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October 30, 2006

Mr. Brian Rakvica, P.E.  
Nevada Division of Environmental Protection  
1771 East Flamingo, Suite 121-A  
Las Vegas, NV 89119-0837

Subject: NDEP Facility ID H-000539 – Tronox ECA – *Phase A Source Area Investigation Work Plan*  
– *Appendix D*

Dear Mr. Rakvica:

Tronox LLC (Tronox) has undertaken an Environmental Conditions Assessment (ECA) as directed by Nevada Division of Environmental Protection (NDEP). To describe on-site sampling a revised *Phase A Source Area Investigation Work Plan (Phase A)*, which covers field soil and groundwater sampling was submitted to your office last week, with the exception of the Appendix D, Standard Operating Procedures. Attached is that Appendix D. Our set of Standard Operating Procedures (SOPs) which describes activities associated with the Phase A sampling, is a combined set including all those in the stand alone September 2006 document *Standard Operating Procedures, Tronox Facility, Henderson NV* (Tronox SOPs), as well as selected SOP's from the May 2006 *BRC Field Sampling and Standard Operating Procedures* (BRC SOPs). BRC has authorized Tronox use of their SOPs on an as needed basis. From the Tronox SOPs; the cover page and Table of Contents are reproduced in Appendix D, as all these SOPs are associated with the Phase A sampling. From the BRC SOPs; the cover page and the List of Standard Operating Procedures are included with the List amended to exclude those SOPs not needed at this time. The Appendix D reader is directed to the respective stand alone documents for the SOPs themselves.

Feel free to call me at (702) 651-2234 if you have any questions regarding this correspondence. Thank you.

Sincerely,

Susan Crowley  
Staff Environmental Specialist, CEM 1428 exp 3-8-07

Overnight

CC: Please see attached distribution list

smc/Trx to NDEP 10-30-06 - re SAW Phase A Appendix D Cvr Ltr.doc

Tronox LLC

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Wilkinson Craig	Timet			X
Mack Joel	Montrose Counsel			

**Appendix D**  
**Standard Operating Procedures**

Prepared for:  
**Tronox LLC**  
**Henderson, Nevada**

# Standard Operating Procedures

ENSR Corporation  
September 2006  
Document No.: 4020-023-101

**Table of Contents**  
**Standard Operating Procedures**  
Tronox Facility  
Henderson, Nevada

<b>Tab Number</b>	<b>SOP Number</b>	<b>Title</b>
1	7110-04020	Surface Soil Sampling
2	7111-04020	Soil Sampling Matrices for VOCs Using EnCore™ Sampler
3	7115-04020	Subsurface Soil Sampling by Split Spoon
4	7116-04020	Subsurface Soil Sampling by Geoprobe™ Methods
5	7124-04020	Field Measurement of Water Quality Parameters
6	7130-04020	Groundwater Sample Collection from Monitoring Wells
7	7131-04020	Field Filtration of Water Samples for Inorganics
8	7221-04020	Monitoring Well Development
9	7230-04020	Test Pits/Trench Subsurface Exploration
10	7315-04020	Operation/Calibration of a Photoionization Detector (PID)
11	7510-04020	Packaging and Shipment of Environmental Samples
12	7515-04020	Recording of Field Data
13	7600-04020	Decontamination of Field Equipment
14	7720-04020	Hydraulic Conductivity Tests – Pressure Transducer Method

# **BRC FIELD SAMPLING AND STANDARD OPERATING PROCEDURES**

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## **BMI COMMON AREAS CLARK COUNTY, NEVADA**

**Prepared for:  
Basic Remediation Company (BRC)  
875 West Warm Springs Road  
Henderson, Nevada 89015**

**Prepared by:  
MWH  
3321 Power Inn Road, Suite 300  
Sacramento, California 95826**

**MAY 2006**

## LIST OF STANDARD OPERATING PROCEDURES

SOP-0	Quality Assurance and Quality Control for Submittals to the Nevada Division of Environmental Protection
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<del>SOP-2</del>	<del>Groundwater Monitoring Well Design</del>
<del>SOP-3</del>	<del>Groundwater Monitoring Well Development</del>
<del>SOP-4</del>	<del>Aquifer Testing Methods</del>
SOP-5	Water Sampling and Field Measurements
SOP-6	Sample Management and Shipping
SOP-7	Soil Sampling
<del>SOP-8</del>	<del>Trenching and Test Pitting</del>
<del>SOP-9</del>	<del>Surface Water and Sediment Sampling</del>
<del>SOP-10</del>	<del>Surveying</del>
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<del>SOP-16</del>	<del>Flux Chamber Source Testing</del>
SOP-17	Soil Logging
<del>SOP-18</del>	<del>Soil Sampling for VOCs Using EnCore™ Samplers</del>
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<del>SOP-21</del>	<del>Monitoring Well Destruction</del>
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<del>SOP-25</del>	<del>Shallow Hand Auger Sampling</del>
<del>SOP-26</del>	<del>Soil Grab Sampling</del>
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<del>SOP-29</del>	<del>Drum Sampling</del>

## LIST OF STANDARD OPERATING PROCEDURES

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SOP-31	Drilling Equipment Decontamination
<del>SOP-32</del>	<del>X-Ray Fluorescence (XRF) Analysis (REMOVED)</del>
<del>SOP-33</del>	<del>Wipe Sampling</del>
SOP-34	Investigative Derived Waste (IDW) Management
<del>SOP-35</del>	<del>Waste Sampling</del>
<del>SOP-36</del>	<del>Tank Sampling</del>
<del>SOP-37</del>	<del>Active Soil Gas Investigation</del>
<del>SOP-38</del>	<del>Radiation Field Screening</del>
SOP-39	Photoionization Detector (PID) Screening Procedure

## APPENDICES

- A NDEP Comments on the BRC Standard Operating Procedures and BRC's Response to Comments