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Overview

Property Details

Sale & Tax History

Public Facts

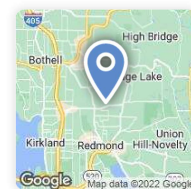
Schools



Listing provided courtesy of Windermere Real Estate Central. Sold by Windermere Real Estate/East.

17026 NE 133rd St, Redmond, WA 98052

<b>\$2,163,649</b>	<b>4</b>	<b>2.5</b>	<b>2,800</b>
Redfin Estimate	Beds	Baths	Sq Ft



### Off Market

This home last sold for \$675,000 on Aug 16, 2012.

## About This Home

Warm and lovely updated Buchan beauty sited on a sunny garden .67 acre in Langtree Estates. Stylish designer colors and details throughout including painted millwork, mocha walls, and espresso stained cabinetry. Updated white kitchen with granite, stainless and seeded-glass upper

[Continue reading](#) ▾

Listed by Karin Peterson • Windermere Real Estate Central

Redfin checked: [1 minute ago](#) | Last updated: Mar 27, 2021 at 11:16pm • Source: NWMLS #375734

Bought with Lynly Callaway • Windermere Real Estate/East

**Redfin Estimate for 17026 NE 133rd St**

**LP Evidentiary Exhibits Page 008233**

**11/30/2022**

[Edit Home Facts](#) to improve accuracy.

[Create an Owner Estimate](#)

# \$2,163,649

[Track This Estimate](#)

+\$1.5M since sold in 2012 [See estimate history](#)

Redfin Estimate based on recent home sales. i



**\$2,400,000** Sold Price

A

5 Beds 2.5 Baths 3,240 Sq. Ft.

17013 NE 133rd St, Redmond, WA 98052

Listing provided by nwmls

– \$32/sq ft

↓ smaller lot

↑ 1 year newer



**\$1,500,000** Sold Price

B

4 Beds 2.5 Baths 2,681 Sq. Ft.

14117 176th Ave NE, Redmond, WA 98052

Listing provided by nwmls

– \$214/sq ft

↓ smaller lot

↑ 1 year newer

[View comparables on map](#) ▾

## Homeowner Tools



[Edit home facts](#)

Review property details and add renovations.



[Manage photos](#)

Update home photos or make them private.

**LP Evidentiary Exhibits Page 008234**

**11/30/2022**



### Create an Owner Estimate

Select recent home sales to estimate your home's value.



### View Owner Dashboard

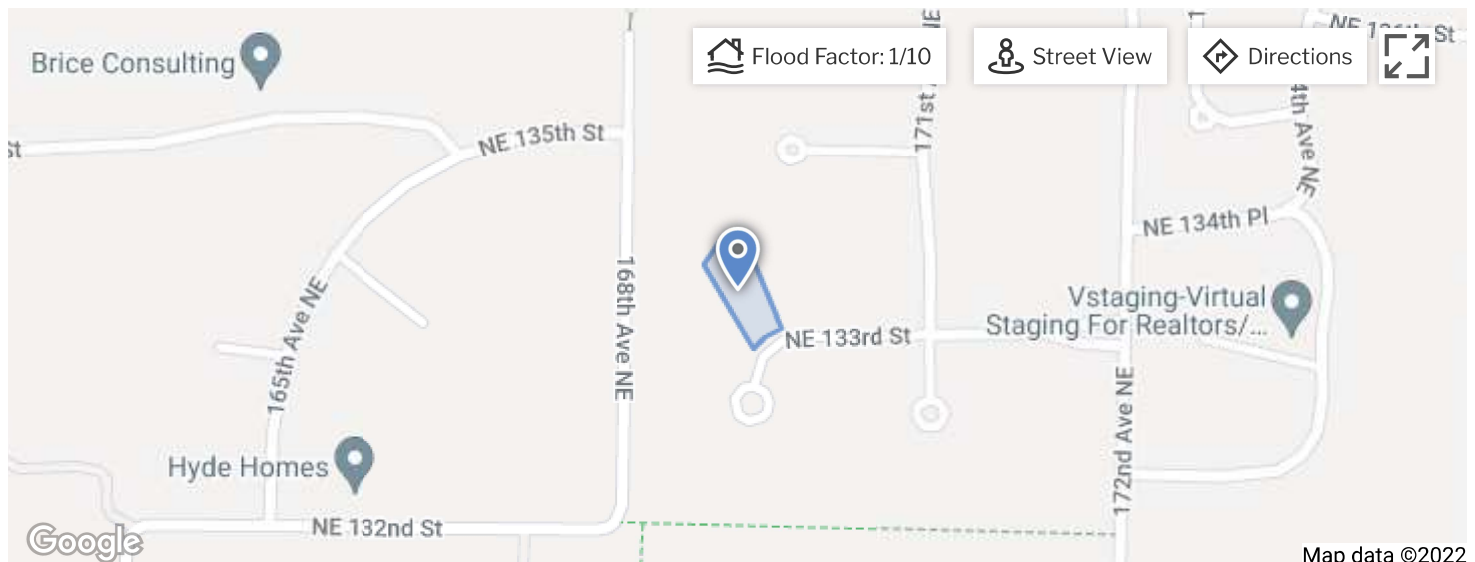
Track your estimate and nearby sale activity.

## Home Facts

Status	Closed
Property Type	Residential, Residential
Year Built	1984
Community	English Hill
Lot Size	0.67 Acres
MLS#	375734

## Price Insights

Redfin Estimate	\$2,163,649
Price/Sq.Ft.	\$773



Advertisement

Map data ©2022

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LP Evidentiary Exhibits Page 008235

11/30/2022

## Property Details for 17026 NE 133rd St

### Parking

#### Parking Information

- Covered Spaces: 3
- Parking Total: 3
- Garage Spaces: 3
- Has Attached Garage
- Has Garage

### Interior

#### Virtual Tour

- [Virtual Tour \(External Link\)](#)

#### Bedroom Information

- # of Bedrooms: 4
- # of Beds Upper: 4
- Bedrooms Possible: 4

#### Bathroom Information

- # of Full Baths (Total): 2
- # of Half Baths (Total): 1
- # of Full Baths (Upper): 2
- # of Half Baths (Main): 1

#### Room 1 Information

- Room Type: Dining Room
- Room Level: Main

#### Room 2 Information

- Room Type: Kitchen With Eating Space
- Room Level: Main

**Room 3 Information**

- Room Type: Bathroom Full
- Room Level: Upper

**Room 4 Information**

- Room Type: Bathroom Full
- Room Level: Upper

**Room 5 Information**

- Room Type: Bedroom
- Room Level: Upper

**Room 6 Information**

- Room Type: Primary Bedroom
- Room Level: Upper

**Room 7 Information**

- Room Type: Bedroom
- Room Level: Upper

**Room 8 Information**

- Room Type: Entry Hall
- Room Level: Main

**Room 9 Information**

- Room Type: Living Room
- Room Level: Main

**Room 10 Information**

- Room Type: Family Room
- Room Level: Main

**Room 11 Information**

- Room Type: Bathroom Half
- Room Level: Main

**Room 12 Information**

- Room Type: Utility Room
- Room Level: Main

### Room 13 Information

- Room Type: Bedroom
- Room Level: Upper

### Fireplace Information

- Has Fireplace
- # of Fireplaces: 2

### Heating & Cooling

- Heating Cooling Type: Forced Air

### Interior Features

- Interior Features: Forced Air, Ceramic Tile, Hardwood, Wall to Wall Carpet, Dining Room, French Doors, Skylight(s), Vaulted Ceiling(s), Walk-in Closet(s)
- Appliances: Dishwasher, Range/Oven
- Flooring: Ceramic Tile, Hardwood, Carpet
- Appliances Included: Dishwasher,Range/Oven

### Exterior

#### Building Information

- Building Information: Built On Lot
- Roof: Cedar Shake

#### Exterior Features

- Exterior Features: Brick, Wood

#### Property Information

- Sq. Ft. Finished: 2,800
- Style Code: 12 - 2 Story
- Property Type: Residential
- Property Sub Type: Residential
- Property Condition: Very Good

#### Lot Information

- Lot Number: 58
- Site Features: Cable TV,High Speed Internet,Patio,Sprinkler System

- Lot Features: Paved
- Lot Size Units: Square Feet
- Lot Size Acres: 0.6661
- Elevation Units: Feet

## Financial

### Tax Information

- Tax Annual Amount: \$7,302
- Tax Year: 2012

### Financial Information

- Listing Terms: Cash Out
- Buyer Financing: Conventional

## Utilities

### Utility Information

- Water Source: Public
- Water Company: Woodinville Water
- Power Company: PSE
- Sewer: Septic Tank
- Utilities: Cable Connected, High Speed Internet, Septic System, Natural Gas Connected

## Location

### Multi-Unit Information

- Furnished: Unfurnished

### School Information

- Elementary School: Sunrise Elem
- Middle Or Junior High School: Timbercrest Middle School
- High School: Woodinville Hs
- High School District: Northshore

### Location Information

- Directions: From 405, east on NE 124th to 172nd Ave. North on 172nd. Or from Avondale - West on NE 128th. North on 172nd. Take first entrance into Langtree to top
- Map Coordinate: C, 5

## Community Information

- Senior Exemption: false
- Community Features: CCRs

## Other

## Listing Information

- MIs Status: Sold

## Listing Date Information

- On Market Date: Friday, June 29, 2012
- Cumulative Days On Market: 4

## Green Information

- Power Production Type: Natural Gas

## Home Information

- Living Area: 2,800
- Living Area Units: Square Feet
- Calculated Square Footage: 2800
- MLS Square Footage Source: KCR
- Building Area Total: 2800
- Building Area Units: Square Feet
- Building Name: Langtree
- Structure Type: House
- Levels: Two
- Entry Location: Main

Property information provided by NWMLS when last listed in 2012. This data may not match [public records](#). [Learn more](#).

## File and Tax History for 17026 NE 133rd St

---

### Sale History Tax History

#### Today

LP Evidentiary Exhibits Page 008240

11/30/2022



○ Aug 16, 2012	Sold (Public Records)	\$675,000 (0.1%/yr)
Date	Public Records	Price

**Jul 2005, Sold for \$670,000**

○ Jul 26, 2005	Sold (Public Records)	\$670,000 (6.0%/yr)
Date	Public Records	Price

**May 2001, Sold for \$525,000**

○ May 24, 2001	Sold (Public Records)	\$525,000 (5.0%/yr)
Date	Public Records	Price

**Sep 1999, Sold for \$484,000**

○ Sep 21, 1999	Sold (Public Records)	\$484,000 (6.5%/yr)
Date	Public Records	Price

**Apr 1988, Sold for \$235,000**

○ Apr 29, 1988	Sold (Public Records)	\$235,000 (6.9%/yr)
Date	Public Records	Price

**Feb 1985, Sold for \$189,340**

○ Feb 1, 1985	Sold (Public Records)	\$189,340
Date	Public Records	Price

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# IBIC Facts for 17026 NE 133rd St

 [Edit Facts](#)

Beds	4
Baths	2.5
Sq. Ft.	2,790
Stories	2
Lot Size	0.67 Acres
Style	Single Family Residential
Year Built	1984
Year Renovated	—
County	King County
APN	418800 0580

Home facts updated by county records on Aug 2, 2022.

## Cost of home ownership

### \$3,156 per month

30 year fixed, 3.62% interest 

[Customize calculations](#)

- Mortgage payment \$2,306
- Property taxes \$726
- HOA dues [Add](#)
- Homeowners' insurance \$124

You could save up to \$1,177 per month by refinancing



Best monthly savings

\$1,129 per month

Get pre-qualified

Mortgage Type	Fixed 30 Year
APR as of 8/18	5.374%
Total interest cost	\$204,858
Fees*	-\$111
Lender	Blue Spot NMLS# 3001

\$1,144 per month

Get pre-qualified

Mortgage Type	Fixed 30 Year
APR as of 8/18	5.49%
Total interest cost	\$210,258
Fees*	-\$494
Lender	Home.com NMLS# 1748884

Rates and savings are estimated. Actual rates and savings will vary.

[Browse all rates](#)

[Rate Disclosure](#) ⓘ

[Should I refinance?](#)

## File Proceeds

Home Sale Price ⓘ

\$2,163,649

Outstanding Mortgage ⓘ

\$424,000




	Selling with Traditional Agent	Selling with Redfin Agent
Your Total Sale Proceeds	\$1,562,534	\$1,594,989 <span style="color: green;">+\$32,455</span>
Seller Agent Commission	3% (\$64,909)	1.5% (\$32,455)
<b>Compare Agent Services</b>		▼
<b>Show Taxes and Fees</b>		▼

**Get \$32,455 More Selling Your Home with a Redfin Agent**

[Schedule Selling Consultation](#)

## Schools

### GreatSchools Summary Rating

9/10	<p><b>Sunrise Elementary School</b></p> <p>Public, K-6 • Serves this home</p>	304 Students	0.6mi Distance	 11 reviews
6/10	<p><b>Timbercrest Junior High School</b></p> <p>Public, 6-8 • Serves this home</p>	782 Students	4.3mi Distance	 7 reviews
9/10	<p><b>Woodinville High School</b></p> <p>Public, 9-12 • Serves this home</p>	1723 Students	4.1mi Distance	 15 reviews

information and ratings as a first step, and conduct their own investigation to determine their desired schools or school districts, including by contacting and visiting the schools themselves.

Redfin does not endorse or guarantee this information. School service boundaries are intended to be used as a reference only; they may change and are not guaranteed to be accurate. To verify school enrollment eligibility, contact the school district directly.

## ound This Home

### Transportation in 98052



1 / 100

Car-Dependent  
Walk Score®



22 / 100

Somewhat Bikeable  
Bike Score®

## al Estate Market Insights for 17026 NE 133rd St

[Redfin](#) > [Washington](#) > [Redmond](#) > [98052](#)

### Single-Family Home Sales (Last 30 days)

#### 98052 ZIP

**\$1.77M**

Median List Price

**19**

Median Days on Mkt.

**69**

# Listed Homes

**\$641**

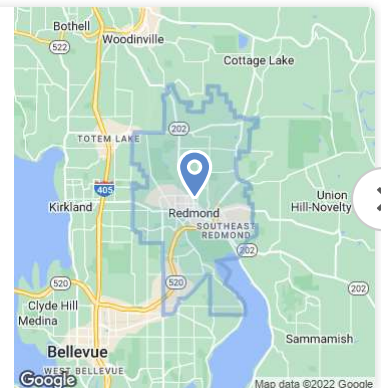
Median \$ / Sq. Ft.

