	Internal Outfall	L0198	40.263709	-116.719250	GROUNDWATER
ST4	NEW PIPELINE CORE SHED SEPTIC TANK	Internal Outfall	S0140	116.720153	-116.720153	GROUNDWATER
ST5	GOLD ACRES SEPTIC TANK	Internal Outfall	S0321	40.250825	-116.733122	GROUNDWATER
ST6	PIPELINE AREA 30 SEPTIC TANK	Internal Outfall	S0355	40.223736	-116.712341	GROUNDWATER
ST7	MILL 1 SEPTIC TANK	Internal Outfall	L0088	40.199997	-116.620234	GROUNDWATER
ST8	CORTEZ HILLS TRUCK SHOP SEPTIC TANK	Internal Outfall	L0212	40.157622	-116.619152	GROUNDWATER
ST9	F-CANYON SEPTIC TANK	External Outfall	L0204	40.190237	-116.622349	GROUNDWATER

## Permit History/Description of Proposed Action

This is a new permit for the On-Site Disposal System (OSDS) at the Nevada Gold Mines LLC - Cortez District site.

## Facility Overview

This permit covers 12 On-Site Disposal Systems (OSDS) for restrooms at Nevada Gold Mines LLC – Cortez District, with a total capacity of 53,900 gallons. The Mine Plan Area, which includes the Gold Acres, Pipeline, Cortez, and Cortez Hills complexes, spans approximately 58,093 acres. Of this, 54,825 acres are public lands managed by the BLM Mount Lewis Field Office, and 3,268 acres are private lands controlled by Cortez. Due to rotating shifts at Cortez, the number of employees on-site fluctuates during each shift. As of September, there was an average of 2,800 employees across the areas serviced by these septic systems. Solid waste pumped from the septic tanks is transported to the Desert Disposal facility at 8965 Jungo Road, Winnemucca, NV 89445, under permit NS2004511, for land application.

## Outfall Summary

The septic tank outfalls are newly included in this permit and pertain to the On-Site Disposal Systems (OSDS) for the 12 restrooms.

ST1 External Outfall Septic tank 1 (9,000 gallons of tank capacity) Discharge to Leach Field 1  
 ST2 External Outfall Septic tank 2 (3,000 gallons of tank capacity) Discharge to Leach Field 2  
 ST3 External Outfall Septic tank 3 (2,500 gallons of tank capacity) Discharge to Leach Field 3  
 ST4 External Outfall Septic tank 4 (1,000 gallons of tank capacity) Discharge to Leach Field 4  
 ST5 External Outfall Septic tank 5 (1,200 gallons of tank capacity) Discharge to Leach Field 5  
 ST6 External Outfall Septic tank 6 (1,200 gallons of tank capacity) Discharge to Leach Field 6  
 ST7 External Outfall Septic tank 7 (10,000 gallons of tank capacity) Discharge to Leach Field 7  
 ST8 External Outfall Septic tank 8 (12,000 gallons of tank capacity) Discharge to Leach Field 8  
 ST9 External Outfall Septic tank 9 (6,000 gallons of tank capacity) Discharge to Leach Field 9  
 S10 External Outfall Septic tank 10 (1,000 gallons of tank capacity) Discharge to Leach Field 10  
 S11 External Outfall Septic tank 11 (1,000 gallons of tank capacity) Discharge to Leach Field 11  
 S12 External Outfall Septic tank 12 (6,000 gallons of tank capacity) Discharge to Leach Field 12

LF1 External Outfall Leach Field 1 receiving from ST1 External Outfall Septic tank 1  
 LF2 External Outfall Leach Field 2 receiving from ST2 External Outfall Septic tank 2  
 LF3 External Outfall Leach Field 3 receiving from ST3 External Outfall Septic tank 3  
 LF4 External Outfall Leach Field 4 receiving from ST4 External Outfall Septic tank 4  
 LF5 External Outfall Leach Field 5 receiving from ST5 External Outfall Septic tank 5  
 LF6 External Outfall Leach Field 6 receiving from ST6 External Outfall Septic tank 6  
 LF7 External Outfall Leach Field 7 receiving from ST7 External Outfall Septic tank 7  
 LF8 External Outfall Leach Field 8 receiving from ST8 External Outfall Septic tank 8  
 LF9 External Outfall Leach Field 9 receiving from ST9 External Outfall Septic tank 9  
 L10 External Outfall Leach Field 10 receiving from S10 External Outfall Septic tank 10  
 L11 External Outfall Leach Field 11 receiving from S11 External Outfall Septic tank 11  
 L12 External Outfall Leach Field 12 receiving from S12 External Outfall Septic tank 12

## Effluent Characterization

The wastewater treated in the septic tanks comes solely from office buildings on-site, with no industrial wastewater discharged into the system. Only domestic sewage, as defined by NAC 445A.9532, will be discharged into the system.

