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Lawrence J. Corte
President & General Manager

June 19, 2015

Dominick A. Orlando
U.S. Nuclear Regulatory Commission
Materials Decommissioning Branch
Division of Decommissioning, Uranium Recovery,
and Waste Programs
Office of Nuclear Material Safety
and Safeguards
Mailstop T-8 F-5
Washington, DC 20888-0001

Dear Mr. Orlando:

On January 22, 2015 you provided a letter in which you had two comments. During our meeting on June 10, 2015, you indicated that we had responded to the first comment but a response to the following comment was necessary:

NRC Comment# 2:

Results for nitrates in the first and second half 2014 reports appear to have been calculated differently from in the past (see Table 1-A, footnote 2). A review of the docket for radioactive materials license SUA-56 does not appear to include either a request for this change by WNI, nor the approval of the request by the NRC staff.

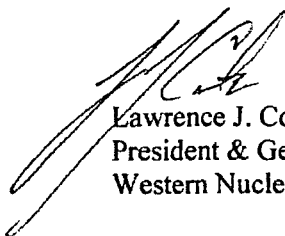
Response:

The results for nitrates in the first and second half 2014 reports were not calculated any differently than they were in the past. The Table 1-A footnote and nitrate ACLs for WN-5 and WN-21 are incorrect in the 2014 first half report, and the nitrate ACLs were missing from the second half report. These corrections were made and attached are the revised Table 1-A for both the 2014 First Half and Second Half Reports.

We trust that this information addresses your comment.

Please let me know if you need any further information.

Sincerely,



Lawrence J. Corte
President & General Manager
Western Nuclear, Inc.

cc: File
Christopher Pugsley (Thompson and Pugsley)
Harley W. Shaver
Lou Miller (Worthington Miller Environmental, LLC)

NIMSS20

Table 1-A. WNI Split Rock Mill - Point of Compliance Well Water Quality
1st Half 2014 Sampled 5/1/2014

| Well | pH-Field (std units) | Cond -Field (µS/cm) | Temp - Field (C) | Water Elevation (ft) | Aluminum (mg/L) | Ammonia, free as N (mg/L) ⁽¹⁾ | Antimony (mg/L) | Arsenic (mg/L) | Beryllium (mg/L) | Cadmium (mg/L) | Chloride (mg/L) | Fluoride (mg/L) | Lead (mg/L) |
|-----------------------------------|-------------------------|------------------------|---------------------|----------------------------|--------------------|--|--------------------|-------------------|---------------------|-------------------|--------------------|--------------------|----------------|
| Protection Std/ACL (WN-5) | | | | | 37 | 0.50 | 0.006 | 0.05 | 0.01 | 0.01 | | 4 | 0.05 |
| WN-5 | 7.09 | 3610 | 10.8 | 6281.2 | <0.1 | <0.00031 | <0.003 | <0.01 | <0.004 | <0.001 | 100 | <0.1 | <0.005 |
| Protection Std/ACL (WN-21) | | | | | 37 | 0.69 | 0.006 | 0.05 | 0.01 | 0.01 | | 4 | 0.05 |
| WN-21 | 7.95 | 552 | 12 | 6294.8 | <0.1 | 0.0616 | <0.003 | <0.01 | <0.004 | <0.001 | 12 | 0.2 | <0.005 |

| Well | Manganese (mg/L) | Molybdenum (mg/L) | Nickel (mg/L) | Nitrate + Nitrite as N (mg/L) | pH Lab (std units) | Radium- 226 (pCi/L) | Radium- 228 (pCi/L) | Selenium (mg/L) | Sulfate (mg/L) | TDS (mg/L) | Thallium (mg/L) | Thorium- 230 (pCi/L) | Uranium (mg/L) |
|-----------------------------------|---------------------|----------------------|------------------|-------------------------------------|-----------------------|---------------------------|---------------------------|--------------------|-------------------|---------------|--------------------|----------------------------|-------------------|
| Protection Std/ACL (WN-5) | 225 | 0.66 | 0.05 | 317 | | 7.2 | | 0.05 | | | 0.002 | 0.95 | 4.8 |
| WN-5 | 0.43 | <0.1 | <0.05 | 55 | 6.89 | 0.2 | <1.5 | 0.018 | 1660 | 3660 | <0.001 | <0.1 | 1.6 |
| Protection Std/ACL (WN-21) | 35 | 0.22 | 0.05 | 70.7 | | 19.9 | | 0.05 | | | 0.002 | 0.95 | 3.4 |
| WN-21 | 0.2 | <0.1 | <0.05 | 3.3 | 7.65 | <0.16 | <1.6 | <0.005 | 81 | 378 | <0.001 | <0.1 | 0.059 |

