

RESPONSE 29

2.0 GENERAL FACILITY DESIGN

2.1 Facility Access and Control—§330.63(b)(1)

In order to prevent the entry of livestock, to protect the public from exposure to potential health and safety hazards, and to discourage unauthorized entry or uncontrolled disposal of solid waste or prohibited materials at the facility, a combination of chain-link fence and/or a minimum of three-strand barbed wire fence or a steel fence along all boundaries will protect the site perimeter. The fence is slightly inside the permit boundary in the southwest corner of the site; there is no waste disposal or processing activities existing or proposed in the southwest corner. Fencing east of the site entrance is provided by an adjacent electrical facility. The land between the permit boundary and the fence line is owned by the electrical utility company; therefore, the existing fence east of the site entrance will provide proper access control. The perimeter fencing and entrance gate will be inspected once each month for integrity. Maintenance will be performed as needed to correct normal wear and tear. Site personnel or a contractor will perform repairs as applicable. If a total breach of the fencing is detected, a temporary or permanent repair will be made within 24 hours of detection. The Site Manager will notify the TCEQ regional office of the fencing breach within 24 hours of detection if a repair cannot be completed within 8 hours of detection.

Access to the Temple Recycling and Disposal Facility is provided via Loop 363 (H.K. Dogden Loop), Avenue H, and Little Flock Road. Vehicles entering the site from the north or south via Loop 363 currently exit at Little Flock Road and proceed east until turning right (south) into the site on Landfill Road. Vehicles entering the site from the west via Avenue H travel over Loop 363, where Avenue H becomes Little Flock Road, and turn right into the site on Landfill Road.

Loop 363 and Little Flock Road are two-lane asphalt-paved roadways. Avenue H is a four-lane asphalt-paved roadway, with a grass-lined median. Avenue H becomes a two-lane roadway approximately 650 feet west of the Loop 363 overpass.

The entrance road to the facility is approximately 30-feet wide. Access control to the site is provided by a combination of fencing around the perimeter of the facility and a gated entrance. The entrance gate is designed to provide complete access restriction when the site is not open, yet allow adequate space for vehicles to enter when the facility is open.

Landfill users will be required to stop at the gatehouse and conduct appropriate business transactions prior to proceeding to the disposal area(s). Unauthorized vehicles will not be allowed to proceed past the gatehouse. At this point, the vehicles are screened for waste type, as necessary. If a load is identified or suspected of containing any prohibited waste, the prohibited waste procedures in Section 4.2 of Part IV, the Site Operating Plan, will be followed.

Within the facility, signs will be placed along the haul road and access road at appropriate locations to instruct users where disposal areas are and which roads are to be used. Signs with directional arrows and portable traffic barricades will help to direct traffic to designated disposal locations. Signs will be placed along the access route to the current disposal area or other designated disposal areas that may be established. Roads not being used for access to disposal may be blocked or otherwise marked for no access.

The weight (or volume) of all vehicles will be recorded upon entering the site. Records of such weights (or volumes) will be kept for a period of 3 years and made available to the TCEQ upon request.

2.2 Waste Movement--§330.63(b)(2)

Part III, Attachment 1, Figure III-1-1, Waste Movement Flow Diagram, is a flow diagram that indicates the storage, processing, and disposal sequences for the various wastes received at the facility. Part III, Attachment 1, Figure III-1-2, Schematic View of Various Waste Disposal, Processing, and Storage Areas, provides a schematic view of the phases of collection, separation, processing, and disposal for the various wastes received at the facility.

The potential sources of odor at the facility have been identified and a plan has been developed to address these sources. The Odor Management Plan for the facility is included as Section 4.14.1 in Part IV, Site Operating Plan.

As shown on Part III, Attachment 1, Figure III-1-2, the facility has various storage and processing areas. These areas include:

- Citizen collection station
- Whole tire staging area
- ~~Reusable~~ Recyclable materials staging area
- Large item salvage and white goods staging area (only non-chlorinated fluorocarbon [non-CFC] containing white goods are accepted for disposal)
- Liquid waste stabilization (processing) area
- Leachate storage/evaporation ponds

A description of each of these areas, including a discussion of generalized construction details, follows.

2.2.1 Citizen Collection Station

The City of Temple operates a citizen collection station located southwest of the Temple Recycling and Disposal Facility scale house. Citizens and other small loads are diverted to the separate citizen collection center. Construction details of the Ceitizen Ceollection Sstation are included in Part II, Appendix IIIH.