

## Chapter DHS 157

### APPENDIX G

#### Requirements for Transfer of Low-level Radioactive Waste for Disposal at Land Disposal Facilities and Manifests

##### Section I. — Manifest.

The shipment manifest shall contain the name, address and telephone number of the person generating the waste. The manifest shall also include the name, address and telephone number or the name and the Environmental Protection Department hazardous waste identification number of the person transporting the waste to the land disposal facility. The manifest shall also indicate: a physical description of the waste, the volume, radionuclide identity and quantity, the total radioactivity and the principal chemical form. The solidification agent shall be specified. Waste containing more than 0.1 percent chelating agents by weight shall be identified and the weight percentage of the chelating agent estimated. Wastes classified as Class A, Class B or Class C in Section I of Appendix H shall be clearly identified as such in the manifest. The total quantity of the radionuclides hydrogen-3, carbon-14, technetium-99, and iodine-129 shall be shown. The manifest required by this paragraph may be shipping papers used to meet the Department of Transportation or the Environmental Protection Department regulations or requirements of the receiver, provided all the required information is included. Copies of manifests required by this section may be legible carbon copies or legible photocopies.

##### Section II. — Certification.

The waste generator shall include in the shipment manifest a certification that the transported materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the department. An authorized representative of the waste generator shall sign and date the manifest.

##### Section III. — Control and Tracking.

- (a) Any radioactive waste generator who transfers radioactive waste to a land disposal facility or a licensed waste collector shall comply with the requirements in (a) (1) through (8). Any radioactive waste generator who transfers waste to a licensed waste processor who treats or repackages waste shall comply with the requirements of (a) (4) through (8). A licensee shall:
  - (1) Prepare all wastes so that the waste is classified according to Section I of Appendix H and meets the waste characteristics requirements in Section II of Appendix H;
  - (2) Label each package of waste to identify whether it is Class A waste, Class B waste, Class C waste or greater than Class C waste under Section I of Appendix H;
  - (3) Conduct a quality control program to ensure compliance with Section I and II of Appendix H; the program shall include management evaluation of audits;
  - (4) Prepare shipping manifests to meet the requirements of Section I and II;
  - (5) Forward a copy of the manifest to the intended recipient, at the time of shipment, or deliver to a collector at the time the waste is collected, obtaining acknowledgment of receipt in the form of a signed copy of the manifest or equivalent documentation from the collector;
  - (6) Include one copy of the manifest with the shipment;
  - (7) Retain a copy of the manifest and documentation of acknowledgment of receipt as the record of transfer of licensed material as required by s. DHS 157.13 (15); and

- (8) For any shipments or any portion of a shipment for which acknowledgment of receipt has not been received within the times set forth in this section, conduct an investigation under Section III (e).
- (b) Any waste collector licensee who handles only prepackaged waste shall:
- (1) Acknowledge receipt of the waste from the generator within 1 week of receipt by returning a signed copy of the manifest or equivalent documentation;
  - (2) Prepare a new manifest to reflect consolidated shipments; the new manifest shall serve as a listing or index for the detailed generator manifests. Copies of the generator manifests shall be a part of the new manifest. The waste collector may prepare a new manifest without attaching the generator manifests, provided the new manifest contains for each package the information specified in Section I. The collector licensee shall certify that nothing has been done to the waste that would invalidate the generator's certification;
  - (3) Forward a copy of the new manifest to the land disposal facility operator at the time of shipment;
  - (4) Include the new manifest with the shipment to the disposal site;
  - (5) Retain a copy of the manifest and documentation of acknowledgement of receipt as the record of transfer of licensed material as required by s. DHS 157.13 (15) and retain information from generator manifest until the license is terminated and disposition is authorized by the department; and
  - (6) For any shipments or any portion of a shipment for which acknowledgement of receipt is not received within the times set forth in this section, conduct an investigation under Section III (e).
- (c) Any licensed waste processor who treats or repackages wastes shall:
- (1) Acknowledge receipt of the waste from the generator within 1 week of receipt by returning a signed copy of the manifest or equivalent documentation;
  - (2) Prepare a new manifest that meets the requirements of Section I and II. Preparation of the new manifest reflects that the processor is responsible for the waste;
  - (3) Prepare all wastes so that the waste is classified according to Section I of Appendix H and meets the waste characteristics requirements in Section II of Appendix H;
  - (4) Label each package of waste to identify whether it is Class A waste, Class B waste or Class C waste, under Section I and III of Appendix H;
  - (5) Conduct a quality control program to ensure compliance with Section I and II of Appendix H. The program shall include management evaluation of audits;
  - (6) Forward a copy of the new manifest to the disposal site operator or waste collector at the time of shipment, or deliver to a collector at the time the waste is collected, obtaining acknowledgement of receipt in the form of a signed copy of the manifest or equivalent documentation by the collector;
  - (7) Include the new manifest with the shipment;
  - (8) Retain copies of original manifests and new manifests and documentation of acknowledgement of receipt as the record of transfer of licensed material required by s. DHS 157.13 (15);
  - (9) For any shipment or portion of a shipment for which acknowledgement is not received within the times set forth in this section, conduct an investigation under Section III (e).
- (d) The land disposal facility operator shall:
- (1) Acknowledge receipt of the waste within 1 week of receipt by returning a signed copy of the manifest

or equivalent documentation to the shipper. The shipper to be notified is the licensee who last possessed the waste and transferred the waste to the operator. The returned copy of the manifest or equivalent documentation shall indicate any discrepancies between materials listed on the manifest and materials received;

- (2) Maintain copies of all completed manifests or equivalent documentation until license termination;
  - (3) Notify the shipper, that is, the generator, the collector, or processor, and the department when any shipment or portion of a shipment has not arrived within 60 days after the advance manifest was received unless notified by the shipper that the shipment has been cancelled.
- (e) Any shipment or portion of a shipment for which acknowledgement is not received within the times set forth in this section shall:
- (1) Be investigated by the shipper if the shipper has not received notification or receipt within 20 days after transfer;
  - (2) Be traced and reported to the generator. The investigation shall include tracing the shipment and filing a report with the department. Each shipper who conducts a trace investigation shall file a written report with the department within 2 weeks of completion of the investigation.