

MODULE A8

TRAFFIC INFORMATION

R 299.9508(1)/R 299.9504

40 CFR 270.14(b)(10)

A8.A TRAFFIC PATTERNS

A8.A(1) Traffic Access

General highway access to the Dow Silicones Corporation (Dow Silicones) Midland Plant Site is via U.S. Route 10, exiting at State Route 47 or South Saginaw Road.

Entrance to the Midland Plant is obtained at the North or South gates on South Saginaw Road, and the Salzburg Road gate which is designated for truck traffic. A Traffic Access Map is located at the end of this section. Within the plant site vehicular traffic moves on a grid of roadways paved with bituminous asphalt or concrete. East-west roads within the Plant Site are identified by numbers "2" through "5"; north-south roads by letters "A" through "F".

The tank and container storage areas of the licensed hazardous waste facility are located in the 800 Block, with the landfill in the 1000 Block. There is no direct access to the licensed facility from public roadways without first passing through one of the guarded gates to the plant site.

A8.A (2) Volume of Vehicles

Passenger vehicles, forklifts, and cargo hauling vehicles ranging in size from pickup trucks to tractor-trailer rigs access the 800 and 1000 block licensed facility areas. Vehicles are owned by Dow Silicones, facility personnel, waste transporters, and/or contractors.

Average daily traffic volume in the 800 Block area consists of 20 passenger vehicles and nine semi-tractor trucks; in the 1000 Block landfill area average daily traffic flow is 15 vehicles, primarily dump trucks and pickup trucks. Traffic in both areas also includes three industrial forklift trucks operated by the licensed facility.

A8.A(3) Traffic Control

Traffic control into and out of the site occurs through gates that are monitored by Emergency Services & Security personnel. Each gate is monitored by a security guard during operational hours, and people entering the site are required to show identification and present their I.D. badge to the electronic badge reader in order to gain access.

Control of traffic flow is obtained by means of standard traffic "STOP" signs or, in a few cases by "YIELD" signs, at roadway intersections, and by speed limit signs posted at various points along the plant roads. Vehicle speed limits within the Midland plant site and licensed facility are determined and enforced by company policy and are based on traffic volume and other safety considerations as determined by Emergency Services & Security personnel.

A8.A(4) Road Construction

Main roads, side roads and parking lots are paved with three inches of bituminous asphalt on a base consisting of eight inches of crushed stone over 12 inches of compacted sand, and are designed for maximum load bearing capacity of 29,000 pounds per axle. Main roads within Midland plant are a minimum of 22 feet in width, and side roads are a minimum of 12 feet in width. No vehicles using these roads exceed the maximum axle load of 29,000 pounds.

A8.A(5) Railroad Transfer

Dow Silicones Corporation receives raw materials via rail car. Occasionally loads of hazardous materials are also transferred via rail for off-site disposal.

Traffic Access Map

