

3.14 HAZARDOUS/REGULATED MATERIALS

A hazardous material is any substance or mixture of substances capable of having adverse effects on human health and safety or the environment. Hazardous material issues are considered throughout project development to address compliance with NEPA and FTA regulations and guidelines.

3.14.1 Methodology

Hazardous materials located within the ROW or the site of a proposed project can pose health and safety, environmental, liability, and cost concerns. To address these concerns, a preliminary investigation was conducted to identify known sources of contamination within the project study area. The preliminary investigation consisted of reviewing regulatory agency databases (Banks, 2005) and conducting field reconnaissance in order to identify sites with the potential to impact construction activities.

Table 3-39 lists the databases searched and the search distances used based on requirements identified in the American Society for Testing and Materials (ASTM) standards.

3.14.2 Identified Sites

The database search identified 97 mapped listings within the search radii. The listings were associated within 69 facilities or areas of concern, some of which had multiple listings. The location of each of the listings was plotted by Map ID and is presented in **Figure 3-42** and **Figure 3-43**.

The database search report was reviewed and all 69 facilities and areas of concern are listed in **Table 3-40** with a summary of issues related to the listing. The facilities and areas of concern were then classified as high, moderate, or low potential for RECs based on the information provided in the database. Facilities or areas of concern classified as either high or moderate potential were further assessed during the site reconnaissance to determine the potential impact on construction activities associated with the project.

In addition to the results provided in **Figures 3-42** and **3-43**, the database search identified 18 orphan/ unmapped facilities, 17 of which were spill related. Due to insufficient address data, Banks did not map these facilities; however, upon further review, it was determined that ten of the facilities or areas of concern were not located in close proximity to the alignment. There was not sufficient information provided to determine the location of the eight remaining listings.

The Leaking Underground Storage Tank (LUST) database search identified 29 LUST facilities within the search radius and no unmapped LUST facilities within the search radius. The Underground Storage Tank (UST) database search identified 28 mapped UST facilities and one unmapped UST facilities within the search radius. Facilities that currently have USTs in use also have the potential to further impact the environmental integrity of the property due to the possibility of future leaks or spills. The Resource Conservation and Recovery Information System (RCRIS) databases identified 15 Generator facilities (RCRA GEN), one treatment, storage, and disposal facility (RCRA TSD), and one corrective action facility (RCRA COR) within the search radii. The Emergency Response Notification System [ERNS] and State Spills (SPILLS) database search identified five mapped facilities and 17 unmapped facilities within the search radius. The Comprehensive Environmental Response, Compensation, and Liability Information System [CERCLIS] List (SCL) databases identified one mapped facility within the search radius. The CERCLIS No Further Remedial Action (NFRAP) database identified one site. Thirteen State Sites and three Solid Waste Landfills (SWL) were identified with the search radius.



**TABLE 3-39
SUMMARY OF REGISTERED AND NON – REGISTERED FACILITIES**

DATABASE	Search Radius (mile)	No. of Mapped Facilities within Radius	No. of Unmapped Facilities	No. of Unregistered/ Newly Discovered Sites	No. of Facilities of Concern
National Priority List (NPL)	1.0	0	0	0	0
Sites Under Review by US EPA (CERCLIS)	1.0	1	0	0	0
Sites Under Review by US EPA (NFRAP)	1.0	1	0	0	0
RCRA Permitted Treatment, Storage, Disposal Facilities	1.0	1	0	0	1
RCRA COR	0.5	1	0	0	1
RCRA GEN	0.5	15	0	0	0
ERNS	0.25	5	12	3	3
STATE SITES	1.0	13	0	0	5
Spills-1990	0.25	0	5	0	0
SWL	0.5	3	0	0	0
Registered Underground Storage Tanks (UST)	0.25	28	1	0	0
Leaking UST	0.5	29	0	0	2
Total	N/A	97	18	3	12

