NEVADA DIVISION OF
ENVIRONMENTAL
PROTECTION

A division of the
Nevada Department of Conservation & Natural Resources

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FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: LAS VEGAS PAVING CORP

4420 S. DECATUR BLVD.
LAS VEGAS, NV 89103

Permit Number: NS2021511

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: HIGH SPEED RAIL, CLARK
INTERSTATE 15, LAS VEGAS/PRIMM, NV 89109
LATITUDE: 35.777022, LONGITUDE: -115.331264
TOWNSHIP: 27, RANGE: 59, SECTION: 08

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
002	CULVERT 1	Internal Outfall		35.6406	-115.3839	GROUNDWATER OF THE STATE
003	DRY CREEK 1	Internal Outfall		35.6529	-115.3818	GROUNDWATER OF THE STATE
004	DRY CREEK 2	Internal Outfall		35.7467	-115.3543	GROUNDWATER OF THE STATE
005	DRY CREEK 3	Internal Outfall		35.8581	-115.2587	GROUNDWATER OF THE STATE
007	DUCK CREEK	Internal Outfall		35.9501	-115.1827	GROUNDWATER OF THE STATE
008	OTHER WATERWAY/DRAINAGE	Internal Outfall		35.780260	-115.329462	GROUNDWATER OF THE STATE
009	EPHEMERAL WASH E50	Internal Outfall		35.92971430	-115.208716	GROUNDWATER OF THE STATE
010	UPPER DUCK CREEK	Internal Outfall		35.93913610	-115.213771	GROUNDWATER OF THE STATE
011	EPHEMERAL WASH E60	Internal Outfall		35.96392190	-115.175904	GROUNDWATER OF THE STATE
012	EPHEMERAL WASH E70	Internal Outfall		35.97903980	-115.180727	GROUNDWATER OF THE STATE
013	EPHEMERAL DRAINAGE E80	Internal Outfall		36.02515540	-115.180109	GROUNDWATER OF THE STATE
014	EPHEMERAL DRAINAGE E90	Internal Outfall		36.04102220	-115.180166	GROUNDWATER OF THE STATE

Permit History/Description of Proposed Action

This is the first renewal of an existing permit. The Permittee, Las Vegas Paving Corp., has applied for renewal of their existing individual working in waterways permit for the "High Speed Rail" project. The project corridor is located between the Nevada state line to just north of Blue Diamond Road in Las Vegas,

Clark County. The planned railway will be built east of, and between, the north and south lanes of Interstate 15 (I-15). To handle the additional weight and ensure sufficient capacity for stormwater flow, the existing stormwater lateral crossings on I-15 will be re-constructed using heavy machinery. Activities include complete or partial removal of the existing structures and construction of new structures. Front-end loaders and track hoes will be used inside the waterway to remove the existing structures and grade the soil to required levels. End dump trucks and cranes will be staged just outside of the waterway, and they will be used to remove excess soil and set precast concrete box structures. All lateral crossings are within ephemeral washes. The Permittee is proposing to operate heavy equipment (rolling stock) within ephemeral channels for the construction of a linear transportation project. Best Management Practices (BMPs) shall be utilized to prevent erosion and degradation of waters of the State.

Facility Overview
Las Vegas Paving Corp. is constructing the High Speed Rail Project. Construction will require operating heavy equipment (rolling stock) within ephemeral channels along the project corridor. The construction is anticipated to take approximately five (5) additional years. This permit does not authorize discharges to waters of the State and/or waters of the U.S.

Outfall Summary
All of the outfalls (monitoring locations) represent potentially sensitive areas (i.e. ephemeral washes, culverts, and a dry lake bed). The monitoring requirements in this permit were developed to preserve the flow characteristics and water quality at these locations.

Outfall 002 (CULVERT 1)- is the permitted working in waters area for CULVERT 1 along the project corridor.
Outfall 003 (DRY CREEK 1) - is the permitted working in waters area for DRY CREEK 1 along the project corridor.
Outfall 004 (DRY CREEK 2) - is the permitted working in waters area for DRY CREEK 2 along the project corridor.
Outfall 005 (DRY CREEK 3) - is the permitted working in waters area for DRY CREEK 3 along the project corridor.
Outfall 007 (DUCK CREEK) - is the permitted working in waters area for DUCK CREEK along the project corridor.
Outfall 008 (OTHER WATERWAY/DRAINAGE) - is the permitted working in waters area for OTHER WATERWAY/DRAINAGE along the project corridor.
Outfall 009 (EPHEMERAL WASH E50) - is the permitted working in waters area for EPHEMERAL WASH E50 along the project corridor.
Outfall 010 (UPPER DUCK CREEK) - is the permitted working in waters area for UPPER DUCK CREEK along the project corridor.
Outfall 011 (EPHEMERAL WASH E60) - is the permitted working in waters area for EPHEMERAL WASH E60 along the project corridor.
Outfall 012 (EPHEMERAL WASH E70) - is the permitted working in waters area for EPHEMERAL WASH E70 along the project corridor.
Outfall 013 (EPHEMERAL WASH E80) - is the permitted working in waters area for EPHEMERAL WASH E80 along the project corridor.
Outfall 014 (EPHEMERAL WASH E90) - is the permitted working in waters area for EPHEMERAL WASH E90 along the project corridor.

