

# **QUARTERLY PROGRESS REPORT**

AS REQUIRED BY

**SETTLEMENT AGREEMENT AND  
ADMINISTRATIVE ORDER ON CONSENT  
(AOC3)**

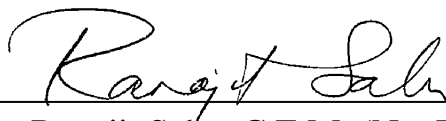
**SECTION XIII, PARAGRAPHS 1 and 2.**

SUBMITTED BY

**BASIC REMEDIATION COMPANY**

DATED APRIL 15, 2016

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.



April 15, 2016

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Dr. Ranajit Sahu, C.E.M. (No. EM-1699, Exp. 10/07/2017) Date  
BRC Project Manager

## **1. Introduction**

This Quarterly Progress Report is being submitted to the Nevada Division of Environmental Protection (NDEP) pursuant to the requirements of Paragraphs 1 and 2 of Section XIII of the AOC3 executed between the Parties and NDEP on February 15, 2006. The format of this report is based on the requirements stated in Paragraph 1 of Section XIII. This report covers activities between January 1 and March 31, 2016.

## **2. Actions Taken Towards Achieving Compliance**

Maintenance activities at the CAMU continued as needed, including leachate collection at the sumps. BRC is preparing a submittal to the NDEP requesting modification of the CAMU RAP. The modifications will address removal of language no longer applicable in the RAP since the construction of the CAMU is now complete. BRC will manage CAMU leachate via offsite disposal.

BRC completed the third annual groundwater monitoring at the CAMU pursuant to the NDEP-approved long-term CAMU groundwater monitoring work plan. Samples were collected, analyzed and validated. Brief comments were received on the report and are being addressed. Preparations are being made for the 2016 annual round of sampling.

In addition to the various documents submitted to the NDEP discussed below, BRC and NDEP held meetings and telephone calls in order to achieve progress on project activities. Telephone meetings were held between the BRC management, the BRC Project Manager and the NDEP Project Manager (occasionally along with representatives from the City of Henderson as well as consultants representing the prospective property buyer) roughly every two weeks. Minutes of these meetings are maintained separately.

Additionally, BRC: (a) held discussions with the NDEP regarding the data obtained from the two rounds of Eastside monitoring, upgradient values for arsenic, TDS, and perchlorate developed by arsenic, BRC's approach to establish upgradient values for the Eastside shallow groundwater and additional issues associated with the path forward for groundwater for the Eastside; and (b) continued to develop the Eastside CSM.

Results of previous confirmation sampling were received and analyzed and appropriate data validation activities also occurred.

## **3. Sampling Conducted**

None.

## **4. Work Plans and Other Deliverables Submitted Including Modifications**

Attachment A shows a list of all documents that were submitted to NDEP in this period. Attachment B shows a list of all NDEP documents received during this period.

## **5. Actions Scheduled for Next Quarter**

Activities planned include: (a) 2016 annual groundwater monitoring at the CAMU; (b) disposal of CAMU leachate, as needed; (c) continuing policy and technical discussions with the NDEP regarding various groundwater issues for the Eastside including definition of upgradient values for various contaminants appropriate for the Eastside; (d) begin refreshing the CSM for shallow Eastside groundwater; (e) finalize the path forward dealing with CAMU groundwater issues; and (f) submit the modification to the RAP.

The following Work Plans and Other Deliverables are planned to be submitted to the NDEP in the next period:

- (i) Revised Project Schedule (updated as needed).
- (ii) Various Data Validation Summary Reports, as needed.
- (iii) Various documents discussed above.

Additional documents may also be submitted depending on project needs.

## **6. Completions, Delays and Mitigations**

BRC and the NDEP continue to have discussions in order to properly sequence efforts for groundwater.

## **7. Planned Modifications to Remedial Actions**

None planned.

## **8. Community Relations Plan Actions Taken**

None.

## **9. Community Relations Plan Actions for Next Quarter**

The project website is updated periodically, as needed, to include documents submitted to the NDEP.