**97.5%**

Median Sale-to-List

**35**

# Sold Homes



### Single-Family Home Trends in 98052

Median Sale Price

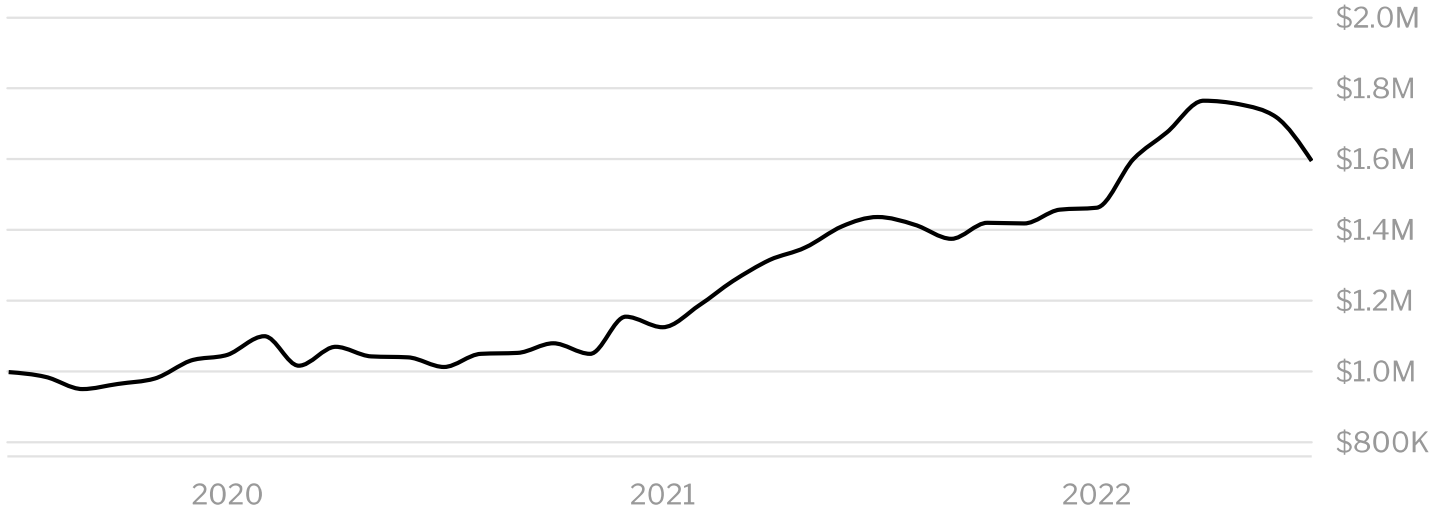
Single Family Homes

### Median Sale Price (Single Family Homes)

# \$1,595,000

+11.1% YoY | Jul 2022

1y **3y** 5y



Based on Redfin calculations of home data from MLS and/or public records.

↗ Share

</> Embed

Location	Data Jul 2022	Growth % YoY
98052	<b>\$1,595,000</b>	+11.1%

[See more market trends in 98052](#)

### Market Competition in 98052

Calculated over the last 3 months

# 87

**Very Competitive**  
Redfin Compete Score™ ⓘ

0 100

- Many homes get multiple offers, some with waived contingencies.
- The average homes sell for about **2%** above list price and go pending in around **6 days**.
- Hot homes can sell for about **8%** above list price and go pending in around **3 days**.

### Compare to nearby Zip Codes



### What It Takes to Win an Offer near 98052

~\$325K Offer 6 Weeks Ago

2 Beds, 1.75 Baths, ~750 Sq. Ft. Condo

**Offer Not Accepted - Sold for \$325K**

0%	7	7	<10%
Over List Price	Days on Market	Competing Offers	Down Payment

This was an ARCH property. Several of the other buyers had done pre-inspection.

[Lisa Chasin](#)  
Redfin Agent

[More Offer Insights](#)

### Nearby Similar Homes

Homes similar to 17026 NE 133rd St are listed between \$930K to \$5,245K at an average of \$610 per square foot.

**\$1,500,000**

4 Beds 2.5 Baths 2,780 Sq. Ft.

15308 185th Ave NE, Woodinville, WA 98072

Kamran Mostofi • TEC Real Estate Inc.

---



**\$1,895,000**

3 Beds 2.5 Baths 3,435 Sq. Ft.

14110 205th Ave NE, Woodinville, WA 98077

Wendy Klinker • Windermere Real Estate/East

---

---

**\$2,290,000**

4 Beds 3 Baths 3,330 Sq. Ft.

17023 NE 110th Way, Redmond, WA 98052

James Dainard • Heaton Dainard, LLC

---

**\$929,950**

4 Beds 3 Baths 2,250 Sq. Ft.

18816 NE 146th Way, Woodinville, WA 98072

Jeremy Jamerson • AgencyOne

---

**\$1,650,000**

LP Evidentiary Exhibits Page 008251

11/30/2022

4 Beds 3 Baths 3,170 Sq. Ft.

19910 NE 145th St, Woodinville, WA 98077

Rachel Schindler • COMPASS

---

CONTINGENT

**\$1,899,999**

4 Beds 2.5 Baths 3,388 Sq. Ft.

19247 NE 144th Pl, Woodinville, WA 98077

Jodi Allen • The Preview Group

---

[View More Homes](#)

---

## Nearby Recently Sold Homes

Nearby homes similar to 17026 NE 133rd St have recently sold between \$1,600K to \$2,730K at an average of \$710 per square foot.

---

SOLD APR 13, 2022

3D & VIDEO TOUR

**\$2,730,000** Last Sold Price

4 Beds 2.5 Baths 3,260 Sq. Ft.

13500 171st Ave NE, Redmond, WA 98052

**LP Evidentiary Exhibits Page 008253**

**11/30/2022**

Tony Meier • Windermere R.E. Northeast, Inc Sagareus Real Estate

---

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SOLD MAR 7, 2022    3D WALKTHROUGH

**\$2,725,000** Last Sold Price

4 Beds 2.5 Baths 3,110 Sq. Ft.

15802 NE 114th Ct, Redmond, WA 98052

Kim Stevenson • John L. Scott, Inc. Windermere Real Estate/East

---

---

SOLD JUN 3, 2022

**\$2,430,000** Last Sold Price

4 Beds 2.5 Baths 3,396 Sq. Ft.

14118 168th Ave NE, Woodinville, WA 98072

Bret Butler • COMPASS Windermere Real Estate Co.

[View More Recently Sold Homes](#)

## Home Values Near 17026 NE 133rd St

Data from public records.

Address

[LP Evidentiary Exhibits Page 008255](#)

11/30/2022

## Address

[17042 NE 133rd Street, Redmond, WA](#)

4 Beds | 3.25 Baths | 3580 Sq. Ft.

---

[17022 NE 133rd Street, Redmond, WA](#)

3 Beds | 2.5 Baths | 2290 Sq. Ft.

---

[17005 NE 133rd Street, Redmond, WA](#)

4 Beds | 2.5 Baths | 3010 Sq. Ft.

---

[17002 NE 133rd Street, Redmond, WA](#)

4 Beds | 2.5 Baths | 2540 Sq. Ft.

[Show More](#) 

---

## More Real Estate Resources

### New Listings in 98052

[18624 NE 57th Way #18624](#)

[0 xx 185th PI NE](#)

[9311 178th PI NE #2](#)

[7519 Old Redmond Rd #404](#)

[15152 NE 82nd St #201](#)

[4516 159th Ave NE](#)

[Show More](#) 

### Nearby Cities

[Woodinville homes for sale](#)

[Redmond homes for sale](#)

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[Bellevue homes for sale](#)

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### Neighborhoods

[LP Evidentiary Exhibits Page 008256](#)

11/30/2022



[Reinwood Leota homes for sale](#)

[Hollywood homes for sale](#)

[Leota homes for sale](#)

[Avondale homes for sale](#)

[Downtown Woodinville homes for sale](#)

### Zip Codes

[98072 homes for sale](#)

[98052 homes for sale](#)

[98053 homes for sale](#)

[98077 homes for sale](#)

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## Frequently Asked Questions for 17026 NE 133rd St

What is 17026 NE 133rd St?



How competitive is 1

How many photos are available for this home?



What comparable h

How much is this home worth?



What's the full addr

## When was this home built and last sold?



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11/30/2022

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GreatSchools Ratings provided by [GreatSchools.org](https://www.greatschools.org).

recordsearch.kingcounty.gov/LandmarkWeb/search/index?theme=.blue&section=searchCriteriaQuickSearch&quickSearchSelection=

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BREWER MALCOLM D			TRUST/MORTGAGE				DOCUMENT
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+ BREWER CLYDE W BREWER GENEVIEVE M	BREWER CLYDE W	BREWER GENEVIEVE M	01/29/1985	AFFIDAVIT	0000	198501290692	SEE 640730-5768171 SEE 640730-5768171 SUB: SEE 640730-5768171
BREWER DENNIS S+LYNNE M	BUCHAN CONSTRUCTION INC JOHN F ETAL BUCHAN INC WILLIAM E ETAL	BREWER DENNIS S+LYNNE M	02/01/1985	WARRANTY DEED	0000	198502010812	LOT 58 LANGTREE ESTATES LOT: 58 SUB: LANGTREE ESTATES
BREWER DENNIS S+LYNNE M	BREWER DENNIS S+LYNNE M	CHICAGO TITLE INSURANCE CO PACIFIC FIRST FEDERAL SAVINGS BANK	02/01/1985	DEED OF TRUST	0000	198502010813	LANGTREE ESTATES LT 58 LANGTREE ESTATES LOT: 58 SUB: LANGTREE ESTATES
BREWER DENNIS S+LYNNE M BREWER LYNNE M ETAL	BOYLE LYNNE M ETAL BREWER LYNNE M ETAL	BREWER DENNIS S+LYNNE M	02/01/1985	QUIT CLAIM DEED	0000	198502010857	LOT 73 ELDORADO NORTH LOT: 73 SUB: ELDORADO NORTH
BREWER DENNIS S+LYNNE M	BREWER DENNIS S+LYNNE M	NORTHWESTERN TITLE CO PACIFIC FIRST FEDERAL SAVINGS BANK	02/01/1985	DEED OF TRUST	0000	198502010858	ELDORADO NORTH LT 73 ELDORADO NORTH LOT: 73 SUB: ELDORADO NORTH

Type here to search 84°F Sunny 1:04 PM 8/18/2022

recordsearch.kingcounty.gov/LandmarkWeb/search/index?theme=.blue&section=searchCriteriaQuickSearch&quickSearchSelection=

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Your Quick Search for Name "Brewer", Document Types "", Begin Date "4/29/1988", and End Date "4/29/1988" returned the following results:

Displaying 50 records per page

First Previous 1 Next

#	Search Name	Grantor	Grantee	Record Date	Doc Type	Book	Page	Rec. #	DocLinks	Legal
1	BREWER DENNIS S+LYNNE M	BREWER DENNIS S+LYNNE M	WATSON THOMAS A+JANE M	04/29/1988	WARRANTY DEED		0000	198804291017		LOT 58 LANGTREE ESTATES LOT: 58 SUB: LANGTREE ESTATES

Type here to search

84°F Sunny 1:08 PM 8/18/2022

840509

07596

840406

7013

STATE OF WASHINGTON,

County of King

ss.

Series A

THIS CERTIFIES, that the undersigned officiant, a Minister  
 by authority of a Marriage License bearing date the 9th day of April A.D. 19 84  
 and issued by the County of King, did on the 5th day of May  
 A. D. 19 84, at the hour of 7 p.m. in County of King  
 State of Washington, join in LAWFUL WEDLOCK Dennis Sheldon Brewer Male  
 of the County of King (Age last Birthday) 29  
 Place of Birth Enumclaw, WA and Lynne Marie Boyle Female  
 of the County of King (Age last Birthday) 36  
 Place of Birth Mishawaka, Indiana with their mutual assent, in the presence of  
Craig Page and Rita Dinger witnesses.

IN TESTIMONY WHEREOF, witness the signatures of the parties to said ceremony, the  
 witnesses and myself, this 5th day of May A. D. 19 84.

WITNESS:	PARTIES:	OFFICIATING CLERGYMAN OR OFFICER:
<u>Craig Joseph Page</u>	<u>Dennis Sheldon Brewer</u> MALE (SIGNATURE)	<u>Rev. Douglas A. Iben</u> SIGNATURE OF OFFICIANT
<u>Rita Dinger</u>	<u>Lynne Marie Boyle</u> FEMALE (SIGNATURE)	5223 - 37th Ave. SW STREET AND NUMBER
Filed _____ 19 ____.		Seattle WASH. 98126 CITY ZIP

This Certificate must be filled out and filed with the County of King where the license was issued within 30 days after the ceremony. —See Chapter 59, Laws of Washington of 1947.  
 Failure to make and deliver Certificate to the County of King within 30 days is punishable by a fine of not less than \$25.00 or more than \$300.00.—See Pierce's Code, Sec. 3714.

← Search



← Search

Overview

Property Details

Sale & Tax History

Public Facts

Schools



Listing provided courtesy of Aqua. Sold by Windermere Real Estate Co.

11729 NE 149th St, Kirkland, WA 98034

**\$1,296,508**

**3**

**1.75**

**1,990**

Redfin Estimate

Beds

Baths

Sq Ft



### Off Market

This home last sold for \$785,000 on Jun 23, 2020.

## About This Home

Picture perfect in sought-after High Woodlands w/the most incredible back yard & deck! This immaculate home boasts soaring ceilings in the living room, rich hardwoods & large bonus room upstairs, ideal for guest suite or home office! Gourmet kitchen w/slab granite counters & custom

[Continue reading](#) ▾

Listed by Rick Juma • Aqua

Listed by Jesse Tronson • Aqua

Redfin checked: 4 minutes ago | Last updated: Mar 28, 2021 at 4:02am • Source: NWMLS #1598629

Bought with Erica Olavarria • Windermere Real Estate Co.

**Redfin Estimate for 11729 NE 149th St**

**LP Evidentiary Exhibits Page 008263**

**11/30/2022**

[Edit Home Facts](#) to improve accuracy.

[Create an Owner Estimate](#)

# \$1,296,508

[Track This Estimate](#)

+\$512K since sold in 2020 [See estimate history](#)  
Redfin Estimate based on recent home sales.



**\$875,000** Sold Price

A

3 Beds 2 Baths 1,620 Sq. Ft.

11811 NE 158th St, Bothell, WA 98011

Listing provided by nwmls

− \$112/sq ft

↓ smaller lot

↑ 2 years newer



**\$984,500** Sold Price

B

3 Beds 2.5 Baths 1,870 Sq. Ft.

11605 NE 150th Pl, Kirkland, WA 98034

Listing provided by nwmls

− \$126/sq ft

↑ larger lot

↓ 2 years older

[View comparables on map](#) ▾

## Homeowner Tools



[Edit home facts](#)

Review property details and add renovations.



[Manage photos](#)

Update home photos to make the estimate.

LP Evidentiary Exhibits Page 008254

11/30/2022





### Create an Owner Estimate

Select recent home sales to estimate your home's value.



