



September 5, 2007

Ms. Shannon Harbor, P.E.
Nevada Division of Environmental Protection
Bureau of Corrective Actions
2030 E. Flamingo Road, Suite 230
Las Vegas, Nevada 89119-0818

Subject: Phase 2 Sampling and Analysis Plan to Conduct Soil Characterization, Tronox Parcel "G" Site, Henderson, Nevada

Dear Shannon:

On behalf of Tronox, Basic Environmental Company (BEC) appreciates the opportunity to submit this letter Phase 2 Sampling and Analysis Plan (SAP) to conduct soil characterization of Tronox Parcel "G" (portions of APN No. 178-13-101-002). Parcel G will be referred to as the Site for the purposes of this SAP. The Site is located within the Tronox facility, approximately 1/4 mile north of Lake Mead Parkway, in Henderson, Nevada. Figure 1 illustrates the location of the subject Site within the Tronox property. Figure 2 shows details of Parcel G. Legal boundaries of Parcel G will be provided to the NDEP prior to issuance of the requested No Further Action Determination (NFAD).

Background

The Site, which represents a portion of the Tronox property, is currently comprised primarily of vacant land, and includes a utility vault and several drain inlets. BEC also recognizes that other historic uses/disposals on or near the Site may have occurred. A Phase 1 investigation has been performed on the Site. The Phase 1 investigation, Site visits and historical aerial photographs analysis indicate some amount of staining and some debris, indicating the presence of stormwater evaporative residue. Given the vicinity of BMI Industrial Companies, it is also possible that the Site or portions thereof could also have been indirectly impacted by such operations.

Two deep monitoring wells (TR-7 and TR-8) are located within the Site, including one well (TR-8) which was used as part of the 2006 Tronox Upgradient Investigation. Chemical concentrations were generally low or non-detect; however, chloroform was detected at 2,500 parts per billion (ppb). No chemicals, including volatile organic compounds (VOCs), were found at levels in wells within the Site higher than wells located upgradient of Parcel G in any of the previous sampling events. This suggests that there are no on-Site sources of groundwater impacts.

This SAP will focus on the upper five feet of soil in order to obtain a NFAD from the NDEP in order to support future industrial/commercial use on this Site. No residential use is planned; a deed restriction will be placed on the property. The rationale for sampling for the upper five feet (as opposed to the upper 10 feet) is that imported fill of roughly five feet depth will be required

in order to meet final site grading requirements. This fill will be clean. One possible source is material from the BRC Borrow Pit.

Objective

The objective of the field investigation is to identify and characterize the distribution of Site-related chemicals (SRCs) in the vicinity of the future land use features (e.g., warehouse or commercial office-type buildings) and historical site features (e.g., staining and debris, etc.). Surface and shallow subsurface samples that will be collected are depth-discrete soil matrix samples. Sample locations have been placed to both evaluate potential future land use exposures (although future plans are not fully defined at this time), and to characterize potential source areas on the Site. The sample locations provide spatial coverage of the Site (Figure 2). The rationale for location of the sampling points is to ensure that the entire Site is reasonably and completely covered for sampling purposes in order to obtain data that are representative of the Site, that specific locations within the Site that were potentially impacted are also sampled, and that the sampled concentrations can be meaningfully used in subsequent risk assessments, if needed. Ultimately, the purpose of this sampling is to support the NFAD for Parcel G.

Scope of Work

The following is the proposed scope of work for investigating the Site and meeting the SAP objectives. The scope of work has been divided into three main tasks: 1) Field Implementation; 2) Data Evaluation; and 2) Reporting.

Task 1: Field Implementation

The purpose of the intrusive investigation is to collect data sufficient to meet the objectives of the SAP. All sampling and sample handling procedures will be consistent with the NDEP-approved BRC Field Sampling and Standard Operating Procedures (FSSOP) (BRC, ERM and MWH 2007a).

The proposed analyte list is composed of VOCs, semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), polyaromatic hydrocarbons (PAHs), metals, organochlorine pesticides, perchlorate, ions (including chloride, nitrate, nitrite, and sulfate), radionuclides, and asbestos. This list includes all of the compounds (with a few additional modifications as discussed subsequently) on Tronox's "reduced list" as shown in Table 1. Tronox's reduced list was developed as a subset of the entire suite of Tronox SRCs based on the findings of the Tronox Phase A Source Area Investigation.

The modifications are as follows: first, in general instead of analyzing for specific members of certain analyte categories like metals, VOCs and SVOCs, the entire suite will be analyzed and reported; second, the organophosphate pesticide and chlorinated herbicide suites were eliminated since only three detections were in these analytical suites (dimethoate and demeton-o) which were at least an order of magnitude below their respective U.S. Environmental Protection Agency (USEPA) Region 9 industrial preliminary remediation goals (PRGs); third, polychlorinated biphenyls (PCBs) were eliminated since only a single Aroclor was detected once (in the central portion of the Tronox property at 20 feet below ground surface (bgs), well north of the Site) below its respective PRG; fourth, dioxins and furans are not proposed to be analyzed at this small Site since there is no indication of any surface impact (such as burning) which may

indicate the presence of dioxins, and fifth, not all SRCs are proposed to be analyzed at all depths in this SAP (for example, asbestos is proposed to be analyzed in surface soil samples only). Summary results of the Tronox Phase A investigation for PCBs, organophosphate pesticides, and chlorinated herbicides are provided in Table 2.

Given the absence of direct operations on this Site of a nature commensurate to that which took place on the Tronox plant site itself, the proposed SRC list and proposed sampling should characterize those sources that were located on the Site, as well as likely chemicals that may have been deposited on the Site via fugitive dust emissions from the Tronox operations and property and/or other neighboring BMI plants. The proposed analyte list for this SAP is presented in Table 1. Unless otherwise noted in the footnotes in Table 1, all analytes will be analyzed at all locations. BEC notes that this analyte list may not be appropriate for any future planned investigations (such as the proposed Tronox Phase B investigation) at the Site (which will extend from below 10 feet bgs to groundwater).

Pre-Field Activities

The pre-field activities will be conducted in accordance with applicable standard operating procedures (SOPs; BRC, ERM and MWH 2007a). The BRC Quality Assurance Project Plan (QAPP; BRC, ERM and MWH 2007b) and Health and Safety Plan (HASP; BRC and MWH 2005) prepared for the BMI Common Areas will be used for this proposed scope of work. All work will be completed under the direction of a State of Nevada Certified Environmental Manager.

Soil Borings

The SOPs referred to in the following discussion are documented in the FSSOP. BEC will implement field screening using photoionization detectors (PIDs) (using two lamps) in accordance with SOP-39. SOP-1 will be followed for all drilling activities including Hollow Stem Auger drilling. The field geologist will prepare logs for each boring indicating the Unified Soil Classification System (USCS) soil classification (SOP-17), an estimate of field moisture content, sampling depths, progress of drilling (SOP-15), final completion depth, and the nature and resolution of any problems encountered.

