

### **AEP Requirements for On Site Electrical Equipment Decommissioning: 2007**

The work at the site may include the removal of bushings, radiators, switch boxes, etc. to accommodate transportation, regulatory requirements and physical constraints. The Contractor may be required to remove components, including bushings, containing >49 ppm PCB if directed by AEP.

Any porous materials from inside the equipment, including cores, will not be removed from the equipment on AEP property unless the activity is pre-approved by AEP. In the event that porous insulating materials or cores are removed on AEP property, they will be placed on and wrapped in plastic during storage and shipment.

All equipment and components will be loaded by the Contractor or by AEP approved personnel and shipped by AEP approved transporters on trailers equipped with spill containment protection.

Prior to the start of the work, the Contractor will submit to AEP for approval:

- ✍ ✍ List of the final disposal facilities, scrap dealers and subcontractors that will be associated with the project. Only AEP approved processes and third party disposal sites/vendors may be used.
- ✍ ✍ Written safety plan.

A job safety briefing must be conducted and documented each day the Contractor is working on AEP property prior to commencing work. These job briefings must address all hazards associated with the task to be performed.

Incident reporting – if an accident occurs while on AEP property or damage is done to AEP/AEP's customers property an accident report must be filed with AEP. Initial report must be received by 8:00 am the next day followed by an in-depth report within 48 hours. All incidents which cause an employee to seek medical treatment or causes a customer outage must be reported immediately.

Any spills resulting from the decommissioning process will require cleanup at the Contractor's expense. The cleanup of any such spills will be conducted in strict accordance with EPA regulations. Documentation related to the cleanup activities of any such spills will be forwarded to AEP for recordkeeping purposes.

#### **Bushings**

Unless indicated otherwise, dielectric material (oil or compound) filled bushings will not be tested by AEP for PCBs. The Contractor will be responsible for either testing to determine the PCB concentration of the bushings or assuming that the bushings contain >499ppm PCBs and transport as such or as otherwise directed by AEP. All bushings must be tested to determine their actual PCB concentration once received at the designated disposal facility.

PCB testing may not be performed by any contractor that is operating only as a transfer facility. If the Contractor is acting only as a transfer facility (i.e. the Contractor is not an AEP approved PCB disposal site), bushings containing >49 ppm PCB (whether removed from the equipment or not) must be in transit for disposal to an AEP approved PCB disposal site within ten (10) calendar days from the date of receipt at the Contractor's facility.

Any bushing tested for PCBs shall be analyzed by gas chromatograph ("GC") method. Disposal shall be conducted according to all applicable regulations and through an AEP approved disposal facility.

**Oil**

If necessary, all oil will be removed by an AEP approved contractor prior to the start of dismantling / decommissioning activities. Any oil that contains <50 ppm PCBs may be transported to an AEP approved industrial fuel blender or oil reclamation / detoxification facility.

**Recordkeeping / Manifesting**

For transportation for disposal purposes, dielectric material (oil or compound) filled bushings with unknown PCB concentrations or known to contain >49 ppm PCB must be manifested as separate PCB Articles (whether still attached to the equipment or not). These bushings will be transported in a way that protects against damage which could result in a release of the bushing's dielectric material.

All paperwork, including, but not limited to, manifesting, bills of lading and Certificates of Disposal are the responsibility of the Contractor. The Contractor will be responsible for the correct completion of the manifest, and will insure that AEP signs each manifest. The Contractor shall not sign manifests as AEP's representative or on behalf of AEP.

All DOT regulated material will be transported in accordance with the DOT hazardous materials regulations.

Under the terms of the Contract, the Contractor is only approved by AEP Environmental Services to dismantle and reclaim electrical equipment and components that contain <50 ppm PCB (full) or previously contained <500 ppm PCB (drained).

