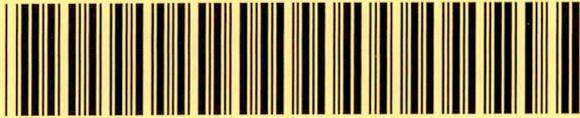


\*589IHSSF1225\*



DocumentID NONCD0002863

Site Name BABY DIAPER SERVICE

DocumentType Ranking (RANK)

RptSegment 1

DocDate 6/15/2009

DocRcvd 6/15/2009

Box SF1225

AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY



INACTIVE SITES RANKING SYSTEM  
SUMMARY SHEET

Site Name: Baby Diaper Service  
 Location: 1819 Spring Garden Street, Greensboro, Guilford County  
 ID Number: NO NCD 000 2863  
 Ranked By: Mindy Lepard Date: 05/22/09  
 Reviewed By: John Walch Date: 06/15/09

Site Description/Comments:

This site contained a business that laundered cotton baby diapers. The diaper laundering business started operating at this site in 1957. Prior to 1957, Amalgamated Chemical Corporation was located at this site. In 2007, TCE and cis-1,2-DCE were discovered in the groundwater as a result of environmental assessment that was conducted for a real estate transaction. Petroleum contaminants were also discovered but have been attributed to a UST removed in 2006.

Route Scores: GW = 48.18 SW = 30.97 A = 0 P = 12.5

Total Score:  $\frac{((48.18)^2 + (30.97)^2 + (0)^2 + (12.5)^2)^{1/2}}{2} = \underline{29.31}$

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I. GROUND WATER ROUTE WORK SHEET

Rating Factor	Assigned Value (Choose One)	Score
---------------	--------------------------------	-------

A. Route Characteristics

- |                           |                     |                                |
|---------------------------|---------------------|--------------------------------|
| 1. Depth to Water Table   | 0 2 4 6 <b>8</b> 10 | <input type="text" value="8"/> |
| 2. Net Precipitation      | 0 <b>1</b> 2 3      | <input type="text" value="1"/> |
| 3. Hydraulic Conductivity | 0 1 <b>2</b> 3      | <input type="text" value="2"/> |
| 4. Physical State         | 0 1 2 <b>3</b>      | <input type="text" value="3"/> |

Total Route Characteristics Score	14
-----------------------------------	----

B. Containment	0 1 2 <b>3</b>	3
----------------	----------------	---

C. Waste Characteristics

- |                             |                          |                                 |
|-----------------------------|--------------------------|---------------------------------|
| 1. Toxicity/Persistence     | 0 3 6 9 <b>12</b> 15 18  | <input type="text" value="12"/> |
| 2. Hazardous Waste Quantity | 0 1 2 3 4 <b>5</b> 6 7 8 | <input type="text" value="5"/>  |

Total Waste Characteristics Score	17
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Ground Water Route of Migration Score

The Ground Water Route of Migration Score is obtained by multiplying lines A, B, and C and dividing this by 14.82 to give a score between 0 and 100.

Total Ground Water Route of Migration Score: 48.18

## II. SURFACE WATER ROUTE WORK SHEET

Rating Factor	Assigned Value (Choose One)	Score
---------------	--------------------------------	-------

**A. Route Characteristics**

1. Facility Slope and Intervening Terrain	0 (1) 2 3	1
2. 1-yr., 24-hour Rainfall	0 (1) 2 3	1
3. Distance to Nearest Surface Water	0 2 (4) 6 8 10	4
4. Physical State	0 1 2 (3)	3

	<b>Total Route Characteristics Score</b>	<b>9</b>
<b>B. Containment</b>	0 1 2 (3)	<b>3</b>

**C. Waste Characteristics**

1. Toxicity/Persistence	0 3 6 9 (12) 15 18	12
2. Hazardous Waste Quantity	0 1 2 3 4 (5) 6 7 8	5

	<b>Total Waste Characteristics Score</b>	<b>17</b>
--	--	-----------

**Surface Water Route of Migration Score**

The Surface Water Route of Migration Score is obtained by multiplying lines A, B, and C and dividing this by 14.82 to give a score between 0 and 100.