Soil sample and auger boring locations will be surveyed using a handheld GPS to a horizontal accuracy of 3 meters (approximately 10 feet) or better. Soil cuttings generated during soil sampling and drilling activities will be collected on visqueen, analyzed, and appropriately disposed off. Due to the nature of the shallow sampling, it is not anticipated that a significant amount of excess soil will be generated as a result of the sampling, or that the soils will require special handling. Also, because the groundwater at the Site is approximately 40 feet bgs (based on data from Tronox monitoring well M-92, the closest alluvial aquifer well, 800 feet north of the Site), it is not anticipated that groundwater will be encountered during drilling of the shallow borings. The quality assurance/quality control (QA/QC) procedures that will be followed during the field investigation are detailed in Section B of the QAPP (BRC, ERM and MWH 2007b).

Soil matrix samples will be collected based on random sample locations placed within a 4-acre grid across the Site. The random sample locations were supplemented with judgmental sampling locations targeting specific site features (e.g., miscellaneous pile locations). The rationale for the various judgmental sampling locations is provided below:

- Parcel G, grid cell 'G-A2' – approximate drain inlet location;
- Parcel G, grid cell 'G-A2' – approximate drain inlet location;
- Parcel G, grid cell 'G-A2' – approximate drain inlet location;
- Parcel G, grid cell 'G-A1' – approximate drain inlet location;
- Parcel G, grid cell 'G-A2' – approximate dumpster location;
- Parcel G, grid cell 'G-A2' – approximate utility vault access location; and
- Parcel G, grid cell 'G-A1' – stained soil area.

Soil borings will be advanced with a hollow-stem auger to a total depth of five feet bgs. Soil samples will be collected at approximately zero (i.e., surface) and five feet bgs. Soil samples will be analyzed for the analyte list provided in Table 1, with limitations as noted in the footnotes to this table.

Task 2: Data Evaluation

Once the data are collected, BEC will subject the data to validation per procedures agreed to previously with the NDEP and consistent with the QAPP (BRC, ERM and MWH 2007b). Only those data determined by the QA/QC review to be suitable for use will be considered for the site data set. A separate Data Validation Summary Report will be prepared and submitted to NDEP.

Task 3: Reporting

Upon receipt of laboratory analytical results, an investigation report will be prepared. The report shall contain, but not be limited to, the following items:

- A summary of the sampling procedures conducted;
- Sampling location map;
- Soil boring logs;
- An evaluation and summary of the collected data;
- Tables(s) summarizing soil results; and
- If appropriate, plan view maps indicating the locations of detected constituents in soil.

Given the depth to groundwater at the Site (approximately 40 feet bgs, as measured at off-site monitoring wells), and the fact that future development will cover the Site with paved areas and buildings, migration of chemicals at the Site to groundwater is considered unlikely. However, once the data are collected this will be evaluated in the report. It should also be noted that development of the site will not preclude future groundwater investigation or remediation activities that may need to be conducted by Tronox.

Following collection and analysis of soil samples, the data will be discussed with the NDEP. This will include a comparison to the recently approved BRC-TIMET background data set (BRC and TIMET 2007). If required upon this evaluation, a risk assessment will be conducted to evaluate the potential risks to future on-site human receptors. The receptors identified to be evaluated in the risk assessment will be consistent with the proposed development of the Site. These receptors will include construction workers, indoor commercial workers, and outdoor maintenance workers. Because the proposed development does not include residential units, on-site residents will not be evaluated. The risk assessment will be conducted using standard

USEPA guidance, input parameters, and methods. A risk assessment work plan will be submitted to NDEP after sample results have been obtained and NDEP approval will be obtained prior to conducting the risk assessment.

Schedule

Once final approval of the SAP is received from NDEP, field implementation activities can commence within one to two weeks. BEC will provide NDEP with at least one week notice prior to the initiation of field activities at the Site. It is anticipated that this work can be completed within one week, depending on field conditions. The soil samples will be submitted to the laboratories and placed on a standard turn around time, which is 28 days for the complete analyte list. A report will be completed within three weeks after the final data are received from the laboratory and validated.

Closing Remarks

See attached for appropriate certification language and signature. Please direct any remaining questions or comments you may have to me at 626-382-0001.

Sincerely,
Basic Environmental Company



Ranajit Sahu, CEM
Project Manager

cc: Brian Rakvica, NDEP, BCA, Las Vegas, NV 89119
Jim Najima, NDEP, BCA, Carson City, NV 89701

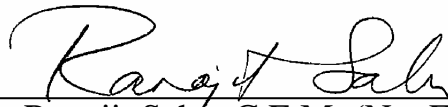
Attachments:

- Table 1 – Project List of Analytes – Soil
- Table 2 – Tronox Phase A PCB, Organophosphorous Pesticide and Chlorinated Herbicide Results Summary
- Figure 1 – Tronox/BEC Parcel Map
- Figure 2 – Proposed Sample Locations – Parcel “G”

References

- BRC and MWH. 2005. BRC Health and Safety Plan, BMI Common Areas, Clark County, Nevada. October.
- BRC, ERM, and MWH. 2007a. BRC Field Sampling and Standard Operating Procedures, BMI Common Areas, Clark County, Nevada. August.
- BRC, ERM, and MWH. 2007b. BRC Quality Assurance Project Plan. BMI Common Areas, Clark County, Nevada. August.
- BRC and TIMET. 2007. Background Shallow Soil Summary Report, BMI Complex and Common Areas Vicinity. March 16.

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.



September 5, 2007

Dr. Ranajit Sahu, C.E.M. (No. EM-1699, Exp. 10/07/2009)

Date

BRC Project Manager

TABLES

TABLE 1
PROJECT LIST OF ANALYTES – SOIL
 (Page 1 of 11)