## Pollutants of Concern

"Pollutants of concern" refers to any substances or parameters anticipated in the discharge that could affect the physical, chemical, or biological quality of the receiving water. When the septic tank system is properly operated and maintained, the primary pollutant of concern is Total Nitrogen.

**Receiving Water**

Receiving water is to groundwater of the State. The depth to groundwater near septic systems depends on the geologic unit in which the system is located. In basin fill areas, groundwater depths typically range from 25 to 100 feet below ground surface (bgs), while in bedrock areas, depths can exceed 500 feet. These estimates are based on a review of water levels from nearby wells.

**Compliance History**

This is a new permit, and there is no compliance history associated with it.

**Proposed Effluent Limitations**

The Permittee is authorized to discharge in accordance with the limitations, requirements and conditions of this permit. The Permittee is required to meet the following permit limits:

**NS OTHER - Discharge Limitations Table for Sample Location L10 (Cortez Hills Crusher Leach Field) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	L10	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

1. Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.

**NS OTHER - Discharge Limitations Table for Sample Location L11 (Cortez Hills Area 34 Leach Field) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	L11	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.

**NS OTHER - Discharge Limitations Table for Sample Location L12 (Range Front Decline Leach Field) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	L 12	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.

**NS OTHER - Discharge Limitations Table for Sample Location Lf1 (Pipeline Truck Shop Leach Field) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	LF1	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.

**NS OTHER - Discharge Limitations Table for Sample Location Lf2 (Pipeline Mine Operations Leach Field) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	LF2	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.



**NS OTHER - Discharge Limitations Table for Sample Location Lf3 (Pipeline Core Shed Leach Field) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	LF3	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.

**NS OTHER - Discharge Limitations Table for Sample Location Lf4 (New Pipeline Core Shed Leach Field) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	LF4	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.

**NS OTHER - Discharge Limitations Table for Sample Location Lf5 (External Outfall) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	LF5	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.

**NS OTHER - Discharge Limitations Table for Sample Location Lf6 (Pipeline Area 30 Leach Field)  
To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	LF6	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.

**NS OTHER - Discharge Limitations Table for Sample Location Lf7 (Mill 1 Leach Field) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	LF7	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

1. Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.

**NS OTHER - Discharge Limitations Table for Sample Location Lf8 (Cortez Hills Truck Shop Leach Field) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	LF8	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

1. Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.

**NS OTHER - Discharge Limitations Table for Sample Location Lf9 (F-Canyon Leach Field) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Pass=0 Fail=1 (pass/fail)		See Footnote <sup>[1]</sup>	LF9	Monthly	VISUAL

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Pass' if the visual inspection was performed on the OSDS; otherwise, report '1' as 'Fail' if the Level 1 visual inspection has not been performed on the OSDS or if any surfacing, damages, or leaks have been observed. A visual inspection of the leach field area shall be conducted routinely to check for any surfacing, damages, or leaks. If surfacing is observed, report it to the NDEP Spill Hotline at 1-888-331-6337.

**NS OTHER - Discharge Limitations Table for Sample Location S10 (Cortez Hills Crusher Septic Tank) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=1; No=0 (Y=1;N=0)		Internal Monitoring Point	S10	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.



**NS OTHER - Discharge Limitations Table for Sample Location S11 (Cortez Hills Area 34 Septic Tank) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=0; No=1 (Y=0;N=1)		Internal Monitoring Point	S11	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.

**NS OTHER - Discharge Limitations Table for Sample Location S12 (Range Front Decline Septic Tank) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=0; No=1 (Y=0;N=1)		Internal Monitoring Point	S12	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.