## **Transmission Safety Requirements**

Safety standards in a substation:

- ☞ ☞ An AEP employee must be present, with the Contractor, in the station at all times.
- ☞ ☞ The station gate must remain closed at all times unless an observer is posted at the gate.
- ☞ ☞ Incident reporting – if an accident occurs while on AEP property or damage is done to AEP/AEP's customers property an accident report must be filed with AEP. Initial report must be received by 8:00 am the next day followed by an in-depth report within 48 hours. All incidents which cause an employee to seek medical treatment or causes a customer outage must be reported immediately.
- ☞ ☞ Clearance distances – Please note that appropriate (non-qualified electrical worker) clearance distances shall be maintained during the project. Depending on voltages these distances may be as high as 24 feet.
- ☞ ☞ Fall protection – anything over six (6) feet in height must be tied off.
- ☞ ☞ If other contractors are performing work for AEP in the substation be sure to discuss with them the work the Contractor is performing. Fire retardant (FR) clothing and personal protective equipment (PPE) requirements:
  - ☞ ☞ Anyone going into the station must meet AEP's FR clothing requirements – long sleeve shirts with the sleeves rolled down, buttoned and tucked in. Pants shall be 100% natural fiber with a weight of 11oz. or more, typical "Levi" type pants meet this requirement. Outer layer shall be made of 100% natural fiber with a weight of 11oz or more. When a shirt is worn as the outer layer, it shall be FR rated with long sleeves. Other layers shall be FR rated and/or 100% natural fibers
- ☞ ☞ Safety glasses, hard hats and appropriate footwear (no tennis shoes) must be worn at all times while in the station.
- ☞ ☞ It is the responsibility of the Contractor to ensure the safety of their subcontractors.

**Approved Disposal Vendors**

| Type   | Vendor  | Location/Address   | Telephone                    | Notes           |
|--|---|--|------------------------------|-----------------|
| <b>TSCA PCB Landfills (All PCB concentrations)</b>                   |   |  |                              |                 |
|  | Chemical Waste Management (CWM)                         | Emelle, AL   | 800-652-5755                 |                 |
|  | Clean Harbors (SK; USPCI; Laidlaw)                      | Knolls, UT   | 801-323-8900                 | Grassy Mountain |
|  | CWM Chemical Services, LLC                              | Model City, NY   | 716-754-8231                 |                 |
|  | Republic Services-CSC Landfill                          | Avalon, TX   | 800-256-9278                 |                 |
|  | US Ecology  | Grand View, ID   | 800-274-1516                 |                 |
|  |   | Beatty, NV   | 800-239-3943                 |                 |
|  | EQ Company - Wayne Disposal, Inc.                       | Bellville, Michigan  | 800-592-5489                 |                 |
|  | Waste Control Specialists, LLC                          | Andrews, TX  | 432-394-4444                 |                 |
| <b>TSCA PCB Incinerators (All PCB concentrations)</b>                |   |  |                              |                 |