### View Owner Dashboard

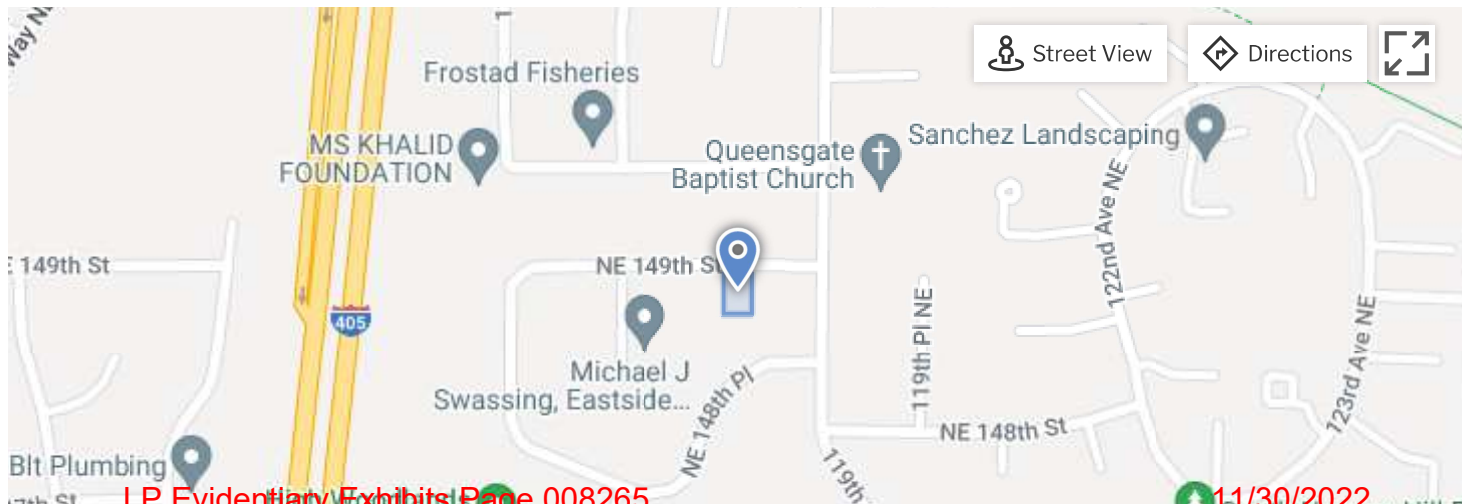
Track your estimate and nearby sale activity.

## Home Facts

Status	Closed
Property Type	Residential, Residential
HOA Dues	\$35/month
Year Built	1970
Community	Kingsgate
Lot Size	7,560 Sq. Ft.
MLS#	1598629

## Price Insights

Redfin Estimate	\$1,296,508
Price/Sq.Ft.	\$652





Advertisement

## Property Details for 11729 NE 149th St

### Parking

#### Parking Information

- Covered Spaces: 2
- Parking Total: 2
- Garage Spaces: 2
- Has Attached Garage
- Has Garage

### Interior

#### Virtual Tour

- [Virtual Tour \(External Link\)](#)

#### Bedroom Information

- # of Bedrooms: 3
- # of Bedrooms Main: 3
- Bedrooms Possible: 3

#### Bathroom Information

- # of Full Baths (Total): 1
- # of Three Quarter Baths (Total): 1
- # of Full Baths (Main): 1
- # of Three Quarter Baths (Main): 1

#### Basement Information

- Basement Features: None

#### Fireplace Information

- Has Fireplace
- # of Fireplaces: 2

- # of Fireplaces Upper: 1
- # of Fireplaces Main: 1

### Heating & Cooling

- Heating Cooling Type: Forced Air

### Interior Features

- Interior Features: Forced Air, Hardwood, Wall to Wall Carpet, Ceiling Fan(s), Dining Room, Skylight(s), Vaulted Ceiling(s), Walk-in Closet(s)
- Appliances: Dishwasher, Dryer, Microwave, Range/Oven, Refrigerator, Washer
- Flooring: Hardwood, Carpet
- Appliances Included: Dishwasher,Dryer,Microwave,Range/Oven,Refrigerator,Washer

### Exterior

#### Building Information

- Building Information: Built On Lot
- Roof: Composition

#### Exterior Features

- Exterior Features: Stone, Wood

#### Property Information

- Style Code: 11 - 1 1/2 Story
- Property Type: Residential
- Property Sub Type: Residential
- Has View

#### Land Information

- Vegetation: Garden Space

#### Lot Information

- MLS Lot Size Source: Realist
- Site Features: Deck,Fenced-Partially,Gas Available
- Lot Features: Curbs, Paved, Sidewalk
- Lot Size Units: Square Feet
- Lot Size Acres: 0.1736
- Elevation Units: Feet

## Financial

### Tax Information

- Tax Annual Amount: \$7,544
- Tax Year: 2019

### Financial Information

- Listing Terms: Cash Out, Conventional
- Buyer Financing: Conventional

## Utilities

### Utility Information

- Water Source: Public
- Water Company: Northshore Utilities
- Power Company: PSE
- Sewer: Sewer Connected
- Sewer Company: Northshore
- Utilities: Natural Gas Available, Sewer Connected, Electricity Available, Natural Gas Connected
- Water Heater Location: Garage

## Location

### Multi-Unit Information

- Furnished: Unfurnished

### HOA Information

- Association Fee: \$35
- Association Fee Frequency: Monthly

### School Information

- Elementary School: Woodmoor Elem
- Middle Or Junior High School: Northshore Middle School
- High School: Inglemoor Hs
- High School District: Northshore

### Location Information

- Directions: From I-405, head East on NE 160th St. Right onto 119th Ave. Right onto NE 149th St.

Home Preview

LP Evidentiary Exhibits Page 008268

11/30/2022

- Topography: Level

### Community Information

- Senior Exemption: false
- Community Features: CCRs

### Other

### Listing Information

- Mls Status: Sold

### Listing Date Information

- On Market Date: Friday, May 8, 2020
- Cumulative Days On Market: 24

### Green Information

- Power Production Type: Electric, Natural Gas

### Home Information

- Living Area Units: Square Feet
- Calculated Square Footage: 1990
- MLS Square Footage Source: Realist
- Building Area Total: 1990
- Building Area Units: Square Feet
- Foundation Details: Poured Concrete
- Building Name: The Highwoodlands
- Year Built Effective: 2004
- Effective Year Built Source: Public Records
- Structure Type: House
- Entry Location: Main

Property information provided by NWMLS when last listed in 2020. This data may not match [public records](#). [Learn more](#).

## File and Tax History for 11729 NE 149th St

---

### Sale History Tax History

LP Evidentiary Exhibits Page 008269

11/30/2022

### Today

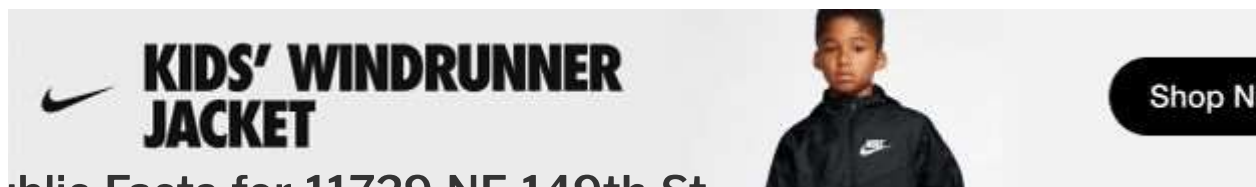
○ Jun 23, 2020	Sold (Public Records)	\$785,000 (4.2%/yr)
Date	Public Records	Price

### May 2005, Sold for \$425,000

○ May 26, 2005	Sold (Public Records)	\$425,000
Date	Public Records	Price

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## Public Facts for 11729 NE 149th St

Edit Facts

Beds	3
Baths	2
Sq. Ft.	1,990
Stories	2
Lot Size	7,560 Sq. Ft.
Style	Single Family Residential
Year Built	1970
Year Renovated	2004
County	King County

Home facts updated by county records on Aug 2, 2022.

## Cost of home ownership

### \$4,160 per month

30 year fixed, 3.5% interest ⓘ

[Customize calculations](#)

● Mortgage payment	\$3,173
● Property taxes	\$844
● HOA dues	Add
● Homeowners' insurance	\$144
● Utilities & Maintenance	Add

# Home Proceeds

Home Sale Price i

\$1,296,508

Outstanding Mortgage i

\$604,000

	Selling with Traditional Agent	Selling with Redfin Agent
Your Total Sale Proceeds	\$585,978	+\$19,448 \$605,426
Seller Agent Commission	3% (\$38,895)	1.5% (\$19,448)

Compare Agent Services ∨

Show Taxes and Fees ∨

**Get \$19,448 More Selling Your Home with a Redfin Agent**

[Schedule Selling Consultation](#)

# Schools

[GreatSchools Summary Rating](#)



5/10 **Woodmoor Elementary School** 811 0.5mi ★★★★★  
 Public, PreK-5 • Serves this home Students Distance 8 reviews

4/10 **Northshore Junior High School** 929 0.5mi ★★☆☆☆  
 Public, 6-8 • Serves this home Students Distance 9 reviews

8/10 **Inglemoor High School** 1715 1.8mi ★★★★★  
 Public, 9-12 • Serves this home Students Distance 13 reviews

School data is provided by GreatSchools, a nonprofit organization. Redfin recommends buyers and renters use GreatSchools information and ratings as a first step, and conduct their own investigation to determine their desired schools or school districts, including by contacting and visiting the schools themselves.


Redfin does not endorse or guarantee this information. School service boundaries are intended to be used as a reference only; they may change and are not guaranteed to be accurate. To verify school enrollment eligibility, contact the school district directly.

## around This Home

### Transportation in 98034

  
42 / 100

Car-Dependent  
Walk Score®

  
20 / 100

Somewhat Bikeable  
Bike Score®

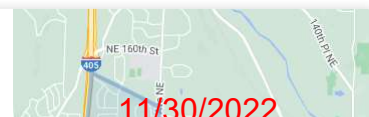
## Real Estate Market Insights for 11729 NE 149th St

[Redfin](#) > [Washington](#) > [Kirkland](#) > [98034](#)

### Single-Family Home Sales (Last 30 days)

**Evergreen Hill** Neighborhood

LP Evidentiary Exhibits Page 008273



**\$1.15M**

Median List Price

**23**

Median Days on Mkt.

**15**

# Listed Homes

**\$641**

Median \$ / Sq. Ft.

**100.4%**

Median Sale-to-List

**7**

# Sold Homes



### Single-Family Home Trends in Evergreen Hill

Median Sale Price ▼

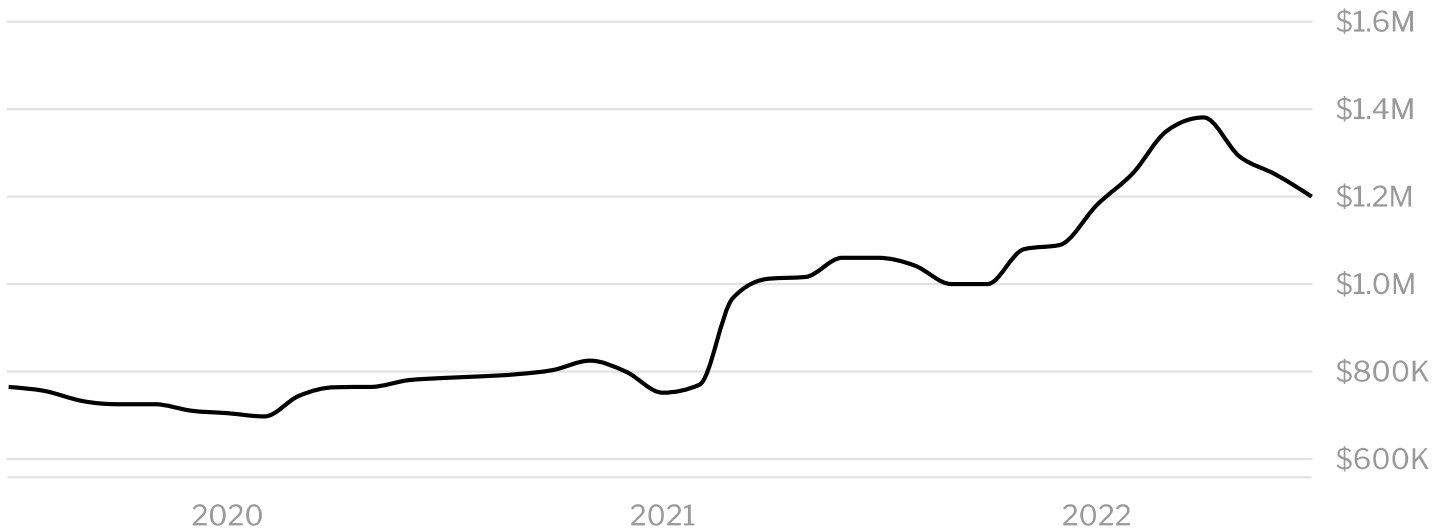
Single Family Homes ▼

#### Median Sale Price (Single Family Homes)

**\$1,200,000**

+13.2% YoY | Jul 2022

1y 3y 5y



Based on Redfin calculations of home data from MLS and/or public records.

[Share](#)

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Location

Data  
Jul 2022

Growth  
% YoY

**LP Evidentiary Exhibits Page 008274**

\$1,200,000

+13.2%

**11/30/2022**

[See more market trends in Evergreen Hill](#)

### Market Competition in **Evergreen Hill**

Calculated over the last 3 months

**88** Very Competitive  
Redfin Compete Score™ ⓘ

0 100

- Many homes get multiple offers, some with waived contingencies.
- The average homes sell for about **4%** above list price and go pending in around **6 days**.
- Hot homes can sell for about **7%** above list price and go pending in around **4 days**.

[Compare to nearby Neighborhoods](#)



### What It Takes to Win an Offer near **Evergreen Hill**

~\$425K Offer 10 Weeks Ago

2 Beds, 1 Bath, ~1,000 Sq. Ft. Condo

**Offer Not Accepted - Sold for \$425K**

5%	7	0	<10%
Over List Price	Days on Market	Competing Offers	Down Payment

[Amy Thickpenny](#)  
Redfin Agent

### Nearby Similar Homes

Homes similar to 11729 NE 149th St are listed between \$850K to \$1,198K at an average of \$570 per square foot.

**\$949,950**

3 Beds 2 Baths 1,444 Sq. Ft.

11330 NE 149th St, Kirkland, WA 98034

Kathi Wichser • John L. Scott Woodinville

---

**\$1,198,000**

4 Beds 2.5 Baths 2,190 Sq. Ft.

12318 165th St NE, Bothell, WA 98011

Yuri Sugiuchi • The Cascade Team

---

**\$850,000**

3 Beds 2 Baths 1,340 Sq. Ft.

15612 119th Ave NE, Bothell, WA 98011

Kris Cantrell • KW Everett

---

**\$1,140,000**

4 Beds 2.5 Baths 2,010 Sq. Ft.

14409 122nd Pl NE, Kirkland, WA 98034

Ben Snyder · Coldwell Banker Danforth

---

3D WALKTHROUGH

**\$899,950**

3 Beds 3 Baths 2,000 Sq. Ft.

14605 128th Ave NE, Woodinville, WA 98072

Mindy Hibbard • John L. Scott Mukilteo

---

[View More Homes](#)

---

## Nearby Recently Sold Homes

Nearby homes similar to 11729 NE 149th St have recently sold between \$895K to \$1,682K at an average of \$730 per square foot.

---

SOLD MAY 31, 2022



**\$895,000** Last Sold Price

4 Beds 2 Baths 2,140 Sq. Ft.

13845 115th Ave NE, Kirkland, WA 98034

Shannon Horton · Professional Realty Services Real Broker LLC

---

SOLD MAY 18, 2022

**\$1,000,000** Last Sold Price

3 Beds 2 Baths 1,540 Sq. Ft.

14454 119th PINE, Kirkland, WA 98034

Gary O'Leyar · Berkshire Hathaway HS SP Heaton Dainard, LLC

---

SOLD MAR 31, 2022

**\$1,015,000** Last Sold Price

3 Beds 2 Baths 1,190 Sq. Ft.

11611 NE 155th St, Kirkland, WA 98034

Tina Lerch • Real Property Associates John L. Scott, Inc.

[View More Recently Sold Homes](#)

## Home Values Near 11729 NE 149th St

Data from public records.

