



NEVADA DIVISION OF
**ENVIRONMENTAL
PROTECTION**

STATE OF NEVADA
Department of Conservation & Natural Resources
Steve Sisolak, Governor
Bradley Crowell, Director
Greg Lovato, Administrator

October 28, 2020

Mr. Mark Paris
Basic Remediation Company (BRC)
875 West Warm Springs Road
Henderson, NV 89011

RE: Final Permit Decision - BRC *Remedial Action Plan (RAP) Permit* Renewal
EPA ID# NVR000082255 RCRA Permit dated October 28, 2020

Dear Mr. Paris:

Enclosed please find the renewed *Remedial Action Plan (RAP) Permit* issued for the Remediation Waste Management Site owned and operated by Basic Remediation Company (BRC) in Henderson Nevada. The Nevada Division of Environmental Protection- Bureau of Industrial Site Cleanup (NDEP- BISC) is issuing the renewed RAP Permit as a result of BRC's Updated Permit Application for Corrective Action Management Unit (CAMU) received on April 10, 2020 and last revised August 25, 2020. The permit acknowledges completion of Phase V and the final closure of the CAMU and provides for the post-closure care of the facility.

For reference, the NDEP-BISC provided public notice of the draft Permit on September 10, 2020 and the 45-day public comment period for the proposed permit ended on October 22, 2020 during which no public comments were received. As such, the Final Permit is issued for a period of ten (10) years, effective October 28, 2020. Please retain the enclosed Permit at the BRC facility along with a copy of this letter.

The effort and cooperation provided by BRC in the course of the permit renewal is greatly appreciated. If you have any questions regarding this matter or if we can be of any other assistance, please contact me directly at (702) 668-3914 or jdotchin@ndep.nv.gov.

James Dotchin
Chief, Bureau of Industrial Site Cleanup

enc: BRC RAP Permit (Renewal)

cc: scan-file

ec: Greg Lovato, Administrator, NDEP
Jeffrey Kinder, Deputy Administrator, NDEP
James Dotchin . NDEP-BISC: jdotchin@ndep.nv.gov
Grant Evenson. NDEP-BISC: gevenson@ndep.nv.gov
Lee Farris, P.E., Vice President, The LandWell Company, BRC via email: lfarris@landwellco.com
Ranajit Sahu, Ph.D., BRC Project Manager via email: sahuron@earthlink.net



**RCRA PERMIT For
HAZARDOUS REMEDIATION WASTE
MANAGEMENT
(REMEDIAL ACTION PLAN)**



This PERMIT is issued by the Nevada Division of Environmental Protection (Division) under the authority of Nevada Revised Statutes (NRS) 459.520 and Nevada Administrative Code (NAC) 444.842 through 444.960. The State of Nevada has adopted 40 CFR Subpart A of Part 2, Subparts A and B of Part 124, and Parts 260 through 270 inclusive, by reference in the NAC at 444.8632 with exceptions listed at 444.86325 and as revised at 444.8633. Therefore, all references to 40 CFR in this Permit shall be interpreted to include reference to NAC 444.8632.

This PERMIT is prepared as a *Remedial Action Plan* (RAP) and is issued in accordance with the provisions of 40 CFR Part 270 Subpart H and the requirements of 40 CFR 270.135.

The PERMIT hereby authorizes the owner and operator (Permittee) known as: Basic Remediation Company

(BRC)
875 West Warm Springs Road
Henderson, Nevada 89015
(702) 567-0400

To operate and close the *Remediation Waste Management Site* (RWMS) identified as:

BRC CAMU (Landfill) Clark County, Nevada
Township 22S /Range 62E /Sections 11 and 12

EPA ID#: NVR000082255

Located at: Latitude: 36.048953°N, Longitude: 115.013197°W

Whose structure and boundaries are shown on the maps in Attachments A and B of the RAP Permit Application as revised in the April 2020 document (the Application). The RWMS includes a *Corrective Action Management Unit* (CAMU) as defined in 40 CFR Part 264.552 and is described as a landfill. The CAMU is designated for the purpose of managing *remediation waste* in accordance with 40 CFR 264.552(a) and shall be constructed, operated, and closed in accordance with the following terms and conditions.



