NEVADA DIVISION OF
ENVIRONMENTAL
PROTECTION

A division of the
Nevada Department of Conservation & Natural Resources

STATE OF NEVADA
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FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: LAKE MEAD NATIONAL RECREATION AREA

601 NEVADA WAY
BOULDER CITY, NV 89005

Permit Number: NS2027503

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: NEW

Location: ECHO BAY BOAT LAUNCH RAMP, CLARK
ECHO BAY ROAD, OVERTON, NV 89040
LATITUDE: 36.297840, LONGITUDE: -114.403661
TOWNSHIP: T19S, RANGE: R68E, SECTION: S09

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	LAKE MEAD	External Outfall		36.297836	-114.403661	LAKE MEAD

Permit History/Description of Proposed Action
This is a new permit. The Permittee, Lake Mead National Recreation Area, has applied for a permit for the "Echo Bay Boat Launch Ramp" project. The Permittee is proposing to operate heavy equipment (rolling stock) within Lake Mead for repair and extension of the existing boat launch ramp at Echo Bay, near Overton, Clark County. The existing boat launch ramp will be extended lakeward. Best Management Practices (BMPs) shall be utilized to prevent degradation of waters of the United States (U.S.) and waters of the State to include working within a turbidity curtain.

Facility Overview
The Permittee is proposing to repair and extend the existing boat launch ramp in Echo Bay, in Lake Mead, Clark County. Echo Bay launch ramp is on public land managed by the National Park Service and offers boat launch ramps, picnic areas, camping, and hiking trails for public use.

Outfall Summary
Outfall 001 - This external outfall is for the permitted, turbidity-curtained working in waters area located in Lake Mead.

Effluent Characterization
No discharge is planned, this permit authorizes the operation of heavy equipment (rolling stock) within waters of the State. This permit does not authorize any 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 due to the proposed activity 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 Lake Mead.

Turbidity: construction activities are potential turbidity plume events.

Monitoring and sampling is required to ensure protection of waters.

Receiving Water
No discharge is permitted. The receiving water is Lake Mead, a water of the U.S. and State.

Compliance History
This is a new permit.

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

Zero Discharge Limitations Table for Sample Location 001 (Lake Mead) To Be Reported Quarterly[5]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Area inspection visual	Value	M&R Pass=0 Fail=1 (pass/fail)		See Footnote[1]	001	Instantaneous	VISUAL
Hydrocarbons, total petroleum	Value		<= 1.0 Milligrams per Liter (mg/L)	See Footnote[2]	001	Instantaneous	DISCRT
Turbidity	Value		<= 50 Nephelometric Turbidity Units (NTU)	See Footnote[3]	001	Instantaneous	METER[4]

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". See Special Approvals / Conditions Table item #10.
2. Sample the affected water in the event of a visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway. Report to NDEP immediately. This limit applies to each spill event.
3. If a visible turbidity plume is generated outside the turbidity curtain work shall cease immediately and the plume shall be sampled using a handheld turbidimeter or other field instrument. Samples shall be taken from the center of the plume at least 10feet outside of the turbidity curtain. The turbidity must be measured with a calibrated field meter and the net increase shall be calculated as the value of the ambient lake water minus the value at the plume location. The width and depth of the plume must be estimated at that time and recorded. BMPs must be reevaluated to stabilize the situation prior to resuming work. This limit is to be applied to the net increase in turbidity.
4. Visually monitor turbidity continuously when active work is occurring in water. If a visual sediment plume occurs outside the turbidity curtain that originates from the work area, sample at the outfall using a handheld turbidimeter or other field instrument: record all values in a water quality logbook, and report maximum daily values for each outfall.
5. If no discharge occurs, please use no data indicator (NODI) code "C" when reporting to NetDMR.

Summary of Changes From Previous Permit
Not applicable, this is a new permit.

Technology Based Effluent Limitations
Technology based effluent limitations are not applicable to this permit.

Water Quality Based Effluent Limitations
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 the 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 25 Nephelometric Turbidity Units (NTU) value is found at NAC 445A.2152 which contains the water quality standards for Lake Mead. 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 Best Management Practices (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
Not applicable, this is a new permit.

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 there are no discharges authorized under this permit, 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	Spill containment equipment shall be readily available for use as needed.
2	All equipment shall be inspected for leaks daily prior to use and periodically throughout the day.
3	All equipment fueling and storage of fuels shall be located off site and at least 100 feet away from any water of the State.
4	Turbidity curtains shall not be removed until water quality standards found at NAC 445.2152 are met within the turbidity curtains.
5	Any heavy equipment to be used in the work area must be steam cleaned at least once before work in Lake Mead commences.
6	No work or stockpiling will be done with an approaching storm or during a precipitation event and BMP's will be in place prior to a storm event.
7	Presumption of Possession and Compliance: Copies of this permit and any subsequent modifications shall be maintained at the permitted project site at all times.
8	Sample the affected water in the event of a visible sheen, or equipment leak within 100 feet of the active project work areas, resulting in a spill in or near the waterway. Report to NDEP immediately.
9	Best Management Practices (BMPs) shall be applied and precautions shall be taken to prevent and control releases of debris, sediment, any transport of sediments, and to prevent and control turbidity in the waterbody during construction activities.
10	Other BMPs may include but are not 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.
11	Turbidity meter/instruments, when applicable, must be calibrated to a range of 150 NTU; meter calibrations must be performed daily, prior to the first sample collection of the day, in the event of a turbidity plume event. If the turbidity outside of the turbidity curtain is measured at a level greater or equal to 100 NTU the Permittee shall cease operations and reevaluate the best management practices (BMPs) to mitigate turbidity prior to recommencing construction activates.
12	Section C.2.1. of this permit is not applicable, the Permittee shall operate in accordance with an approved BMP Plan.
13	Section B of this permit is not applicable.

Discharges From Future Outfalls/ Planned Facility Changes

Not applicable, there are no planned future outfalls or facility improvements.

Corrective Action Sites
There are zero (0) Bureau of Corrective Actions (BCA) sites within a one-mile radius of the project site.

Wellhead Protection Program
The outfall is 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 public water supply (PWS) well.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two (2) copies (one (1) electronic and one (1) hard copy) of a Best Management Practices (BMP) plan for review and approval by the Division to be prepared by either a qualified Nevada engineer (P.E.) or environmental manager.	3/28/2027

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	4/28/2027

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. **12/14/2026,** 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: **11/10/2026**
Title: **Staff II, Associate Engineer**