|  | Clean Harbors (SK; APTUS; Laidlaw)                      | Deer Park, TX<br>Aragonite, UT                             | 281-930-2300<br>801-323-8100 |                 |
|  | Veolia ES Technical Solutions (Onyx ES; CWM; USA Waste) | Port Arthur, TX  | 409-736-2821                 |                 |
| <b>Electrical Equipment Decommissioning (All PCB concentrations)</b> |   |  |                              |                 |
|  | Clean Harbors   | Ashtabula, OH  | 440-992-8665                 | Full or drained |
|  |   | Coffeyville, KS  | 620-252-1220                 | Full or drained |
|  |   | Twinsburg, OH  | 330-425-3825                 | Full or drained |
|  | Environmental Protection Services (EPS)                 | Wheeling, WV   | 304-232-1590                 | Full or drained |
|  | Veolia ES Technical Solutions (Onyx ES; CWM; USA Waste) | Phoenix, AZ  | 602-233-2955                 | Full or drained |
|  | Solomon Corporation                                     | Solomon, KS  | 800-234-2867                 | Full or drained |
|  | TCI of Alabama  | Pell City, AL  | 205-338-9997                 | Full or drained |
|  | Transformer Disposal Specialists                        | Tonkawa, OK  | 580-628-5371                 | Full or drained |
| Type   | Vendor  | Location/Address   | Telephone                    | Notes           |
| <b>Landfills (LF) Accepting Materials &lt;50 ppm PCBs</b>            |   |  |                              |                 |
|  | Abilene Regional LF                                     | FM 3034 & Hwy 277N/83N<br>PO Box 3391<br>Abilene, TX 79601 | 325-672-7613                 |                 |
|  | Alderson Regional LF (formerly Pittsburg Co. LF)        | 201 South 5th St.<br>Alderson, OK 74522                    | 918-426-0993                 |                 |
|  | American LF   | 7916 Chapel St., SE<br>Waynesburg, OH                      | 330-866-3265                 |                 |
|  | Athens-Hocking Reclamation                              | PO Box 946<br>Logan, OH 43138                              | 740-385-6019<br>740-385-5531 |                 |
|  | Blackfoot RDF   | RR 1 Box K<br>Lynnville, IN 47619                          | 812-789-2647                 | Pike County     |
|  | Brooke County LF  | Wierton, WV  | 304-748-0014                 |                 |
|  | Broken Arrow LF   | Broken Arrow, OK   | 918-355-1688                 |                 |
|  | County Env. of Wyandote                                 | 11164 Co. Hwy 4<br>Carey, OH 43316                         | 419-396-3581                 |                 |
|  | American Disposal Svcs. Co.                             | Carey, OH 43316  |                              |                 |
|  | Countywide LF   | 3619 Gracemont St.<br>East Sparta, OH                      | 330-874-3855                 |                 |
| Type   | Vendor  | Location/Address   | Telephone                    | Notes           |
| <b>Landfills (LF) Accepting Materials &lt;50 ppm PCBs contd.</b>     |   |  |                              |                 |
|  | Dommermuth Env. Services                                | Knoxville, TN  |                              |                 |
|  | Earthmovers Landfill                                    | 26488 County Road 26<br>Elkarth IN                         | 547-875-5232                 |                 |