**NS OTHER - Discharge Limitations Table for Sample Location St1 (Pipeline Truck Shop Septic Tank) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=0; No=1 (Y=0;N=1)		Internal Monitoring Point	ST1	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.

**NS OTHER - Discharge Limitations Table for Sample Location St2 (Pipeline Mine Operations Septic Tank) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=0; No=1 (Y=0;N=1)		Internal Monitoring Point	ST2	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.

**NS OTHER - Discharge Limitations Table for Sample Location St3 (Pipeline Core Shed Septic Tank) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=0; No=1 (Y=0;N=1)		Internal Monitoring Point	ST3	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.

**NS OTHER - Discharge Limitations Table for Sample Location St4 (New Pipeline Core Shed Septic Tank) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=0; No=1 (Y=0;N=1)		Internal Monitoring Point	ST4	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.

**NS OTHER - Discharge Limitations Table for Sample Location St5 (Gold Acres Septic Tank) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=0; No=1 (Y=0;N=1)		Internal Monitoring Point	ST5	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.

**NS OTHER - Discharge Limitations Table for Sample Location St6 (Pipeline Area 30 Septic Tank)  
To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=0; No=1 (Y=0;N=1)		Internal Monitoring Point	ST6	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.



**NS OTHER - Discharge Limitations Table for Sample Location St7 (Mill 1 Septic Tank) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=0; No=1 (Y=0;N=1)		Internal Monitoring Point	ST7	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.

**NS OTHER - Discharge Limitations Table for Sample Location St8 (Cortez Hills Truck Shop Septic Tank) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=0; No=1 (Y=0;N=1)		Internal Monitoring Point	ST8	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.

**NS OTHER - Discharge Limitations Table for Sample Location St9 (F-Canyon Septic Tank) To Be Reported Monthly**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Outfall observation, visual, y/n response	Positive Results	M&R Yes=0; No=1 (Y=0;N=1)		Internal Monitoring Point	ST9	Monthly	VISUAL <sup>[1]</sup>

Notes (NS OTHER - Discharge Limitations Table):

- Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed. Visual inspections require opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually, and if the sludge/solids depth reaches 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.

**Summary of Changes From Previous Permit**

This is a new permit, and no summary of changes from a previous permit is applicable.

**Technology Based Effluent Limitations**

This permit is for OSDS, and no Technology-Based Effluent Limitations are applicable.

NDEP does not typically apply Technology-Based Effluent Limitations (TBELs) to OSDS permits. TBELs are primarily used for larger, more complex wastewater treatment systems, particularly those that handle industrial discharges or municipal wastewater treatment plants (WWTPs). Septic tanks, which are decentralized systems treating domestic sewage, are usually regulated through performance standards, maintenance requirements, and water quality-based limits rather than TBELs.

NDEP focuses on the following for OSDS:

- \* Operational and maintenance requirements, including periodic pumping, inspections, and proper disposal of sludge.
- \* Design standards for septic systems, including tank size, soil percolation rates, and setbacks from water bodies.
- \* Nutrient or pathogen limits, depending on the environmental sensitivity of the area.

States may enforce these regulations under their own guidelines, but septic systems generally fall under Onsite Wastewater Treatment System (OWTS) or Onsite Disposal System (OSDS) regulations, rather than the TBEL framework.

**Water Quality Based Effluent Limitations**

There are currently no specific water quality standards that have been formally adopted by the State for groundwater. However, the Division has the discretion to implement effluent limitations outside of water quality standards per Nevada Administrative Code (NAC) 445A.243, which states, "In establishing an effluent limitation to carry out the policy of this State set forth in NRS 445A.305, consideration must be given to, but is not limited by, the following: ... (2) the need for standards that specify by chemical, physical, biological, or other characteristics the extent to which pollution by various substances will not be tolerated." The constituents listed in Profile I have been vetted by the Division and have been included in groundwater discharge permits for many years as a means of regulating groundwater quality. Per Nevada Revised Statute (NRS) 445A.490, "No permit may be issued which authorizes any discharge or injection of fluids through a well into any waters of the State: ... (3) which would result in the degradation of existing or potential underground sources of drinking water."

**Basis for Effluent Limitations**

Basis for Effluent Limitations are discussed in the WQBEL section.