Source: Banks, 2005

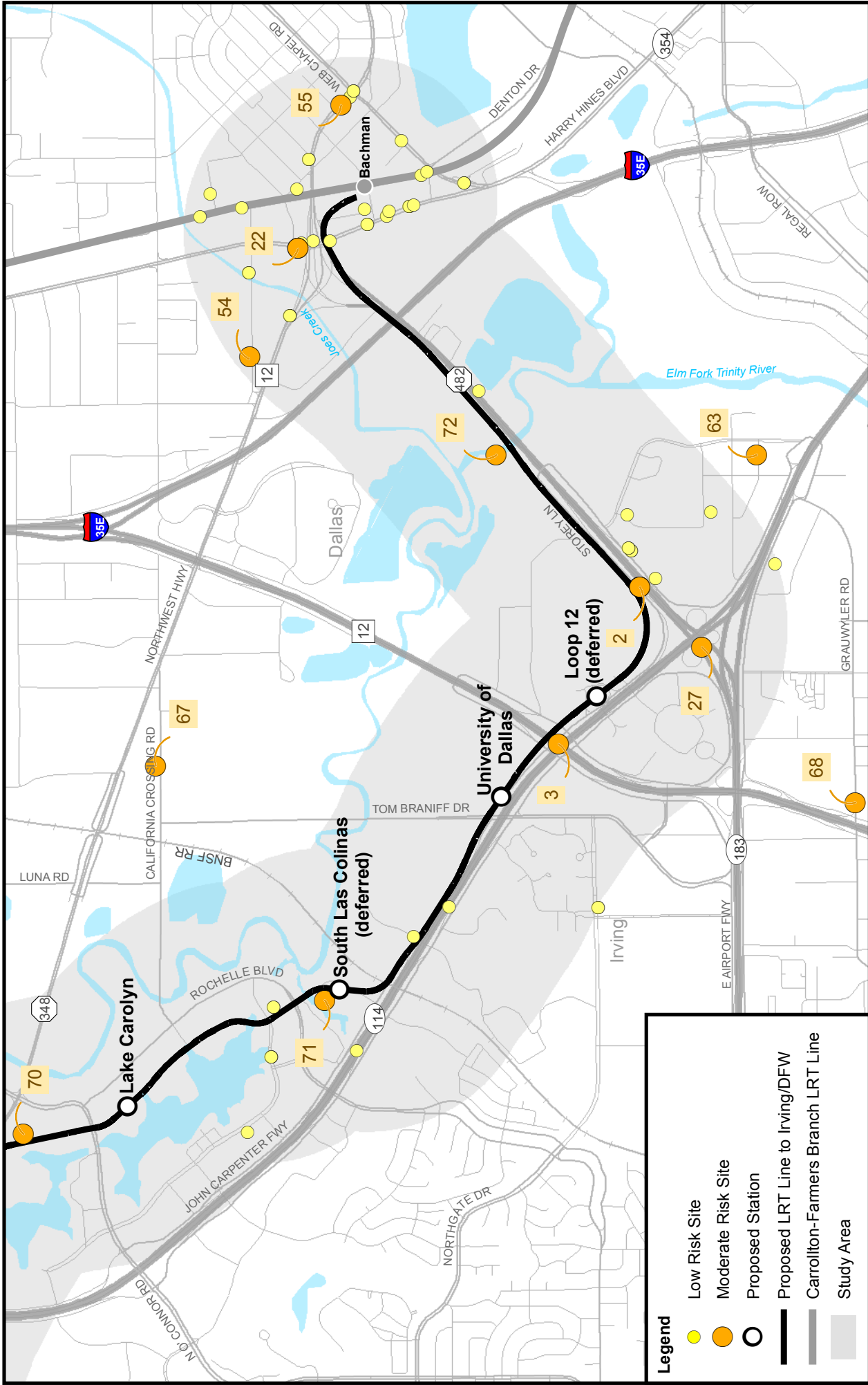
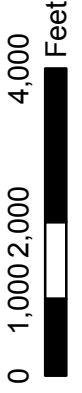