| Parameter of Interest | Analytical Method | Compound List | CAS Number | Tronox SRC | Soil Sample Analysis | | |
|--|--|--------------------|--|-------------|----------------------|-----------------------|---|
| | | | | | Surface (0 ft bgs) | Subsurface (5 ft bgs) | |
| Ions | EPA 300.0 | Bromide | 24959-67-9 | | X | X | |
| | | Bromine | 7726-95-6 | | X | X | |
| | | Chlorate | 14866-68-3 | X | X | X | |
| | | Chloride | 16887-00-6 | X | X | X | |
| | | Chlorine (soluble) | 7782-50-5 | X | X | X | |
| | | Chlorite | 14998-27-7 | | X | X | |
| | | Fluoride | 16984-48-8 | | X | X | |
| | | Nitrate (as N) | 14797-55-8 | X | X | X | |
| | | Nitrite (as N) | 14797-65-0 | | X | X | |
| | | Orthophosphate | 14265-44-2 | X | X | X | |
| | | Sulfate | 14808-79-8 | X | X | X | |
| | | | EPA 314.0 | Perchlorate | 14797-73-0 | X | X |
| | Polychlorinated Dibenzodioxins/ Dibenzofurans | EPA 8290 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran | 39001-02-0 | X | | |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin | | | 3268-87-9 | X | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran | | | 67562-39-4 | X | | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin | | | 35822-46-9 | X | | | |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran | | | 55673-89-7 | X | | | |
| 1,2,3,4,7,8-Hexachlorodibenzofuran | | | 70648-26-9 | X | | | |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin | | | 39227-28-6 | X | | | |
| 1,2,3,6,7,8-Hexachlorodibenzofuran | | | 57117-44-9 | X | | | |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin | | | 57653-85-7 | X | | | |
| 1,2,3,7,8,9-Hexachlorodibenzofuran | | | 72918-21-9 | X | | | |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin | | | 19408-74-3 | X | | | |
| 1,2,3,7,8-Pentachlorodibenzofuran | | | 57117-41-6 | X | | | |
| 1,2,3,7,8-Pentachlorodibenzo-p-dioxin | | | 40321-76-4 | X | | | |
| 2,3,4,6,7,8-Hexachlorodibenzofuran | | | 60851-34-5 | X | | | |
| 2,3,4,7,8-Pentachlorodibenzofuran | | | 57117-31-4 | X | | | |
| 2,3,7,8-Tetrachlorodibenzofuran | | | 51207-31-9 | X | | | |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin | | | 1746-01-6 | X | | | |
| Asbestos | Elutriator/TEM | Asbestos | 1332-21-4 | X | X | | |

TABLE 1
PROJECT LIST OF ANALYTES – SOIL
 (Page 2 of 11)

| Parameter of Interest | Analytical Method | Compound List | CAS Number | Tronox SRC | Soil Sample Analysis | |
|-----------------------|-------------------|---------------|------------|------------|----------------------|-----------------------|
| | | | | | Surface (0 ft bgs) | Subsurface (5 ft bgs) |
| Metals | EPA 6020/6010B | Aluminum | 7429-90-5 | X | X | X |
| | | Antimony | 7440-36-0 | X | X | X |
| | | Arsenic | 7440-38-2 | X | X | X |
| | | Barium | 7440-39-3 | X | X | X |
| | | Beryllium | 7440-41-7 | X | X | X |
| | | Boron | 7440-42-8 | X | X | X |
| | | Cadmium | 7440-43-9 | X | X | X |
| | | Calcium | 7440-70-2 | X | X | X |
| | | Chromium | 7440-47-3 | X | X | X |
| | | Cobalt | 7440-48-4 | X | X | X |
| | | Copper | 7440-50-8 | X | X | X |
| | | Iron | 7439-89-6 | X | X | X |
| | | Lead | 7439-92-1 | X | X | X |
| | | Lithium | 1313-13-9 | | X | X |
| | | Magnesium | 7439-95-4 | X | X | X |
| | | Manganese | 7439-96-5 | X | X | X |
| | | Molybdenum | 7439-98-7 | X | X | X |
| | | Nickel | 7440-02-0 | X | X | X |
| | | Niobium | 7440-03-1 | | X | X |
| | | Palladium | 7440-05-3 | | X | X |
| | | Phosphorus | 7723-14-0 | X | X | X |
| | | Platinum | 7440-06-4 | X | X | X |
| | | Potassium | 7440-09-7 | X | X | X |
| | | Selenium | 7782-49-2 | X | X | X |
| | | Silicon | 7440-21-3 | X | X | X |
| | | Silver | 7440-22-4 | X | X | X |
| | | Sodium | 7440-23-5 | X | X | X |
| | | Strontium | 7440-24-6 | X | X | X |
| | | Sulfur | 7704-34-9 | | X | X |
| | | Thallium | 7440-28-0 | X | X | X |
| | | Tin | 7440-31-5 | X | X | X |
| | | Titanium | 7440-32-6 | X | X | X |

TABLE 1
PROJECT LIST OF ANALYTES – SOIL
 (Page 3 of 11)

| Parameter of Interest | Analytical Method | Compound List | CAS Number | Tronox SRC | Soil Sample Analysis | |
|---|-------------------|-----------------|------------|------------|----------------------|-----------------------|
| | | | | | Surface (0 ft bgs) | Subsurface (5 ft bgs) |
| Metals (continued) | EPA 6020/6010B | Tungsten | 7440-33-7 | X | X | X |
| | | Uranium | 7440-61-1 | X | X | X |
| | | Vanadium | 7440-62-2 | X | X | X |
| | | Zinc | 7440-66-6 | X | X | X |
| | | Zirconium | 7440-67-7 | | X | X |
| | EPA 7196A | Chromium (VI) | 18540-29-9 | X | X | X |
| Polychlorinated Biphenyls (PCBs) ¹ | EPA 8141A | Aroclor 1016 | 12674-11-2 | X | | |
| | | Aroclor 1221 | 11104-28-2 | X | | |
| | | Aroclor 1232 | 11141-16-5 | X | | |
| | | Aroclor 1242 | 53469-21-9 | X | | |
| | | Aroclor 1248 | 12672-29-6 | X | | |
| | | Aroclor 1254 | 11097-69-1 | X | | |
| | | Aroclor 1260 | 11096-82-5 | X | | |
| Organophosphorous Pesticides ¹ | EPA 8141A | Azinphos-Methyl | 86-50-0 | X | | |
| | | Bolstar | 35400-43-2 | X | | |
| | | Chlorpyrifos | 2921-88-2 | X | | |
| | | Coumaphos | 56-72-4 | X | | |
| | | Demeton-O | 298-03-3 | X | | |
| | | Demeton-S | 126-75-0 | X | | |
| | | Diazinon | 333-41-5 | X | | |
| | | Dichlorvos | 62-73-7 | X | | |
| | | Dimethoate | 60-51-5 | X | | |
| | | Disulfoton | 298-04-4 | X | | |
| | | Epn | 2104-64-5 | X | | |
| | | Ethoprop | 13194-48-4 | X | | |
| | | Ethyl Parathion | 56-38-2 | X | | |
| | | Famphur | 52-85-7 | X | | |
| | | Fensulfothion | 115-90-2 | X | | |
| | | Fenthion | 55-38-9 | X | | |
| | | Malathion | 121-75-5 | X | | |
| | | Merphos | 150-50-5 | X | | |
| Methyl Parathion | 298-00-0 | X | | | | |