**RCRA PERMIT
FOR
HAZARDOUS REMEDIATION WASTE MANAGEMENT**

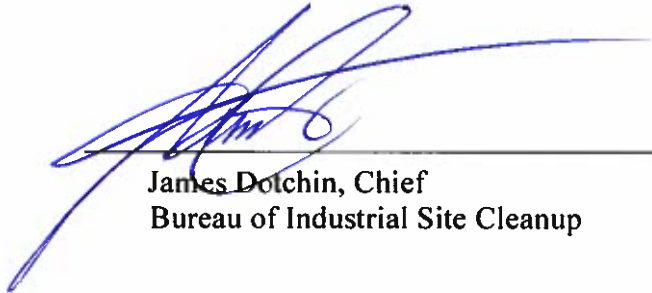
EFFECT AND LIMIT OF REMEDIAL ACTION PLAN PERMIT

Any inaccuracies found in the Application or any information submitted by the Permittee may be grounds for the termination, revocation and reissuance, or modification of this PERMIT and may result in enforcement action by the Division. The Permittee must inform the Division of any deviation from, or changes in, the information in the Application which would affect the Permittee's ability to comply with applicable regulations or conditions of the PERMIT. Failure to comply with any term or condition set forth in this PERMIT in the time or manner specified herein will subject the Permittee to possible enforcement action and penalties pursuant to NRS 459.565, 459.570, 459.585, and 459.595.

This PERMIT is effective as of **October 28, 2020** (or as subsequently modified and revised) and shall remain in effect until **October 28, 2030** unless revoked and reissued under 40 CFR 270.41 and 270.180, terminated under 40 CFR 270.43 and 270.185, or continued in accordance with 40 CFR 270.205.

October 28, 2020

Date



James Dolchin, Chief
Bureau of Industrial Site Cleanup

CAMU PERMIT

Basic Remediation Company

TERMS AND CONDITIONS

I. General

The Permittee shall comply with the general terms and conditions of 40 CFR Part 270.30.

Permit conditions noted in italics below represent requirements that were pertinent to the previous construction phases of the BRC CAMU which have now been completed. These elements have been retained within the renewed permit for reference purposes and to maintain a consistent format for the permit.

II. Pre-Construction

- A. *At least 30 days prior to excavation or construction, the Permittee shall submit a final design (including engineered drawings) that complies with the terms and conditions of this Permit and conforms with the conceptual design described in Attachment J. The final design shall be incorporated as Attachment K. [Note: All Attachments, unless otherwise noted, refer to Attachments to the RAP Application.]*
- B. *At least 30 days prior to excavation or construction, the Permittee shall submit a final Construction Quality Assurance Plan (CQAP) in accordance with 40 CFR 264.19 and Attachment L.*

III. Design, Construction and Operation

- A. *The landfill shall be designed and constructed using a liner system that satisfies the requirements of 40 CFR 264.301(d) as described in Attachment J and K.*
- B. *The Permittee shall construct the landfill, including installation of a liner system, in accordance with Attachment J, K and L.*
- C. *The landfill shall be designed and constructed in a manner such that it is completely above the seasonal high-water table.*
- D. *Prior to final preparation of the foundation grade and installation of the liner system, the Permittee shall obtain written concurrence from the Division that excavation and compaction is satisfactory and complete.*
- E. *The Permittee shall conduct the monitoring and inspection activities during construction and installation of the liner system as required in 40 CFR 264.303(a) in accordance with the CQAP and Attachment L.*
- F. *The Permittee shall use moisture and synthetic control measures as described in Attachment M to prevent the occurrence and dispersal of dust during excavation,*

construction and operation of the landfill.