Figure 3-42

Hazardous Material East Section NW Corridor LRT Line to Irving/DFW Environmental Impact Statement

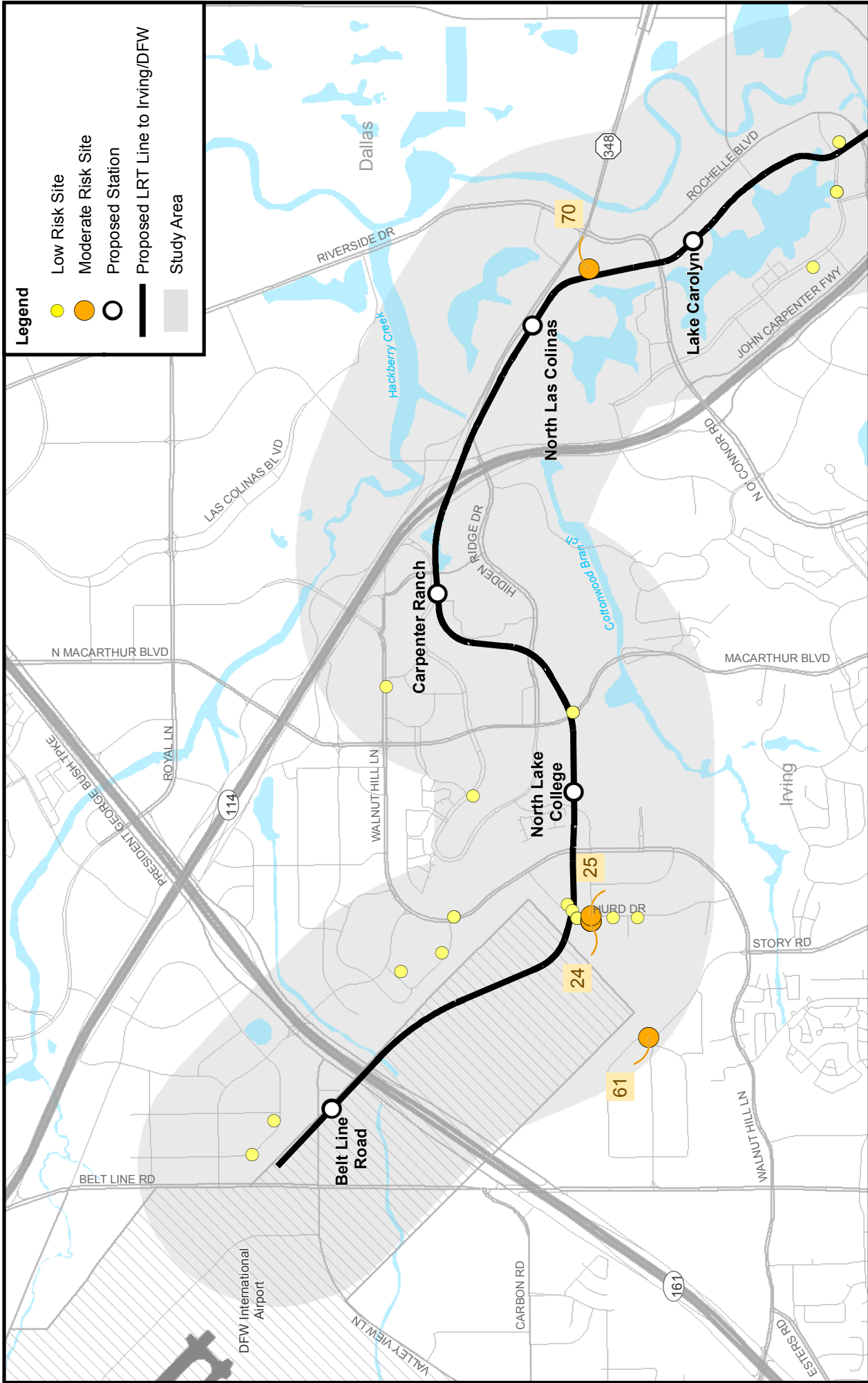


Legend

- Low Risk Site
- Moderate Risk Site
- Proposed Station
- Proposed LRT Line to Irving/DFW
- Carrollton-Farmers Branch LRT Line
- Study Area