Total Surface Water Route of Migration Score: 30.97

### III. AIR ROUTE WORK SHEET

Rating Factor	Assigned Value (Choose One)	Score
---------------	--------------------------------	-------

**A. Waste Characteristics**

1. Reactivity and Incompatibility	0 1 2 3	<input style="width: 80%;" type="text"/>
2. Toxicity	0 3 6 9	<input style="width: 80%;" type="text"/>
3. Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	<input style="width: 80%;" type="text"/>

<b>Total Waste Characteristics Score</b>	<b>0</b>
--	----------

**B. Targets**

1. Population Within a 4-Mile Radius	0 9 12 15 18 21 24 27 30	<input style="width: 80%;" type="text"/>
2. Distance to Sensitive Environment	0 2 4 6	<input style="width: 80%;" type="text"/>
3. Land Use	0 1 2 3	<input style="width: 80%;" type="text"/>

<b>Total Targets Score</b>	<b>0</b>
----------------------------	----------

**Air Route of Migration Score**

The Air Route of Migration Score is obtained by multiplying lines A and B and dividing this by 7.80 to give a score between 0 and 100.

Total Air Route of Migration Score:           0

#### IV. DIRECT CONTACT ROUTE SCORE SHEET

Rating Factor	Assigned Value (Choose One)	Score
---------------	--------------------------------	-------

**A. Residential Population**

1. Toxicity 0 3 6 9

2. Targets

a) High Risk Population  
(count x 8, max. 100) 0

b) Total Resident Population  
(count x 2, max. 100) 0

c) Sensitive Environment 0 10 15 20 25

Resident Target Score  
(lines 2a + 2b + 2c, max. 100) 0

<b>Total Residential Population Score</b>	<b>0</b>
---	----------

**B. Nearby Population**

1. Likelihood of Exposure  
(matrix score) 0.25

a) Area of Contamination 0 (25) 50 75 100 25

b) Accessibility/  
Frequency of Use 5 25 50 (75) 100 75

2. Toxicity 0 3 6 (9) 9

3. Targets (max. 100) 100

<b>Total Nearby Population Score</b>	<b>225</b>
--------------------------------------	------------

**Overall Population Exposure Score**

The Overall Population Exposure Score is determined by adding lines A and B and dividing this by 18 to give a score between 0 and 100.

Total Population Exposure Route of Migration Score: 12.5

DOCUMENTATION RECORDS  
FOR  
STATE HAZARD RANKING SYSTEM

INSTRUCTIONS: Briefly summarize the information you used to assign a score to each factor and document the source of the information and/or the rationale for each score.

Facility Name: Baby Diaper Service

ID Number: NO NCD 000 2863

Location: 1819 Spring Garden Street, Greensboro, Guilford County

Date Scored: 05/22/09

Person Scoring: Mindy Lepard

Factors Not Scored: Air Route and Residential Population

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Comments:

References:

1. Baby Diaper Service (Greensboro, Guilford County) Incident File, Guilford County Environmental Health, Greensboro, NC +
2. North Carolina Atlas , University of NC Press, Chapel Hill, NC, 1975.
3. Rainfall Frequency Atlas of the US, Technical Paper 40, US Department of Commerce, Washington, DC, 1963.
4. 2000 Census of Population and Housing: Summary Population and Housing Characteristics: North Carolina, US Department of Commerce. <http://quickfacts.census.gov/qfd/>.
5. Dangerous Properties of Industrial Materials , N. Irving Sax, Van Reinhold Company, Inc., 1984.
6. 40 CFR 300 , Appendix A, July 1, 1988.
7. Pictometry Visual Intelligence Software, 2007. Pictometry International Corp.
- 8.

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## GROUND WATER ROUTE

### Reference

#### A. Route Characteristics:

##### 1. Depth to Water Table:

8: TCE and cis-1,2-DCE in groundwater

( 1 )

##### 2. Net Precipitation:

1: Mean annual precipitation = 44 in/yr.  
mean annual evaporation = 41 in/yr.  
net precipitation -  $44 - 41 = 3$  in/yr

( 2 )

##### 3. Hydraulic Conductivity of Unsaturated Zone:

2: Piedmont

( 1 )

##### 4. Physical State:

3: Liquid - solvent

( 1 )

#### B. Containment:

3: None

( 1 )

#### C. Waste Characteristics:

##### 1. Toxicity/Persistence:

12: TCE

( 1,5 )

##### 2. Hazardous Waste Quantity:

5: Unknown

( 1 )

## SURFACE WATER ROUTE

A.	Route Characteristics:	Reference
1.	Facility Slope and Intervening Terrain:	
	1: Facility slope < 3%; intervening terrain approx. = 7%	( 1, 7 )
2.	One-year 24-hour Rainfall:	
	1: > 2.5 to 3.0 in/yr	( 3 )
3.	Distance to Nearest Surface Water/Name:	
	4: 1,800 ft to a tributary of South Buffalo Creek	( 1 )
4.	Physical State:	
	3: Liquid - solvent	( 1 )
B.	Containment:	
	3: None	( 1 )
C.	Waste Characteristics:	
1.	Toxicity/Persistence:	
	12: TCE	( 1, 5 )
2.	Hazardous Waste Quantity:	
	5: Unknown	( 1 )

