



October 23, 2015

U.S. Nuclear Regulatory Commission
Nuclear Material Safety and Safeguards
Division of Decommissioning, Uranium Recovery, and Waste Programs
Uranium Recovery Licensing Branch
Attention: Mr. John Saxton, Project Manager
Two White Flint North, Mail Stop T8 F5
11545 Rockville Pike
Rockville, MD 20852

Re: Strata Energy, Inc. Ross In Situ Recovery Project
Source Materials License SUA-1601, Docket No. 040-09091
Additional Response to License Condition 10.13 Critical Verification Issue for
Mine Unit 1 Wellfield Data Package

Dear Mr. Saxton:

On September 8, 2015, NRC staff issued a letter identifying the following critical issue for verification of the Ross Mine Unit 1 (MU1) Wellfield Data Package under License Condition 10.13:

Critical Verification Issue #2 –

“License Condition 10.13 states: ‘The wellfield package will adequately define heterogeneities that may affect the chemical signature and ground-water flow paths within the ore zone as described in Sections 2.7.3.2.3, 3.1.1 and 5.7.8.1 of the approved license application.’ ... Strata has not addressed the issue of whether or not the perimeter wells along the southern boundary of the wellfield are in contact with the overlying aquifer. If correct, then Strata did not adequately define whether or not the wells’ ability to detect an excursion is diminished, whether or not the wells should be converted to partially penetrating wells, or whether or not an adequate thickness of the overlying confining unit exists in this area. Therefore, staff cannot verify that Strata met this license condition.”

By letter dated October 9, 2015, Strata Energy, Inc. (Strata) submitted the results of an additional aquifer test performed in the area and further evaluation. On October 20, 2015, Strata participated in a public meeting held by NRC to in part discuss Staff’s review of the October 9 submittal. As a result of this discussion, Strata agreed to install two additional perimeter monitor (PM) wells as “twins” to PM-12 and PM-19. These wells (with the preliminary identifiers of PM-12A and PM-19A) will be installed as close as



possible to the existing PM wells as shown on the enclosed figure. PM-12A is located approximately 50 feet from PM-12 due to trunk lines crossing the area and rough topography. It will be within 400 feet of the nearest mining well. PM-19A will be located very near PM-19.

The wells will be completed in the ore zone below the W Shale. Completion zones for these two wells will be approximately:

PM12A: 315 ft. to 420 ft.

PM19A: 370 ft. to 490 ft.

The wells will be completed in the ore zone below the W Shale. Once the wells are installed, mechanical integrity tested, and developed, they will be sampled for the parameters listed in Table 5.7-2 of the approved license application, as revised by the May 27, 2015 submittal (ML15149A023). The results for excursion parameters will be compared with the baseline results for PM-12, PM-19 and the remaining PM wells and, from this comparison, appropriate Upper Control Limits (UCLs) will be determined.

Please contact me if you have any questions. You can reach me at (307) 467-5995 or mgriffin@stratawyo.com.

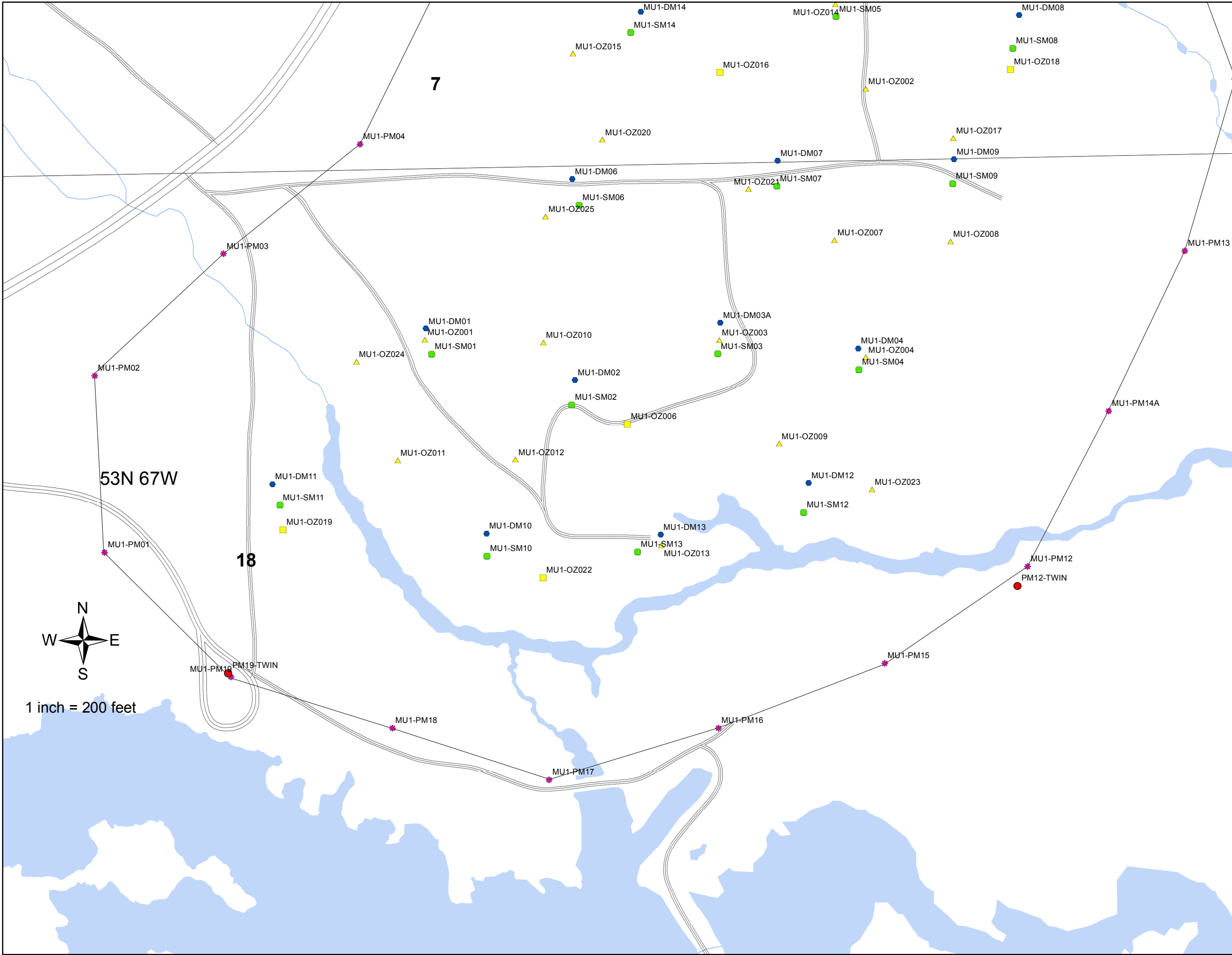
Sincerely,

Strata Energy, Inc.

Michael Griffin
Vice President of Permitting, Regulatory and Environmental Compliance

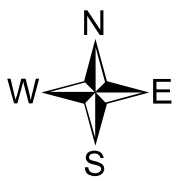
Enclosure: PM12A and PM19A Location Map

Cc: Mr. John Saxton, NRC Project Manager – **via email**
Mr. Dave Schellinger, WDEQ-LQD Sheridan Wyoming



Legend

- TwinWellsLocations
- MU1_Monitor_Wells**
- Well Type, Mining Well**
- ✱ Perimeter Monitor
- ◆ Deep Monitor
- Shallow Monitor
- OZ Baseline, Producer
- ▲ OZ Baseline, Injector



1 inch = 200 feet