Address

[11706 NE 149th Street, Kirkland, WA](#)

3 Beds | 2.75 Baths | 2190 Sq. Ft.

[11722 NE 149th Street, Kirkland, WA](#)

4 Beds | 2 Baths | 2290 Sq. Ft.

[11746 NE 149th Street, Kirkland, WA](#)

3 Beds | 2.5 Baths | 1990 Sq. Ft.

[11713 NE 149th Street, Kirkland, WA](#)

4 Beds | 1.5 Baths | 1480 Sq. Ft.

[11736 NE 148th Place, Kirkland, WA](#)

[Show More](#) ▼

## More Real Estate Resources

### New Listings in 98034

[12120 NE 149th St](#)

[10231 NE 143rd Pl](#)

[14223 81st Ave NE](#)

[12440 68th Ave NE](#)

[14366 109th Ave NE](#)

[12822 NE 136th St](#)

Show More 

## Neighborhoods

[Brickyard Road-Queensgate](#) homes for sale

[Evergreen Hill](#) homes for sale

[Sweetbriar](#) homes for sale

[Oskams Corner](#) homes for sale

[Upper West Ridge](#) homes for sale

## Nearby Cities

[Redmond](#) homes for sale

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[98034](#) homes for sale

[98011](#) homes for sale

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[Houses for rent](#) in Kingsgate

[Houses](#) for sale near me

[Land](#) for sale near me

[Open Houses](#) near me

[Condos for sale near me](#)

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## Frequently Asked Questions for 11729 NE 149th St

What is 11729 NE 149th St?



How competitive is 1

How many photos are available for this home?



What comparable ho

How much is this home worth?



What's the full address

When was this home built and last sold?



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GreatSchools Ratings provided by [GreatSchools.org](https://www.greatschools.org).

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2	+	BREWER, DENNIS S	SMITH JEANETTE A	BREWER DENNIS S	03/30/1990	MARRIAGE CERTIFICATE	0000	199003307510	
3	+	SAKUMA DENNIS S+GEORGIA E VICKERS	WASHINGTON MUTUAL SAVINGS BANK SAFECO TITLE INS CO TRUSTEE	SAKUMA DENNIS S+GEORGIA E VICKERS VICKERS GEORGIA E ET VIR	04/19/1990	FULL RECONVEYANCE	0000	199004190793	SEE 870217-1671 SEE 870217-1671
4	+	RADFORD DENNIS S	FRANCE ROBERT C+SHARON K	RADFORD DENNIS S SHERWIN KATHY	04/27/1990	WARRANTY DEED	0000	199004271437	LOT 07 BLK LOT SUB. CAMBRIDGE EAST D
5	+	RADFORD DENNIS S	RADFORD DENNIS S SHERWIN KATHY	WASHINGTON MUTUAL SAVINGS BANK COMMONWEALTH LAND TITLE INS CO TRUSTEE	04/27/1990	DEED OF TRUST	0000	199004271438	LOT 07 BLK LOT SUB. CAMBRIDGE EAST D
6	+	MINNO DENNIS S+BRENDA J KERR	MINNO DENNIS S+BRENDA J KERR KERR BRENDA J ET VIR	SMART JAMES A+RHONDA L	05/08/1990	WARRANTY DEED	0000	199005081742	LOT 215 BLK LOT SUB. FAIRWOOD D
7	+	MINNO DENNIS S+BRENDA J KERR	DAVIS RICHARD A+NANCY J	MINNO DENNIS S+BRENDA J KERR KERR BRENDA J ET VIR	05/09/1990	WARRANTY DEED	0000	199005090795	LOT 08 LOREE ESTATES LOT. 08 LOREE ESTATES
8	+	MINNO DENNIS S+BRENDA J KERR	MINNO DENNIS S+BRENDA J KERR KERR BRENDA J ET VIR	WASHINGTON MUTUAL SAVINGS BANK CHICAGO TITLE INSURANCE CO	05/09/1990	DEED OF TRUST	0000	199005090796	LOT 08 LOREE ESTATES LOT. 08 LOREE ESTATES

# King County Superior Court Clerk's Office

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03-2-16192-6 SEA

BREWER ET AL VS CNA INDUSTRIAL ENGINEERING INC DBA ET ANO

Commercial - Completed/Re-Completed

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## Documents

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### Documents List

Sub Number	Date Filed	Document Name	Additional Information	Page #	Seal
1	01/22/2003	SMCMP - Summons and Complaint	SUMMONS & COMPLAINT	8	
2	01/22/2003	*ORSCS - Order Setting Case Schedule	SET CASE SCHEDULE 06-14-2004ST	6	
3	01/22/2003	CICS - Case Information Cover Sheet	CASE INFORMATION COVER SHEET	3	
4	02/26/2003	CS - Confirmation of Service	CONFIRMATION OF SERVICE	1	
5	03/03/2003	NTAPR - Notice of Appearance	NOTICE OF APPEARANCE /DEFS	3	
6	04/14/2003	AN - Answer	ANSWER /DEFS	5	
7	07/14/2003	CJNSC - Confirmation of Joinder - No Status Conference Needed	CONFIRM. JOIN.: NO STATUS CONFER.	2	
8	08/28/2003	AFSR - Affidavit / Declaration / Certificate Of Service	AFFIDAVIT/DECLARATION OF SERVICE	1	
9	10/14/2003	NTACA - Notice of Address Change	NOTICE OF ATTY CHANGE OF ADDRESS	3	
10	12/05/2003	ORCJ - Order for Change of Judge	ORDER FOR CHANGE OF JUDGE	1	
11	02/17/2004	PTR - Pre-Trial Report	PRE-TRIAL REPORT /JOINT	2	
12	03/26/2004	AFSR - Affidavit / Declaration / Certificate Of Service	AFFIDAVIT/DECLARATION OF SERVICE	1	

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11/30/2022



Sub Number	Date Filed	Document Name	Additional Information	Page #	Seal
13	04/02/2004	NTWSUB - Notice of Withdrawal and Substitution Of Counsel	NOTICE WITHDRAW & SUBSTITUT COUNSEL	3	
14	04/06/2004	NTMTDK - Note for Motion Docket	NOTE FOR MOTION DOCKET 04-14-2004	2	
15	04/06/2004	DCLR - Declaration	DECLARATION /LARRY COOK	3	
16	04/06/2004	DCLR - Declaration	DECLARATION/ H T ROMERO	3	
17	04/06/2004	MT - Motion	MOTION TO FILE AMENDED ANSWER/DEF	8	
18	04/12/2004	DCLR - Declaration	DECLARATION OF SUSAN M JOHNSON	28	
18A	04/12/2004	RSP - Response	RESPONSE TO DEFS MTN TO AMEND/PLTF	11	
19	04/13/2004	RPY - Reply	REPLY /DEF	4	
20	04/14/2004	ORJPR - Order Requiring Joint Pretrial Report	ORD REQUIRING JOINT PRETRIAL REPORT	4	
21	04/15/2004	ORDYMT - Order Denying Motion / Petition	ORDER DENYING MOTION/PETITION TO	2	
22	04/30/2004	NTHG - Notice of Hearing	NOTICE OF HEARING 05-28-2004	2	
23	04/30/2004	MTSMJG - Motion for Summary Judgment	MOTION FOR SUMMARY JUDGMENT	8	
24	04/30/2004	DCLR - Declaration	DECLARATION OF LARRY COOK	12	
25	05/17/2004	NTSSTD - Notice of Settlement and Authorization for Clerk to Strike Trial Date	NT STLMT/AUTH CLRK STRK TRIAL DATE	2	
26	06/04/2004	ORDSMS - Order of Dismissal - Stipulated	ORDER OF DISMISSAL - STIPULATED	2	

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## **Sales Leads Developed By Technology Sales Leads, Boston, MA For Performa LLC**

1. Bay State Milling, Boston, MA
2. Briggs & Stratton, Wauwatosa, WI
3. Badger Meter, Milwaukee, WI
4. Raynor Garage Door, Dixon, IL
5. First Alert, Aurora, IL,
6. Borg Warner, Muncie, IN
7. Adtran, Huntsville, AL
8. Western Digital, San Jose, CA
9. Grocery wholesaler, Midwest
10. Orange City Beef, Orange City, IA
11. Bio-Lab, Lawrenceville, GA
12. Brightstar, Miami, FL
13. Rockwell Collins, Cedar Rapids, IA
14. Rocketdyne, Folsom, CA
15. Steel and Pipe Supply, Manhattan, KS
16. Samsonite Headquarters, Denver, CO
17. Holland Group, Holland, MI

# King County Superior Court Clerk's Office

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04-2-03886-3 SEA

ALLEGENT DBA VS SHIPNOW INC

Commercial - Completed/Re-Completed

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1	02/10/2004	SMCMP - Summons and Complaint	SUMMONS & COMPLAINT	5	
2	02/10/2004	*ORSCS - Order Setting Case Schedule	SET CASE SCHEDULE 07-05-2005ST	5	
3	02/10/2004	CICS - Case Information Cover Sheet	CASE INFORMATION COVER SHEET	3	
4	02/10/2004	AMCPT - Amended Complaint	AMENDED COMPLAINT	3	
5	03/01/2004	MTDFL - Motion for Default	MOTION FOR DEFAULT	6	
6	03/01/2004	ORDFL - Order of Default	ORDER OF DEFAULT	2	
7	03/01/2004	DCLRM - Declaration of Mailing	DECLARATION OF MAILING	2	
10	03/09/2004	MTDJ - Motion for Default Judgment	MOTION FOR DEFAULT JUDGMENT / PLA	13	
11	03/09/2004	AFSRML - Affidavit/Declaration/Certificate of Service By Mail	AFFIDAVIT OF SERVICE BY MAIL	3	
12	03/09/2004	DCLR - Declaration	DECLARATION OF JOAN RITTER	20	
13	03/09/2004	DCLR - Declaration	DECLARATION OF DARRELL C PRAY	2	
8	03/09/2004	DFJG - Default Judgment	DEFAULT JUDGMENT	4	
9	03/09/2004	CB - Cost Bill	COST BILL - \$272.61	1	

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11/30/2022

Sub Number	Date Filed	Document Name	Additional Information	Page #	Seal
14	05/18/2004	AFSR - Affidavit / Declaration / Certificate Of Service	AFFIDAVIT/DECLARATION OF SERVICE	2	
15	05/18/2004	MT - Motion	MOTION TO VACATE DEFAULT JUDGMENT	14	
16	05/18/2004	NTHG - Notice of Hearing	NOTICE OF HEARING /VACATE DFLT JDGM 05-26-2004	2	
17	05/18/2004	DCLR - Declaration	DECLARATION LAURIE LOOTENS CHYZ	3	
18	05/18/2004	DCLR - Declaration	DECLARATION MICHAEL J KURGEN	5	
19	05/20/2004	ORTSC - Order to Show Cause	ORDER TO SHOW CAUSE/VACATE DFLT JGD 06-02-2004T1	2	
20	05/20/2004	NTMTDK - Note for Motion Docket	NOTE FOR MOTION DOCKET 06-02-2004T1	2	
21	05/20/2004	MTSC - Motion for Order to Show Cause	MOTION FOR ORDER TO SHOW CAUSE	2	
22	05/24/2004	AFSR - Affidavit / Declaration / Certificate Of Service	AFFIDAVIT/DECLARATION OF SERVICE	1	
23	06/01/2004	AFSR - Affidavit / Declaration / Certificate Of Service	AFFIDAVIT/DECLARATION OF SERVICE	1	
24	06/01/2004	AF - Affidavit	AFFIDAVIT /MARK P BLENDE	19	
25	06/01/2004	OB - Objection / Opposition	OPPOSITION TO MTN VACATE/PLTF	18	
26	06/01/2004	RPY - Reply	REPLY IN SUPP OF MTN TO VACATE/DEFT	2	
27	06/01/2004	DCLR - Declaration	DECLARATION OF KENNETH HART	29	
28	06/01/2004	DCLR - Declaration	DECLARATION OF JONATHAN SHANOWER	5	
29	06/01/2004	DCLR - Declaration	DECLARATION OF LARRY G IVANJACK	18	
30	06/01/2004	DCLR - Declaration	DECLARATION OF DARRELL C PRAY	20	
31	06/02/2004	MTHRG - Motion Hearing	MOTION HEARING	1	
31A	06/02/2004	MTHRG - Motion Hearing	MOTION HEARING	1	
32	06/03/2004	AFSR - Affidavit / Declaration / Certificate Of Service	AFFIDAVIT/DECLARATION OF SERVICE	1	
33	06/14/2004	DCLR - Declaration	DECLARATION OF KENNETH W HART	8	
34	06/14/2004	NTPRES - Notice of Presentation	NOTICE OF PRESENTATION 06-22-2004	2	
35	06/14/2004	NTHG - Notice of Hearing	NOTICE OF HEARING /PRES ORDER 06-22-2004	2	

Sub Number	Date Filed	Document Name	Additional Information	Page #	Seal
36	06/18/2004	AFSR - Affidavit / Declaration / Certificate Of Service	AFFIDAVIT/DECLARATION OF SERVICE	2	
37	06/18/2004	OB - Objection / Opposition	OPPOSITION TO NT OF PRES/DEF	6	
38	06/18/2004	DCLR - Declaration	DECLARATION OF SARAH DUNNE	21	
39	06/24/2004	RPY - Reply	REPLY /PLT RE DEFAULT &TERMS	7	
40	07/01/2004	ORV - Order Vacating	ORDER VACATING DEFAULT W/TERMS	2	
41	07/12/2004	AFSR - Affidavit / Declaration / Certificate Of Service	AFFIDAVIT/DECLARATION OF SERVICE	2	
42	07/12/2004	AFSR - Affidavit / Declaration / Certificate Of Service	AFFIDAVIT/DECLARATION OF SERVICE	2	
43	07/12/2004	NTIWD - Notice of Intent to Withdraw	NOTICE OF INTENT TO WITHDRAW	2	
44	07/13/2004	AMCPT - Amended Complaint	AMENDED COMPLAINT	8	
45	07/20/2004	CJPLD - Confirmation of Joinder - Pleading to be Filed	CONFIRM. JOIN.:PLEADING TO BE FILED	2	
46	02/01/2005	DIS - Disclosure	DISCLOSURE OF POSS PRIM WIT/ PLTF	6	
47	06/23/2005	NTAPR - Notice of Appearance	NOTICE OF APPEARANCE /DEF	2	
48	06/27/2005	ORDSMWP - Order of Dismissal With Prejudice	ORDER OF DISMISSAL WITH PREJUDICE	3	

[Go Back](#)



August 4, 2004

Mr. Benjamin Franco  
On-Scene Coordinator  
U.S. Environmental Protection Agency, Region 4  
61 Forsyth Street, SW, 11th Floor  
Atlanta, Georgia 30303

**Subject: CERCLA Emergency Response Action Report  
Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia  
EPA Contract No. 68-W-00-120  
TDD No. 4T-04-05-B-006**

Dear Mr. Franco:

The Tetra Tech EM Inc. (TtEMI) Superfund Technical Assessment and Response Team (START) is submitting five electronic copies of the CERCLA Emergency Response Action Report detailing activities conducted at Bio-Labs, Inc. This report summarizes field activities conducted at the site during the emergency response on May 25-26, 2004.

If you have any questions or need additional copies of the report, please contact me at (678) 775-3083 or Steve Pierce at (678) 775-3100.

