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**HRS DOCUMENTATION RECORD**  
for  
**Kingsbury Metal Finishing, Inc.**

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Austin, Texas

**August 15, 2000**

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## **HRS DOCUMENTATION RECORD**

**for**

**Kingsbury Metal Finishing, Inc.  
Kingsbury, Guadalupe County, Texas  
TX0000065615  
SWR#52203**

**Prepared by:**

**Texas Natural Resource  
Conservation Commission  
Austin, Texas**

**October 2000**



**HRS  
DOCUMENTATION  
RECORD**

Kingsbury Metal Finishing Company, Inc.  
Kingsbury, Guadalupe County, Texas  
TX0000065615  
SWR#52203

**October 2000**

Hazard Ranking System

# Documentation Record

Kingsbury Metal Finishing Company, Inc.  
Kingsbury, Guadalupe County, Texas  
TX0000065615  
TNRCC ID# 52203

Prepared by

Texas Natural Resource Conservation Commission  
Site Assessment and Management Section  
Site Discovery and Assessment Program Staff  
Austin, Texas

October 2000

**HRS DOCUMENTATION RECORD**

**KINGSBURY METAL FINISHING COMPANY, INC.**

**KINGSBURY, GUADALUPE COUNTY, TEXAS**

**TX0000065615**

**SWR#52203**

**SIGNATURE PAGE**

\_\_\_\_\_  
Stephanie Pogue

Texas Natural Resource Conservation Commission  
Superfund Site Discovery and Assessment Team  
Project Manager/QA Officer

\_\_\_\_\_  
Date

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Wesley G. Newberry

Texas Natural Resource Conservation Commission  
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Glenda Champagne

Texas Natural Resource Conservation Commission  
Site Assessment and Management Section  
Section Manager

\_\_\_\_\_  
Date

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## HRS DOCUMENTATION RECORD - REVIEW COVER SHEET

**NAME OF SITE:** Kingsbury Metal Finishing Company, Inc.

### **CONTACT PERSON :**

Site Investigation  
and Documentation Record:                      Stephanie Pogue, TNRCC                      (512) 239-5633

**CURRENT SITE OWNER/OPERATOR:** William and Robert Dulin  
Property Owners  
1720 FM 1104  
Route 1, Box 85A  
Kingsbury, Texas 78638

### **PATHWAY OF CONCERN:**

#### **Soil Exposure Pathway**

Releases of hazardous substances to the soil exposure pathway are the major concern for this site. Hazardous substances have been documented in the surface soils of the site.

### **Pathway, Components, or Threats Not Evaluated**

#### **Ground Water Pathway**

The Groundwater Migration Pathway was not scored because the site scored on the Soil Exposure Pathway. There is no observed release for the Groundwater Migration Pathway.

#### **Surface Water Pathway**

The Surface Water Overland/Flood Migration Component, and Ground Water to Surface Water Migration Component, were not scored because the site scored on the Soil Exposure Pathway. There is no observed release for the Surface Water Pathway.

#### **Air Migration Pathway**

The Air Migration Pathway was not scored because the site scored on the Soil Exposure Pathway. There is no observed release for the Air Migration Pathway.

*(Although these pathways have not been evaluated, the TNRCC is concerned for all pathways surrounding the site. However, evaluation of these pathways would not have significantly increased the overall site score.)*

## **NOTES TO READER**

The following rules were used when citing references in the HRS Documentation Record:

1. All references attached to this report have been stamped with a designated page number (example: Ref. 1, p. 10 = 0100010). However, if the reference cited had an original page number, that number is cited.
2. The State predecessor agencies: Texas Water Quality Board (TWQB), Texas Department of Water Resources (TDWR), Texas Water Commission (TWC), and Texas Air Control Board (TACB), referred to throughout this report are now known as the Texas Natural Resource Conservation Commission (TNRCC). The new agency, TNRCC, became effective September 1, 1993, as mandated under State Senate Bill 2 of the 73rd Regular Legislative Session.