Effluent Characterization
No discharge is planned, this permit authorizes operating heavy equipment (rolling stock) within waters of the State. This permit does not authorize discharges to waters of the State or U.S.

Pollutants of Concern
Pollutants of concern are any pollutant, or parameters, that are believed to be present in the discharge and could affect or alter the physical, chemical, or biological, conditions of the receiving water. Pollutants of concern include:

Total Petroleum Hydrocarbons (TPH): potential accidental TPH discharge from equipment operating in and around the channels.
Turbidity: construction activities are potential turbidity plume events.
Monitoring and sampling is required to ensure protection of waters.

Receiving Water
The receiving water is groundwater of the State via percolation through unnamed ephemeral channels.

No discharge is authorized under this permit.

Compliance History
The Permittee is in compliance with their permits, including temporary permits, for this project.

Proposed Effluent Limitations
The discharge shall be limited and monitored by the Permittee as specified below:

Zero Discharge Limitations Table for Sample Location 002 (Culvert 1) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	002	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)[2]	See Footnote[2]	002	See Permit[2]	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	002	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	002	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter, and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.

Zero Discharge Limitations Table for Sample Location 003 (Dry Creek 1) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	003	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)[2]	See Footnote[2]	003	See Permit[2]	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	003	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	003	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter, and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.

Zero Discharge Limitations Table for Sample Location 004 (Dry Creek 2) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	004	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)[2]	See Footnote[2]	004	See Permit[2]	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	004	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	004	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.

Zero Discharge Limitations Table for Sample Location 005 (Dry Creek 3) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	005	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)[2]	See Footnote[2]	005	See Permit[2]	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	005	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	005	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.

Zero Discharge Limitations Table for Sample Location 007 (Duck Creek) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	007	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)[2]	See Footnote[2]	007	See Permit[2]	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	007	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	007	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.

Zero Discharge Limitations Table for Sample Location 008 (Other Waterway/Drainage) To Be Reported Monthly[5]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	008	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)[2]	See Footnote[2]	008	See Permit[2]	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	008	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	008	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.
5. A record of the location, including the longitude and latitude shall be collected in each location, and submitted to NDEP with the DMR submittal.

Zero Discharge Limitations Table for Sample Location 009 (Ephemeral Wash E50) To Be Reported Monthly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	009	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)[2]	See Footnote[2]	009	See Permit[2]	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	009	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	009	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.

Zero Discharge Limitations Table for Sample Location 010 (Upper Duck Creek) To Be Reported Monthly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	010	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)[2]	See Footnote[2]	010	See Permit[2]	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	010	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	010	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.

Zero Discharge Limitations Table for Sample Location 011 (Ephemeral Wash E60) To Be Reported Monthly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	011	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 10 Milligrams per Liter (mg/L)[2]	See Footnote[2]	011	See Permit[2]	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	011	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	011	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.

Zero Discharge Limitations Table for Sample Location 012 (Ephemeral Wash E70) To Be Reported Monthly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	012	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)[2]	See Footnote[2]	012	See Permit[2]	DISCRT
Turbidity	Value		M&R Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	012	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	012	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.

Zero Discharge Limitations Table for Sample Location 013 (Ephemeral Drainage E80) To Be Reported Monthly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	013	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)[2]	See Footnote[2]	013	See Permit[2]	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	013	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	013	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.

Zero Discharge Limitations Table for Sample Location 014 (Ephemeral Drainage E90) To Be Reported Monthly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	< 1 Pass=0 Fail=1 (pass/fail)[1]		See Footnote[1]	014	Daily	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)[2]	See Footnote[2]	014	See Permit[2]	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)[3]	See Footnote[3]	014	See Permit[3]	METER[3]
Flow rate	Value	M&R Gallons per Minute (gal/min)		See Footnote[4]	014	See Permit[4]	METER

Notes (Zero Discharge Limitations Table):

1. Observe and report the condition of BMPs. If functioning properly, report "0". If malfunctioning or not installed report "1". Please see special approval item #13.
2. Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP, this limit applies to each spill event.
3. If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Monitor flow if a water body diverted or rerouted; report on Discharge Monitoring Reports.

Summary of Changes From Previous Permit
Outfalls 001 (DRY LAKE) and 006 (CULVERT 2) have been removed from the permit at the permittees request.

Outfalls 009 (EPHEMERAL WASH E50), 010 (UPPER DUCK CREEK), 011 (EPHEMERAL WASH E60), 012 (EPHEMERAL WASH E70), 013 (EPHEMERAL DRAINAGE E80), and Outfall 014 (EPHEMERAL DRAINAGE E90) have been added to the permit at the permittees request.

Technology Based Effluent Limitations
N/A, technology based effluent limitations are not applicable to this permit.

Water Quality Based Effluent Limitations
N/A, water quality based effluent limitations are not applicable to this permit.

Proposed Water Quality Based Effluent Limits (monthly/weekly/daily)
Water quality based effluent limitations are not applicable to this permit.