TABLE 1
PROJECT LIST OF ANALYTES – SOIL
 (Page 4 of 11)

| Parameter of Interest | Analytical Method | Compound List | CAS Number | Tronox SRC | Soil Sample Analysis | |
|--|-------------------|---------------------|------------|------------|----------------------|-----------------------|
| | | | | | Surface (0 ft bgs) | Subsurface (5 ft bgs) |
| Organophosphorous Pesticides ¹ (continued) | EPA 8141A | Mevinphos | 7786-34-7 | X | | |
| | | Naled | 300-76-5 | X | | |
| | | Phorate | 298-02-2 | X | | |
| | | Ronnel | 299-84-3 | X | | |
| | | Stirphos | 22248-79-9 | X | | |
| | | Sulfotep | 3689-24-5 | X | | |
| | | Thionazin | 297-97-2 | X | | |
| | | Tokuthion | 34643-46-4 | X | | |
| | | Trichloronate | 327-98-0 | X | | |
| Organochlorine Pesticides | EPA 8081A | 2,4-DDD | 53-19-0 | X | X | X |
| | | 2,4-DDE | 3424-82-6 | X | X | X |
| | | 4,4-DDD | 72-54-8 | X | X | X |
| | | 4,4-DDE | 72-55-9 | X | X | X |
| | | 4,4-DDT | 50-29-3 | X | X | X |
| | | Aldrin | 309-00-2 | X | X | X |
| | | alpha-BHC | 319-84-6 | X | X | X |
| | | alpha-Chlordane | 5103-71-9 | X | X | X |
| | | beta-BHC | 319-85-7 | X | X | X |
| | | Chlordane | 57-74-9 | X | X | X |
| | | delta-BHC | 319-86-8 | X | X | X |
| | | Dieldrin | 60-57-1 | X | X | X |
| | | Endosulfan I | 959-98-8 | X | X | X |
| | | Endosulfan II | 33213-65-9 | X | X | X |
| | | Endosulfan sulfate | 1031-07-8 | X | X | X |
| | | Endrin | 72-20-8 | X | X | X |
| | | Endrin aldehyde | 7421-93-4 | X | X | X |
| | | Endrin ketone | 53494-70-5 | X | X | X |
| | | gamma-BHC (Lindane) | 58-89-9 | X | X | X |
| | | gamma-Chlordane | 5103-74-2 | X | X | X |

TABLE 1
PROJECT LIST OF ANALYTES – SOIL
 (Page 5 of 11)

| Parameter of Interest | Analytical Method | Compound List | CAS Number | Tronox SRC | Soil Sample Analysis | |
|---------------------------------------|------------------------|----------------------------|------------|------------|----------------------|-----------------------|
| | | | | | Surface (0 ft bgs) | Subsurface (5 ft bgs) |
| Organochlorine Pesticides (continued) | EPA 8081A | Heptachlor | 76-44-8 | X | X | X |
| | | Heptachlor epoxide | 1024-57-3 | X | X | X |
| | | Methoxychlor | 72-43-5 | X | X | X |
| | | Toxaphene | 8001-35-2 | X | X | X |
| Chlorinated Herbicides ¹ | EPA 8151A | 2,4,5-TP (Silvex) | 93-72-1 | X | | |
| Polynuclear Aromatic Hydrocarbons | EPA 8310 ² | Acenaphthene | 83-32-9 | X | X | X |
| | | Acenaphthylene | 208-96-8 | X | X | X |
| | | Anthracene | 120-12-7 | X | X | X |
| | | Benzo(a)anthracene | 56-55-3 | X | X | X |
| | | Benzo(a)pyrene | 50-32-8 | X | X | X |
| | | Benzo(b)fluoranthene | 205-99-2 | X | X | X |
| | | Benzo(g,h,i)perylene | 191-24-2 | X | X | X |
| | | Benzo(k)fluoranthene | 207-08-9 | X | X | X |
| | EPA 8310 ² | Chrysene | 218-01-9 | X | X | X |
| | | Dibenzo(a,h)anthracene | 53-70-3 | X | X | X |
| | | Indeno(1,2,3-cd)pyrene | 193-39-5 | X | X | X |
| | | Phenanthrene | 85-01-8 | X | X | X |
| | | Pyrene | 129-00-0 | X | X | X |
| | | | | | | |
| Radionuclides | HASL A-01-R | Thorium-228 | 14274-82-9 | X | X | X |
| | | Thorium-230 | 14269-63-7 | X | X | X |
| | | Thorium-232 | 7440-29-1 | X | X | X |
| | | Uranium-233/234 | 13966-29-5 | X | X | X |
| | | Uranium 235/236 | 15117-96-1 | X | X | X |
| | | Uranium-238 | 7440-61-1 | X | X | X |
| | EPA 903.0 / 903.1 | Radium-226 | 13982-63-3 | X | X | X |
| | EPA 904.0 | Radium-228 | 15262-20-1 | X | X | X |
| Semivolatile Organic Compounds | EPA 8270C ³ | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | | X | X |
| | | 1,2-Diphenylhydrazine | 122-66-7 | | X | X |
| | | 1,4-Dioxane | 123-91-1 | | X | X |
| | | 2,2'/4,4'-Dichlorobenzil | 3457-46-3 | | X | X |
| | | 2,4,5-Trichlorophenol | 95-95-4 | | X | X |
| | | 2,4,6-Trichlorophenol | 88-06-2 | | X | X |

TABLE 1
PROJECT LIST OF ANALYTES – SOIL
 (Page 6 of 11)

| Parameter of Interest | Analytical Method | Compound List | CAS Number | Tronox SRC | Soil Sample Analysis | |
|--|------------------------|-----------------------------|------------|------------|----------------------|-----------------------|
| | | | | | Surface (0 ft bgs) | Subsurface (5 ft bgs) |
| Semivolatile Organic Compounds (continued) | EPA 8270C ³ | 2,4-Dichlorophenol | 120-83-2 | | X | X |
| | | 2,4-Dimethylphenol | 105-67-9 | | X | X |
| | | 2,4-Dinitrophenol | 51-28-5 | | X | X |
| | | 2,4-Dinitrotoluene | 121-14-2 | | X | X |
| | | 2,6-Dinitrotoluene | 606-20-2 | | X | X |
| | | 2-Chloronaphthalene | 91-58-7 | | X | X |
| | | 2-Chlorophenol | 95-57-8 | | X | X |
| | | 2-Methylnaphthalene | 91-57-6 | | X | X |
| | | 2-Nitroaniline | 88-74-4 | | X | X |
| | | 2-Nitrophenol | 88-75-5 | | X | X |
| | | 3,3-Dichlorobenzidine | 91-94-1 | | X | X |
| | | 3-Nitroaniline | 99-09-2 | | X | X |
| | | 4,4'-Dichlorobenzil | 3457-46-3 | | X | X |
| | | 4-Bromophenyl phenyl ether | 101-55-3 | | X | X |
| | | 4-Chloro-3-methylphenol | 59-50-7 | | X | X |
| | | 4-Chlorophenyl phenyl ether | 7005-72-3 | | X | X |
| | | 4-Chlorothioanisole | 123-09-1 | | X | X |
| | | 4-Chlorothiophenol | 106-54-7 | | X | X |
| | | 4-Nitroaniline | 100-01-6 | | X | X |
| | | 4-Nitrophenol | 100-02-7 | | X | X |
| | | Acenaphthene | 83-32-9 | | X | X |
| | | Acenaphthylene | 208-96-8 | | X | X |
| | | Acetophenone | 98-86-2 | | X | X |
| | | Aniline | 62-53-3 | | X | X |
| | | Anthracene | 120-12-7 | | X | X |
| | | Azobenzene | 103-33-3 | | X | X |
| | | Benzo(a)anthracene | 56-55-3 | | X | X |
| | | Benzo(a)pyrene | 50-32-8 | | X | X |
| | | Benzo(b)fluoranthene | 205-99-2 | | X | X |
| | | Benzo(g,h,i)perylene | 191-24-2 | | X | X |
| | | Benzo(k)fluoranthene | 207-08-9 | | X | X |
| | | Benzoic acid | 65-85-0 | | X | X |