(1) Free ammonia concentration calculated from the laboratory reported total ammonia concentration and field measured pH, consistent with the method used to determine the ACL for ammonia. For comparison, the ammonia ACL is expressed as NH₃ -N, converted from NH₃ values stated in licence conditions 74B and 74C.

Table 1-A. WNI Split Rock Mill Point of Compliance Well Water Quality
2nd Half 2014 - Sampled 10/2/2014

| Well | pH-Field (std units) | Cond -Field (µS/cm) | Temp - Field (C) | Water Elevation (ft) | Aluminum (mg/L) | Ammonia, free as N (mg/L) ⁽¹⁾ | Antimony (mg/L) | Arsenic (mg/L) | Beryllium (mg/L) | Cadmium (mg/L) | Chloride (mg/L) | Fluoride (mg/L) | Lead (mg/L) |
|-----------------------------------|-------------------------|------------------------|---------------------|----------------------------|--------------------|--|--------------------|-------------------|---------------------|-------------------|--------------------|--------------------|----------------|
| Protection Std/ACL (WN-5) | | | | | 37 | 0.50 | 0.006 | 0.05 | 0.01 | 0.01 | | 4 | 0.05 |
| WN-5 | 7.07 | 3590 | 11 | 6280.4 | <0.1 | <0.00029 | <0.003 | <0.01 | <0.004 | <0.001 | 109 | 0.1 | <0.005 |
| Protection Std/ACL (WN-21) | | | | | 37 | 0.69 | 0.006 | 0.05 | 0.01 | 0.01 | | 4 | 0.05 |
| WN-21 | 8.02 | 526 | 12.1 | 6294.75 | <0.1 | 0.0613 | <0.003 | <0.01 | <0.004 | <0.001 | 12 | 0.2 | <0.005 |

| Well | Manganese (mg/L) | Molybdenum (mg/L) | Nickel (mg/L) | Nitrate + Nitrite as N (mg/L) | Radium- 226 (pCi/L) | Radium- 228 (pCi/L) | Selenium (mg/L) | Sulfate (mg/L) | TDS (mg/L) | Thallium (mg/L) | Thorium- 230 (pCi/L) | Uranium (mg/L) |
|-----------------------------------|---------------------|----------------------|------------------|-------------------------------------|---------------------------|---------------------------|--------------------|-------------------|---------------|--------------------|----------------------------|-------------------|
| Protection Std/ACL (WN-5) | 225 | 0.66 | 0.05 | 317 | 7.2 | | 0.05 | | | 0.002 | 0.95 | 4.8 |
| WN-5 | 0.48 | <0.1 | <0.05 | 54 | 0.21 | 1.4 | 0.015 | 1720 | 3670 | <0.001 | <0.2 | 1.67 |
| Protection Std/ACL (WN-21) | 35 | 0.22 | 0.05 | 70.7 | 19.9 | | 0.05 | | | 0.002 | 0.95 | 3.4 |
| WN-21 | 0.19 | <0.1 | <0.05 | 2.4 | 0.49 | <1.1 | <0.005 | 77 | 373 | <0.001 | <0.2 | 0.061 |

(1) Free ammonia concentration calculated from the laboratory reported total ammonia concentration and field measured pH, consistent with the method used to determine the ACL for ammonia. The ammonia ACL is expressed as NH₃ as N, which was converted from NH₃ value stated in licence conditions 74B and 74C.