**Septic Systems:**

The Permittee is required to perform visual inspections of the septic systems to verify whether the scum and sludge have exceeded 50% of the liquid depth of the septic tank and to ensure the septic systems are functioning adequately to treat domestic sewage. Once the scum or sludge reaches 50%, the Permittee is required to pump the septic tank.

**Leach Fields:**

The Permittee is required to perform visual inspections of the leach field systems to verify that no water reaches the surface. If surface water appears, the Permittee shall follow the instructions in the O&M manual.

**Anti-backsliding**

To prevent backsliding, effluent limitations in reissued permits must be as stringent as those in the previous permit. This permit is not subject to backsliding because it is a new permit.

**Antidegradation**

The Division has developed an antidegradation regulation that is applied statewide and meets the statutory requirements of Nevada’s water pollution control law, as found in Nevada Revised Statutes (NRS) 445A.520 and NRS 445A.565. This regulation is consistent with the federal antidegradation policy outlined in Title 40 of the Code of Federal Regulations (CFR) § 131.12. The objective of the Division’s antidegradation regulation is to prevent the degradation of Nevada’s surface waters and to maintain the unique attributes, special characteristics, and water quality associated with high-quality waters.

Since this permit is for potential discharges to groundwater and not surface water, the new antidegradation rule is not applicable. Currently, there are no specific water quality standards that have been formally adopted by the State for groundwater.

**Special Conditions**

See the Special Approvals / Conditions Table below.

SA – Special Approvals / Conditions Table

Item #	Description
1	The rated treatment capacity of each septic tank shall not be exceeded.
2	The septic tank treatment and disposal systems shall be used only for the treatment of domestic sewage. Domestic sewage is defined in NAC 445A.9532 as any liquid and waterborne waste derived from ordinary living processes and of a character that permits its satisfactory disposal into a public sewer or an onsite sewage disposal system without special treatment. The term does not include industrial waste. The discharge of toxic, hazardous, industrial, or laboratory waste material to any permitted WWTF is strictly prohibited.
3	Septic tank(s) shall be pumped by a licensed septage hauler whenever the combined depth of scum and sludge equals or exceeds 50% of the total liquid depth, or more frequently as necessary to maintain efficient solids removal. Septic tanks shall be pumped at least once every three years for maintenance purposes. The date, tank number, volume of septage removed, and the name of the septage hauler shall be maintained onsite in accordance with Part A.2.8 of the permit. Sludge disposal shall be in accordance with applicable regulations.

**Discharges From Future Outfalls/ Planned Facility Changes**

The Permittee does not intend to discharge from future outfalls or make planned facility changes.

**Corrective Action Sites**

There is one active Bureau of Corrective Actions site located within a one-mile radius of the mine. Permit GU07RL-51036 is located in the Mill 1 area in conjunction with Water Pollution Control Permit NEV0000023.

**Wellhead Protection Program**

A Public Water Supply (PWS) well is located roughly 750 feet south of outfall LF7, placing it within a 3,000-foot Drinking Water Protection Area, which surrounds any PWS well. Another PWS well lies approximately two miles northeast of the facility's northernmost point and three miles from the nearest outfall. Neither outfall is within a Wellhead Protection Area (WHPA), which would indicate a 10-year capture zone for a well. These wells, drilled into a confined aquifer at a depth of 710 feet with a sanitary seal at 60 feet, have a static water level of 165 feet and a screen depth of 500-700 feet, making the risk to the wells minimal due to the confined aquifer and well structure. Per NAC 445A.965, the required setback from a disposal field to a public water supply well is 150 feet. The leach field is located north of the spill site. The Nevada Gold Mines Cortez Pipeline facility includes these wells, and historically, any PWS well within five miles is noted in a permit if even one falls within 3,000 feet of an outfall.

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	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> .	4/28/2025

**Deliverable Schedule:**

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	4/28/2025
2	Annual Report	Annually	1/28/2026

**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 mailed to interested persons on our mailing list and will be posted on our website at <https://ndep.nv.gov/posts>. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **12/8/2024**, 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 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 issue/re-issue the proposed 5-year permit.

Prepared by: **Lior Singer P.E. M.Sc.**

Date: **11/5/2024**

Title: **Environmental Engineer**