## HRS DOCUMENTATION RECORD

**Name of Site:** Kingsbury Metal Finishing Company, Inc.

**Date Prepared:** 10/00

**CERCLIS Site ID Number:** TXD0000065615

**TNRCC ID#:** 52203

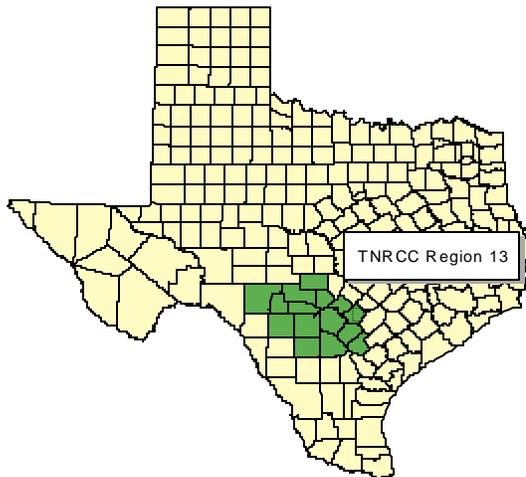
**Street Address of Site:** 1720 FM 1104 (see Figure 1, Site Location Map).

**City, County, State:** Kingsbury, Guadalupe County, Texas

**Topographic Map:** US Geological Survey 7.5 Minute Topographic Map, Kingsbury, Tex. 1976

**Latitude:** 29° 38' 29.42" North

**Longitude:** 97° 48' 55.05" West  
(See Ref. 11, Topographic Map)



### Pathway Scores:

Groundwater Migration Pathway - NE  
Surface Water Migration Pathway - NE  
Soil Exposure Pathway - 21.84  
Air Migration Pathway - NE

NE - Not Evaluated

## **SITE SUMMARY**

The Kingsbury Metal Finishing Company (KMF) consists of approximately 14.94 acres located at 1720 Farm to Market Road 1104, approximately 0.75 mile southeast of Kingsbury, Guadalupe County, Texas (Figure 1). The legal description of the property is included in the warranty deeds and deed of trust (Ref. 5, pp. 1-8). The entrance to the site is at approximately Latitude 29° 38' 29.42" N, Longitude 97° 48' 55.05" W. There is a warning sign at the entrance stating that the property is private property and that there should be no trespassing. Access to the site is prevented by a chain-link style fence with a controlled access (keypad) and an electric slide gate. The remaining three sides of the property are surrounded by barbed wire fencing.

Mr. William Stanton Dulin and Mr. Robert Dulin are the current owners. KMF was a electroplating facility that began business in May 1986. KMF ceased plating operations on March 12, 1997 and is currently inactive (Ref. 8).

The facility was composed of four primary areas: the main processing building, the wastewater treatment area, the discharge area covered with fill and the outdoor storage area. The main process building contains approximately 30 plating process tanks filled with mixed plating waste. The wastewater treatment area contains approximately 7 tanks and 19 drums (Ref. 7,8).

TNRCC regional investigators have documented that the tanks had overflowed into the concrete containment. The containment was filled with wastewater and sludge and the investigators documented that the soils had been impacted from discharges from the containment. In addition, soils located north, south and west of the main processing building had been impacted with plating wastes. KMF excavated the surface soils and stockpiled the soils on-site. The excavated area was backfilled and partially covered with a concrete containment (Ref. 7).

A default order was issued to KMF on August 26, 1996 for violations related to unauthorized discharges of industrial solid and hazardous waste, unauthorized disposal of industrial solid and hazardous wastes at a saltwater injection disposal well, failure to notify of the generation of industrial solid and hazardous waste, failure to conduct hazardous waste determinations, failure to keep records for waste management activities, and storage and treatment of hazardous waste without authorization. These violations were documented during inspections conducted on November 5, 1992, December 17, 1992 and March 17, 1994. The Order required KMF to pay an administrative penalty of \$83,600 and to perform certain technical requirements to remediate existing contamination at the facility (Ref. 8).

An October 26, 1996 record review documented that KMF failed to comply with the terms of the Order.

By letter dated December 10, 1996, the TNRCC requested the Attorney General to represent the TNRCC against KMF to enforce the Order of the Commission and to obtain appropriate relief for violations of the Chapter 26 of the Texas Water Code, the rules of the Commission, and an Order of the Commission.

Three temporary injunctions have been issued to KMF. The third Temporary Injunction ordered KMF and its officers to cover all tanks and containers at the facility; cease disturbing the contents of the tanks and containers; cease disturbing the soils surrounding the main process building; and provide TNRCC and its inspectors access to the facility.

