Regulated Waste Management Guidance for Renovation and Demolition Projects
12/7/16

Regulated wastes must be properly disposed of when generated during Renovation and Demolition Projects. This includes but is not limited to the following:

- Hazardous Wastes, Oils & Paints (i.e. Chemicals, Pesticides, Lube Oils, Spray Paints, etc.)
- Mercury Containing Thermostats, Rechargeable Batteries, Smoke Alarms
- Lamps/Bulbs & Lighting Ballasts (both Non-PCB & PCB)
- Consumer Electronics (any item containing a circuit board)
- Refrigerant Containing Equipment (refrigerators, freezers, A/C units, Chillers, etc.)

REHS can provide assistance during the initial project planning stage and will conduct a site walk with the Rutgers Project Manager will identify regulated waste items and provide site specific guidance, (site walk may also include contractor and/or Facilities Trade Supervisor when applicable)

This guidance document also includes specific language to be included in bid documents to inform the bidding contractors of the University requirements, (in addition to the Federal, State and Local requirements) for proper management of Lamps/Bulbs and Lighting Ballasts.

Hazardous Wastes, Used Oils & Paints

REHS will remove hazardous wastes, used oils and paints that were previously identified during the walkthrough with the Project Manager. These items will be removed according to an established schedule with the Project Manager.

If additional hazardous wastes, used oils and paints are found during the project, the Project Manager will contact REHS via hazwaste@rutgers.edu for removal. The request must be made at least two weeks prior to renovation work or disconnection from utilities.

Mercury Thermostats, Batteries from Emergency Lighting & Radioactive Consumer Devices (i.e. Self-Luminous Exit Signs & Industrial Smoke Detectors)

The General Contractor or Facilities Trade Supervisor will ensure the items are removed, segregated, containerized, labeled and temporarily stored in a secure location. Containers and labels for each type of item being removed will be provided by REHS upon request from the Project Manager or Facilities Trade Supervisor. Once the waste items are ready to be picked up the Project Manager or Facilities Trade Supervisor will contact REHS for removal via hazwaste@rutgers.edu.

Notes:

- Mercury containing ampoules should not be removed from thermostats.
- Exposed battery terminals must be taped to prevent shorting.
Lamps/Bulbs and Lighting Ballasts.
The General Contractor or Facilities Trade Supervisor will inventory types / number bulbs and ballasts for disposal to determine containers needed. The General Contractor or Facilities Trade Supervisor will request appropriate containers from the University approved vendor prior to renovation/demolition.

The General Contractor or Facilities Trade Supervisor will ensure bulbs and ballasts are properly removed, containerized, labeled, and stored in a dry, secure location. Labels are provided by REHS upon request. The lighting ballasts must be segregated, PCB vs. Non-PCB. The Non-PCB ballasts will be identified as such on the manufacturer’s label. If no label is present, the date code on the back can be used, as all ballasts manufactured after 1979 are Non-PCB. Any unlabeled or undated ballasts must be considered as PCB containing.

The Project Manager, General Contractor or Facilities Trade Supervisor must ensure University approved vendor is provided with the following:

- Purchase Order
- Request for pickup

Note: The use of alternate vendor requires pre-approval by REHS. Alternate vendors are required to provide waste shipping documentation to REHS for NJDEP regulatory reporting purposes.

Consumer Electronics (i.e. any item containing a circuit board)

Prior to vacating the area, the resident University Department must coordinate the removal of consumer electronics with the Material & Logistical Services Department, utilizing their procedure found at [http://material.rutgers.edu/surpluspickup.php](http://material.rutgers.edu/surpluspickup.php). If items are found after the department vacates the area, the Project Manager may choose to contact the department in an effort to have them address the abandoned consumer electronics.

If additional consumer electronics are identified during the project, the Project Manager will coordinate the removal of these items with the Material & Logistical Services Department, utilizing their procedure found at [http://material.rutgers.edu/surpluspickup.php](http://material.rutgers.edu/surpluspickup.php).

Refrigerant Containing Equipment

The General Contractor or Facilities Trade Supervisor will arrange for refrigerant to be evacuated from air conditioners, refrigerators, freezers, etc. by a certified refrigerant technician (Sub-Contractor or In-house Facilities Trade).

Note: When a contracted service is utilized, documentation of the refrigerant removed must be provided to REHS.
The following suggested language can be used in Requests for Proposals (RFP’s) related to renovations and demolition projects.

All lamps/bulbs regulated as Universal Waste by the NJDEP and lighting ballasts must be removed from fixtures, properly packaged/labeled and disposed of through the University Approved Vendor AERC. (An alternate vendor may be utilized with pre-approval from REHS. Alternate pre-approved vendors must provide REHS with disposal documentation.) Examples of common universal waste lamps include, but are not limited to, fluorescent, high intensity discharge, neon, mercury vapor, high pressure sodium, and metal halide lamps. Labels can be obtained from Rutgers Environmental Health & Safety (REHS). Appropriate containers must be obtained from AERC prior to the commencement of work (typically fiber tubes are used for bulbs & 55-gallon open-head drums are used for lighting ballasts). AERC Contact information is as follows:

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