Source: Banks, 2005





Legend

- Low Risk Site
- Moderate Risk Site
- Proposed Station
- Proposed LRT Line to Irving/DFW
- Study Area

Figure 3-43

**Hazardous Material
West Section**

NW Corridor LRT Line to Irving/DFW
Environmental Impact Statement



Source: Banks, 2005

Northwest Corridor LRT Line to Irving/DFW





**TABLE 3-40
SUMMARY OF FINDINGS FOR THE REGULATORY DATABASE SEARCH**

Map ID	Distance	Facility Name /Address	Potential Envir. Risk (L, M, H)	Federal					State				Comments
				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste	
Offsite – 1/8 mile													
1		Cistercian Monastery Our Lady Dallas 1 Cistercian Irving, Texas 75039	L								X		UST removed from ground in 1992
2	0.01	2615 Spur 482 Central Freight Lines, Irving Texas	M				X	X					Highway related trichloroethane spill on 11/12/1992 110 gallon tank seam failure, affected land. RCRA – No violations
2	0.01	Swift Leasing 2615 Spur 482#100 Irving, Texas 75062	L				X						No violations
2	0.01	Viking Freight System Dallas Terminal 2615 Spur 482, Irving Texas, 75062	L								X		11 tanks – 8 removed from ground, 3 in use (upgraded).
3	0.01	Artic Express Loop 12 Hwy 114 Overpass, Dallas, Texas	M					X					Highway related diesel spill on 7/15/96. Affected land.



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP		Ind. Haz Waste
4	0.03	Northwest Center 9929 Harry Hines Blvd. Dallas, Texas 75220	L							X			Three tanks both removed from ground
5	0.04	Centennial Express Mart 19 1632 Storey Ln Dallas, Texas 75220	L							X			2 tanks in use – Upgraded
6	0.4	Shell Oil Co. 1230 E. Airport Fwy Irving Texas, 75060	L				X						No violations
7	0.04	Dallas Co. Utility & Reclamation Dis. 3910 Leone Dr, Irving Texas, 75039	L							X			2 tanks removed from ground
7	0.04	Water Transportation Services 3910 Leone Dr, Irving Texas, 75039	L							X			4 tanks removed from ground



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste		Solid Waste Landfill Site	
8	0.05	Northland Lake College 5001 N MacArthur Blvd. Irving, Texas, 75038	L				X				X				RCRA-Conditionally exempt – no violations UST- 3 tanks removed from ground
9	0.05	Pan Western Auto Salesion Co. 9815 Harry Hines, Dallas, Texas, 75220	L							X					3 tanks removed from ground
9	0.05	Texas Western Auto Sales 9815 Harry Hines Blvd. Dallas Texas, 75220	L								X				3 tanks removed from ground
10	0.05	Briggs Corp-Dallas 1730 Hurd Dr. Irving Texas, 75062	L				X								No violations found
11	0.06	AC Green Fence Co.9822 Jamison Dr. Dallas, Texas, 75220	L								X				1 tank removed from ground



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste		Solid Waste Landfill Site
12	0.07	Polychrom Corp. Div. of Sun Chemical 751 Hurd Dr. STE 111 Irving, Texas, 75038	L				X							Conditionally exempt – no violations found
13	0.08	Carmax 3100 Spur 482 Irving Texas, 75062	L				X			X				RCRA-No violations found UST – 1 UST in use (upgraded)
14	0.08	United Rental Aerial Equipment 3120 Spur 482 Irving Texas, 75062	L							X				1 AST in use installed 2001
14	0.08	United Rentals Aerial Gulf 3120 Spur 482 Irving, Texas, 75062	L							X				1 UST in use, installed 1999 (upgraded), 1 AST out of use
15	0.08	Central Refrigerated Service 2614 Spur 482 Irving Texas, 75062	L							X				2 ASTs in use, installed 2004