- G. The Permittee shall manage all excavated and subgrade material within the boundaries of the RWMS unless the material is determined to be free of contamination in accordance with an acceptable "exit criteria" as approved by the Division. The Permittee shall obtain case-by-case approval for release of specific volumes of material originating within the RWMS destined for off-site use or management. Native soils used from within the RWMS for the construction of the berms and cover of the landfill shall also meet the same "exit criteria".
- H. The landfill shall be designed and constructed using a leachate collection system as described in Attachments K & L that is:
- (1) *constructed with a bottom slope of one percent or more;
constructed of granular drainage materials with a hydraulic conductivity of 1×10^2 cm/sec or more and a thickness of 12 inches (30.3 cm) or more; or constructed of synthetic or geonet drainage material with a transmissivity of 3×10^5 m²/sec or more;*
 - (2) *constructed of materials that are chemically resistant to the waste managed in the landfill and the leachate expected to be generated, and of sufficient strength and thickness to prevent collapse under the pressures exerted by overlying wastes, waste cover materials, and equipment used at the landfill;*
 - (3) designed and operated to minimize clogging during the active life and closure and post-closure care period; and
 - (4) constructed with sumps, risers and portals of sufficient size to collect, detect and remove (i.e., pump) liquids from the sumps and prevent liquids from backing up into the drainage layer during the active life and closure and post-closure care period.
- I. The Permittee shall collect and remove pumpable liquids in the leachate collection system sumps to minimize head on the bottom liner. At no time shall the head on the liner be allowed to exceed one (1) foot. The Permittee shall measure and record the volume of leachate removed in accordance with the Operation and Monitoring Plan (Attachments M and N). Pursuant to 40CFR 261.31, collected leachate shall be managed as F039 listed hazardous waste.
- J. The Permittee shall design, construct, operate, and maintain a run-on control system capable of preventing flow onto the active portion of the landfill during peak discharge from at least a 100-year storm.
- K. The Permittee shall design, construct, operate, and maintain a stormwater run-off management system to collect and control at least the volume of water resulting from a 24-hour, 100-year storm.

- L. The Permittee shall empty, or otherwise manage, run-on and run-off control systems immediately after storm events to maintain the design capacity.
- M. *The Permittee shall notify the Division and submit the certification required by 40 CFR 264.19(d) [i.e., certification signed by CQA officer] at least 10 days prior to the expected date of initial receipt of waste at the RWMS.*
- N. The Permittee shall maintain records and documentation of all information obtained and used to provide the certification by the CQA officer until completion of post-closure care
- O. *The Permittee shall obtain written acceptance by the Division of the CQA officer's certification prior to receiving the first volume of remediation waste at the RWMS.*
- P. *Prior to acceptance of the first volume of waste, the Permittee shall install and maintain a groundwater monitoring system as specified in the Application.*
- Q. The Permittee shall sample and analyze for constituents identified in the groundwater in accordance with the CAMU (Landfill) Monitoring Plan (Attachment N).
- R. The Permittee shall report the results of groundwater sampling and analysis in accordance with Attachment N.
- S. The Permittee shall establish and maintain financial assurance for the closure and post-closure of the CAMU as required by 40 CFR 264.143 and 40 CFR 264.145, and as may be demonstrated in Attachment R.
- T. The Permittee shall obtain and maintain liability coverage for sudden and non-sudden accidental occurrences as required by 40 CFR 264.147 and Attachment S.
- U. The Permittee shall not accept for disposal, or otherwise manage, any material that is not a remediation waste as defined in 40 CFR 260.10: *[Remediation waste means all solid and hazardous wastes, and all media (including ground water, surface water, soils, and sediments) and debris, that are managed for implementing cleanup.]*
- V. The Permittee shall accept only remediation waste which originates from the source areas described in Attachment B in accordance with the Waste Analysis Plan (Attachment C) unless otherwise approved by the Division.
- W. The Permittee shall comply with the requirements of 40 CFR 264.1G)(1) through 264.10)(13), inclusively, as outlined and described in the Application and its attachments. These requirements include, but are not limited to: personnel training; access restrictions; accident prevention; emergency response; operating procedures; inspection procedures; and waste characterization.

VI. Compliance Schedule

A. The Permittee shall perform the following task(s) by the listed due date(s):

Task		Date Due
1	<i>Reserved</i>	