

**NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
FACT SHEET**

(pursuant to NAC 445A.236)

Permittee: Basic Remediation Company (BRC)
875 West Warm Springs Road
Henderson, NV 89011

Permit: NEV2009506

Location: BRC Common Area – Eastside and Corrective Actions Management Unit (CAMU)

Component	Latitude	Longitude	Clark County MDB&M Township Range & Section
Wash-Down Area 1, East Side of Boulder Hwy	36° 03' 7.96" N	114° 59' 30.55" W	T 22S, R 63E, S 7
Wash-Down Area 2, West Side of Boulder Hwy	36° 02' 59.86" N	114° 59' 53.21" W	T 22S, R 62E, S 12

Well Head and Drinking Water Supply Protection: The BRC Common Area Wash-Down Areas 1 and 2 are not located within the 6000' Drinking Water Protection Areas (DWPAs) of any public water supply. The facility is not within any established Well Head Protection Zone.

General: BRC Common Area – Eastside and Corrective Actions Management Unit (CAMU) are located within and near the Black Mountain Industrial (BMI) Complex, Henderson Nevada. The BMI Complex, an area of intense industrial activity since the 1940's, has been heavily impacted by industrial activities, and is considered a State of Nevada Bureau of Corrective Actions (BCA) Area of Concern. The Area of Concern includes the former Pabco Ponds, unlined ponds that received industrial wastewater from the various industrial installations. Under the direction of BCA, Basic Remediation Company has undertaken the closure of the ponds, and the removal of highly contaminated underlying soils. The excavated soils are being removed to the 114 acre CAMU, which is located in the northwest area of the BCA Area of Concern.

As the removed materials are transported to the CAMU, the trucks must enter public thoroughfares. To minimize the public exposure to the potentially hazardous soils on the public roads, the truck wheels and undercarriages are washed to remove any adhering soils. Wash-Down Area 1 allows truck tire washing as the trucks leave the soil removal area and enter the Boulder Highway. The facility at Wash-Down Area 1 includes an automatic pre-wash spray system with an underground settling/fluid recovery tank, followed by pressure washing of the trucks over a concrete decontamination pad with water collected in an HDPE lined pond. Wash-Down Area 2 allows truck tire washing as the trucks leave the CAMU after dumping their loads. The facility at Wash-Down Area 2 consists of a 39-foot long steel-lined drive-through prewash basin (truck ramp), followed by a pressure washing station with water collection of the same design as Wash-Down Area 1.

Used rinse/wash water from Wash-Down Areas 1 and 2 that has become too dirty for continued use may be used for dust control purposes on soils within the excavation or CAMU area on soils

that have been identified by BCA as contaminated. Fluid from the two Wash Down area may not be applied to uncontaminated soils.

Wash-Down Areas 1 and 2 have been operated most recently under Temporary Permit TNEV2009454. Previously, the wash-down areas were operated under Temporary Permit TNEV2009436.

Flow: The design capacity of the two wash-down areas is 4000 gallons per day per station. During the period of operation under the above referenced temporary permits, the following flows were reported:

	Flow (MGD)		Dust Control Fluid (Gallons/day)	
	WDA 1	WDA 2	WDA 1	WDA 2
Nov-08	0.0014	0.0014	0	0
Dec-08	0.0015	0.0015	0	0
Jan-09	0.0022	0.0021	0	0
Feb-09	0.0017	0.0017	0	0
Mar-09	0.0022	0.0022	0	0
Avg	0.0018	0.00178	0	0
Max	0.0022	0.0022	0	0
Min	0.0014	0.0014	0	0

Receiving Water Characteristics: The groundwater below the site is highly impacted from historic industrial activity. All components associated with Wash-Down Areas 1 and 2 completely contain water with no discharge to groundwater. Fluid used for dust control purposes are applied in such a manner that the discharge will have no detrimental impact on groundwater quality.

Proposed Effluent Limitations and Special Conditions: Water usage and discharge from Wash-Down Areas 1 and 2 (Outfall 001) shall be limited and monitored according to the following permits limits and special conditions:

- Used wash water shall be collected in NDEP approved lined zero-discharge collection facilities, located adjacent to the truck wash pads located at Wash-down Area 1 and Wash-down Area 2.
- Used wash water may be transported and used for dust control purposes inside the CAMU or the Common Area, on soils that are known to be contaminated ONLY. Used wash water shall not be used for dust control purposes on uncontaminated soils.
- The integrity and condition of the fluid management systems shall be inspected and recorded weekly, in a bound logbook, and the record shall be signed and dated by the person responsible for the inspection.

Measurements and effluent samples taken in compliance with the monitoring requirements specified below shall be collected or monitored at:

- i. BRC Common Area, Eastside (estimate of water used for each truck wash area, truck count, water recycled from fluid holding systems for truck washing purposes);
 - 1. Area 1 Truck Preliminary Tire Wash and Final Decontamination Wash Pad Collection System; and
 - 2. Area 2 Preliminary Drive-Through Truck Wash Pool and Final Decontamination Wash Pad Collection System;
- ii. Common Area Eastside and CAMU (gallons transported and discharged for dust control);
- iii. Wash Water Collection Facilities (samples for laboratory analysis).

The Outfall 001 discharges shall be limited and monitored in accordance with the following specifications:

TABLE 1.A.1
Effluent Discharge Limitations, Outfall 001

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	30-day Average	Daily Maximum	Measurement Frequency	Sample Type
Fresh Water Flow				
Area 1 (MGD)	0.004	M & R	Daily	Estimate
Area 2 (MGD)	0.004	M & R		
Water Used for Dust Control				
Area 1 (Gallons)	M & R	M & R	Daily	Estimate
Area 2 (Gallons)	M & R	M & R		
Number of Trucks Washed				
Area 1 (N)	---	M & R	Daily	Count
Area 2 (N)				
Total Dissolved Solids				
Area 1 (mg/L)		M & R	Quarterly	Discrete
Area 2 (mg/L)		M & R		
Total Petroleum Hydrocarbons				
Area 1 (mg/L)		M & R	Quarterly	Discrete
Area 2 (mg/L)		M & R		
Oil and Grease				
Area 1 (mg/L)		M & R	Quarterly	Discrete
Area 2 (mg/L)		M & R		
pH				
Area 1 (St. Units)		4.0 ≤ pH ≤ 10.0	Quarterly	Discrete
Area 2 (St. Units)		4.0 ≤ pH ≤ 10.0		
Attachment A (Priority Pollutants and Other Constituents of Concern)				
Area 1 (µg/L)		M & R	Quarterly	Discrete
Area 2 (µg/L)		M & R		

Notes:

MGD: Million gallons per day.

mg/L: Milligrams per liter.

µg/L: Micrograms per liter.

gpd: Gallons per day.

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SU: Standard units.

M & R: Monitor and Report

Schedule of Compliance: The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance any additions or modifications that the Administrator may make in approving the schedule of compliance.

Rationale for Permit Requirements: Permit limits and requirements are established to ensure that the Wash-Down Areas 1 and 2 are operated within design criteria, and in such a way as to pose no threat to groundwater or surface waters.

Procedures for Public Comment: The Notice of the Division's intent to issue an Nevada Groundwater Discharge permit authorizing the facility to discharge treated groundwater, subject to the conditions contained within, is being sent to the **Las Vegas Review Journal** and the **Henderson Home News** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of thirty (30) days following the date of publication of the public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is **August 17, 2009 by 5:00 P.M.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator 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 the proposed permit to the facility for a period of five (5) years.

Prepared by: Janine Hartley, P.E.
May 2009