TABLE 1
PROJECT LIST OF ANALYTES – SOIL
 (Page 7 of 11)

| Parameter of Interest | Analytical Method | Compound List | CAS Number | Tronox SRC | Soil Sample Analysis | |
|--|------------------------|------------------------------|------------|------------|----------------------|-----------------------|
| | | | | | Surface (0 ft bgs) | Subsurface (5 ft bgs) |
| Semivolatile Organic Compounds (continued) | EPA 8270C ³ | Benzyl alcohol | 100-51-6 | | X | X |
| | | bis(2-Chloroethoxy)methane | 111-91-1 | | X | X |
| | | bis(2-Chloroethyl) ether | 111-44-4 | | X | X |
| | | bis(2-Chloroisopropyl) ether | 108-60-1 | | X | X |
| | | bis(2-Ethylhexyl) phthalate | 117-81-7 | | X | X |
| | | bis(Chloromethyl) ether | 542-88-1 | | X | X |
| | | bis(p-Chlorophenyl) sulfone | 80-07-9 | | X | X |
| | | bis(p-Chlorophenyl)disulfide | 1142-19-4 | | X | X |
| | | Butylbenzyl phthalate | 85-68-7 | | X | X |
| | | Carbazole | 86-74-8 | | X | X |
| | | Chrysene | 218-01-9 | X | X | X |
| | | Dibenzo(a,h)anthracene | 53-70-3 | X | X | X |
| | | Dibenzofuran | 132-64-9 | | X | X |
| | | Dichloromethyl ether | 542-88-1 | | X | X |
| | | Diethyl phthalate | 84-66-2 | | X | X |
| | | Dimethyl phthalate | 131-11-3 | | X | X |
| | | Di-n-butyl phthalate | 84-74-2 | | X | X |
| | | Di-n-octyl phthalate | 117-84-0 | | X | X |
| | | Diphenyl disulfide | 882-33-7 | | X | X |
| | | Diphenyl sulfide | 139-66-2 | | X | X |
| | | Diphenyl sulfone | 127-63-9 | | X | X |
| | | Fluoranthene | 206-44-0 | X | X | X |
| | | Fluorene | 86-73-7 | X | X | X |
| | | Hexachlorobenzene | 118-74-1 | X | X | X |
| | | Hexachlorobutadiene | 87-68-3 | | X | X |
| | | Hexachlorocyclopentadiene | 77-47-4 | | X | X |
| | | Hexachloroethane | 67-72-1 | | X | X |
| | | Hydroxymethyl phthalimide | 118-29-6 | | X | X |
| | | Indeno(1,2,3-cd)pyrene | 193-39-5 | X | X | X |
| | | Isophorone | 78-59-1 | | X | X |
| | | m,p-Cresol | 106-44-5 | | X | X |
| | | Naphthalene | 91-20-3 | X | X | X |

TABLE 1
PROJECT LIST OF ANALYTES – SOIL
 (Page 8 of 11)

| Parameter of Interest | Analytical Method | Compound List | CAS Number | Tronox SRC | Soil Sample Analysis | |
|--|------------------------|---|------------|------------|----------------------|-----------------------|
| | | | | | Surface (0 ft bgs) | Subsurface (5 ft bgs) |
| Semivolatile Organic Compounds (continued) | EPA 8270C ³ | Nitrobenzene | 98-95-3 | X | X | X |
| | | N-nitrosodi-n-propylamine | 621-64-7 | | X | X |
| | | N-nitrosodiphenylamine | 86-30-6 | | X | X |
| | | o-Cresol | 95-48-7 | | X | X |
| | | Octachlorostyrene | 29082-74-4 | X | X | X |
| | | p-Chloroaniline (4-Chloroaniline) | 106-47-8 | | X | X |
| | | p-Chlorobenzenethiol | 106-54-7 | | X | X |
| | | Pentachlorobenzene | 608-93-5 | | X | X |
| | | Pentachlorophenol | 87-86-5 | | X | X |
| | | Phenanthrene | 85-01-8 | X | X | X |
| | | Phenol | 108-95-2 | | X | X |
| | | Phthalic acid | 88-99-3 | | X | X |
| | | Pyrene | 129-00-0 | X | X | X |
| | | Pyridine | 110-86-1 | X | X | X |
| | | Thiophenol | 108-98-5 | | X | X |
| | | Tentatively Identified Compounds (TICs) | | | X | X |
| Volatile Organic Compounds | EPA 8260B | 1,1,1,2-Tetrachloroethane | 630-20-6 | | X | X |
| | | 1,1,1-Trichloroethane | 71-55-6 | X | X | X |
| | | 1,1,2,2-Tetrachloroethane | 79-34-5 | | X | X |
| | | 1,1,2-Trichloroethane | 79-00-5 | | X | X |
| | | 1,1-Dichloroethane | 75-34-3 | | X | X |
| | | 1,1-Dichloroethene | 75-35-4 | | X | X |
| | | 1,1-Dichloropropene | 563-58-6 | | X | X |
| | | 1,2,3-Trichlorobenzene | 87-61-6 | | X | X |
| | | 1,2,3-Trichloropropane | 96-18-4 | | X | X |
| | | 1,2,4-Trichlorobenzene | 120-82-1 | | X | X |
| | | 1,2,4-Trimethylbenzene | 95-63-6 | | X | X |
| | | 1,2-Dichlorobenzene | 95-50-1 | X | X | X |
| | | 1,2-Dichloroethane | 107-06-2 | | X | X |
| | | 1,2-Dichloroethene | 540-59-0 | | X | X |
| | | 1,2-Dichloropropane | 78-87-5 | | X | X |
| | | 1,3,5-Trichlorobenzene | 108-70-3 | | X | X |