Sincerely,

A handwritten signature in black ink that reads "Neil Daniell, MS".

Neil Daniell, MS  
START Project Manager

Enclosures (2)

cc: Matthew Monsees, EPA Project Officer  
Don Rigger, EPA Emergency Response Section Chief (letter only)  
R. Steve Pierce, START Leader (letter only)  
John Mitchell, START Emergency Response Team Leader (letter only)  
START File

**CERCLA EMERGENCY RESPONSE ACTION REPORT  
BIO-LABS, INC.  
CONYERS, ROCKDALE COUNTY, GEORGIA  
EPA CONTRACT NO. 68-W-00-120  
TDD NO. 4T-04-05-B-006**

**Prepared for**

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
Region 4, Emergency Response and Removal Branch  
61 Forsyth Street, SW, 11th Floor  
Atlanta, Georgia 30303**

**Prepared by**



**Tetra Tech EM Inc.  
Superfund Technical Assessment and Response Team Region 4  
1955 Evergreen Blvd, Suite 300  
Duluth, Georgia 30096**

CERCLA EMERGENCY RESPONSE ACTION REPORT  
BIO-LABS, INC.  
CONYERS, ROCKDALE COUNTY, GEORGIA

Revision 0

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY  
Region 4  
Atlanta, Georgia 30303

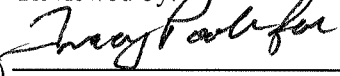
Contract No.	:	68-W-00-120
TDD No.	:	4T-04-05-B-006
Date Prepared	:	August 4, 2004
EPA Task Monitor	:	Ben Franco
Telephone No.	:	(404) 562-8743
Prepared by	:	Tetra Tech EM Inc.
START Project Manager	:	Neil Daniell
Telephone No.	:	(678) 775-3083

Prepared by:



Neil Daniell  
START Project Manager

Reviewed by:



John Mitchell  
START Technical Reviewer

Approved by:



R. Steve Pierce  
START Leader



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B	PHOTOGRAPHIC LOG
C	TABLE OF WITNESSES
D	AIR MONITORING DATA

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## 1.0 INTRODUCTION

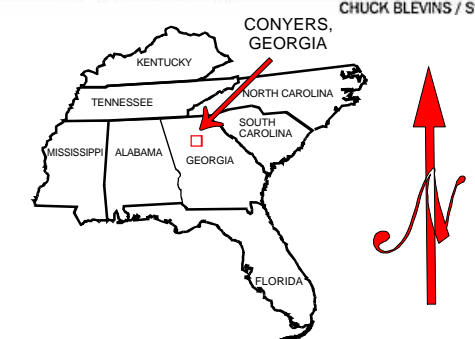
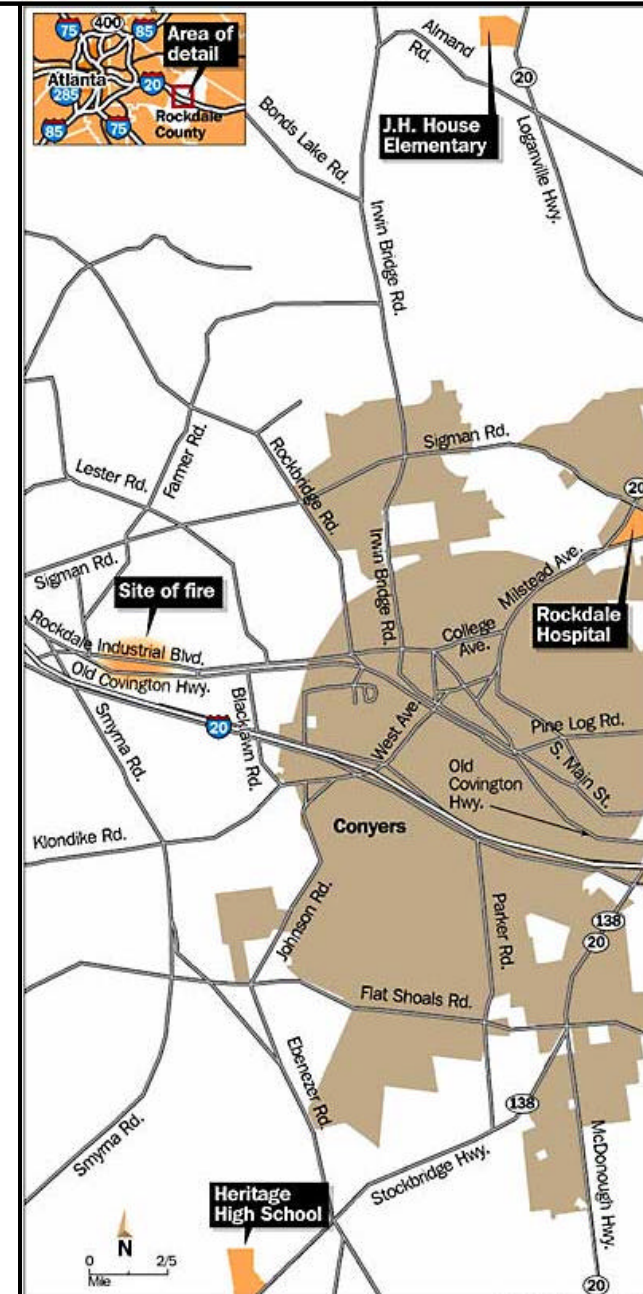
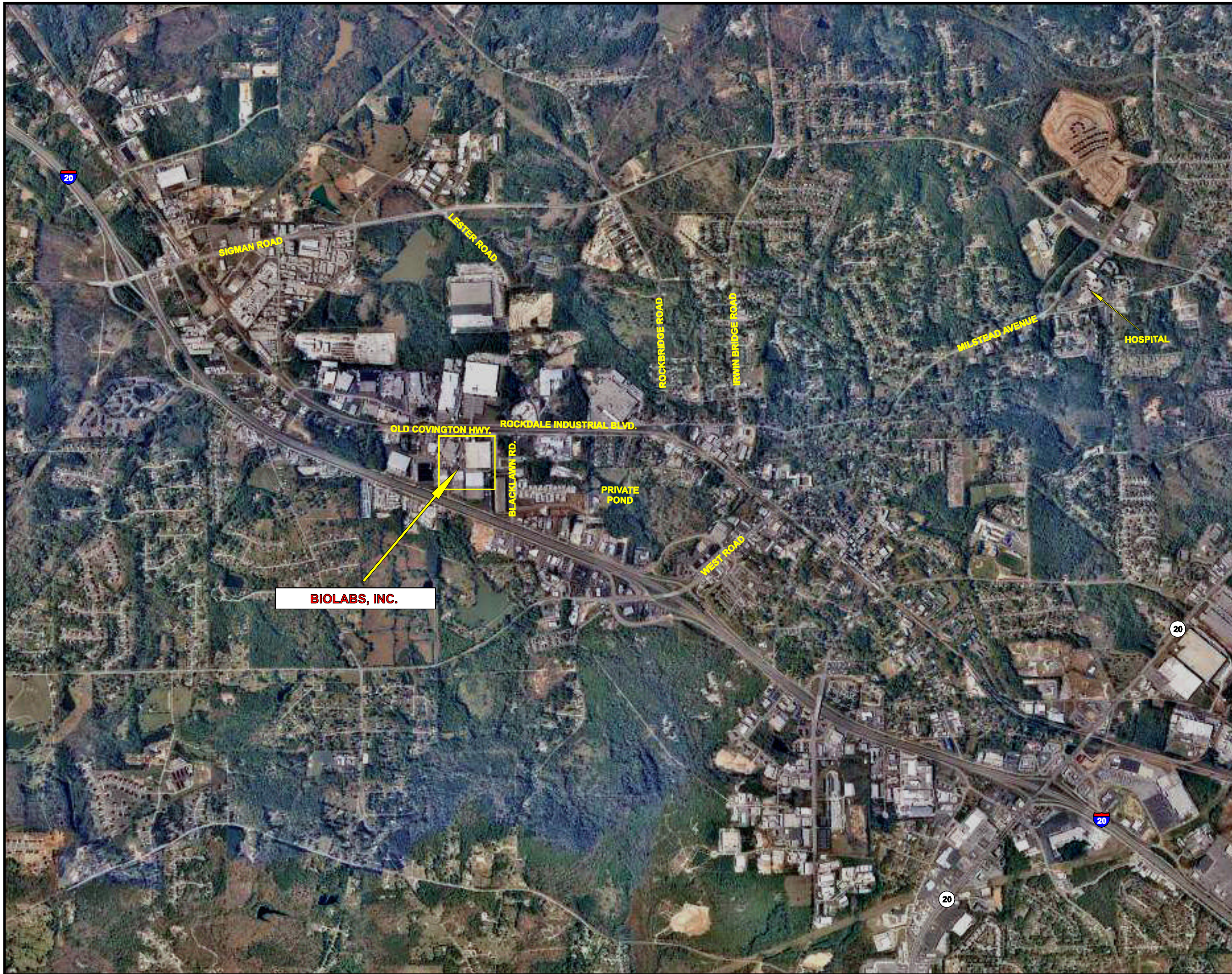
This report has been prepared under the provisions of Technical Direction Document (TDD) No. 4T-02-07-B-006, which the U.S. Environmental Protection Agency Region 4 (EPA) assigned to the Tetra Tech EM Inc. (TtEMI) Region 4 Superfund Technical Assessment and Response Team (START) under contract No. 68-W-00-120. The overall scope of this TDD, monitored by On-Scene Coordinator Benjamin Franco, was to provide technical assistance during emergency response activities at the Bio-Labs, Inc., fire near Conyers, Rockdale County, Georgia. Specific elements of the TDD included providing air monitoring, conducting multimedia sampling, documenting on-site conditions and activities with logbook notes (Appendix A) and photographs (Appendix B), and preparing a final report.

## 2.0 SITE BACKGROUND

Bio-Labs, Inc. (Bio-Labs), is a pool and spa care company located in Conyers, Georgia, about 30 miles east of Atlanta (see Figure 1). Site-specific geographic coordinates are latitude 33° 39'27" north and longitude 84° 0'33" west (Appendix D); the local address is 1700 Old Covington Highway, Conyers, Rockdale County, Georgia. On May 25, 2004, a fire broke out in Plant 14 Warehouse (Figure 2), a building that housed approximately 12.5 million pounds of pool chemicals and oxidizers (Federal Emergency Management Agency [FEMA] National Situation Report, May 26, 2004) (EPA Region 4 Pollution Report, Final) (see Figure 2). The local Rockdale County fire department responded to the blaze after a local police officer contacted the police dispatch.

Local authorities implemented a mandatory evacuation of residences and businesses within a 1.5-mile radius of the incident and urged voluntary evacuation of residents north of US Interstate 20 (I-20). Secondary roads adjacent to and leading into the affected area were closed, and I-20 was opened and closed intermittently as winds shifted. The Georgia Emergency Management Agency (GEMA) notified 21 counties in northeast and central Georgia about the plume and advised of them of plume modeling and air monitoring results. Temporary flight restrictions were put into effect by the Federal Aviation Administration.

GEMA, Environmental Protection Division (EPD) of the Georgia Department of Natural Resources, EPA, and the Agency for Toxic Substances and Disease Registry (ATSDR) responded to the scene (Appendix C). EPA contacted TtEMI START and requested that they responded to the scene to provide air monitoring and technical assistance.



BIOLABS FIRE  
 CONYERS, ROCKDALE COUNTY, GEORGIA  
 EPA CONTRACT No. 68-W-00-120  
 TDD No. 4T-04-05-B-006

FIGURE 1 - SITE LOCATION MAP



S:\1\040506 BIOLABS\FIG. 1.DWG

SOURCE: AERIAL PHOTOGRAPH MODIFIED FROM USGS AERIAL PHOTOGRAPH: URBANA REAS, CONYERS, GEORGIA, APRIL 6, 2002; RESOLUTION = 8 METERS. INSET MAP MODIFIED FROM ATLANTA JOURNAL CONSTITUTION ONLINE MAP, MAY 25, 2004. MAP NOT TO SCALE.



APPROXIMATE SCALE  
1 inch = 2,346 feet



SOURCE: MODIFIED FROM USGS AERIAL PHOTOGRAPH:  
URBAN AREAS, ATLANTA, GEORGIA, APRIL 6, 2002.  
RESOLUTION = 2 METERS.

**BIOLABS FIRE**  
**CONYERS, ROCKDALE COUNTY, GEORGIA**  
**EPA CONTRACT No. 68-W-00-120**  
**TDD No. 4T-04-05-B-006**

**FIGURE 1 - SITE LAYOUT MAP**



S:\1\_0040506 BIOLABS\FIG. 2.DWG

### 3.0 EMERGENCY RESPONSE ACTIVITIES

At the request of EPA, TtEMI START responded to the fire at the Bio-Labs facility on May 25, 2004. Team member Neil Daniell arrived at the scene at approximately 0845 hours and met with OSC Franco and OSC Rick Jardine. The OSCs briefed TtEMI START on the situation, and START Daniell began coordinating and mobilizing START resources for the response. A second TtEMI START team consisting Alan Whitt and Rich Kaiser arrived at the scene approximately 30 minutes later. The group briefly discussed site activities and began calibrating air monitoring equipment necessary to provide air monitoring support. Donna Majewski, Bio-Labs corporate representative, indicated that possible airborne contaminants were chlorine, hydrochloric acid, and hydrogen bromide. However, Ms. Majewski suspected that hydrogen bromide might not be present because the portion of the plant that should have contained bromide compounds had burned earlier in the morning.

TtEMI START performed both general and contaminant-specific air monitoring. General air monitoring was conducted using a Draeger MiniWarn 4-gas meter. The 4-gas meter measures percent oxygen, percent lower explosive limit (LEL), hydrogen sulfide, and carbon monoxide. TtEMI START conducted contaminant-specific air monitoring using MDA Scientific single-point monitors (SPM). SPMs were used to measure chlorine and hydrochloric acid.

Initial air monitoring of the plume was conducted by two teams because of the size of the plume and the need to find the outer reaches of the plume. The plume direction during initial air monitoring (1050 hours) was east and parallel to I-20 on the south and Old Covington Highway to the north. START Whitt and Kaiser, along with OSC Jardine, formed Team 1 and mobilized eastward down I-20 toward the eastern edge of the plume. Team 1 monitored for percent oxygen, percent LEL, hydrogen sulfide, carbon monoxide, chlorine, and hydrochloric acid. START Daniell formed Team 2 and mobilized eastward down Old Covington Highway toward the downtown district of Conyers and the evacuated areas. Team 2 monitored for chlorine.

The results of the initial monitoring indicated that hazardous atmospheres were not present outside of the visible plume (Table 1, Appendix D). Oxygen, percent LEL, hydrogen sulfide, and carbon monoxide were not detected at levels of concern. Team 1 did not detect chlorine or hydrochloric acid at any point along the eastern edge of the plume, beginning at Georgia Highway 20 and moving eastward to Georgia Highway 11. Team 1 also did not detect chlorine or hydrochloric acid along the southern edge of the plume and south of I-20. Team 2 found that chlorine gas was present in the plume above the NIOSH recommended exposure limit (REL). The REL for chlorine was exceeded along Old Covington Highway near Blacklawn Road. However, chlorine gas was not detected above the REL between West Road and Georgia Highway 20.

