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Subject: Uranium One updated of 9.10.14 notice of drum incident at Honeywell Metropolis Conversion Facility
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Attachments: [Updated NRC notice from U1 Update Final 9.12.14 1145AM.docx](#)

Please find attached an update to the September 10, 2014 notice to NRC on the drum Incident at the Honeywell Metropolis Conversion Facility involving a drum from the Willow Creek facility. If you have any questions please contact me at 307-233-6331 or Donna Wichers at 307-233-6333.

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“Initial Report of Incident at Honeywell Metropolis Conversion Facility involving Uranium Concentrate Shipped from Uranium One USA Inc.’s Willow Creek Facility”

Uranium One USA Inc. (“Uranium One”) is submitting an update to the September 10, 2014 initial notice to provide NRC with additional information on the incident at the Honeywell facility following a site visit by Uranium One and a meeting with representatives of Honeywell yesterday.

Uranium One informed NRC that on September 9, 2014 at approximately 5:00PM Mountain Standard Time, we were informed verbally by representatives of the Honeywell Metropolis conversion facility (“Honeywell”) of an incident involving a drum (i.e., Drum #43 in Lot 51) supplied and shipped from our Willow Creek facility. As explained to Uranium One by Honeywell, when the drum lid was being removed at the Honeywell facility weighing and sampling plant, as the drum lid bolts were being removed, the lid lifted off of the drum releasing pressure from within the drum, resulting in some uranium ore escaping the drum.

Two Honeywell employees were in the area at the time of the incident with one employee removing the lid of the subject drum, and the other nearby. Honeywell has informed Uranium One that their employees were not visibly injured in the incident. Honeywell also informed Uranium One that bioassays were taken of their two employees. The bioassay sample results for both operators involved in the incident have been determined to be below all administrative levels. The highest bioassay result was a uranium concentration of 3.1 ppb which is below the 8 ppb repeat level and the 25 ppb investigation level. This is consistent with the bioassay results taken from the operators that typically perform these routine tasks. The doses for the two operators were calculated at 2.6 mrem and 3.9 mrem for the incident.

As we informed you on September 9, 2014, Uranium One immediately began an internal review and investigation into the potential cause(s) of the incident. In the past 48 hours, we have reviewed the records from our Willow Creek facility related to the drying conditions (% moisture content), drumming times, drum venting times, and the shipping records for Lot 51 that includes the final check of all drums for any signs or the presence of over pressurization prior to loading and transport to the Honeywell facility by an independent trucking company RSB. In addition, our records show that Drum #43 was dried on April 18, 2014 and Lot 51 was shipped to Honeywell on June 23, 2014.

The review of processing and shipment records to date shows no indication of pressurization or risk of pressurization in any of the drums in Lot 51 at the time this consignment was shipped from our Willow Creek Site. Furthermore, Drum #43 from Lot 51 was filled in 5 hours, 25 minutes (Site procedure requires all drums to be filled in no less than 4 hours, 30 minutes), the drum was also allowed to vent with the lid unsecured for 28 hours, 15 minutes (procedure requires all drums to vent for at least 24 hours), the percent moisture for this drum was low (1.1%) plus the required pre-shipment checks for pressurization prior to loading and shipping was completed with no indication or signs of drum pressurization in Drum #43 or any of the drums in Lot 51 at the time of shipment. Therefore, all the required procedures and safeguards established and agreed with NRC to allow the safe packaging of yellowcake drums shipped from the Willow Creek facility were followed and that there were no signs of pressurization indicated prior or at the time of shipment.

Honeywell has examined and drilled the remaining drums in Lot 51 to release any potential pressure build-up (if any); removed the lids of these drums; sampled the drums; re-lidded and stored the drums for further processing.

As noted above, Uranium One has initiated an internal review and investigation of the incident and will work closely with the personnel at Honeywell including the NRC staff to further review and assess the incident and evaluate the potential cause(s) of the incident, from the point it was shipped from the Willow Creek facility to the time it was opened at the Honeywell facility. Uranium One will also cooperate and devote the necessary resources, including outside experts (as necessary), in performing this investigation and working out a resolution with Honeywell, as appropriate. Input and comments from experienced NRC personnel in this particular issue are invited for completion of this investigation.

We will keep you abreast of the development on this matter.

Cc Al Stratemeyer - Honeywell