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste		Solid Waste Landfill Site
16	0.09	Jet Concrete NW Hwy @ Harry Hines, Dallas, Texas, 75220	L								X			AST- 1 out of use
17	0.09	Ed Trucker Distribution 1775 Hurd Dr. Irving, Texas, 75038	L							X	X			LUST-Case Closed, minor soil contamination UST- 1 tank removed from ground
17	0.09	1775 Hurd Drive Irving, Texas	L									X		Soil and Groundwater Affected – Certificate of Completion issued!
18 & 20	0.12	Bright Truck Leasing 9773 Harry Hines Blvd. Dallas, Texas, 75220	L				X				X			UST-1 UST in use, installed 1995 (upgraded) RCRA – no violations
Distance 1/8 – 1/4 – Mile														
19	0.13	My-T-Quick Food Stores 10002 Harry Hines Blvd, Dallas, Texas, 75220	L								X			2 tanks in use (upgraded)
21	0.13	Jordan Paving Co. 3901 Carbon Rd Irving, Texas	L								X			2 tanks removed from ground



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste		Solid Waste Landfill Site	
22	0.14	Friendlys Grocery 10025 Harry Hines Blvd. Dallas Texas	M							X	X				UST-4 tanks in use LUST-Ground water impacted, monitoring, no apparent threats
23	0.14	Boss E.L. Botanical Tech. 240 NW of Spur 482 & Spangler Rd Dallas, Texas	L										X		Proposed Site, permit not been issued
24 & 25	0.14	Teccor Electronics 1801 Hurd Dr. Irving, Texas, 75015	M	X		X					X	X			EPA investigated - Site Archived RCRA- 25 violations recorded, 1 not resolved (LQG) VCP- under investigation, soil and groundwater UST – 2 tanks removed from ground
24	0.14	Littlefuse LP 1801 Hurd Dr. Irving, Texas, 75038	M	X											RCRA – 23 violations recorded
26	0.15	Between 3403 and 2100 Century Circle, Irving, Texas	L					X							Ammonia, Anhydrous spill in 1997 affected land



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste	Solid Waste Landfill Site		
27	0.16	United Petroleum Transportation Hwy 183 and Spur 482 Split, Irving, Texas	M					X							Highway Related, land affected in gasoline spill 10/23/99
28	0.18	Laser Tech Color Inc. 2010 Westbridge Dr., Irving, Texas	L	X											LQG-No violations recorded
29	0.20	Fidelity Investment 6001 Campus Circle, Irving, Texas 75063	L						X						5 tanks in use - Final Concurrence issued, Case Closed
30	0.21	USA Auto Repair 9723 Harry Hines Blvd, Dallas, Texas, 75229	L						X	X					UST-3 tanks removed LUST- final concurrence issued, case closed in 1991
31	0.21	Fire Station 8 650 E.Las Colinas, Irving, Texas 75060	L						X	X					UST-1 UST removed and one closed in place LUST-final concurrence issued, case closed in 2003
32	0.21	Tech Training Crt. 1860 Hurd Dr. Irving, Texas, 75038	L							X					Permanently filled in place in 1992



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP		Ind. Haz Waste
33	0.21	Las Colinas Texaco 1000 W John Carpenter Fwy, Irving, Texas 75039	L							X			4 USTs in use, installed 1986 (upgraded), 1 UST removed from ground
34	0.22	Health South Rehabilitation Institute	L							X			1 tank in use installed 1985 (oil)
35	0.23	Entact Inc. 6025 Commerce STE. 500 Irving, Texas, 75063	L				X						No Violations found
36	0.24	Irving Walnut Hills Central 2150 Westridge Dr. Irving, Texas, 75038	L							X			2 tanks removed from ground, 1 AST in use
37	0.24	Lone Star Mart 2647 W Northwest Hwy Dallas, Texas, 75220	L										2 tanks in use (upgraded)