After the initial air monitoring results, the air monitoring teams returned to the staging area and met with a TtEMI START DiDi Fung and Bess Blyler (Team 3) at approximately 1300 hours. START Blyler and Fung brought additional EPA equipment that could be used to detect other compounds in the plume. The teams discussed the results of the initial sampling episode and decided to expand the search for other compounds based on compounds known to be present in the facility. Also, the group decided to concentrate air monitoring activities on the areas closest to the facility due to minimal levels detected beyond West Road.

TtEMI START calibrated the additional air monitoring equipment and set up six SPMs to monitor for hydrogen bromide, phosgene, hydrochloric acid, and chlorine. Team 2 and Team 3 combined to monitor the plume near the facility for hydrogen bromide, phosgene, hydrochloric acid, and chlorine. Team 1 went to check on a complaint in a nearby county and monitored for hydrochloric acid and chlorine. During the second monitoring event, the plume direction was initially east of the facility and then shifted toward the northeast. The thickest portion of the plume was initially near Blacklawn Road and 3<sup>rd</sup> Avenue SW, and the plume later migrated toward Lester Road and Rockdale Industrial Boulevard.

The results of the second air monitoring event indicated that hazardous concentrations were present in the plume (Appendix D). In the thickest portions of the plume, TtEMI START detected hydrogen bromide, and hydrochloric acid at concentrations above the PEL, and chlorine was detected at concentrations above the short-term exposure limit (STEL). Phosgene was detected by TtEMI START but at concentrations lower than the PEL. In the thinner portions of the plume, chlorine gas was detected at levels less than the REL. Outside of the plume, TtEMI START did not detect any compounds; however, the group noted a chlorine odor even when the levels were well below the PEL, thus indicating a low odor threshold for chlorine. No compounds were detected south of I-20 or between West Road and Georgia Highway 20, and Team 1 did not detect any compounds in the adjacent county. In addition, no compounds were detected at the Rockdale County Hospital and TtEMI START detected along Milstead Avenue.

During the second air monitoring event, runoff water was observed flowing from the Bio-Labs facility and into a storm water drain along Blacklawn Road (Figure 2). TtEMI START tested the water with pH paper and found the pH to be approximately zero. The outfall of the storm water drain was traced to a private pond on VFW Drive (Figure 2). Water flowing into the pond had a pH of zero (west side of VFW), and water in the pond had a pH of approximately 4 to 5. Further into the pond, the water had a pH of approximately 6. EPA and EPD were notified of the situation.

As night approached, support equipment and personnel were brought in to assist with air monitoring. The new equipment included single-gas monitors to detect hydrogen sulfide, hydrogen cyanide, and chlorine.

Cooler temperatures tend to cause vapors to linger closer to the ground, so TtEMI START expanded the air monitoring search based on data published in the Canadian Builders Digest, CBD-144, Toxic Gases and Vapours Produced at Fires. In addition, the U.S. Coast Guard (USCG) Gulf Strike Team (GST) was brought in to assist with air monitoring.

TtEMI START calibrated the additional air monitoring equipment and set up six SPMs to monitor for hydrogen bromide, phosgene, hydrochloric acid, and chlorine. Specific areas monitored during the third air monitoring event included the Rockdale County Hospital, Highway 138 North, Highway 20 North, House Elementary School, Lakeview Estates, and the Rocky Ridge Road area. These locations were discussed during an incident command conference call with EPA, GEMA, the Centers for Disease Control, and health department personnel. Teams 1, 2, and 3 combined to monitor north of Sigman Road and in the area that the plume was predicted to migrate. The USCG GST was stationed at the Rockdale County Hospital throughout the night. During the third monitoring event, the plume direction continued to be northeast of the facility, and the thickest portion of the plume was located near Lester Road and Rockdale Industrial Boulevard.

The results of the third air monitoring event indicated that no hazardous gases were present north of Sigman Road (Appendix D). However, hazardous concentrations continued to be present in the plume but at levels lower than previously detected. In addition, fewer compounds were detected inside the plume. In the thickest portions of the plume, TtEMI START detected chlorine at concentrations above the REL and hydrogen cyanide above the National Institute of Occupational Safety and Health (NIOSH) recommended exposure limits (REL). Hydrogen sulfide was detected in the plume at concentrations greater than three times background levels, but below the REL.

During the early morning hours of May 26, 2004, concern was raised about communities east of Conyers. The plume direction had begun to migrate to the east, so monitoring efforts were shifted eastward toward Covington. The results of the air monitoring in the Covington area indicated that chlorine was present at levels near the PEL. However, no other compounds were detected.

On the morning of May 26, 2004, TtEMI START did a sweep of both areas (east and northeast of the facility) impacted by the plume. The results of the monitoring efforts indicated that low levels of chlorine and hydrogen cyanide were east of the Bio-Labs facility along Blacklawn Road. No compounds were detected along VFW Drive, and no compounds were detected north of Old Covington Highway. In addition, no compounds were detected along Highway 20 or in the neighborhoods west of Highway 20.

After the air monitoring sweep was completed, EPD requested that air monitoring be done along the private pond and the outfall from the pond. A major fish kill had resulted from the runoff entering the pond, and EPD was overseeing sampling of the pond. TtEMI START mobilized to the area and began air monitoring for hydrogen cyanide, hydrogen bromide, hydrogen chloride, chlorine, and phosgene. The results of the air monitoring event found that no compounds were present around the pond or along the outfall from the pond. Upon completion of air monitoring around the pond and the outfall, TtEMI START demobilized from the site.

According to the National Oil and Hazardous Substances Contingency Plan (NCP), 40 CFR 300.415 (b)(1), at any release where the lead agency determines that the release poses a threat to public health or welfare or the environment, the lead agency make take any appropriate removal action to abate, prevent, minimize, stabilize, mitigate, or eliminate the release or the threat of release. Based on 40 CFR 300.415 (b)(1) and the analytical data collected for this site, future work at the Bio-Labs site may occur at the discretion of EPA's OSC.

#### **4.0 CONCLUSIONS**

On the morning of May 25, 2004, Plant 14 Warehouse on the Bio-Labs facility in Conyers, Georgia, caught fire. Local authorities implemented a mandatory evacuation for residences and businesses within a 1.5-mile radius of the incident and urged voluntary evacuation of residents north of US Interstate 20 (I-20). GEMA, Georgia EPD, EPA, and ATSDR responded to the scene, and EPA requested that TtEMI START provide air monitoring and technical assistance.

Tetra Tech mobilized to the Bio-Labs site and provided 35 hours of continuous support for the emergency response. Initial air monitoring of the plume was conducted by two teams because of the size of the plume and the need to find the outer reaches of the plume. The results of the initial monitoring indicated that hazardous atmospheres were not present outside of the visible plume. Chlorine gas and hydrochloric acid vapors were not detected at any point along the eastern edge of the plume, beginning at Georgia Highway 20 and moving eastward to Georgia Highway 11. TtEMI START also did not detect chlorine and hydrochloric acid along the southern edge of the plume or south of I-20. Chlorine gas was present in the plume above the OSHA PEL and above the STEL in the immediate area of the facility. The PEL was exceeded between West Road and the facility, and the STEL was exceeded in a valley along VFW Drive near 3<sup>rd</sup> Avenue SW. However, chlorine gas was not detected between West Road and Georgia Highway 20.



After the initial air monitoring results, TtEMI START brought in additional EPA equipment that could be used to detect other compounds in the plume. The teams discussed the results of the initial sampling episode and decided to expand the search for other compounds based on compounds present in the facility. The results of the second air monitoring event indicated that hazardous concentrations were present in the plume. In the thickest portions of the plume, TtEMI START detected hydrogen bromide, chlorine, and hydrochloric acid at concentrations above the PEL. Phosgene was detected by TtEMI START but at concentrations below the PEL. Only low levels of chlorine were detected immediately outside of the plume, and the level of chlorine detected was not above the PEL. No compounds were detected by TtEMI START south of I-20, at the Rockdale County Hospital, between West Road and Georgia Highway 20, or in the adjacent county.

During the second air monitoring event, runoff water was observed flowing from the Bio-Labs compound and into a storm water drain along Blacklawn Road. The outfall of the storm water drain was traced to a private pond on VFW Drive, where the water flowing into the pond had a pH of zero (west side of VFW) and water in the pond had a pH of approximately 4 to 5. TtEMI START notified EPA and the Georgia EPD of the situation.

During the early morning hours of May 26, 2004, concern was raised about communities east of Conyers. The results of the air monitoring in the Covington area indicated that chlorine was present at levels near the PEL. However, no other compounds were detected. On the morning of May 26, 2004, TtEMI START did a sweep of both areas (east and northeast of the facility) impacted by the plume and found low levels of chlorine and hydrogen cyanide east of the Bio-Labs facility along Blacklawn Road. No compounds were detected along VFW Drive, and no compounds were detected north of Old Covington Highway. In addition, no compounds were detected along Highway 20.

After the air monitoring sweep was completed, EPD requested that air monitoring be done along the private pond and the outfall from the pond. TtEMI START mobilized to the area and began air monitoring for hydrogen cyanide, hydrogen bromide, hydrogen chloride, chlorine, and phosgene. The results of the air monitoring event found that no compounds were present around the pond or along the outfall from the pond. Upon completion of air monitoring around the pond and the outfall, TtEMI START demobilized from the site. Based on 40 CFR 300.415 (b)(1) and the analytical data collected for this site, future work at the Bio-Labs site may occur at the discretion of the EPA OSC.

**APPENDIX A**  
**LOGBOOK NOTES**  
(17 Pages)

CONTENTS

PAGE	REFERENCE	DATE
	START personnel	5/25/04
	• Alan Whitt	
	• Rich Kaiser	
	• Neil Daniell	
	• Didi Fung	
	• Bess Blyler	
	• Tiffany Messier	
	• Charlie Parker	

"Rite in the Rain"®  
ALL-WEATHER WRITING PAPER



ALL-WEATHER  
HORIZONTAL LINE BOOK

Name Conyers Chemical Fire  
"BIOLAB"

Address \_\_\_\_\_

Phone \_\_\_\_\_

Project 4T-04-05-B-006

0196

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A, a unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

68-W-00-120

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Specifications for this book:

Page Pattern		Cover Options	
Left Page	Right Page	Polydura Cover	Fabrikoid Cover
Lined	Lined	Item No. 390N	Item No. 390NF

0800 Got van from EPA to investigate  
of Responses Station (Rack taken) 10:50

0925 Next DANIEL ADDRESS ON SITE

0945 ARRIVE @ BIOLAB FIRE  
OWNED BY GREAT LAKES CHEMICAL

@ CAYERS, GA.

- SPM for CO & HCL

we'll split-up to monitor

2 locations. SET-UP SPM EQUIP  
FOR CHLORINE & HCL

1055 BACKGROUND 0:50pm HCL &  
CHLORINE. LCL 0.0 %  
O2 20.50%, CO 0.0 ppm  
H2S 1.0 ppm. ~~ENTRANCE~~ (PK)  
ENROUTE TO I-20 & TO  
BSEEN ~~MONITORING~~ (PK).

1055 DOWN FULL FACE TO DRIVE  
I-20 S. BSEEN MONITORING

EXIT 90 - MONITORING BACKGROUND

GROUND ON HCL INSTRUMENTS

EXIT #82 - BACKGROUND ON ALL  
INSTRUMENTS

11:02 STATIONARY READINGS AT

*Michael*

Tuesday May 25, 2004 START

EXIT #82 3:20pm ~ CO

20.6 % O2; LCL 0.0, H2S

1.0 ppm HCL & CL - 0.2 ppm

GPS COORDINATES: 33° 37' 20" N

084° 04' 45" WEST

TO

1107 MOVING (Hot Spots)

1113 STATIONARY | 33° 37' 42" N

083° 56' 55" W

ALMOND RD. 0.0 LCL 20.0% O2

3.0 ppm CO 1.0 ppm H2S

0.0 ppm CHLORINE & HCL

LIGHT  
HAZES

MOVING TO EXIT #98

1121 EXIT #90 STATIONARY REMAINING

LCL 0.0 CL - 20.7, CO - 0.0

H2S - 0.0; HCL & CHLORINE -

0.0 ppm.

33 36 34 N - 083 53 02 W

LIGHT  
HAZES

CONTINUING TO EXIT #98

1131 EXIT #98

0.0 - LCL O2 - 20.5

CO - 0.0 ppm H2S - 0.0 ppm

HCL & CL - 0.0 ppm

GPS: 33 36 40 N 083 49 57 W

*BW*

Tuesday May 25, 2004 START  
 REMOVE Fuel Tracs. Atmosphere  
 IS CLEARER - MOVING TO  
 EXIT #101

1039 - Relay Readings (EPA - Rick)  
 DOT @ EXIT #98 before move  
 to EXIT #101

1042 STATIONARY READINGS (EXIT #101)  
 LCL - 0.0 O<sub>2</sub> - 20.9 CO<sub>2</sub> - 3.0  
 H<sub>2</sub>S - 0.0; HCL & CL - 0.0 ppm  
 GPS: 33 36 34 N; 083 41 58 W

1202 HEADING EAST ON I-20  
 TO MADISON. Will conduct  
 INVESTIGATION & TAKE ADDITIONAL  
 READINGS

1205 HIT REST AREA

1210 BACK ON THE ROAD - CONTINUING  
 ON I-20 EAST TO MADISON

1220 ARRIVE EN MADISON (EXIT #113)  
 LABORATORY CHEMISTS START @  
 GA 83 I-20

READINGS!  
 LCL - 0.0 O<sub>2</sub> - 20.9 →

START Tuesday May 25, 2004  
 CO - 0.0 ppm H<sub>2</sub>S - 0.0 ppm  
 HCL & CL - 0.0 ppm  
 GPS: 33 33 34 N  
 083 30 02 W

EPA (Rick) TAKES CONF CALL AT THIS  
 TIME. EPA PURCHASE MAPS  
 STATES EMPLOYER REPORTING OADR EARLIER THIS A.M.  
 NO OADR @ THIS TIME

1237 DOWNTOWN MADISON - READINGS!  
 LCL - 0.0; O<sub>2</sub> - 20.9, CO - 0.0, H<sub>2</sub>S - 0.0  
 HCL & CL - 0.0 ppm  
 GPS: 33 36 32 N; 083 32 15 W  
 EPA (Rick) ON CONFERENCE CALL

1254 HEAD TO RESIDENCE 1386 CEDAR DR.  
 TO INVESTIGATE INDIVIDUAL COMPLAINT  
 FROM EARLY A.M.

1302 ARRIVE @ 1386 CEDAR DR.  
 READINGS! LCL - 0.0; O<sub>2</sub> - 20.9, CO - 0 ppm  
 H<sub>2</sub>S - 0.0 ppm; HCL & CL - 0.0 ppm  
 GPS: 33 39 24 N, 083 22 10 W

1304 DEPART 1386 CEDAR DR.

1312 RETURN TO EPA (Rick) - DECIDE  
 TO HEAD BACK TO COMMAND POST  
 J. Neil Donnell

Tuesday May 25, 2004 START

1351 Back I-20 Roadblock @

Exit #88

LSC-0.0, O<sub>2</sub>-20.9 CO-0.0 ppm

H<sub>2</sub>S-0.0 ppm HCL & CL-0.0 ppm

GPS-33 36 45 N, 083 44 43 W

Partly <sup>cloudy</sup> ~~cloudy~~ Hazy & HOT

1411 Exit #84 on I-20 West

Readings (Stationary)

LSC-0.0, O<sub>2</sub>-20.9, CO-0.0 ppm

H<sub>2</sub>S-0.0 ppm, HCL & CL 0.0 ppm

GPS: 33 38 09 N; 083 58 32 W

CONTINUE W TOWARD COMMAND POST.

