

October 11, 2006

Ms. Susan Crowley
Tronox LLC
PO Box 55
Henderson, Nevada 89009

Re: **Tronox LLC (TRX)**
NDEP Facility ID #H-000539
Nevada Division of Environmental Protection Response to:
Quality Assurance Project Plan (QAPP)
dated August 2006 (received September 29, 2006)

Dear Ms. Crowley,

The NDEP has received and reviewed Tronox's report identified above and provides comments below.

1. Section A8.2, please note that NELAP accreditation is not a substitute for Nevada certification although NELAP accreditation is helpful in expediting the certification process.
2. Laboratory QA Manuals, Section A, please note that the laboratory QA manuals should be included as an appendix to the QAPP.
3. Filtering of Samples, Section B.2, filtering of aqueous samples is not discussed in Section B.2. SOP 7130-04020 states (Section 4.10), "If filtration is required ...". The QAPP should clarify if and when filtration will be performed.
4. Database Fields, Section B.10, Section B, page 8 specifies "At a minimum, the database will contain the following fields:" This list should also include the Reporting Limit, Dilution Factor, Qualifier(s) and Reason Code(s).
5. Data Validation, Section D, general comment, it is requested that when data are qualified due to spike recovery issues, including MS, surrogates, and LCS, that the qualifier include a direction of potential bias. Use of + and - signs with the qualifier (e.g. J+) is required. It is also required that the data validation reports include summary tables that contain the percent recovery and RPD values for the applicable samples so that it is clear of the potential bias for each qualified sample. For example, data qualified due to matrix spike issues should contain a percent recovery for the analyte that exceeded the recovery criteria (low or high) and the associated sample to which this qualifier applies.

6. Data Validation, Section D.1.3, partial review should also include Chain-of-Custody items including sample integrity, and cooler/sample temperature.
7. Tables, general comment, a number of tables contain superscripts that appear to refer to a footnote, yet none of the footnotes are provided. Examples include Table A-2, page 10 of 24, reference to "(3)" and Table B-2, page 15 of 24, reference to "(1)."
8. Hexavalent Chromium Holding Time for Soils, Table B-1, page 13 of 24, the correct holding time for soils prepared via EPA Method 3060A for hexavalent chromium is 4 days from digestion to analysis. This specification is consistent with the discussion held with Tronox on 8/22/2006 and captured in the meeting minutes.
9. Radiochemical Analysis, Tables B-2, pages 16 and 17 of 24. Table B-2 lists two different types of radiochemical methods for Radium 226 and Radium 228. The aqueous methods that are listed include 903.1 (alpha) and 904.0 (beta), the listed soil methods are both 901.1/EML HASL 300 (gamma spectroscopy). Please clarify if the intent is to use different radiochemical analyses for the soil and aqueous samples. The alpha and beta methods are also listed in Table B-3. If gamma spectroscopy is planned the appropriate QC checks for the method should be provided in Table B-3.

The QAPP should be revised and resubmitted. It is expected that these comments will be addressed as part of the implementation of the Phase A Scope of Work and that the revision of the QAPP shall not delay the implementation of the Phase A Scope of Work. Please provide a revised QAPP as soon as possible. Please advise the NDEP when this revised document can be expected. If there are any questions please do not hesitate to contact me.

Sincerely,

Brian A. Rakvica, P.E.
Supervisor
Bureau of Corrective Actions
Special Projects Branch
NDEP-Las Vegas Office

Ms. Susan Crowley

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