

CRT Registration Fact Sheet



SOLID WASTE SECTION



Background

Cathode ray tubes, or CRTs, are the video display components of televisions and computer monitors. The glass in CRTs typically contains enough lead to require managing it as a hazardous waste under certain circumstances.

Easier Recycling/Collection of Cathode Ray Tubes

By streamlining the management of CRTs, the EPA made it easier to collect and recycle CRTs. Safely recycling CRTs saves energy and conserves resources, allows recovered lead to be reused in other ways, and reduces the amount of lead and other metals in landfills.

Changes to CRT collection program

Previously, facilities in Iowa that collected CRTs needed a permit from the department. Effective July 1, 2010, permits are no longer required and instead, a CRT collection facility must register with the department. Existing permitted CRT collection facilities will be automatically registered by the department. The purpose of the change is to promote convenient CRT recycling without compromising protection of the environment. The program defines collectors as entities that receive or collect CRTs from the public on an ongoing basis, and arrange for the delivery of those CRTs to a recycler. Collectors of CRT waste from Iowa covered entities are required to enroll in the CRT Registration Program. This does not include short term collection events.

What if a CRT collection facility is located at a Transfer Station or Landfill?

The permit provision within the host facility permit that authorizes CRT collection will be amended accordingly at the next time of permit renewal. The facility will be automatically registered as a CRT collection facility by the department.

What is the Departments Responsibility?

The department will keep a list of the registered facilities online to provide the general public CRT collection locations. It will be up to the registered facilities to maintain the correct information on the registration website.

What about CRT Recycling permits?

CRT recycling facilities still require a permit and must follow the rules in IAC 567 chapter 122. Permits will need to be renewed on a 5 year basis.

What if a Retailer/ big box store wishes to collect CRTs?

They must register each location in Iowa that will be a collection point. This is to assist the public on recycling options in their area.

Definitions:

CRT collection: means any activity by a CRT recycling facility or collection facility involving the collection of discarded CRTs

CRT device: means any device that contains a CRT. Examples include, but are not limited to, computer monitors, televisions, some cash registers, and oscilloscopes.

CRT processing: means any activity that processes discarded CRTs into raw materials.

CRT recycling: means any process by which discarded CRTs or electronic materials that would otherwise become waste are collected, processed and returned to use in the form of raw materials or products. CRT recycling includes, but is not limited to, CRT demanufacturing, CRT processing, and CRT refurbishing.

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More Information

More definitions can be viewed at www.iowadnr.gov/waste/recycling/ewaste.html.

CRT collection and storage requirements for registered collection points.

- CRT storage at a registered collection site shall be limited to 48 Gaylord boxes or the equivalent containing no more than 2,000 CRTs
- A CRT shall not be stored at a registered collection point for more than one year.
- All CRT's shall be stored in a building, shipping container, or enclosed vehicle that provides protection from the elements.
- Access to the CRT storage area shall be secured during non-business hours.
- The CRT storage area shall be free of other solid waste, other than in designated storage areas, except for incidental amounts of solid waste that are not discarded CRT's.
- Containers or packages shall be labeled and transported in compliance with state and federal Department of Transportation (DOT) rules.
- Any container holding CRT's shall be clearly labeled with the contents of the container and the date the first CRT was placed in the container.
- The CRT collection facility shall maintain the following records on site for a minimum of three years.
 - The total amount of CRT received in a calendar year
 - The total amount of CRTs shipped for recycling or reuse in a calendar year
 - All shipping papers, manifests, and bills of lading for CRTs shipped from the facility.
- The registrant must annually provide information to all employees who handle or have responsibility for managing discarded CRTs. The information shall describe proper handling, safety, and emergency procedures appropriate to discarded CRTs. A training log shall be maintained on site by the registrant and contain the following information.
 - A copy of the information provided to the employees.
 - The names of the employees that received the information
 - Date the training was provided to the employee

How to Register

A CRT collection facility shall register with the department using form 542-0060, which is located at www.iowadnr.gov/waste/recycling/ewaste.html.