TABLE 1
PROJECT LIST OF ANALYTES – SOIL
 (Page 9 of 11)

| Parameter of Interest | Analytical Method | Compound List | CAS Number | Tronox SRC | Soil Sample Analysis | | |
|--|-------------------|-----------------------------|------------|------------|----------------------|-----------------------|---|
| | | | | | Surface (0 ft bgs) | Subsurface (5 ft bgs) | |
| Volatile Organic Compounds (continued) | EPA 8260B | 1,3,5-Trimethylbenzene | 108-67-8 | | X | X | |
| | | 1,3-Dichlorobenzene | 541-73-1 | X | X | X | |
| | | 1,3-Dichloropropene | 542-75-6 | | X | X | |
| | | 1,3-Dichloropropane | 142-28-9 | | | X | X |
| | | 1,4-Dichlorobenzene | 106-46-7 | X | X | X | |
| | | 2,2-Dichloropropane | 594-20-7 | | X | X | |
| | | 2,2-Dimethylpentane | 590-35-2 | | X | X | |
| | | 2,2,3-Trimethylbutane | 464-06-2 | | X | X | |
| | | 2,3-Dimethylpentane | 565-59-3 | | X | X | |
| | | 2,4-Dimethylpentane | 108-08-7 | | X | X | |
| | | 2-Chlorotoluene | 95-49-8 | | X | X | |
| | | 2-Hexanone | 591-78-6 | X | X | X | |
| | | 2-Methylhexane | 591-76-4 | | X | X | |
| | | 2-Nitropropane | 79-46-9 | | X | X | |
| | | 3,3-Dimethylpentane | 562-49-2 | | X | X | |
| | | 3-Ethylpentane | 617-78-7 | | X | X | |
| | | 3-Methylhexane | 589-34-4 | | X | X | |
| | | 4-Chlorobenzene | 108-90-7 | | X | X | |
| | | 4-Chlorotoluene | 106-43-4 | | X | X | |
| | | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | X | X | X | |
| | | Acetone | 67-64-1 | X | X | X | |
| | | Acetonitrile | 75-05-8 | | X | X | |
| | | Benzene | 71-43-2 | X | X | X | |
| | | Bromobenzene | 108-86-1 | | X | X | |
| | | Bromodichloromethane | 75-27-4 | | X | X | |
| | | Bromoform | 75-25-2 | | X | X | |
| | | Bromomethane | 74-83-9 | | X | X | |
| | | Carbon disulfide | 75-15-0 | | X | X | |
| | | Carbon tetrachloride | 56-23-5 | | X | X | |
| | | Chlorobenzene | 108-90-7 | X | X | X | |
| | | Chlorobromomethane | 74-97-5 | | X | X | |
| | | Chlorodibromomethane | 124-48-1 | | X | X | |

TABLE 1
PROJECT LIST OF ANALYTES – SOIL
 (Page 10 of 11)

| Parameter of Interest | Analytical Method | Compound List | CAS Number | Tronox SRC | Soil Sample Analysis | |
|--|-------------------|---|------------|------------|----------------------|-----------------------|
| | | | | | Surface (0 ft bgs) | Subsurface (5 ft bgs) |
| Volatile Organic Compounds (continued) | EPA 8260B | Chloroethane | 75-00-3 | | X | X |
| | | Chloroform | 67-66-3 | X | X | X |
| | | Chloromethane | 74-87-3 | | X | X |
| | | cis-1,2-Dichloroethene | 156-59-2 | | X | X |
| | | cis-1,3-Dichloropropene | 10061-01-5 | | X | X |
| | | Cymene (Isopropyltoluene) | 99-87-6 | | X | X |
| | | Dibromochloroethane | 73506-94-2 | | X | X |
| | | Dibromochloromethane | 124-48-1 | | X | X |
| | | Dibromochloropropane | 96-12-8 | | X | X |
| | | Dibromomethane | 74-95-3 | | X | X |
| | | Dichloromethane (Methylene chloride) | 75-09-2 | | X | X |
| | | Dimethylsulfide | 624-92-0 | | X | X |
| | | Ethanol | 64-17-5 | | X | X |
| | | Ethylbenzene | 100-41-4 | X | X | X |
| | | Freon-11 (Trichlorofluoromethane) | 75-69-4 | | X | X |
| | | Freon-113 (1,1,2-Trifluoro-1,2,2-trichloroethane) | 76-13-1 | | X | X |
| | | Freon-12 (Dichlorodifluoromethane) | 75-71-8 | | X | X |
| | | Heptane | 142-82-5 | | X | X |
| | | Isoheptane | 31394-54-4 | | X | X |
| | | Isopropylbenzene | 98-82-8 | | X | X |
| | | m,p-Xylene | mp-XYL | X | X | X |
| | | Methyl ethyl ketone (2-Butanone) | 78-93-3 | X | X | X |
| | | Methyl iodide | 74-88-4 | | X | X |
| | | MTBE (Methyl tert-butyl ether) | 1634-04-4 | X | X | X |
| | | n-Butyl benzene | 104-51-8 | | X | X |
| | | n-Propylbenzene | 103-65-1 | | X | X |
| | | Nonanal | 124-19-6 | | X | X |
| | | o-Xylene | 95-47-6 | X | X | X |
| | | sec-Butylbenzene | 135-98-8 | | X | X |
| | | Styrene | 100-42-5 | | X | X |
| | | tert-Butyl benzene | 98-06-6 | | X | X |
| | | Tetrachloroethene | 127-18-4 | X | X | X |

TABLE 1
PROJECT LIST OF ANALYTES – SOIL
 (Page 11 of 11)

| Parameter of Interest | Analytical Method | Compound List | CAS Number | Tronox SRC | Soil Sample Analysis | |
|--|-------------------|---|------------|------------|----------------------|-----------------------|
| | | | | | Surface (0 ft bgs) | Subsurface (5 ft bgs) |
| Volatile Organic Compounds (continued) | EPA 8260B | Toluene | 108-88-3 | X | X | X |
| | | trans-1,2-Dichloroethene | 156-60-5 | | X | X |
| | | trans-1,3-Dichloropropene | 10061-02-6 | | X | X |
| | | Trichloroethene | 79-01-6 | X | X | X |
| | | Vinyl acetate | 108-05-4 | | X | X |
| | | Vinyl chloride | 75-01-4 | | X | X |
| | | Xylenes (total) | 1330-20-7 | X | X | X |
| | | Tentatively Identified Compounds (TICs) | | | X | X |
| Total Petroleum Hydrocarbons | EPA 8015 | Diesel | 64742-46-7 | X | X | X |
| | | Gasoline | 8006-61-9 | X | X | X |
| | | Grease | 68153-81-1 | X | X | X |

Notes:

The laboratory will be instructed to report the top 25 Tentatively Identified Compounds (TICs) under method 8260B and 8270C.

¹PCBs, organophosphorous pesticides and chlorinated herbicides are not included in the analyte list. See text for rationale.

²For polynuclear aromatic hydrocarbons, Method 8270C is the primary analytical method, but Method 8310 may be used if necessary.

³Method 3540 for extraction and Method 3640 for cleanup are to be used as appropriate.

