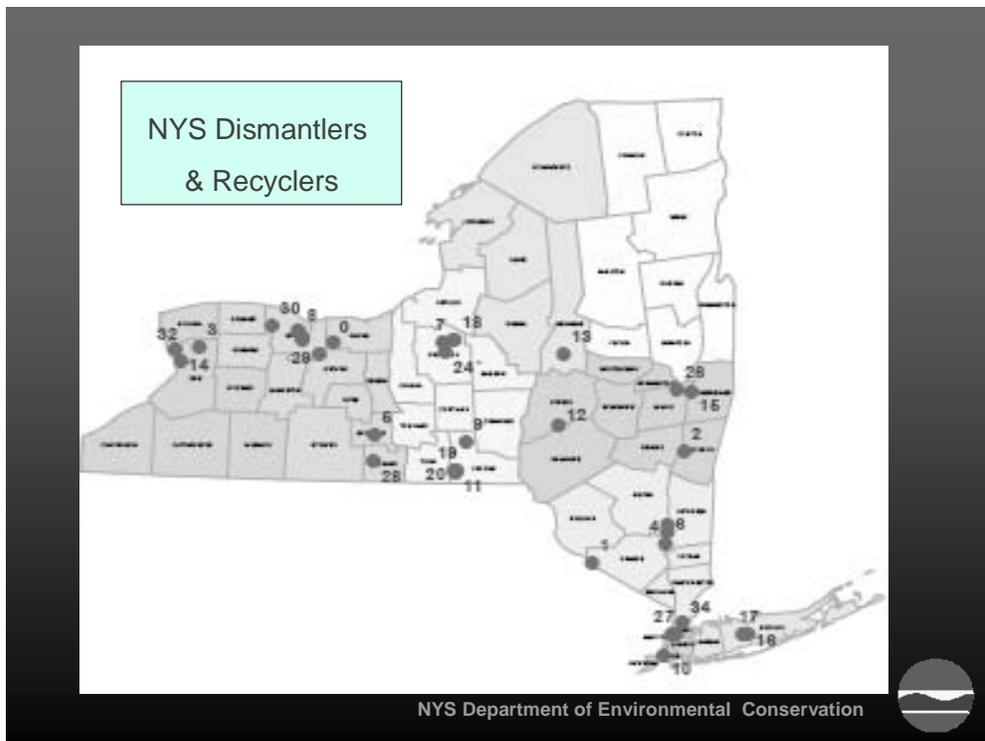


Standards for Dismantlers & Recyclers Dismantlers & Recyclers

- Physically handle used electronics – receive, store, possibly process
- May make reuse/recycle decisions for individual units or groups of units
- Minimal processes include segregating, sorting, securing data
- Additional requirements for additional processes, as needed (e.g., temperature control for CRT processing)



Current Regulations

- (1) File dismantler/recycler c7 notification
- (2) Scrap metal will be recovered
- (3) Appropriately handle any resulting hazardous waste
- (4) Possible solid waste permit, registration;
- (5) Annual waste fluid report (360-12);
- (6) Meet applicable Federal export requirements

Other Requirements

- Cannot store in lieu of disposal
- Must meet local codes
- Used electronics must be recycled
- Failure to meet requirements can lead to enforcement of full hazardous and solid waste regulations

Why Adopt New Standards?

Standards for Dismantlers and Recyclers

- Originally Pre-proposal 6 NYCRR 361-7; may be placed in new 6 NYCRR 374-5
(http://www.dec.ny.gov/docs/materials_minerals_pdf/361.pdf)
- Includes Permit-by-Rule standards such as:
 - Recycle
 - Protect from weather, aisle space
 - Storage time limits
 - Control entry
 - Employee training
 - Recordkeeping and reporting
 - Surety

Dismantlers/Recyclers

- 1. CRT Rule Provisions**
- 2. Permit-by-Rule**
- 3. C7 notification, recover scrap metal**
- 4. Storage to protect from weather; aisle space, control entry**
- 5. Require removal within 180 days of acceptance, or prohibit speculative accumulation**
- 6. Remove non-electronic waste (packaging) within 30 days unless permit under 361-1**
- 7. Employee training*
- 8. Recordkeeping – daily records*
- 9. Annual report, including a summary of daily records*
- 10. Downstream auditing*
- 11. Disposal: Hazardous waste determination*
- 12. Surety*

Permit-by-Rule

Facility is deemed to have a solid waste management facility permit, and no application for such permit shall be required for as long as the owner or operator of that facility complies with the design, operating, closure, and financial assurance conditions pertaining to that type of permit by rule facility.

Permit by Rule: New Facilities

- Before commencement of operations at a permit by rule facility, the owner or operator must notify the Department on a form the Department shall prescribe
- and receive from the Department an acknowledgment of receipt of the form

Permit by Rule: Existing Facilities

- 180 calendar days after the effective date of this Subpart, comply with the requirements to notify the Department of the existence of the facility and,
- Starting 90 days after the effective date, comply with the operation, closure, and post-closure requirements set forth in Part 360 and in this Subpart.