|   |                             |                         |                  |   |
|---|-----------------------------|-------------------------|------------------|---|
|   | East Oak LF                 | 3201 Mosley Rd.         | 405-427-1112     |   |
|   | Waste Management, Inc.      | Oklahoma City, OK 73141 |                  |   |
|   | El Centro LF                | Robstown, TX            | 361-767-7905     |   |
|   | First Piedmont Corporation  | 108 S. Main St.         | 434-432-0211     | East of Danville, VA                      |
|   |                             | PO Box 1069             | 800-476-6780     |   |
|   |                             | Chatham, VA 24531       |                  |   |
|   | Green Valley LF             | 1500 N. Big Run Rd.     | 606-928-0239     |   |
|   | Green Valley Environmental  | Ashland, KY 41102       |                  |   |
|   | Hickory Ridge LF            | Conley, GA              | 404-363-6660     |   |
|   | Jay County LF               | 5825 West 400 South     | 260-726-2871     |   |
|   |                             | Portland, IN 47371      |                  |   |
|   | Lone Mountain               | Waynoka, OK             | 580-697-3500     |   |
|   | Mylam Recycling             | East St. Louis, MO      |                  |   |
|   | National Serv-All           | 6231 MacBeth Road       | 219-747-4117     |   |
|   |                             | Ft. Wayne, IN 46809     |                  |   |
|   | Northwestern Landfill       | Route 50 East           | 304-428-0602     |   |
|   |                             | Dry Run Road            |                  |   |
|   |                             | Parkersburg, WV 26102   |                  |   |
|   | Oklahoma City LF            | Oklahoma City, OK       | 405-745-3091     |   |
|   | Outer Loop LF               | Louisville, KY          | 502-966-0272     |   |
|   | Osage County LF             | Bartlesville, OK        | 918-336-3159     |   |
|   | Pine Grove LF               | 5131 Drinkle Road       | 740-969-4487     |   |
|   | Republic Services, Inc.     | Amanda, OH 43102        | 877-969-4487     |   |
|   | Prairie View LF             | Wyatt, IN               | 574-546-4475     | Call Kevin Perkins<br>at Waste Mgmt of IN |
|   | Quarry LF                   | Tulsa, OK               | 918-437-7773     |   |
|   | Randolph Farms              | 7256 W. CR 600 S.       | 765-853-5714     |   |
|   |                             | Modoc, IN 47358         |                  |   |
|   | Rio Grande Valley LF        | Donna, TX               | 956-464-7871     |   |
|   | Rumpke Beech Hollow LF      | 28 AW Long Road         | 740-384-4400     |   |
|   |                             | Welston, OH 45692       | 800-582-3107     |   |
|   |                             |                         | 740-384-5472     | Fax                                       |
|   | San Angelo LF               | 3002 Old Ballinger Hwy. | 325-655-6869     |   |
|   |                             | San Angelo, TX 76905    |                  |   |
|   | Southeast Berrien County LF | 3200 Chamberlain Rd.    | 269-695-2500     | Chris Schoo                               |
|   |                             | Buchanan, MI 49107      |                  |   |
|   | Southern Plains LF          | Alex, OK                | 405-785-2060     |   |
|   | South Eastern LF            | Corbin, KY              |                  |   |
|   | Suburban RDF                | 3415 TR 447             | 800-276-5437     |   |
|   |                             | Glenford, OH 43739      |                  |   |
| <b>Type</b>   | <b>Vendor</b>               | <b>Location/Address</b> | <b>Telephone</b> | <b>Notes</b>                              |
| <b>Landfills (LF) Accepting Materials &lt;50 ppm PCBs</b> |                             |                         |                  |   |
|   | Sycamore LF                 | 4301 Sycamore Ridge Rd. | 304-562-2603     |   |
|   | (Superior Services, Inc.)   | Hurricane, WV 25526     | 304-562-2611     |   |
|   |                             |                         | 304-562-2358     | Fax                                       |
|   | Home Office -               | 6101 Taccony St.        | 800-523-3256     | Home Office                               |
|   |                             | Philadelphia, PA        |                  |   |
|   | Sycamore Ridge LF           | 5621 E. Cotton Road     | 812-299-9227     |   |
|   |                             | Pimento, IN 47866       |                  |   |
|   | Tessman Road LF             | San Antonio, TX         | 210-661-4104     |   |
|   | Texas Ecologists            | Robstown, TX            | 800-242-3209     |   |
|   | Tontitown LF                | Springdale, AR          | 479-361-2069     |   |
|   | Pottstown LF                | Pottstown, PA           | 610-327-2703     |   |
|   | Wabash Valley LF            | PO Box 406              | 260-563-2539     |   |
|   |                             | 316 Spring Valley Rd.   |                  |   |
|   |                             | Wabash, IN 46992        |                  |   |

