WM-110

U.S. Department of Energy
200 Grand Avenue
Grand Junction, CO 81501
December 17, 2013

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 map of the site showing the monitoring locations is enclosed.

One event was completed during the fourth quarter of 2013, on December 13, to determine if water has collected inside any of the monitoring locations or the standpipe.

The four monitoring wells (locations 0202, 0203, 0205, and 0210) that were originally constructed in 2006 as part of site characterization were reconstructed 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 in June 2011. No water has been present in these wells since monitoring was initiated in October 2011, including the most recent monitoring visit in December 2013.

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 four wells, no water has been present in this standpipe since monitoring was initiated in October 2011, including the most recent monitoring visit in December 2013. 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

ISME20

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

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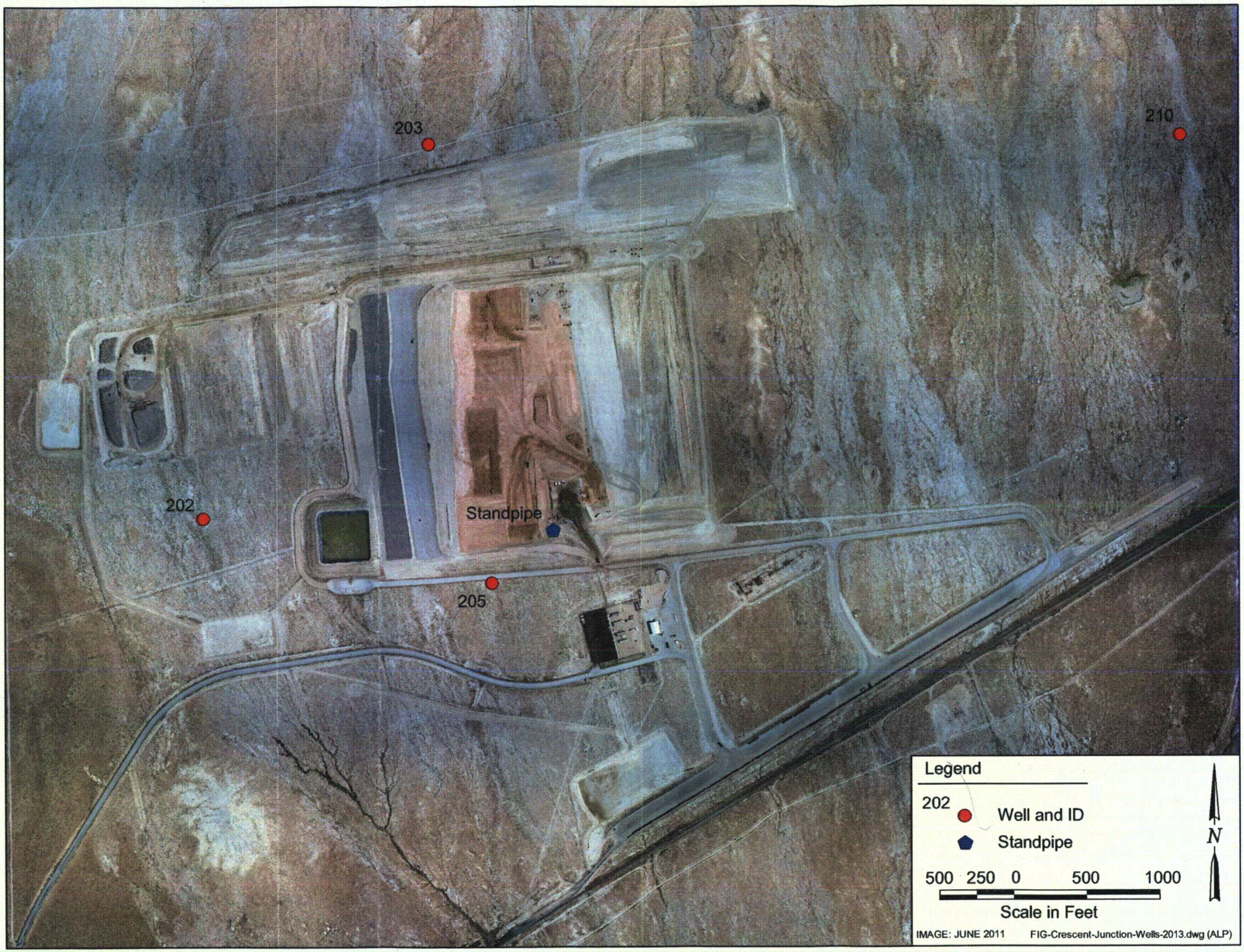
203
210
202
Standpipe
205
Legend
202
Well and ID
Standpipe
500 250 0 500 1000
Scale in Feet
N
IMAGE: JUNE 2011
FIG-Crescent-Junction-Wells-2013.dwg (ALP)