AIR ROUTE

Reference

A. Waste Characteristics: **NOT SCORED.**

1. Reactivity and Incompatibility:

( )

2. Toxicity:

( )

3. Hazardous Waste Quantity:

( )

B. Targets:

1. Population within 4-mile Radius/Distance from Hazardous Substance:

( )

2. Distance to Sensitive Environment:

( )

3. Land Use:

( )

POPULATION EXPOSURE ROUTE

A. Residential Population: <b>NOT SCORED.</b>	Reference
1. Toxicity:	( )
2. Targets:	
a. High Risk Population:	( )
b. Total Resident Population:	( )
c. Sensitive Environment:	( )
<b>B. Nearby Population:</b>	
1. Likelihood of Exposure Score: 0.25	
a. Area of Contamination: 25: Contamination less than 1 acre	( 1 )
b. Accessibility/Frequency of Use: 75: Observed contamination on land with no continuous barrier to entry	( 1 )
2. Toxicity: 9: TCE	( 1, 5 )
3. Targets: $0.1 ( \underline{3939.13} ) + 0.05 ( \underline{6502.16} ) = \underline{719.12=719=100 \text{ max}}$	
a. 0 - ½ mile: $3.14 (0.5^2) \times \underline{5018} \text{ people/sq.mi} = \underline{3939.13}$	(4)
b. ½ - 1 mile: $3.14 (1^2 - 0.5^2) \times \underline{2761} \text{ people/sq.mi} = \underline{6502.16}$	(4)
<i>Notes: Area within 0.5 mile radius is mostly residential, area 0.5-1 mile is more commercial/industrial</i>	

### Inactive Hazardous Sites Tracking Data Entry

*Always enter ID# and site name. Otherwise, only enter new information/changes.*

ID#: NONCD0002863 Site Name: Baby Diaper Service  
 Site Address: 1819 Spring Garden Street Site City: Greensboro  
 Site County: Guilford

Process Code: OT Residence on Site? Yes  No   
 Distance to Nearest Water Source Well: > 1/4 mile  No Information  < 1/4 mile   
 Distance to SW Intake (Drinking): > 1/4 mile  No Information  < 1/4 mile

Coordinates: Latitude: 36.06337 Longitude: 79.82266  
*[NAD83, Decimal-degrees-fifth order]*

**Geolocation Method:**

- Registered Land Surveyor
- GPS Survey Grade Corrected
- GPS Survey Grade Not Corrected
- GPS Mapping Grade Corrected
- GPS Mapping Grade Not Corrected
- GPS Recreational Grade
- On Screen Placement on Georeferenced Map
- Hard Copy Map
- Geocoding (address match)
- Supplied by others (unsubstantiated)
- Unknown

**Inventory Categories:** *(\*If "Yes," site cannot be in more than one category.)*

SPL*	<input checked="" type="checkbox"/>	SPL SCORE	29.31	<i>Select these categories only if agency addressing all site contamination.</i>	
Voluntary (AA)*	<input type="checkbox"/>			Solid Waste Lead	<input type="checkbox"/>
Evaluation Pending*	<input type="checkbox"/>			Non-NPL EPA Superfund/DOD Lead	<input type="checkbox"/>
No Further Action*	<input type="checkbox"/>			NPL	<input type="checkbox"/>
NFA - Restricted Use*	<input type="checkbox"/>			RCRA Non-TSD Lead	<input type="checkbox"/>
				TSD	<input type="checkbox"/>
Non-HS Site - Open	<input type="checkbox"/>			DRP Lead	<input type="checkbox"/>
Non-HS Site - NFA	<input type="checkbox"/>			DSCA Lead	<input type="checkbox"/>
Non-HS Site - NFA Restricted Use	<input type="checkbox"/>			UST Lead	<input type="checkbox"/>
				DWQ Lead	<input type="checkbox"/>
				Duplicate	<input type="checkbox"/>

**Contaminant Data:** *(Based on laboratory detection.)*

	Groundwater	Soil	Surface Water	Sediment
Organics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Metals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pesticides/Herbicides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Acids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cyanide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inorganics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radioactive Constituents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Known/suspected Contamination *(Check only if no lab data)*