|  |   |   |                  |                                |
|--|---|---|------------------|--------------------------------|
|  | Waste Control Specialists, LLC            | Andrews, TX                             | 432-394-4444     |                                |
|  | Westside LF                               | Three Rivers, MI                        | 616-273-1770     | Contact Waste Management of MI |
|  | Wetzel County LF                          | New Martinsville, WV                    | 304-455-1843     |                                |
|  | Woolworth Road LF<br>(City of Shreveport) | Keithville, LA                          | 318-925-2262     |                                |
| <b>Soil/Debris Treatment &lt;50 ppm PCBs</b> |   |   |                  |                                |
|  | Strategic Environmental                   | St. Mary's, WV                          |                  |                                |
| <b>Used Oil &lt;50 ppm PCBs</b>              |   |   |                  |                                |
|  | AEP Wilkes Power Plant                    | Avinger, TX                             | 903-562-1131     |                                |
|  | Environmental Protection Services (EPS)   | Wheeling, WV                            | 304-232-1590     |                                |
|  | Central Ohio Oil                          | Columbus, OH                            | 614-443-1014     |                                |
|  | First Recovery                            | All locations                           | 800-545-3520     |                                |
|  | Heartland                                 | Columbus, OH                            | 800-889-7831     |                                |
|  | Hydrodec North America, Inc.              | Canton, OH                              | 330-454-8202     |                                |
|  | John Scoggins Company                     | Sallisaw, OK                            | 918-775-2748     |                                |
|  | Perma-Fix                                 | Tulsa, OK                               |                  |                                |
|  |   | Dayton, OH                              |                  |                                |
|  | Safety Kleen                              | All locations                           |                  |                                |
|  | Clean Harbors                             | Ashtabula, OH                           | 440-992-8665     | All PCB Concentrations         |
|  |   | Coffeyville, KS                         | 620-252-1220     |                                |
|  |   | Twinsburg, OH                           | 330-425-3825     |                                |
|  | Environmental Protection Services (EPS)   | Wheeling, WV                            | 304-232-1590     | All PCB Concentrations         |
|  | TCI of Alabama                            | Pell City, AL                           | 205-338-9997     | All PCB Concentrations         |
|  | Transformer Disposal Specialists          | Tonkawa, OK                             | 580-628-5371     | All PCB Concentrations         |
| <b>Used Oil &lt;2 ppm PCBs</b>               |   |   |                  |                                |
|  | Metalworking Lubricants                   | Indianapolis, IN                        | 800-486-5636     |                                |
|  | Necessary Oil                             | Bristol, TN                             | 800-764-4533     |                                |
|  | FCC Environmental (Siemens; US Filter)    | Baytown, TX                             | 800-353-2383     |                                |
|  | FCC Environmental (Siemens; US Filter)    | Kilgore, TX                             | 903-984-0270     |                                |
|  | FCC Environmental (Siemens; US Filter)    | Springtown, TX                          | 817-523-4938     |                                |
|  | Thermofluids, Inc.                        | Pleasanton, TX                          | 210-268-8150     |                                |
|  | Z & Z Oil, Inc.                           | Fremont, OH                             | 419-333-0344     |                                |
| <b>Type</b>                                  | <b>Vendor</b>                             | <b>Location/Address</b>                 | <b>Telephone</b> | <b>Notes</b>                   |
| <b>Scrap Metal vendors</b>                   |   |   |                  |                                |
|  | JVC / Cherrington                         | 468 Front Street, Oak Hill, OH          | 740-682-7768     |                                |
|  | OmniSource                                | 2531 Taylor Street, Ft. Wayne, IN       | 800-666-4900     |                                |
|  | Versatile                                 | 7755 East 89th Street, Indianapolis, IN | 317-577-9300     |                                |
|  | URS                                       | 503 VZCR 3805, Wills Point, TX          | 903-873-3811     |                                |
|  | Mansbach (for JVC / Cherrington)          | 1900 Front Street, Ashland, KY          | 606-923-3499     |                                |

|  |  |   |   |
|--|--|---|---|
|  | Commercial Metals (for URS)                          | 4614 Agnes Street, Corpus Christi, TX 78405 | Facilities in Dallas (5), Houston, Beaumont, Clute, Corpus Christi, El Paso, Ft. Worth, Galveston, Lubbock, Odessa, Victoria, Laredo, Irving and Lufkin TX; Shreveport, LS; Miami, OK |
|  | CMC Recycling (f.k.a. Yonack Iron & Metal) (for URS) | 11485 County Road 212, Forney, TX, 75126    | CMC is approved to accept scrap metal <i>provided</i> AEP removes all capacitors and lamps from any scrap materials prior to transfer   |
|  | Texas Metals (for URS)                               | 2989 Pine Street Abilene, TX                |   |