

SECTION 00297 - PCB AND MERCURY CONTAINING EQUIPMENT

(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project. The specifications may be modified to include project specific specifications, but all additions, deletions, or modifications must be sent to the ODOT Technical Resource and Senior Specifications Engineer for review and approval.)

Section 00297, which is not a Standard Specification, is included in this Project by Special Provision.

Description

00297.00 Scope - In addition to the requirements of Section 00290 and these specifications, this work consists of removing and disposing of the following:

(Edit the bullets below to indicate the number and type of PCB and mercury containing items to be removed. Delete what does not apply.)

- ___ Polychlorinated biphenyls (PCB) lamp ballasts assumed to contain PCB at concentrations greater than 50 ppm.
- ___ non-PCB lamp ballasts manufactured after July 1979 and labeled as containing less than 50 ppm PCB.
- ___ electrical transformers containing approximately ___ gallons of fluid of unknown PCB concentration.
- ___ high intensity discharge (HID) lamps that may contain mercury.
- ___ fluorescent lamp tubes that may contain mercury.
- ___ mercury or PCB containing items that _____.

(Fill in the blanks with the date and name of report that will be available from the Engineer.)

The _____ ODOT report, titled _____ documenting the PCB and mercury containing equipment identified for the Project is available from the Engineer.

00297.03 Submittals - Submit the following documents within 48 hours of completing or receiving them:

- Waste characterization and sample analytical data.
- Bill-of-ladings, manifests, disposal and recycling receipts, and destruction certificates.

(Use the following subsection .30 only when removing waste lamps.)

Labor

00297.30 Personnel Qualifications - Provide employees that handle waste lamps meeting the training requirements of 40 CFR 273.16.

Construction

00297.40 PCB Lamp Ballasts - Comply with OAR 340-110, 40 CFR 761, and the following:

- Assume lamp ballasts contain potting materials with a PCB concentration greater than 50 ppm.
- Disconnect and remove the ballasts and store them at a secure location in a sealed, labeled container.
- Remove from Site and dispose of within 30 days of beginning disconnection work or before Second Notification, whichever occurs first.
- Dispose of as a PCB bulk product waste in a Toxics Substances Control Act (TSCA) approved disposal facility or other EPA approved disposal method.
- Complete and sign all manifests and bill-of-lading forms for transporting and disposing of lamp ballasts as the "offeror".

00297.41 Non-PCB Lamp Ballasts - Comply with OAR 340-110, 40 CFR 761, and the following:

- Confirm PCB content labeling indicates less than 50 ppm PCBs. If labeling is not present, remove and dispose of lamp ballasts according to 00297.40.
- Determine if small capacitors are present and if they are broken or leaking.
 - If the capacitor is not broken or not leaking, dispose of it according to this subsection.
 - If the capacitor is broken or leaking and does not have a label or has a label showing a PCB level of 50 ppm or more, dispose of it according to 00297.40.
 - If the capacitor is broken or leaking and has a label showing a PCB level of less than 50 ppm, dispose of it according to this subsection.
- Disconnect and remove the ballasts and store them in a secure location in a sealed, labeled container.
- Remove from Site and dispose of within 30 days of beginning disconnection work or before Second Notification, whichever occurs first.
- Dispose of as solid waste in a DEQ permitted municipal solid waste landfill, in a TSCA approved disposal facility, or other EPA approved disposal method.
- Complete and sign all required manifests and bill-of-lading forms for transporting and disposing of lamp ballasts.

00297.42 Electrical Transformers - Comply with OAR 340-110, 40 CFR 761, and the following:

- Perform a waste characterization for the transformer fluid according to 00290.20(c).
- Disconnect transformers and store them in a secure location in sealed, labeled containers, with secondary containment sufficient to contain the entire contents of the largest transformer in the containment.

- Dispose of transformer and fluids according to the options provided in 40 CFR 761.60, within 30 days of beginning disconnection work or before Second Notification, whichever occurs first.
- Complete and sign all required manifests and bill-of-lading forms for transporting and disposing of transformers and sign the manifests, as the offeror.

00297.43 Mercury Lamps - Comply with 40 CFR 273, OAR 340-113, and the following:

- Place all waste lamps in closed, labeled, structurally sound and compatible containers that are sufficient to prevent lamp breakage.

(Select one of the following bullets as instructed below. Delete the one that does not apply.)

(Use this bullet when waste lamps will be disposed of at a waste facility.)

- Transport waste lamps to a DEQ registered universal waste destination facility within 60 days of beginning removal from fixtures or before Second Notification, whichever occurs first.

(Use this bullet when HID mercury lamps will remain the property of ODOT or another entity. Fill in the blank with the address.. Be sure to have Letter of Public Interest done and on file before the lamps remain the property of ODOT or other entity)

- HID mercury lamps remain the property of the Agency. Transport them to the ODOT Maintenance facility at _____ .

Measurement

00297.80 Measurement - No measurement of quantities will be made for work performed under this Section.

Payment

00297.90 Payment - No separate or additional payment will be paid for work performed under this Section. Payment will be included in payment made under the appropriate method described in 00950.90.