

Table 2-32: Existing Mobile Source Emissions in Dallas County (tons per year)

Pollutant	Mode of Travel	Annual Emissions	Percent
CO	Highway Vehicles	397,183	99.7%
	Rail	63.7	0%
	Air	1,500	0.3%
Totals		487,252	100%
NOx	Highway Vehicles	53,902	98.3%
	Rail	639	1.7%
	Air	498	0%
Totals		55,039	100%
VOCs	Highway Vehicles	36,978	99.7%
	Rail	26.2	0%
	Air	124	0.3%
Totals		37,128	100%

Source: EPA Airsdatan, 2001 and 2006

2.9.4 Air Toxics

Under the CAA, 188 air toxics or hazardous air pollutants were identified as pollutants that are known or suspected to cause cancer or other serious health effects, such as reproductive effects or birth defects, or adverse environmental effects. Under Section 202 of the CAA, the EPA issued a final rule for Controlling Emissions of Hazardous Air Pollutants from Mobile Sources (66 FR 17235) on March 9, 2001. This rule identifies 21 Mobile Source Air Toxics (MSAT) labeled as the six priority MSATs. These include benzene, formaldehyde, acetaldehyde, diesel particulate matter/diesel exhaust organic gases, acrolein, and 1,3-butadiene. MSAT emissions should be qualitatively and quantitatively analyzed for transportation projects that may have meaningful, low potential, or high potential MSAT effects.

2.10 Hazardous and Regulated Materials

This section presents findings related to existing hazardous and regulated materials sites in the DART Rail to Rowlett Study Area. A database search was performed using American Society for Testing and Materials standards for databases and search distances, in order to identify locations where hazardous or regulated materials were sold, stored, used, generated, or had been spilled. The database search noted 169 sites containing hazardous and/or regulated substance. Three State sites were identified greater than a half-mile from the proposed DART Rail to Rowlett Alignment. However, they are not included in the analysis because, according to the database notation, the sites were investigated and the clean up was completed. The remaining 166 sites were all within a half mile-radius of the proposed DART Rail to Rowlett Alignment. Therefore, the analysis in Section 3.12 only considers a half-mile buffer.

A summary of the primary state and federal databases that were searched is provided below:

- **National Priority List (NPL):** This database lists NPL sites that fall under the EPA's Superfund program established to fund cleanup of contaminated sites that pose a risk to human health and the environment. This database was searched to a 1-mile radius from the proposed centerline; no sites were discovered.



- **Comprehensive Environmental Response Compensation and Liability Information System database (CERCLIS):** Maintained by the EPA, this database contains an extract of sites nationally identified as hazardous and which have been investigated or are in the process of investigation. This database was searched to ½-mile; one site was discovered.
- **No Further Remedial Action Planned (NFRAP):** This database lists sites that have removed from CERCLIS, following initial investigation. Either no contamination was found, or the contamination was not serious enough to warrant federal Superfund action or NPL consideration. This database was searched to ½-mile; four sites were found.
- **Resource Conservation and Recovery Information System’s Treatment, Storage, and Disposal facilities (RCRA TSD):** This EPA database lists all sites that are permitted to generate, store, transport, treat, or dispose of hazardous waste. This database is searched to ½-mile; two sites were discovered.
- **Resource Conservation and Recovery Information System’s Corrective Action sites (RCRA COR):** The EPA maintains this database, which lists those sites for which a corrective action order has been issued, in response to a release of hazardous waste or constituents from a RCRA TSD facility. This database was searched to 1-mile; one site was found.
- **Resource Conservation and Recovery Information System’s Generators and Transporters (RCRA GEN):** This database identifies and tracks hazardous waste from the point of generation to the point of disposal. This database was searched to ½-mile; 58 sites were found.
- **Emergency Response Notification System (ERNS):** This is a database of spills reported to the National Response Center. This database was searched to ½-mile; six sites were discovered.
- **State Sites:** This database is a state-maintained version of the ERNS, and many of the sites found in this database will also be listed in the ERNS. This database is searched to a 1-mile radius from the proposed centerline; no sites were found.
- **Solid Waste Landfill (SWL):** Maintained by the TCEQ, this list includes all permitted solid waste landfills, transfer stations, and incinerators. This database was searched to ½-mile; two sites were found.
- **Texas Industrial Hazardous Waste Notice of Registration (labeled “other” in database search):** All information submitted to the TCEQ by industrial and hazardous waste transporters, receivers, generators, and one-time shippers is included in this database. This database was searched to ½-mile; 80 sites were discovered.
- **Underground Storage Tank (UST) and Aboveground Storage Tank (AST):** The TCEQ maintains this list of all registered USTs and ASTs. These databases were searched to ½-mile; 72 sites were found.
- **LUST:** This database, maintained by the TCEQ, was searched to ½-mile; 34 sites were discovered.
- **Brownfield:** The TCEQ maintains this list of all former industrial properties that lie dormant or underutilized due to liability associated with real or perceived contamination. This database was searched to ½-mile; three sites were found.

The sites identified within the proposed DART Rail to Rowlett Corridor have the potential to impact construction, based on the type of facility listed, distance from the proposed construction



site, soil types, and surface elevation gradients. Section 3.12 provides an assessment of the potential risk that these sites may pose to the proposed DART Rail to Rowlett, and a map showing the location of selected sites in relation to the DART Rail to Rowlett Alignment. The full database search report, which provides details on each of the sites identified, is on file at DART's main office.