Basis for Effluent Limitations
The Division has established the monitoring requirements in above tables to ensure that waters of the State are not degraded as a result of project activities. Quarterly reporting is adequate based on the nature of the proposed work and local atmospheric conditions (arid).
The 50 NTU value is consistent with the limitations for turbidity established in temporary discharge permits

issued by the Division that authorize the operation of heavy equipment and work in waters of the State.
TPH are required to be under the Bureau of Corrective Actions action level of 1.0 mg/L in any discharges to the groundwater. TPH are limited to 1.0 mg/L per the State action level for remediation projects and therefore will be sampled for in the event of a spill.
Permit requirements are included to ensure protection of human health and waters of the State. Daily visual inspection of equipment and BMPs is required so the Permittee can identify and correct potential pollution before discharge to a water of the State and for the protection of the environment.

Anti-backsliding
The conditions have not been made less stringent for this renewal. No discharge is authorized.

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

As this permit is for discharges to groundwater, and not surface water, the new antidegradation rule is not applicable.

Special Conditions
The Special Conditions listed below are to protect the waters where work will be performed onsite and downstream.

SA – Special Approvals / Conditions Table

Item #	Description
1	Following consultation with the U.S. Army Corps of Engineers, the Permittee shall communicate (or confirm) final project details and the project schedule for the Division's review and approval prior to the commencement of the project. This permit may be modified by the Division, as needed, subsequent to the review of the final project documents.
2	Any heavy equipment to be used in the work area must be steam cleaned at least once before work in the water bodies commences.
3	All equipment shall be inspected for leaks daily prior to use and periodically throughout the day.
4	Monitor in the event of a leak/visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway and report to NDEP.
5	All equipment fueling and storage of fuels shall be located off-site and at least 100 feet away from the waterbody edge.
6	Spill containment equipment shall be readily available for use as needed.
7	Vehicle use in unpaved areas shall be conducted in such a way as to minimize soil disturbance. No work or stockpiling will be done with an approaching storm, during a precipitation event and BMP's will be in place prior to a storm event.
8	A record shall be kept of each day's use of heavy equipment in the waterbody and adjacent project areas.
9	Precautions must be taken to minimize damage to any aquatic habitat in the project area during operation of equipment on the project.
10	Concrete washout shall not be performed in or near the waterbody or other channels. Incident stormwater shall be managed with appropriate BMPs to ensure that other permit requirements are met at all times during project activities and construction period.
11	Disturbed areas shall be restored as much as practicable in conformance with approved plans.
	Best Management Practices (BMPs) shall be applied and precautions shall be taken to prevent and

Item #	Description
12	control releases of debris, sediment, any transport of sediments, and to prevent and control turbidity in the waterbody during construction activities.
13	Other BMPs may include but will not be limited to construction fences, track-out devices, vegetation protection, and other BMPs as consistent with applicable BMP manuals and handbooks. If at any time the current BMPs are not effective, consultation with the Division is required prior to work resuming.
14	Care shall be taken when removing turbidity curtains, protective fencing, and other BMPs from the waterbody work areas to remove the captured material safely and effectively.
15	If a visible turbidity plume is generated and it lasts for 15 minutes, work shall be ceased immediately, and grab samples shall be taken from the center of the plume at a location that is 200 feet downstream, and a location that is 100 feet upstream of the work area. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value at 200 feet downstream minus the value at 100 feet upstream. The width and depth of the plume must be estimated at that time and recorded. BMPs increased to stabilize the situation prior to resuming work.
16	The Permittee bears the responsibility to ensure that the requirements of this permit are fully satisfied.
17	Odors: There shall be no objectionable odors generated in the conduct of this project.
18	Water Quality Standards: There shall be no discharge of substances that would cause a violation of water quality standards of the State of Nevada.
19	Presumption of Possession and Compliance: Copies of this permit and any subsequent modifications shall be maintained at the permitted project site at all times.
20	Prior to any groundwork, the permit holder shall evaluate the status of each Bureau of Corrective Actions (BCA) site summarized in Attachment A, and develop protocols to prevent cross-contamination in these areas. The protocols shall be submitted to BCA.

Discharges From Future Outfalls/ Planned Facility Changes
No further planned changes at this time.

Corrective Action Sites
There are 63 remediation sites within a 1-mile radius of the project location. Out of these 63 sites, only 15 are in the construction zone. Prior to any groundwork, the permit holder must contact the Bureau of Corrective Actions (BCA) about the remediation sites located along the high speed rail alignment to determine if disturbing the sites could cause cross contamination and/or degrade the groundwater. A list of these 15 sites is included as Attachment A. Protocols for working in contaminated areas must be developed.

Wellhead Protection Program
The outfalls are not located within a Wellhead Protection Area, which represents an approximate 10-year capture zone of a well, or within a Drinking Water Protection Area, which is defined by a 3,000-foot radius around a PWS well.

Schedule of Compliance:

SOC – Schedule of Compliance Table

There are no Schedule of Compliance items

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	1/28/2027

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. **8/3/2026,** 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 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: **Aaron Park**
Date: **6/30/2026**
Title: **Staff II, Associate Engineer**