A fully executed Rule 11 Agreement and Property Access Agreement was obtained on March 10, 2000. In addition, the trial that had been scheduled for March 20, 2000 was reset for October 16, 2000. No. 97-01850; State of Texas v. Kingsbury Metal finishing Company, Inc.; 98<sup>th</sup> Judicial District Court, Travis County, Texas (Ref. 10). As of October 6, 2000, the trial that had been scheduled for October 16, 2000 has now been reset for January 8, 2000.

The TNRCC Superfund Site Discovery & Assessment Program conducted an immediate removal that took place from July through September 2000. Immediate removal activities included the removal and disposal of several waste streams generated by the electroplating operations that had taken place at the site. These waste streams included free liquids, sludge, soils, demolished plating tanks and vats, and unused hazardous products. In addition to the waste removal activities, samples of the soils from the residential areas on the site and samples of the concrete from the floors of the former production area were also collected (Ref. 9, 12).

The soil exposure pathway is the pathway of concern due to the proximity of residents to the soil contamination that remains onsite. A map of the site, showing the closest targets is provided in Figure 2.

## REFERENCES

- | <u>Reference Number</u> | <u>Description of the Reference</u>  |
|-------------------------|--|
| 1.                      | U.S. Environmental Protection Agency. <u>Federal Register - 40 CFR Part 300; Hazard Ranking System; Final Rule</u> , Volume 55, No. 241, December 14, 1990. 135 pages.   |
| 2.                      | U.S. Environmental Protection Agency. <u>Hazard Ranking System Guidance Manual</u> , EPA540-R-92-026, OSWER Directive 9345.1-07, November 1992. 431 pages plus Appendix.   |
| 3.                      | U.S. Environmental Protection Agency. <u>Guidance for Performing Site Inspections Under CERCLA</u> , Office of Emergency and Remedial Response, Hazardous Site Evaluation Division, Publication 9345.1-05, September, 1992. 125 pages. |
| 4.                      | U.S. Environmental Protection Agency, Superfund Chemical Data Matrix (SCDM), June 1996.  |
| 5.                      | Deed Records, County of Guadalupe, J. A. Miller Survey A-231, Kingsbury, Texas. 8 pages.   |
| 6.                      | Pogue, Stephanie. Preliminary Assessment Site Reconnaissance Field Log Book. March 21, 2000. 9 pages.  |
| 7.                      | Interoffice Memorandum from Carlos Serna, TNRCC Field Investigator Region 13. Compliance Evaluation Inspection. 38 pages. Excerpt.   |
| 8.                      | Interoffice Memorandum from Susan Johnson, TNRCC Enforcement Coordinator, Enforcement Division. Facility Referral for State Superfund. 3 pages.  |
| 9.                      | IT Corporation, Field Report for Kingsbury Metal Finishing Waste Removal Activities, September 21, 2000. Excerpt.  |
| 10.                     | Correspondence from John C. Wright, TNRCC Attorney to Liz Bills, Assistant Attorney General, Attorney General's Office. Kingsbury Metal Finishing. 13 pages.   |
| 11.                     | U.S.G.S. Topographic Maps. Kingsbury, Texas. Revised 1976.   |
| 12.                     | DHL Analytical Data Packages, Work Order No. 0007008; Work Order No. 0007104; Work Order No. 0007105. 29 Samples. Excerpt.   |

WORKSHEET FOR COMPUTING HRS SITE SCORE

	<u>S</u>	<u>S<sup>2</sup></u>
1. Ground Water Migration Pathway Score ( $S_{gw}$ ) (from Table 3-1, line 13)	<u>NE</u>	
2a. Surface Water Overland/Flood Migration Component (from Table 4-1, line 30)	<u>NE</u>	
2b. Ground Water to Surface Water Migration Component (from Table 4-25, line 28)	<u>NE</u>	
2c. Surface Water Migration Pathway Score ( $S_{sw}$ ) Enter the larger of lines 2a and 2b as the pathway score.	<u>NE</u>	
3. Soil Exposure Pathway Score ( $S_s$ ) (from Table 5-1, line 22)	<u>21.84</u>	<u>476.99</u>
4. Air Migration Pathway Score ( $S_a$ ) (from Table 6-1, line 12)	<u>NE</u>	
5. Total of $S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2$		<u>476.99</u>
6. <b>HRS Site Score</b> Divide the value on line 5 by 4 and take the square root	<u>10.92</u>	

