U.S. Department of Energy
200 Grand Avenue
Grand Junction, CO 81501

January 7, 2015

Ms. Kimberly Conway
FSME Division of Waste Management and Environmental Protection
U.S. Nuclear Regulatory Commission
Mail Stop T8F5
Washington, DC 20555-0001

Subject: Well and Standpipe Monitoring at the Crescent Junction Disposal Site, Moab Uranium Mill Tailings Remedial Action (UMTRA) Project

Dear Ms. Conway:

This letter is to inform you of the results of ongoing monitoring of four wells beyond the toe of the disposal cell and the first of four standpipes that will be installed in the compacted tailings at the Crescent Junction disposal site in Utah. A site map showing the monitoring locations is enclosed.

Two events were completed during the fourth quarter of 2014. The first monitoring event was completed in response to heavy precipitation the area received in late September. On September 30, personnel were able to access the standpipe and only two of the four monitoring wells due to road conditions. The remaining two wells were check on October 2. The second event of this quarter included monitoring the standpipe and all four wells on December 10.

The four monitoring wells (locations 0202, 0203, 0205, and 0210) were originally installed in 2006 as part of the site characterization. These wells were reconstructed in June 2011 as prescribed in the Remedial Action Plan, Revision 2, to provide data regarding the possible leaching of tailings fluids into the subsurface around the cell. No water has been present in these wells since monitoring was initiated in October 2011, including the most recent monitoring visits during the fourth quarter of 2014.

The project installed the first standpipe in the disposal cell to monitor for potential tailings fluids in June 2011. Similar to the monitoring completed for the wells, no water has been present in this standpipe since monitoring was initiated in October 2011, including the most recent monitoring visits during the fourth quarter 2014. No additional tailings have been added around the standpipe.

If you have any questions or concerns, do not hesitate to contact me at (970) 257-2115.

Sincerely,

Donald R. Metzler
Federal Project Director

FSME20

cc w/enclosure via email:
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L. Shenton, Grand County
R. Holland, DOE
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Project File CRJ 2.12 (C. Smith)

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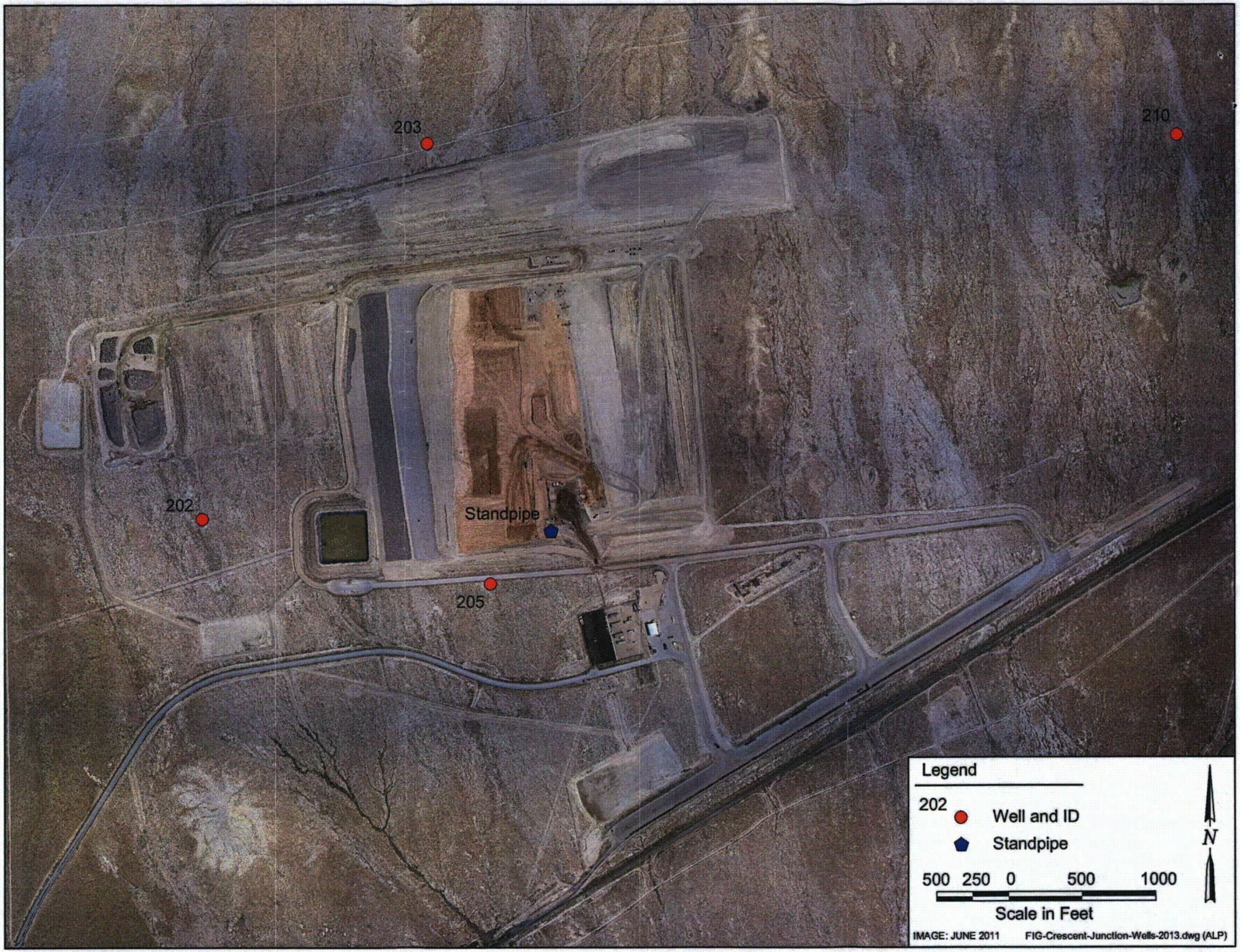
203
210
202
Standpipe
205
Legend
202
Well and ID
Standpipe
500 250 0 500 1000
Scale in Feet
N
IMAGE: JUNE 2011
FIG-Crescent-Junction-Wells-2013.dwg (ALP)