TABLE 2
TRONOX PHASE A PCB, ORGANOPHOSPHOROUS PESTICIDE AND CHLORINATED HERBICIDE RESULTS SUMMARY
 (Page 1 of 2)

| Method | Matrix | Chemical | Count | Hits | Minimum Detect | Maximum Detect | Minimum DL | Maximum DL | PRG/MCL |
|----------------------------------|--------------------|------------------|-------|------|----------------|----------------|------------|------------|---------|
| Polychlorinated Biphenyls (PCBs) | Soil (mg/kg) | Aroclor-1016 | 130 | 0 | -- | -- | 0.034 | 0.055 | 21.2 |
| | | Aroclor-1221 | 130 | 0 | -- | -- | 0.034 | 0.055 | 0.74 |
| | | Aroclor-1232 | 130 | 0 | -- | -- | 0.034 | 0.055 | 0.74 |
| | | Aroclor-1242 | 130 | 0 | -- | -- | 0.034 | 0.055 | 0.74 |
| | | Aroclor-1248 | 130 | 0 | -- | -- | 0.034 | 0.055 | 0.74 |
| | | Aroclor-1254 | 130 | 0 | -- | -- | 0.034 | 0.055 | 0.74 |
| | | Aroclor-1260 | 130 | 1 | 0.47 | 0.47 | 0.034 | 0.055 | 0.74 |
| | Groundwater (ug/L) | Aroclor-1016 | 30 | 0 | -- | -- | 0.1 | 0.1 | 0.5 |
| | | Aroclor-1221 | 30 | 0 | -- | -- | 0.1 | 0.1 | 0.5 |
| | | Aroclor-1232 | 30 | 0 | -- | -- | 0.1 | 0.1 | 0.5 |
| | | Aroclor-1242 | 30 | 0 | -- | -- | 0.1 | 0.1 | 0.5 |
| | | Aroclor-1248 | 30 | 0 | -- | -- | 0.1 | 0.1 | 0.5 |
| | | Aroclor-1254 | 30 | 0 | -- | -- | 0.1 | 0.1 | 0.5 |
| | | Aroclor-1260 | 30 | 0 | -- | -- | 0.1 | 0.1 | 0.5 |
| Organophosphorous Pesticides | Soil (mg/kg) | Azinphos-Methyl | 36 | 0 | -- | -- | 0.014 | 0.017 | -- |
| | | Bolstar | 36 | 0 | -- | -- | 0.014 | 0.017 | -- |
| | | Chlorpyrifos | 36 | 0 | -- | -- | 0.021 | 0.026 | 1,847 |
| | | Coumaphos | 36 | 0 | -- | -- | 0.014 | 0.017 | -- |
| | | Demeton-O | 36 | 1 | 0.092 | 0.092 | 0.041 | 0.05 | 24.6 |
| | | Demeton-S | 36 | 0 | -- | -- | 0.016 | 0.019 | 24.6 |
| | | Diazinon | 36 | 0 | -- | -- | 0.023 | 0.028 | 554 |
| | | Dichlorvos | 36 | 0 | -- | -- | 0.024 | 0.03 | 5.9 |
| | | Dimethoate | 36 | 3 | 0.011 | 0.013 | 0.023 | 0.028 | 123 |
| | | Disulfoton | 36 | 0 | -- | -- | 0.05 | 0.062 | 24.6 |
| | | Epn | 36 | 0 | -- | -- | 0.014 | 0.017 | 6.16 |
| | | Ethoprop | 36 | 0 | -- | -- | 0.016 | 0.019 | -- |
| | | Ethyl Parathion | 36 | 0 | -- | -- | 0.019 | 0.023 | 3,694 |
| | | Famphur | 36 | 0 | -- | -- | 0.014 | 0.017 | -- |
| | | Fensulfothion | 36 | 0 | -- | -- | 0.014 | 0.017 | -- |
| | | Fenthion | 36 | 0 | -- | -- | 0.034 | 0.043 | -- |
| | | Malathion | 36 | 0 | -- | -- | 0.016 | 0.019 | 12,312 |
| | | Merphos | 36 | 0 | -- | -- | 0.031 | 0.039 | -- |
| | | Methyl Parathion | 36 | 0 | -- | -- | 0.021 | 0.026 | 154 |
| | | Mevinphos | 36 | 0 | -- | -- | 0.016 | 0.019 | -- |
| | | Naled | 36 | 0 | -- | -- | 0.034 | 0.043 | 1,231 |
| | | Phorate | 36 | 0 | -- | -- | 0.021 | 0.026 | 123 |
| Ronnel | 36 | 0 | -- | -- | 0.019 | 0.023 | 30,780 | | |
| Stirphos | 36 | 0 | -- | -- | 0.016 | 0.019 | 72 | | |

TABLE 2
TRONOX PHASE A PCB, ORGANOPHOSPHOROUS PESTICIDE AND CHLORINATED HERBICIDE RESULTS SUMMARY
 (Page 2 of 2)

| Method | Matrix | Chemical | Count | Hits | Minimum Detect | Maximum Detect | Minimum DL | Maximum DL | PRG/MCL |
|------------------------------|--------------------|-------------------|-------|------|----------------|----------------|------------|------------|---------|
| Organophosphorous Pesticides | Soil (mg/kg) | Sulfotep | 36 | 0 | -- | -- | 0.021 | 0.026 | 308 |
| | | Thionazin | 36 | 0 | -- | -- | 0.019 | 0.023 | -- |
| | | Tokuthion | 36 | 0 | -- | -- | 0.021 | 0.026 | -- |
| | | Trichloronate | 36 | 0 | -- | -- | 0.021 | 0.026 | -- |
| | Groundwater (ug/L) | Azinphos-Methyl | 30 | 0 | -- | -- | 2.5 | 2.5 | -- |
| | | Bolstar | 30 | 0 | -- | -- | 1 | 1 | -- |
| | | Chlorpyrifos | 30 | 0 | -- | -- | 1 | 1 | -- |
| | | Coumaphos | 30 | 0 | -- | -- | 1 | 1 | -- |
| | | Demeton-O | 30 | 0 | -- | -- | 1 | 1 | -- |
| | | Demeton-S | 30 | 0 | -- | -- | 1 | 1 | -- |
| | | Diazinon | 30 | 0 | -- | -- | 1 | 1 | -- |
| | | Dichlorvos | 30 | 0 | -- | -- | 1 | 1 | -- |
| | | Dimethoate | 30 | 0 | -- | -- | 1 | 1 | -- |
| | | Disulfoton | 30 | 0 | -- | -- | 0.5 | 0.5 | -- |
| | | Epn | 30 | 0 | -- | -- | 1.2 | 1.2 | -- |
| | | Ethoprop | 30 | 0 | -- | -- | 0.5 | 0.5 | -- |
| | | Ethyl Parathion | 30 | 0 | -- | -- | 1 | 1 | -- |
| | | Famphur | 30 | 0 | -- | -- | 1 | 1 | -- |
| | | Fensulfothion | 30 | 0 | -- | -- | 2.5 | 2.5 | -- |
| | | Fenthion | 30 | 0 | -- | -- | 2.5 | 2.5 | -- |
| | | Malathion | 30 | 0 | -- | -- | 1.2 | 1.2 | -- |
| | | Merphos | 30 | 0 | -- | -- | 5 | 5 | -- |
| | | Methyl Parathion | 30 | 0 | -- | -- | 4 | 4 | -- |
| | | Mevinphos | 30 | 0 | -- | -- | 6.2 | 6.2 | -- |
| | | Naled | 30 | 0 | -- | -- | 1 | 1 | -- |
| | | Phorate | 30 | 0 | -- | -- | 1.2 | 1.2 | -- |
| | | Ronnel | 30 | 0 | -- | -- | 10 | 10 | -- |
| | | Stirphos | 30 | 0 | -- | -- | 3.5 | 3.5 | -- |
| Sulfotep | 30 | 0 | -- | -- | 1.5 | 1.5 | -- | | |
| Thionazin | 30 | 0 | -- | -- | 1 | 1 | -- | | |
| Tokuthion | 30 | 0 | -- | -- | 1.6 | 1.6 | -- | | |
| Trichloronate | 30 | 0 | -- | -- | 0.5 | 0.5 | -- | | |
| Chlorinated Herbicides | Soil (mg/kg) | 2,4,5-TP (Silvex) | 3 | 0 | -- | -- | 0.021 | 0.025 | 4,925 |
| | Groundwater (ug/L) | 2,4,5-TP (Silvex) | 4 | 0 | -- | -- | 1 | 1 | 50 |

