

## **Explanation and Notes for Appendix A Analytical Data Summary**

### **The data provided for Remediation Zone D includes:**

- **Phase A and Phase B data from the 2006 and 2008-2009 sampling events**  
The Phase A and Phase B data have been validated, a Data Validation Summary Report (DVSR) has been submitted and approved by Nevada Division Environmental Protection (NDEP), and the data is complete as presented.
- **Analytical data from the pre-confirmation sampling program**  
Data received from the laboratories for the pre-confirmation sampling program are not validated and are not fully complete; approximately 25% of the analyses have not yet been completed (consisting of asbestos analyses, step-out sampling, and additional sampling requested by NDEP).

### **Notes on the data:**

1. The data contains only normal environmental field samples and field duplicates.
2. This is a database snapshot as of August 18, 2010. As noted, the pre-confirmation sampling program information is incomplete but will be included in the final data set. The final data will be made available with each successive phase DVSR that is provided. Use this data at your own risk recognizing that some changes will occur due to additional validated data being included and quality assurance/quality control (QA/QC) activities associated with the DVSR production.
3. The data may or may not be validated as noted above. This version of the data report includes validator codes but not the validation flag.
4. Not all of the validated data has been included in the database as Northgate had not yet received all of the final validation data for the Pre Confirmation Sampling Event.
5. A portion of the database provided (Phase A) is a legacy database that was initially constructed prior to 2006. Therefore, the database does not internally or uniformly meet the nomenclature or the format requirements set forth in the NDEP Electronic Data Deliverable (EDD) format. Post processing of the database is performed to generate the DVSR EDDs.
6. Detection limits are not accurately described by the field names in the data report provided. This is a remnant of the legacy database structure being corrected. Within the data report provided, the value in “method\_detection\_limit” is the NDEP defined sample quantitation limit and the values in the reporting detection limit and the quantitation limit fields are the NDEP defined practical quantitation limit. Method detection limits (Quality Assurance Project Plan defined) are post processed into the data and are not in this report.



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The validation codes that are listed in the dataset are included below for reference.

Validation Qualifier	Definition
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, and the result may be biased high.
J-	The result is an estimated quantity, and the result may be biased low.
UJ	The analyte was not detected above the sample reporting limit, and the reporting limit is approximate.
U	The analyte was analyzed for, but was not detected above the sample reporting limit.
R	The result is rejected and unusable due to serious data deficiencies. The presence or absence of the analyte cannot be verified.
B	The result may be a false positive totally attributable to blank contamination. This qualifier is applied only to radiochemical results.
JB	The result may be biased high and partially attributable to blank contamination. This qualifier is applied only to radiochemical results.
JK	The result is an estimated maximum possible concentration.
X	The analytical result is not used for reporting because a more accurate and precise result is reported in its place.
J-TDS	The analytical result is estimated based on failure of the Total Dissolved Solids (TDS) correctness check performed in accordance with the Standard Method 1030E.
J-CAB	The analytical result is estimated based on failure of the cation-anion balance correctness check performed in accordance with the Standard Method 1030E.
J-TDS & CAB	The analytical result is unreliable based on failure of the cation-anion balance and TDS correctness check performed in accordance with the Standard Method 1030E.