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP		Ind. Haz Waste	Solid Waste Landfill Site
38	0.24	Valvoline Co. 2425 West NW Hwy Overseas Motors, Dallas, Texas	L					X						Highway related ethanol glycol spill affected land in 2/14/96
38	0.24	Overseas Motors of Dallas 2425 W NW Hwy, Dallas, Texas, 75220	L				X							Conditionally exempt – no violations recorded
38	0.24	Royale Cars 2425 W. Northwest Hwy, Dallas, Texas 75220	L							X				2 tanks in use (upgraded)
39	0.25	Hitachi Semiconductor America Inc. 1505 Walnut Hill Lane, Irving, Texas, 75038	L				X				X			RCRA-No violations found State Site- Final concurrence issued, case closed
Distance 1/4 – 1/2 Mile														
40	0.28	Vista 4020 2745 W Northwest Hwy, Dallas, Texas, 75220	L							X				Final concurrence issued- case closed 1987



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste		Solid Waste Landfill Site
40	0.28	Fina 9411 2745 W Northwest Fwy, Dallas, Texas, 75220	L							X				Final Concurrence – case closed. 3 tanks in use (upgraded)
41	0.29	Stop n Shop former NCS 1818 9709 Denton Drive, Dallas, Texas 75220	L							X				2 tanks removed from ground – Final concurrence issued case closed.
42	0.30	Zale Corp. 901 W Walnut Hill Lane, Irving, Texas, 75038	L							X				2 tanks removed from ground
43 & 44	0.30	Carmax Auto SuperStore E Side of intersect of Hwy 114, 183. and Spur 482, Irving Texas	L										X	Proposed Site – Permit has not been issued
44	0.30	Carmax Auto SuperStore E Side of intersect of Hwy 114, 183. and Spur 482, Irving Texas	L							X				Proposed Site – Permit has not been issued



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste		Solid Waste Landfill Site	
45	0.3	Abbott Diagnostic Div. 1921 Hurd Drive Irving, Texas	L							X					Final concurrence issued – case closed
46	0.31	Hackberry Creek Ranch 700 Meadow Creek, Irving, Texas, 75038	L							X					2 Tanks removed from ground – Final concurrence pending well-plugging documentation
47	0.32	BFI 2617 Willowbrook, Dallas, Texas, 75220	L							X					3 tanks removed from the ground- 1 tank in use (upgraded) Final concurrence – case closed
47	0.32	Oriental Gasket & Packing Co. 2617 Willowbrook Dallas, Texas 75220	L							X					1 tank removed from the ground - Final concurrence issued, case closed
47	0.32	Browning-Ferris Inc. 2617 Willowbrook Rd, Dallas, Texas, 75220	L				X								Transporter - No violations recorded



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste		Solid Waste Landfill Site
48	0.32	Former Five Point Texaco 9701 Denton Dr. Dallas, Texas, 75229	L						X					7 tanks removed from grounds in 1992 – Final concurrence issued – case closed
49	0.34	Bachman West 2530 Webb Chappell, Dallas, Texas, 75220	L						X					2 tanks removed from grounds in 1992 – Final concurrence issued – case closed
50	0.38	Emery Worldwide 3225 Century Cir. Irving, Texas, 75062	L						X					4 tanks removed from grounds in 1992 – Final concurrence issued – case closed
51	0.41	Waterway Tower 433 Las Colinas Blvd. East, Irving, Texas	L								X			Closure Letter issued in 2003
52	0.42	DART Northwest Equipment Services 2424 Webb Chapel Extension, Dallas, Texas, 75220	L								X			10 USTs in use (upgraded), 1 permanently filled in place 3 tanks removed from ground – Final concurrence issued – case closed