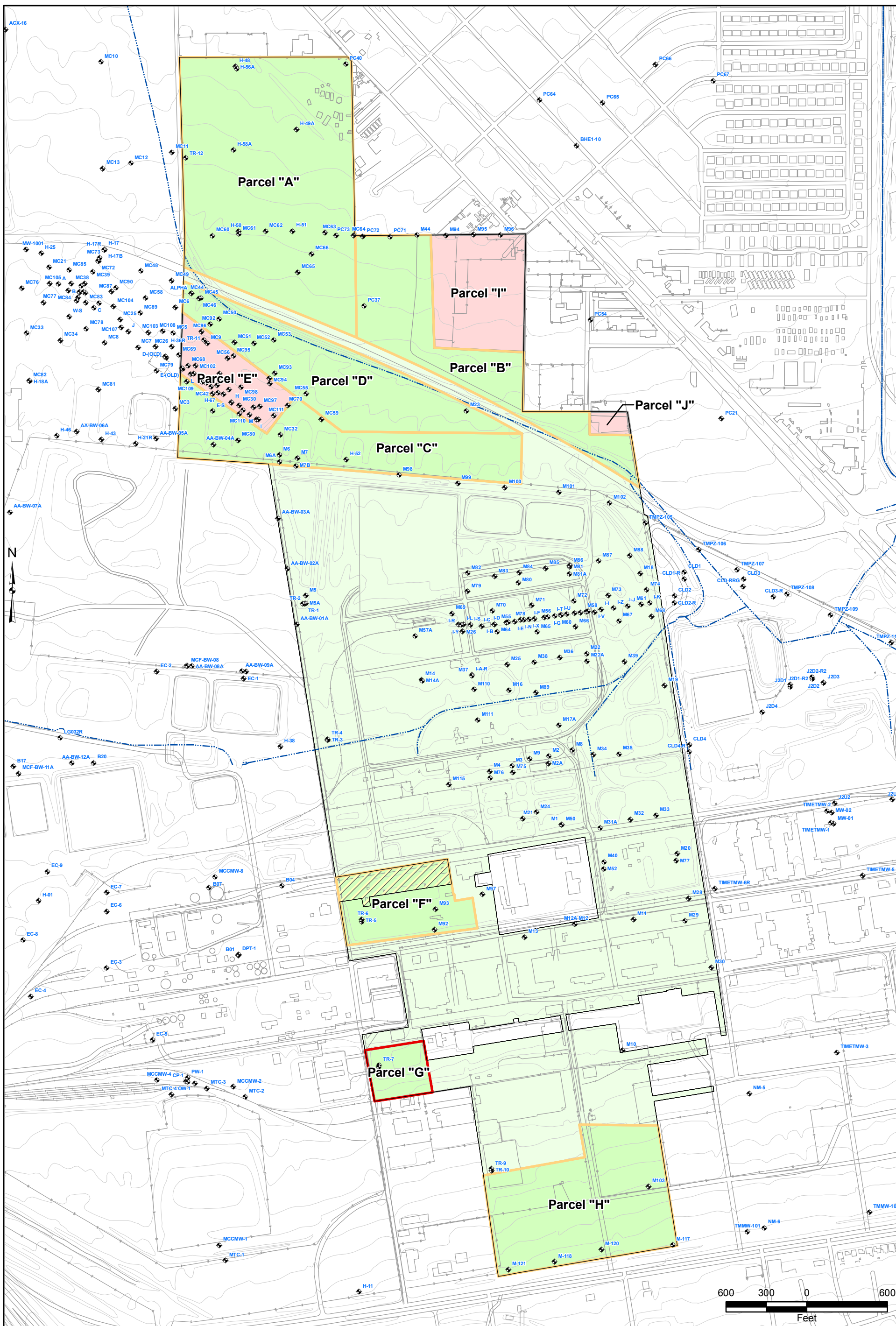
-- = None detected/none established.








DL = detection limit

PRG = U.S. Environmental Protection Agency (USEPA) Region 9 preliminary remediation goal

MCL = USEPA Maximum Contaminant Level

FIGURES



- | | | | |
|---|--------------------|---|------------------------------|
|  | Tronox Property |  | Tronox/BEC Parcels |
|  | Monitoring Wells |  | NFA to be obtained later |
|  | Historical Ditches |  | NFA to be obtained now |
| | |  | Parcels included in this SAP |
| | | | TIMET NFA Area |

BEC / Tronox Sampling and Analysis Plan
BMI Common Areas, Henderson, Nevada

FIGURE 1

**TRONOX/BEC
PARCEL MAP**





- Proposed Sampling Location
- ⊕ Monitoring Well
- Approximate Drain Inlet Location
- Approximate Dumpster Location
- Approximate Utility Vault Location

□ 4-Acre Random Sampling Grid (Grid ID = "A-X#")

Sample ID Nomenclature:

TSB-BR(J)-01
Parcel ID Random Sample Judgmental Sample

Fall 2006 Aerial from Clark County GIS.

BEC / Tronox Sampling and Analysis Plan
BMI Common Areas, Henderson, Nevada

FIGURE 2

PROPOSED SAMPLING LOCATIONS - PARCEL "G"



Prepared by: MKJ Date: 08/29/07

JOB No. 0069073
FILE: GIS/BEC/TRONOX/FIGURE_2.MXD