SOIL EXPOSURE PATHWAY SCORESHEET

<u>Factor Categories and Factors</u>	<u>Maximum Value</u>	<u>Value Assigned</u>
RESIDENT POPULATION THREAT		
<u>Likelihood of Exposure</u>		
1. Likelihood of Exposure ( <i>Ref. 9, p.21, Table 4</i> )	550	<u>550</u>
<u>Waste Characteristics</u>		
2. Toxicity ( <i>Ref. 1, Sect. 2.4.1.1; Ref. 4</i> )	a	<u>1.00E+04</u>
3. Hazardous Waste Quantity ( <i>Ref. 1, Sect.2.4.2.1.4</i> )	a	<u>10</u>
4. Waste Characteristics ( <i>Ref. 1, Table 2-7</i> )	100	<u>18</u>
<u>Targets</u>		
5. Resident Individual ( <i>Ref. 1, Sect. 5.1.3.1; Ref. 6, p.10</i> )	50	<u>5.00E+01</u>
6. Resident Population		
6a. Level I Concentrations ( <i>Ref. 4; Ref. 9, p.21, Table 4</i> )	b	<u>1.20E+02</u>
6b. Level II Concentrations ( <i>Ref. 4; Ref. 9, p.21, Table 4</i> )	b	<u>1.2E+01</u>
6c. Resident Population (lines 6a + 6b)	b	<u>1.32E+02</u>
7. Workers	15	—
8. Resources	5	—
9. Terrestrial Sensitive Environments	c	—
10. Targets (lines 5 + 6c + 7 + 8 + 9)	b	<u>1.82E+02</u>
<u>Resident Population Threat Score</u>		
11. Resident Population Threat (lines 1 x 4 x 10)	b	<u>1.8E+06</u>
NEARBY POPULATION THREAT		
<u>Likelihood of Exposure</u>		
12. Attractiveness/Accessibility ( <i>Ref. 1, Table 5-6; Ref. 7, p. 3</i> )	100	<u>5.00E+00</u>
13. Area of Contamination ( <i>Ref. 1, Table 5-7</i> )	100	<u>5.00E+00</u>
14. Likelihood of Exposure ( <i>Ref. 1, Table 5-8</i> )	500	<u>5.00E+00</u>
<u>Waste Characteristics</u>		
15. Toxicity ( <i>Ref. 1, Sect. 2.4.1.1; Ref. 4</i> )	a	<u>1.00E+04</u>
16. Hazardous Waste Quantity ( <i>Ref. 1, Sect.2.4.2.1.4</i> )	a	<u>10</u>
17. Waste Characteristics ( <i>Ref. 1, Table 2-7</i> )	100	<u>18</u>

<u>Factor Categories and Factors</u>	<u>Maximum Value</u>	<u>Value Assigned</u>
NEARBY POPULATION THREAT (Concluded)		
<u>Targets</u>		
18. Nearby Individual ( <i>Ref. 1, Sect. 5.2.3.1</i> )	1	—
19. Population Within 1 Mile ( <i>Ref. 1, Sect. 5.2.3.2</i> )	b	<u>1.00E+00</u>
20. Targets (lines 18 + 19)	b	<u>1.00E+00</u>
<u>Nearby Population Threat Score</u>		
21. Nearby Population Threat (lines 14 x 17 x 20)	b	<u>9.00E+01</u>
<u>SOIL EXPOSURE PATHWAY SCORE</u>		
22. Soil Exposure Pathway Score <sup>d</sup> (S <sub>s</sub> ), (lines [11 + 21]/82,500, subject to a maximum of 100)	100	<u>21.84</u>

<sup>a</sup>Maximum value applies to waste characteristics category.

<sup>b</sup>Maximum value not applicable.

<sup>c</sup>No specific maximum value applies to factor. However, pathway score based solely on terrestrial sensitive environments is limited to maximum of 60.

<sup>d</sup>Do not round to nearest integer.