

Rio Algom Mining LLC

January 20, 2019

ATTN: Mr. James Webb

Mail Drop T5-A10

Division of Decommissioning, Uranium Recovery, & Waste Programs

Office of Nuclear Material Safety and Safeguards

U.S. Nuclear Regulatory Commission

11545 Rockville Pike

Rockville, MD 20852-2738

Re: Requested Supplemental Information

Dear Mr. Webb:

During our teleconference on January 16, 2019, you requested four items from Rio Algom Mining LLC (RAML). These items are addressed below and/or provided electronically as a data package.

1. Clarification of the nomenclature around environmental monitoring locations KGL North, KGL South, and Section 4 Nos. 1-3.

A map depicting particulate, direct gamma, and sediment sampling locations is provided as Figure 1.

Monitoring locations KGL North and KGL South were added during the fourth quarter of 2005 as part of an expansion of RAML's environmental monitoring program during the section 4 ponds reclamation project. These stations monitored air particulates (high-volume continuous air monitoring), direct gamma (environmental dosimeters), and radon-222 (track etch detectors).

In the first quarter of 2008, the two existing section 4 pond direct gamma monitoring locations were renamed Section 4 - #1 (previously KGL North) and Section 4 - #2 (previously KGL South). Additionally, a third monitoring location Section 4 - #3 was added. Radon and particulate monitoring locations continued to be reported as KGL North and KGL South. All three direct gamma monitoring locations are displayed in Figure 1.

2. Clarification of the background and nearest resident environmental monitoring locations.

Historically, the Substation environmental monitoring location has been used to represent background, while the Section 17 VH4 monitoring location has been used to represent the nearest resident. These assumptions are stated in RAML's annual ALARA report.

3. A map of historical sediment sampling locations.

A map depicting particulate, direct gamma, and sediment sampling locations is provided as Figure 1.

4. **Copies of RAML's ALARA reports from 2005, 2009, 2012, 2013, 2014, 2015, 2016, and 2017.**
Annual ALARA reports are required by section 3.3 of the RAML's *Radiation Protection and Environmental Program Manual* (RPEM), which in turn is a requirement of SUA-1473 License Condition (LC) 10. However, neither LC10 nor the RPEM require that the ALARA report be submitted to the NRC. As a courtesy, ALARA reports as described in Table 1 have been provided as an electronic data package.

As agreed during NRC's September 2018 audit of RAML, courtesy copies of future ALARA reports will also be submitted to NRC.

Please contact me at (916) 947-7637 or Sandra.ross@bhpbilliton.com if you have any questions or require additional information.

Sincerely,



Sandra L. Ross
Site Manager
Rio Algom Mining LLC

Rio Algom Mining LLC - Environmental Sampling Locations (Former & Current)

