## Clean Earth Sampling Protocol
### CES/CENC Hybrid for MGP Material

#### PARAMETERS
- TPH-DRO
- BTEX
- TOX
- IGNITABILITY
- CORROSIVITY (pH)
- REACTIVITY - SULFIDE AND CYANIDE
- PCBs
- TOTAL METALS
- HEXAVALENT CHROMIUM
- TOTAL CYANIDE
- TCLP METALS - 8
- TCLP VOLATILE ORGANICS
- TCLP SEMI-VOLATILE ORGANICS
- TCLP HERBICIDES
- TCLP PESTICIDES
- PAHs
- % MOISTURE

#### METHODS (1)

<table>
<thead>
<tr>
<th>FREQUENCY</th>
<th>8015B</th>
<th>8021 or 8260B</th>
<th>9020 or 9023</th>
<th>1030A</th>
<th>9045C</th>
<th>SW846 Chapter 7.3</th>
<th>8082A</th>
<th>6010/7471</th>
<th>7196</th>
<th>9014</th>
<th>1311/9010/7470A</th>
<th>1311/8260B</th>
<th>1311/8270D</th>
<th>1311/8151A</th>
<th>1311/8081B</th>
<th>8270D</th>
<th>SM20-2545G</th>
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<tbody>
<tr>
<td>Grab sample 1st 90 tons, 2nd 90 tons and every 375 tons thereafter</td>
<td>X</td>
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<tr>
<td>Grab Sample every 1000 tons</td>
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<td>5-point composite sample every 1000 tons in accordance with SW846</td>
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</table>

### MGP

| Aluminum | Antimony | Arsenic | Barium | Beryllium | Boron | Cadmium | Cobalt | Copper | Trivalent Chromium | Iron | Lead | Manganese | Mercury | Nickel | Selenium | Silver | Thallium | Tin | Vanadium | Zircon | |
|----------|----------|---------|--------|----------|-------|---------|--------|--------|-------------------|------|-------|------------|---------|--------|----------|--------|-----------|-----|----------|--------|

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should always be utilized by the laboratory.

Additional testing criteria may be required to address potential contaminants that can reasonably be expected to be present in the soil based on environmental due diligence.