1420 Exit #80 @ I-20 W

STATIONARY READINGS:

LSC-0.0; O<sub>2</sub>-20.9, CO-2 ppm

H<sub>2</sub>S-0.0 ppm HCL & CL-0.0 ppm

GPS: 33 39 34 N; 084 01 17 W

1424 STATIONARY READINGS

LSC-0.0 O<sub>2</sub>-20.9 CO-2 ppm

H<sub>2</sub>S-0.0 ppm

HCL & CL-0.0 ppm

GPS 33 40 05 N; 084 02 24 W →

J. McDaniel

START Tuesday May 25, 2004  
CONTINUE TO COMMAND POST

1430 Back @ Comm. Post. Adjusting  
NEW/ADDITIONAL INSTRUCTIONS

EQUIPMENT: SPM mfg by: MDA  
SCIENTIFIC

1433  
~~1430~~ BEGIN NEW MONITOR MISSION

~~1548~~ HCL & CL-0.0 ppm

1446 GPS: 33 40 31 N  
084 02 16 W

CL-0.24 ppm

~~1548~~ HCL 2.20 ppm  
1448 CL-0.41 ppm

GPS 33 40 27 N

084 02 07 W

1450  
~~1550~~ GPS: 33 40 27 N  
084 01 48 W

HCL 0.0 CL-0.08 ppm

J. McDaniel

8  
**1653** Tuesday May 25, 2004  
GPS: 33 40 39 N, 084 01 47 W  
HCL 0.00 ppm  
CL 0.12 ppm

**1658** GPS: 33 40 28 N  
084 02 18 W  
CL ~~0.0~~ ppm  
HCL 0.0 ppm

**1700** 33 40 38 N  
084 02 22 W  
CL - 0.17 ppm  
HCL 0.90 ppm

MISSION #3

**1750** GPS: 33 40 33 N 84 02 18 W  
HCL ~~0.5~~ 5.7 (15+)  
CL 0.61 0.95  
(1.50+)

**1753** HCL 15.0+ ppm  
CL ~~1.5~~ + 1.50+ ppm  
GPS: 33 40 28 N  
084 02 25 W

Small tunnel

9  
START Tuesday May 25, 2004  
**1814** GPS: 33 40 59 N, 084 01 49 W  
CL 0.08 ppm  
HCL 0.0 ppm  
1496 ~~From~~ <sup>Rock</sup> Brewer rd. (fines ca.)

**1818** GPS: 33 40 28 N 084 01 47 W  
CL: 0.0 ppm  
HCL: 0.0 ppm  
Haven & Rock

**1829** GPS:  
CL 0.0 ppm  
HCL 0.0 ppm

**1840** Discovers low pH runoff  
33 40 17 N  
084 02 23 W

Blacklag rd. ~~near~~ <sup>near</sup> Biology Faculty  
Water rd Across Park Lot, through  
Grass Field

**1850** TEST VFW Lakes 33 40 14 N  
INLET - Low pH ~ 1.0 84 02 04 W  
+ Bromens

ENTRANCES @ Lakes 1-2  
at mouth of lakes. All 5 to 9  
NOTIFIED DNR - They'll bring the trench →

→ For Removal

START Tuesday May 25, 2004

1920 | CONTINUOUS AIR MONITORING

GPS: 33° 41' 08" N, 84° 01' 27" W

CL: 0.0 ppm

HCL: 0.0 ppm

(KINGSTON) GPS: 33° 41' 14" N 084° 01' 23" W

JAMES  
BRIDGE CL: ~~0.0~~ ppm → 0.07 ppm

HCL: 0.0 ppm

1927

SIGMAN GPS: 33° 41' 20" N 084° 01' 19" W

JAMES  
BRIDGE CL: 0.08 ppm TO 0.09 ppm

HCL: 0.00 ppm

1929

JAMES  
BRIDGE CL: 0.12 ppm → 0.08 ppm

KINGSTON HCL: 0.0 ppm

BSGEM RETURN TO COMMAND POST

1936 | Return to Command Post

START AIR WHITT & Rich

Kaiser offsite. START C. Parker &

T. Messier onsite.

2000 @ see OSC's onsite currently

K. Jones, B. Franco, R. Jardine, &

T. Byrd. No air monitoring at this

B. Blyler

START Tuesday May 25, 2004

time. OSC's & START

Daniell in meet meetings.

START Blyler & Messier

Messier updating our monitoring  
data base.

21:30 Currently START onsite

Blyler, Parker, Fung, Messier &

Daniell. OSCs still in

meetings. Coast Guard

on site 5-person team.

Weather currently, wind 4-10 mph

no fog at this time, dark

night haze over moon.

23:31 - PREPARE TO DEPART SITE,  
to obtain more READINGS  
of CL

• PRESS: CHARLIE

• R. Jardine - Didli Fung

• H. DANIELLS, T. MESSIER

T. Boyd.

23:35 - DEPART SITE, 1<sup>st</sup> STOP  
HOSPITAL.



START Tuesday May 25, 2004

HCl Cl Phosgene HBr HCN

Neil Daniel

⊖ ⊖ ⊖ ⊖ ⊖

Neil

START

OUTTER PERIMETER OF PLUME  
HS (HYDROGEN SULFIDE)

LOCATION/TIME  
IRWIN/Sigma  
(CLOUD PLUM)

@ 23:55

NO READINGS

ROCKDALE HOSP.

@ 23:55

NO READINGS

Sigma/Walnut  
CIRVE

70-138 24:06

INTERSECTION

33 40 N  
W

NO READINGS

Panel

START TUESDAY May 25, 2004

23:55- ARRIVE @ ROCKDALE  
HOSPITAL

R. JARDINE MOB TO  
INFORM HOSPITAL ADMIN.  
OF CG SET-UP TO OBTAIN  
READINGS.

23:58- SET-UP IN UPPER PARKING  
LOT, NO READINGS ACQUIRED

START WEDNESDAY May 26, 2004

24:02- DEPART HOSPITAL, TO BEGAN  
ROUTE

24:06- BEGAN ON GAZON  
NO READINGS

24:08- PROCEED JCT 138 (E) @  
LEFT @ WALNUT GROVE Rd  
FOR ABOUT 3 MILES @  
READINGS

24:13 Passing over Yellow  
River 2.6 MILES FROM  
INTERSECTION OF ~~WALNUT GROVE~~  
@ WALNUT GROVE  
33 41.2804 N  
83 57.7143 W  
NO READINGS, ~~NO~~ ODDOR

START WEDNESDAY May 26, 2004

24:19 4 MILES ON WALNUT  
GROVE, STRONG ODDOR,  
NO READINGS 0.00ppm

24:20- 138 E - WHITE Rd  
STRONG ODDOR,  
NO READINGS 0.00ppm  
33° 42' 04" N  
83° 56' 89" W

24:22- LEFT ONTO WHITE RD  
SLIGHT ODDOR, NO READINGS  
ON OUTER EDGE OF PLUME.  
RESIDENTIAL AREA.

24:29- INTERSECTION OF BLACK/  
WHITE ST. OBSERVED  
ODOR.

24:30 INTERSECTION OF  
WHITE/HIGHTOWER (W)  
NO READINGS OBTAINED 0.00ppm  
33 47 50 N  
83 57 94 W  
J. M. [Signature]

START WEDNESDAY May 26, 2004  
24:32 - PROCEED ON WHITE ST.  
STILL IN RESIDENTIAL AREA.

24:35 2100 ~~WATERED~~ <sup>HIGHTOWER</sup> FIRE STATION  
#5 (NO READINGS)

24:37 - INTERSECTION HIGHTOWER  
GA 20 33° 44' 27"  
83° 59' 53"  
NO READINGS 0.00PPM

24:39 PROCEED @ (L) ON GA 20 HWY  
HEADING

24:43 - J. H. HOUSE SCHOOL ELEM.  
NO READINGS 0.00PPM  
33 43 31  
84 00 37  
AMERICA RED CROSS Station  
M.M. 5 (DIABETER RELF  
Station)

24:46 - PROCEED ON HWY GA 20 (S)

*J. McDaniel*

START WEDNESDAY May 26, 2004

24:52 - GA HWY 20 (S) - YELLOW RIVER  
33° 41' 54"  
83° 59' 01"  
NO READINGS 0.00PPM

24:57 - MILSTEAD / Sigman Rd  
L (NO READ 0.00PPM)

01:31 - PROCEED TO MOVE CLOSER  
TO PLUME. TO GATHER  
ST. PT. READINGS 0. COVINGTON /  
Main St. ENTERING  
COMMERCIAL AREA

01:36 - PLUME MOVED TO EAST  
IRWIN BR. / Main St.  
STRONG ODOOR  
33 40 44 N  
84 01 48 W  
PROCEED INTO PLUME.  
STRONG ODOOR

*J. McDaniel*

START WEDNESDAY May 26, 2004

01:42 ROCKBRIDGE/MAIN

1.3 HCN  
 0.0 HCL  
 0.0 PHOS.  
 0.0 HBR  
 2.0 H<sub>2</sub> CYNIDE  
 0.80 CL (SPM)  
 .45 CL (DANIELLS)

01

02:45 LITHONIA LIGHTING  
 HCN CYN. 2.1-2.7  
 CL .79 PPM SPM  
 CL .50 (DANIELLS)

01

03:48 CL 1.20 PPM RR on Main  
 33 40 45  
 84 02 14  
 PLUME DUE EAST  
 \* HIGH OF PLUMB  
 STRONG ODOR

*J. Daniel*

START WEDNESDAY MAY 26, 2004

01:53- 1601 Bidlab READINGS OF CL  
 DROPPED 0.00 PPM BURNING  
 OF BLDG. ACROSS STREET  
 Ashley - INDUSTRIAL PARK

02:00 - PROCEED BACK INTO  
 PLUME

02:04 MAIN/VESTER

HCN 7.6 ppm - 5.5 ppm  
 CL 1.50+ ppm  
 HBR 0.0 ppm  
 Pho. 0.0 ppm  
 HCL - 0.0 ppm  
 HCN - 4.4 ppm - 5  
 33 40 46  
 84 02 30

02:09

HBR - 0.00 ppm  
 Pho - 12.0 ppm  
 CL - 0.0 ppm  
 33 40 45 @ AMERICA LIGHTING  
 84 02 02 ELECTRIC

*J. Daniel*

START WEDNESDAY May 26, 2004

02:15 PLUMB HAS SHIFTED  
NE and has RISEN

02:18 PACTIV Package Co.  
HCN 0.0 - 1.3 PPM  
CL .35 - .50

02:33 NORTHRIDGE / ROCKY RIDGE  
CL - 0.00  
HBR - 0.00  
PHOS - 0.00  
HCL - 0.00  
HCN - 0.00 - 0.05  
33 41 49  
84 01 15  
AREA OF EVACUATION  
RESIDENTIAL

02:37 FARMER / IRWIN Bridge  
33 42 15  
84 01 94  
0.00 NO PETITION

*J. McDaniel*

START WEDNESDAY May 26, 2004

04:04 - DEPART SITE TO MOIB  
to CONGRESS COVINGTON  
TO CHECK LOCAL SCHOOL'S  
B/C THEY ARE STILL IN  
SESSION.

04:22 EX#93 OFF I-20E  
@ HWY 142

04:24 33° 36' 66" ↓  
83° 49' 58"

@ EXXON ST. FLASH FLOOD  
HC - 0.4  
HS<sub>2</sub> - 0.0  
CL - 0.0 - 0.0  
HCL 0.0  
HCN 0.0  
PHO. 0.0  
HBR 0.0

04:30 - E 142

04:33 238 W (SR) 12  
TOWARD COVINGTON

*J. McDaniel*

START WEDNESDAY May 26, 2004

04:39- EMORY ST.

33 36 15

83 51 85

HCM .8 ppm

04:43 819 MM 10

33 35 44

83 52 53

HCM .5 ppm

04:47 819 MM - 2 MILES

33 34 77

83 52 91

HCM .7 ppm

@ B&H PAINT BODY SHOP.

04:55 814 MM-12

33 36 60

83 52 01

HCM 1.0

*J. Daniel*

START WEDNESDAY MAY 26, 2004

04:59 814 (EMORY ST.)

PALMER STONE ELEM.  
SCHOOL

33 36 90

83 52 04

HCM .5 ppm

~~05:10~~ BACK

05:10 BACK ON-SITE CONDUCTED MEETING, EXPLAIN SHIFT CHANGES, AND DUTIES FOR NEXT CREW.

05:30 - LOADED INFORMATION ONTO SPREADSHEET OF SAMPLE LOCATIONS. MONITORING WILL CONTINUE UNTIL OTHER WBE NOTIFIED.

*J. Daniel*

06:00 START WEDNESDAY May 26, 2004  
Ed - Coast Guard

- DATA RAM 6-10 mg
- CL - 7.2 ppm

07:00 - DEPART COMMAND POST

ROCKDALE  
07:05 - BIOLAB - 1601 INDUSTRIAL  
33 40 67  
84 02 38  
0 - NO DETECT

07:08 - LESTER / INDUSTRIAL

33 40 46  
84 03 43

CL - .13 ppm

H<sub>2</sub>N ~~RAM~~ .1

STRONG ODOR

07:11 RR - E OF LESTER

Partiv

CL .22

H<sub>2</sub>N ~~RAM~~ 1.5

STRONG ODOR

*by Neil Donnell*

START WEDNESDAY May 26, 2004

07:13 MAIN / ROCKBRIDGE 2851  
0 - DETECT

07:23 MAIN / IRWIN  
0 - DETECT

07:28 - PROGRESSING DOWN P.R.  
ADJACENT  
0 - DETECT

07:30 ENTERED DOWNTOWN  
CONVEYES 0 - DETECT

07:31 MAIN / MILSTEAD AVE  
ROCKDALE COURTHOUSE  
958 — 1515 KLEAVE  
0 - DETECT

07:37 - COLLEGE - SPRINGWOOD  
1171 - 1421  
0 - DETECT

07:40 - Coast Guard @ Hospital  
CALLED w/ 96mg particulate  
HE SPOKE w/ HOSPITAL ADMIN  
and they decided to turn  
A.C. back on, due to VITAL  
EQUIPMENT

START WEDNESDAY May 26, 2004  
 07:42 LAKEVIEW / MCCORDS CORNER  
 1251 → 1125 →  
 STRONG ODOOR, OUTTER EDGE  
 OF PLUME (RESIDENTIAL)  
 0 - DETECT

07:48 CONYER Station Residential  
 PLUME ENCOMPING AREA.

08:08 - MTN. VIEW - IRWIN BRIDGE  
 0 - DETECTION

08:11 SIGMA : SIGMA E  
 0 - DETECTION

08:16 - ROCKDALE HSP.  
 0 - DETECT, PROCEEDING  
 DOWN MILWAUKEE

WIND SHIFT 5  
 to 89 par.