## Appendix A - Documents Submitted To NDEP

TO	FROM	DATE	SUBJECT
James (JD) Dotchin	ERM on behalf of BRC	2/15/2016	2014/2015 Eastside Groundwater Monitoring Report, BMI Common Areas Eastside Site
Michael Friend	ERM on behalf of BRC	3/11/2016	2015 CAMU Long-Term Groundwater Monitoring Report, BRC Corrective Action Management Unit (CAMU) Area
Valerie Kauffman	Lee Farris	3/23/2016	RTC to NDEP Re: Biennial Hazardous Waste at the BRC CAMU

## Appendix B - CORRESPONDENCE FROM NDEP

TO	FROM	DATE	SUBJECT
Mark Paris	Michael P. Friend	1/14/2016	DVSR December 2014/January 2015 and May/June 2015 Eastside Groundwater Monitoring Events (Dataset 75)
Mark Paris	Michael P. Friend	1/15/2016	DVSR 2015 CAMU Annual Long-Term Groundwater Monitoring Event - April/May 2015 (Dataset 74c)
Mark Paris	James (JD) Dotchin	1/21/2016	BMI Plant Sites, Common Areas Projects and Other Industrial Sites: Draft Up-Gradient Groundwater Quality Technical Memorandum for TDS, Arsenic and Perchlorate
Mark Paris	Michael P. Friend	1/28/2016	NDEP Comments on the 2014 CAMU Monitoring Report, BRC Corrective Action Management Unit (CAMU) Area
Mark Paris	Michael P. Friend	2/4/2016	NDEP Response to: BRC Quarterly Progress Report dated January 25, 2016



### **BMI Common Areas Factsheet 2015**

Basic Remediation Company (BRC), working under the oversight of the Nevada Division of Environmental Protection (NDEP), has completed soil remediation activities at the BMI Common Areas (hereafter “site”) as shown in the accompanying figure. As portions of the soils at the site have been gradually remediated, redevelopment activities have also commenced. Ultimately, the entire 2,200-acre site will be redeveloped as a mixed-use, master-planned community.

Beginning in 1991 and continuing for several years, Phase I and Phase II environmental investigations at the site were performed voluntarily under NDEP oversight. These investigations led to the NDEP’s Record of Decision in 2001, which ordered that impacted soils at the site be excavated and interred in a private landfill off-site. Impacted soils posing unacceptable health risks would not be left in place. Implementation of the remedy began in 2008 and impacted soils from the site have been removed and placed in an engineered landfill or Corrective Action Management Unit (CAMU), located on property owned by BRC approximately 2.5 miles from the remediation site.

Removal of impacted soils from the site has been followed by iterative confirmation sampling for a suite of contaminants and a comprehensive health risk assessment – in order to ensure the site does not pose unacceptable health risks above background levels. Once the health risk assessment for a specific portion of the site (a sub-area) is approved by the NDEP, the NDEP then issues a No Further Action Determination (NFAD) for that sub-area. The accompanying figure shows the various sub-areas at the site, including those that have already been granted NFADs by the NDEP. It is anticipated that NFADs for all of the sub-areas will be obtained before Fall 2015.