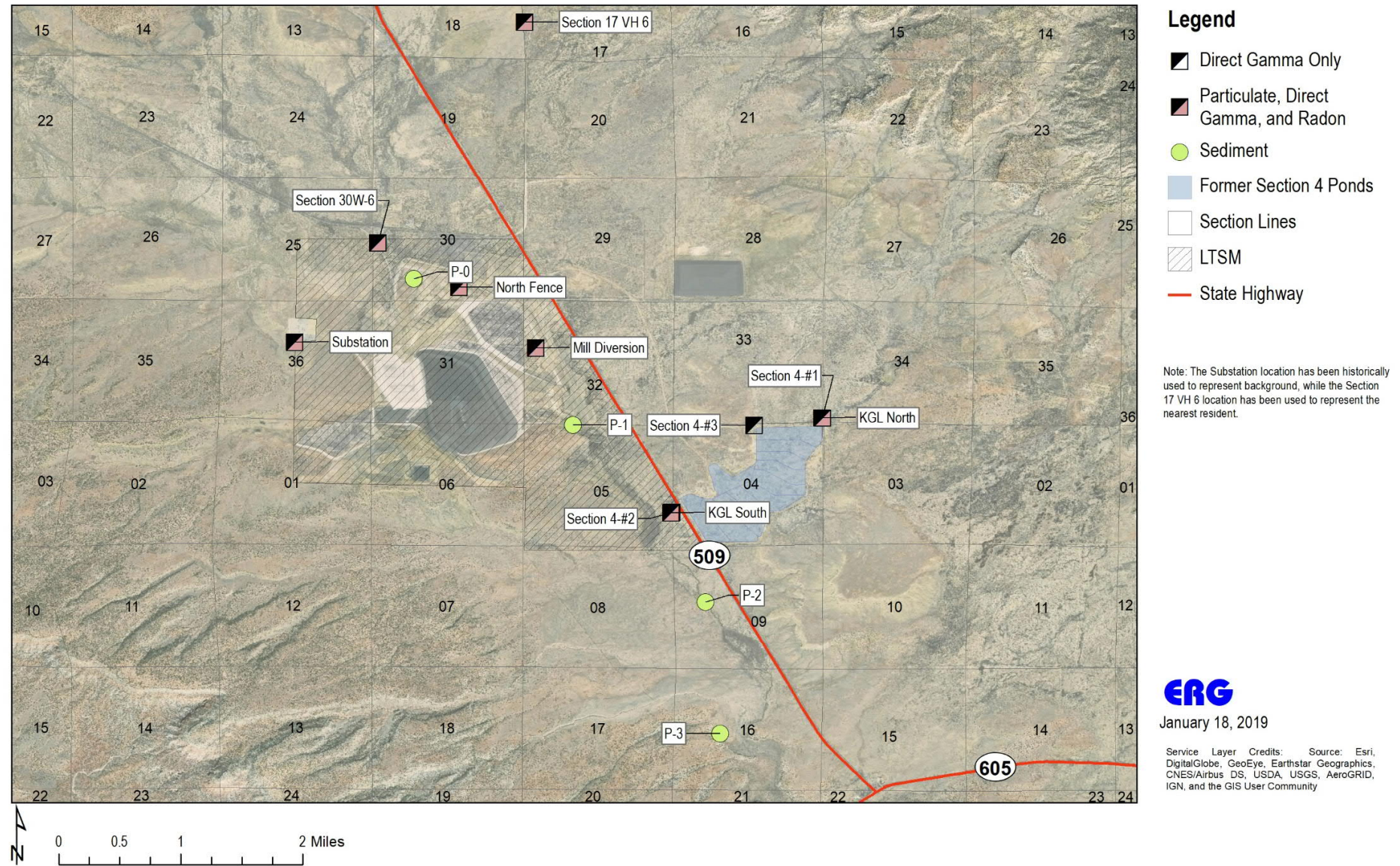


Figure 1. Map of high-volume, sediment, and direct gamma sampling locations at RAML's Ambrosia Lake Valley facility.

Table 1. ALARA reports provided as an electronic data package.

| Reporting Year | Report Date | File Name |
|-----------------------|--------------------|------------------------------|
| 2004 | March 7, 2005 | 2004 Annual ALARA Report.pdf |
| 2005 | February 13, 2006 | 2005 Annual ALARA Report.pdf |
| 2006 | February 16, 2007 | 2006 Annual ALARA Report.pdf |
| 2007 | March 4, 2008 | 2007 Annual ALARA Report.pdf |
| 2008 | March 17, 2009 | 2008 Annual ALARA Report.pdf |
| 2009 | March 12, 2010 | 2009 Annual ALARA Report.pdf |
| 2010 | February 28, 2011 | 2010 Annual ALARA Report.pdf |
| 2011 | March 19, 2012 | 2011 Annual ALARA Report.pdf |
| 2012 | March 2014 | 2012 Annual ALARA Report.pdf |
| 2013 | March 2014 | 2013 Annual ALARA Report.pdf |
| 2014 | February 2015 | 2014 Annual ALARA Report.pdf |
| 2015 | April 2016 | 2015 Annual ALARA Report.pdf |
| 2016 | July 2017 | 2016 Annual ALARA Report.pdf |
| 2017 | June 2018 | 2017 Annual ALARA Report.pdf |