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste		Solid Waste Landfill Site
53	0.43	Stop n Go 2127 2923 Northwest Hwy, Dallas, Texas, 75220	L						X					3 tanks removed from the ground Final concurrence pending documentation of well plugging
54	0.44	RM Graphics 2537 Willowbro- ok Drive, Dallas, Texas	M								X			Undergoing investigation, groundwater affected by VOCs
55	0.45	711 24580 2890 W Loop 12 Dallas, Texas, 75270	M						X					3 tanks removed from the ground - groundwater impacted – pub/dom water supply well within 0.5mi. – undergoing monitoring
56	0.47	HHC 3D BDE 49 th Army Division 1775 California Crossing, Dallas, Texas, 75220	L						X					2 tanks removed from the ground – final concurrence issued – case closed
57	0.47	Mega Equipment Co. 3230 Carpenter Fwy, Irving, Texas 75062	L						X					3 tanks removed from ground – Final concurrence issued – case closed



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste		Solid Waste Landfill Site
58	0.48	Exxon 63356 3003 Northwest Highway, Dallas, Texas, 75220	L							X				4 tanks removed from ground, 3 in use (upgraded) - Final concurrence issued- case closed
59	0.48	University of Dallas Picric Acid 1845 East Northgate Drive, Irving, Texas 75062	L			X					X			CERCLIS-Cleaned up by removal UST – 3 tanks removed from ground - Final concurrence issued – case closed
60	0.49	American Wine & Importing Co. 2831 Nagle St. Dallas, Texas, 75220	L							X				1 tank removed from ground – final concurrence issued – case closed
61	0.49	Anderson Formal Wear – Quad Center 2910-3010 Skyway Circle North Irving, Texas	M								X			Dry cleaners- conditional Certificate of Completion Chlorinated solvents in soils and groundwater
62	0.5	Delta Metal Products 10340 Denton Drive, Dallas, Texas, 75229	L							X				2 tanks removed from ground, final concurrence issued – case closed



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP		Ind. Haz Waste	Solid Waste Landfill Site
1/2 – 1 mile														
63	0.64	Flint Ink N. America Corporation 3413 Royalty Row, Irving, Texas	M									X		Soils/groundwater affected by VOCs, under investigation
64	0.74	Centennial Plaza NEC of IH-35 and West NW Highway, Dallas, Texas	L									X		Soils/groundwater affected, metals, solvents, TPH. Final Certificate of Completion
65	0.86	Trussway – Dallas 10545 Doric Street. Dallas, Texas	L									X		Groundwater affected by VOCs Final Certificate of Completion
66	0.87	Hickman Painting Company 9755/9759 Brockbank, Dallas, Texas	L									X		Soils/groundwater affected by BTEX/TPH Final Certificate of Completion
67	0.88	White Cap Construction 2015 California Crossing, Dallas, Texas	M									X		Application Phase, VOCs, metals, chlorinated solvents in groundwater.



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				RCRA-TSD	RCRA-COR	CERCLIS - NFRAP	RCRA-GEN	ERNS	LUST	UST	TX VCP	Ind. Haz Waste		Solid Waste Landfill Site
68	0.89	Safety-Kleen System Inc. 2130 E. Grauwylar Rd Irving, Texas	M		X									Corrective action, 6 violations recorded
69	0.94	Aircondex 2674 Freewood, Texas	L								X			Soils/groundwater affected, metals and TPH. Final Certificate of Completion
Site Reconnaissance Sites														
70	-	Southwest of intersection of Riverside Drive Blvd. and Spur 348	M											Soil pile of unknown origin Contains inert debris including cement asbestos pipe
71	-	West side of Teleport Blvd. just south of Rochelle Blvd.	M											Soil pile of unknown origin Contains inert debris
72	-	Elm Fork of the Trinity River, along Spur 482	M											River Sediment typically contain elevated concentrations of metals and poly-aromatic hydrocarbons