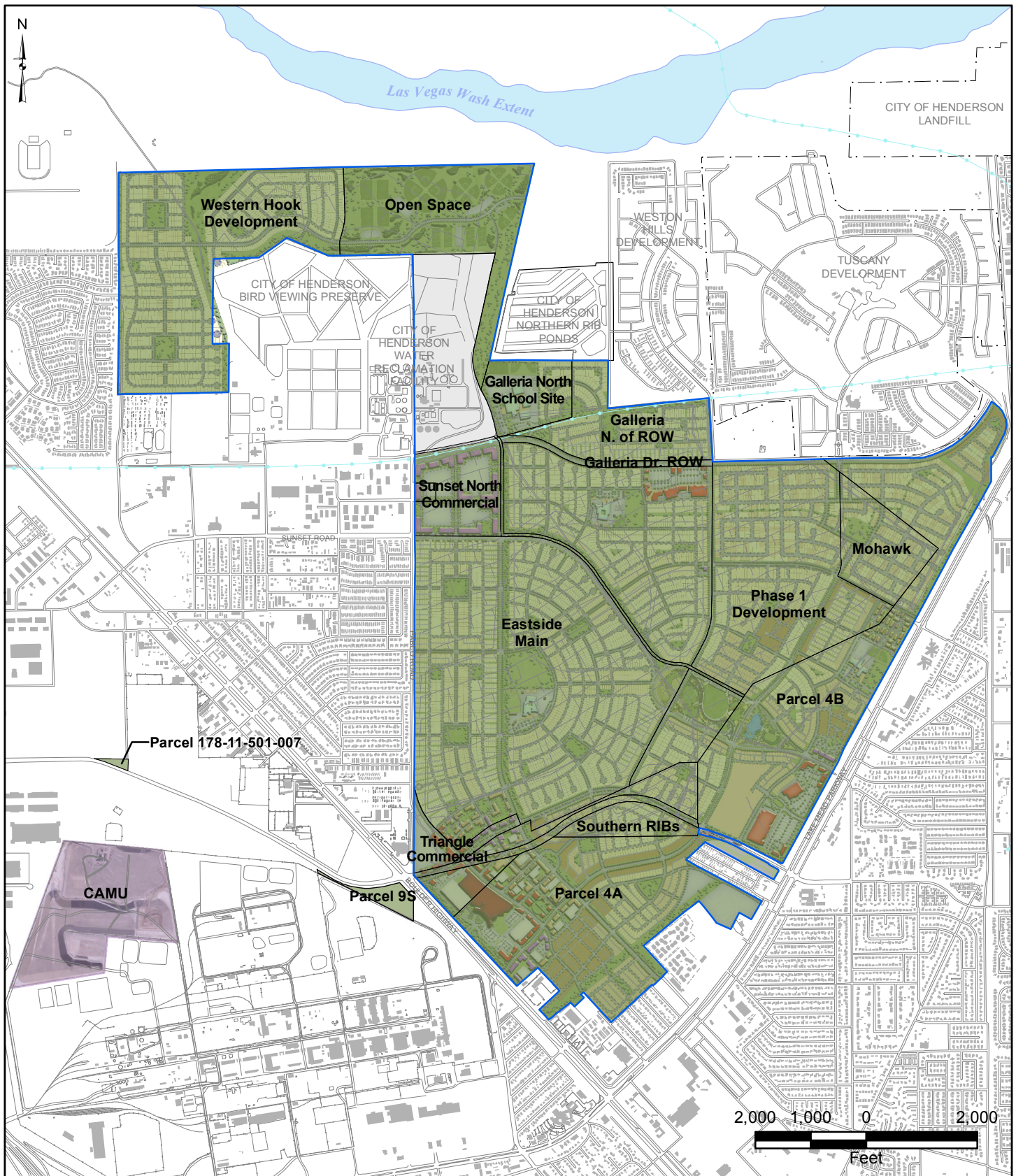
Groundwater underlying the site has also been thoroughly characterized in order to ensure that any impacted groundwater will not pose unacceptable risks to future development uses at the site. Additional groundwater investigations continue in order to determine if remediation is required for groundwater itself (i.e., not driven by impacts to surface soils). Regardless of this investigation, groundwater at the site will not be used for drinking or for agricultural uses.

Details of the remediation and restoration activities as well as the planned redevelopment project and other information, including maps, reports, photographs, plans, applications and associated documentation, can be found at the following website:  
[www.landwellco.com](http://www.landwellco.com)

For further information, please contact:

Mr. Lee Farris or Dr. Ranajit (Ron) Sahu  
Basic Remediation Company  
875 West Warm Springs Road, Henderson, Nevada 89015  
(702) 567-0400 (Mr. Farris) or (702) 683-5466 (Dr. Sahu)





Site AOC3 Boundary

Laterals

CoH WRF\*

Status

NFA Obtained

BMI Common Areas (Eastside)  
Clark County, Nevada

FIGURE

BMI COMMON AREAS  
SUB-AREAS STATUS WITH  
DEVELOPMENT PLAN



Prepared by  
MKJ (ERM)



Date  
10/07/15

JOB No. 0064276  
FILE: GIS/BC/GENERAL/SUB-AREAS.MXD

\*Not part of the Closure Plan for soils.