Site-Specific Permit can be required:

- Sole discretion of NYSDEC
- More likely if more explicit standards needed due to operations/materials handled significantly different than typical used electronics, or if non-compliance shows need for more explicit standards

C(7) notification

- Currently required
- Document that scrap metal is recycled
- Dismantlers & Recyclers identify downstream vendors through ultimate smelter
- Basis for hazardous waste exemption

Storage

- Storage to protect from weather:
“collected electronics must be securely kept in containers, on vehicles, or indoors (protected from weather)”
- Adequate aisle space for emergency & fire protection:
“the facility must maintain aisle space to allow the unobstructed movement of personnel, fire protection or suppression equipment, and decontamination equipment to any area of facility operation in an emergency”

Control Entry

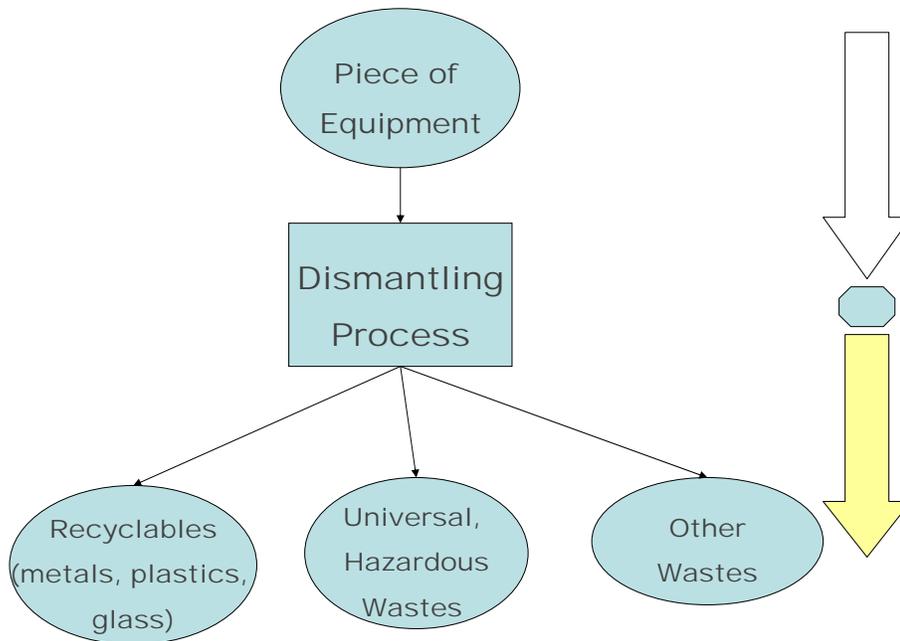
- Control entry
“the facility must have a means to control entry, at all times, through gates or other entrances to the active portion of the facility”

Accumulation Time

- Require removal or processing within 180 days of acceptance; or prohibit speculative accumulation
- Need speculative accumulation requirement for CRTs
- Presumes some sort of recordkeeping or labeling to document compliance

Accumulation Time

- Time required to remove materials and wastes resulting from dismantling, recycling.



Packaging waste

- Remove non-electronic waste (packaging) within 30 days unless the facility is permitted under 361-1

Comments?

- Permit-by-Rule
- Storage to protect from weather; aisle space, control entry
- Require removal within 180 days of acceptance, or prohibit speculative accumulation
- Remove non-electronic waste (packaging) within 30 days unless permit under 361-1
- Remove residues and materials resulting from dismantling

Employee training

- Operator provides training to all employees:
“The facility operator must provide for **training of new employees**, and refresher training at least once per year on the proper management of used electronics to employees involved in handling used electronics. This training is in addition to any other employee training that is required by federal or State law or regulation.”

Recordkeeping & Reporting

- Recordkeeping – daily records
- Labeling – date received
- Annual report, including a summary of daily records
- Downstream auditing

Closure

- The owner or operator of a solid waste management facility must:
- (a) notify the Department in writing at least 180 days before the anticipated date of termination of use of the solid waste management facility of that date. For permitted facilities, that written notification must include a copy of the facility’s closure plan that identifies the steps necessary to ensure full compliance with this section’s requirements;
- (b) unless otherwise approved by the Department, cease receipt of solid waste at least 30 days before the anticipated date of termination of use of the solid waste management facility;
- (c) within 30 days after receiving the final quantity of waste, remove and properly dispose of all solid waste;
- (d) complete all closure activities within 90 days of such date;

- (e) decontaminate all equipment and structures involved in any aspect of solid waste management in a manner acceptable to the Department; and
- (f) for permitted facilities, submit to the Department, when closure is completed, a written certification prepared, signed, and sealed by a professional engineer that the facility has been closed in compliance with the Department-approved closure plan.

Surety

- Financial mechanism
- Standard requirement for transporters and many solid and hazardous waste facilities
- Ensures money is available at closure

Non-recycled Materials

- Disposal: Hazardous waste determination and handle accordingly

Comments?

- Employee training
- Recordkeeping – daily records
- Annual report, including a summary of daily records
- Downstream auditing
- Surety