*J. McDaniel*

START WEDNESDAY 26, 2004 (May)  
 08:33 - WEST / 3<sup>RD</sup>  
 NO DETECT, ODOOR

08:37 1650 WEST ST.  
 .25 CL  
 4.8 HCN -  
 .55 CL

08:44 1.5 HCN BLACKLAW / OLD  
 .89 CL COV.

08:46 DOGWOOD / BLACKLAW  
 0 - DETECTION

08:51 HCN - 3.5  
 DIRECTLY IN FRONT  
 OF BIOLAB.

09:33 - Coast Guard (Ed) gathered  
 last reading, 6-9 particulates  
 BREAKING DOWN EQUIPMENT  
 TO MOB TO ROCKDALE CO.  
 COURTHOUSE, TO GET UP  
 AIR MONITORING.

*J. McDaniel*



START WEDNESDAY May 26, 2004  
 07:42 LAKEVIEW / MCCORDS CORNER  
 1251 → 1125 →  
 STRONG ODOOR, OUTTER EDGE  
 OF PLUME (RESIDENTIAL)  
 0 - DETECT

07:48 CONYER Station Residential  
 PLUME ENCOMPING AREA.

08:08 - MTN. VIEW - IRWIN BRIDGE  
 0 - DETECTION

08:11 SIGMA : SIGMA E  
 0 - DETECTION

08:16 - ROCKDALE HSP.  
 0 - DETECT, PROCEEDING  
 DOWN MILWAUKEE

WIND SHIFT 5  
 to 89 par.

*J. McDaniel*

START WEDNESDAY 26, 2004 (May)  
 08:33 - WEST / 3<sup>rd</sup>  
 NO DETECT, ODOOR

08:37 1650 WEST ST.  
 .25 CL  
 4.8 HCN -  
 .55 CL

08:44 1.5 HCN BLACKLAW / OLD  
 .89 CL COV.

08:46 DOGWOOD / BLACKLAW  
 0 - DETECTION

08:51 HCN - 3.5  
 DIRECTLY IN FRONT  
 OF BIOLAB.

09:33 - Coast Guard (Ed) gathered  
 last reading 6-9 particulates  
 BREAKING DOWN EQUIPMENT  
 TO MOB TO ROCKDALE CO.  
 COURTHOUSE, TO GET UP  
 AIR MONITORING.

*J. McDaniel*

START WEDNESDAY MAY 26, 2004

10:45 - START PERSONNEL, & EPA PERSONNEL ALONG W/ ONE COAST GUARD DEPART COMMAND POST TO GATHER NEXT ROUND OF AIR MONITORING READINGS.

10:30 - SPOKE W/ C. GUARD Ed @ ROOKDALE COURTHOUSE (NO NEW ADDITIONAL INFORMATION) WAS OBTAINED.

11:00 OSC - SPURLING OFF-SITE TO ATTEND MEETING W/ OTHER OFFICIALS TO GATHER INFORMATION OF STATUS TO SITE.

12:00 ARC - PUBLIC HEALTH OFFICIAL INFORMS US OF THE LIMITS TO RELEASE

*J. McDaniel*

~1500 START SCHENDEL, MITCHELL, AND KAISER ARRIVED. START MITCHELL TAKES MESSIER AND PARKER BACK TO START OFFICE.

START SCHENDEL, KAISER, AND WHITT ARE STAGED TO ASSIST OSCs FEINGOLD AND BASS TO MONITOR A CREEK (ATMOSPHERE ABOVE CREEK, TO BE EXACT) FOR THE FOLLOWING GASES USING SPM INSTRUMENTS:

- PHOSPHENE
- HCN
- HBr
- HCl
- Cl<sub>2</sub>

THERE WILL BE THREE SAMPLING POINTS:

1. ON TANYARD BRANCH BELOW VFW LAKE AND ABOVE I 20.

2. ON TANYARD BRANCH SOUTH OF I 20.

3. ON ALMIND CREEK NEAR FLAT SHOALS ROAD, SOUTH OF WHERE TANYARD BRANCH DISCHARGES INTO ALMIND CREEK.

AT EACH SAMPLING POINT, THE VAPOR WILL BE MEASURED AT TWO SEPARATE POINTS:

*J. McDaniel*

A. JUST ABOVE CREEK LEVEL.

1 B. BREATHING ZONE ABOVE CREEK  
(FACE LEVEL).

DATA

TABLE

SAMPLING POINT	PHOTO No.	SAMPLING LOCATION	time	AIR CONCENTRATIONS									
				PHOSPHORUS WATER LEVEL	SO <sub>2</sub> (ppb) BREATHING ZONE	H <sub>2</sub> CO <sub>3</sub> (PPM) WATER BREATHING LEVEL ZONE	H <sub>2</sub> CO <sub>3</sub> (PPM) WATER BREATHING LEVEL ZONE	H <sub>2</sub> SO <sub>4</sub> (PPM) WATER BREATHING LEVEL ZONE	Cl <sub>2</sub> (PPM) WATER BREATHING LEVEL ZONE				
1		Below dam at VWF Lake (trib. to Tanyard)	1610	0	0	0	0	0	0	0	0	0	
		2 S of I20 Tanyard Branch	1625	0	0	0	0	0	0	0	0	0	
		3 N of Flat Shoals, Tanyard Branch	1642	0	0	0	0	0	0	0	0	0	
ADDITIONAL MEASUREMENTS:													
4.		VIA ISSS ROCHDALE BLVD. (AT ENTRANCE)	1805	—	0	—	0	—	0	—	0	0.11 THEN 0.	
5.		DIVERSITEZ (EAST AND NORTH PERIMETERS)	1747	—	0	—	0	—	0	—	0	0.12	
			1851	—	0	—	0	—	0	—	0	0.28	
6.		STAGING AREA	1741	—	0	—	0	—	0	—	0	0	
7.		BALL FIELDS, SOUTH MAIN (MAY BE LEGION FIELDS)	1830	—	0	—	0	—	0	—	0	0	

*John D. ...*

PHOTO      LOG

PHOTO NO.	DIRECTION	DESCRIPTION
--------------	-----------	-------------

*John Doe*

11045 While lots of fish @  
Flat Shoals are dead, some  
were seen alive.

*John Doe*

**APPENDIX B**

**PHOTOGRAPHIC LOG**

(11 Pages)

(Original photographs and negatives are on file at the Tetra Tech EM Inc. START office)



**OFFICIAL PHOTOGRAPH NO. 1**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Smoke plume originating from Plant Warehouse 14. Note: Old Covington Highway is in the lower right portion of the photograph.

**Location:** Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia

**Orientation:** Northwest

**TDD Number:** 4T-04-05-B-006                      **Date:** May 25, 2004

**Photographer:** John Spink, Atlanta Journal  
Constitution Online

B-1



**OFFICIAL PHOTOGRAPH NO. 2**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Firefighters dousing Plant 14 Warehouse with water. Note: Old Covington Highway (top of photograph) and Rockdale Industrial Boulevard (extreme top) are shown in the background.

**Location:** Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia

**Orientation:** Northeast

**TDD Number:** 4T-04-05-B-006                      **Date:** May 25, 2004

**Photographer:** Staff, Atlanta Journal Constitution  
Online



**OFFICIAL PHOTOGRAPH NO. 3**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Firefighters using ladder trucks to spray water on the fire.

**Location:** Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia

**Orientation:** East

**TDD Number:** 4T-04-05-B-006

**Date:** May 25, 2004

**Photographer:** Phil Skinner, Atlanta Journal  
Constitution Online





**OFFICIAL PHOTOGRAPH NO. 4**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Smoke plume parallel to Interstate 20 (foreground).

**Location:** Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia

**Orientation:** North

**TDD Number:** 4T-04-05-B-006

**Date:** May 25, 2004

**Photographer:** John Spink, Atlanta Journal Constitution  
Online



**OFFICIAL PHOTOGRAPH NO. 5**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Upwind view of the smoke plume.

**Location:** Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia

**Orientation:** Northwest

**TDD Number:** 4T-04-05-B-006

**Date:** May 25, 2004

**Photographer:** John Spinks, Atlanta  
Journal Constitution



**OFFICIAL PHOTOGRAPH NO. 6  
U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Upwind view of the plume as seen from the Bernie Bourdon Bridge.

**Location:** Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia

**Orientation:** Southwest

**TDD Number:** 4T-04-05-B-006

**Date:** May 25, 2004

**Photographer:** John Spink, Atlanta Journal Constitution  
Online

B-6



**OFFICIAL PHOTOGRAPH NO. 7  
U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Color changes in the smoke plume.

**Location:** Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia

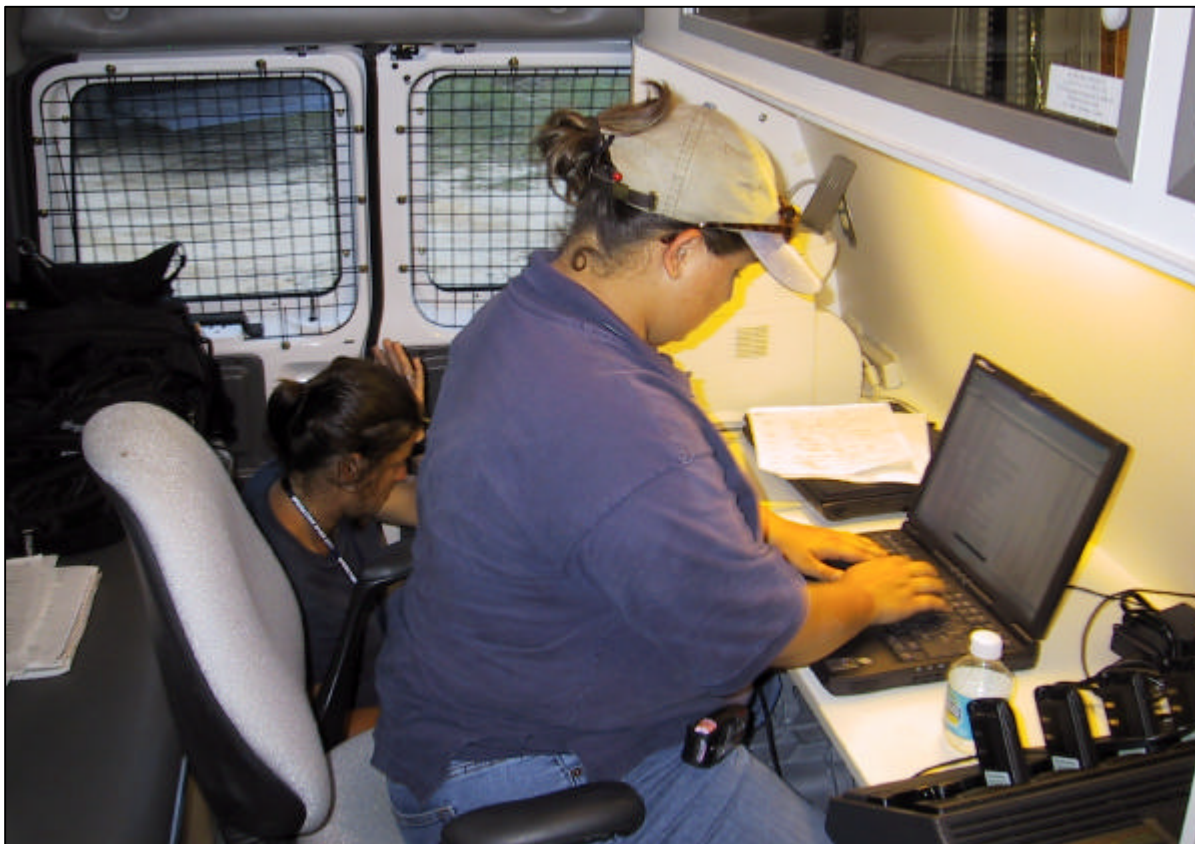
**Orientation:** Southeast

**TDD Number:** 4T-04-05-B-006

**Date:** May 25, 2004

**Photographer:** Staff, Atlanta Journal Constitution

B-7



**OFFICIAL PHOTOGRAPH NO. 8  
U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** TtEMI START managing data collected during the response

**Location:** Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia

**Orientation:** Not applicable

**TDD Number:** 4T-04-05-B-006

**Date:** May 25, 2004

**Photographer:** Charles Parker,  
Tetra Tech EM Inc. (TtEMI)

**Witness:** Bess Blyler  
TtEMI



**OFFICIAL PHOTOGRAPH NO. 9  
U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** Air monitoring equipment set up for collecting data from the plume. Note: Additional air monitoring equipment used by START and EPA is inside the vehicle, with the intake hoses deployed outside of the vehicle.

**Location:** Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia

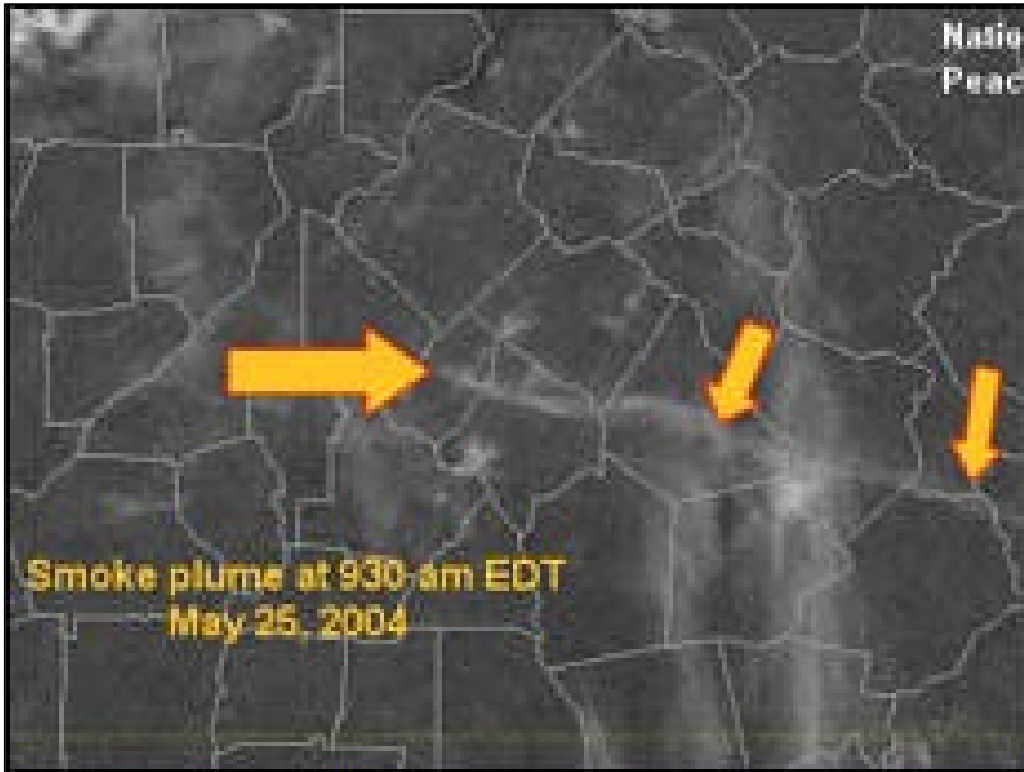
**Orientation:** Not applicable

**TDD Number:** 4T-04-05-B-006

**Date:** May 25, 2004

**Photographer:** Charles Parker,  
TtEMI

**Witness:** Bess Blyler,  
TtEMI



**OFFICIAL PHOTOGRAPH NO. 10  
U.S. ENVIRONMENTAL PROTECTION AGENCY**

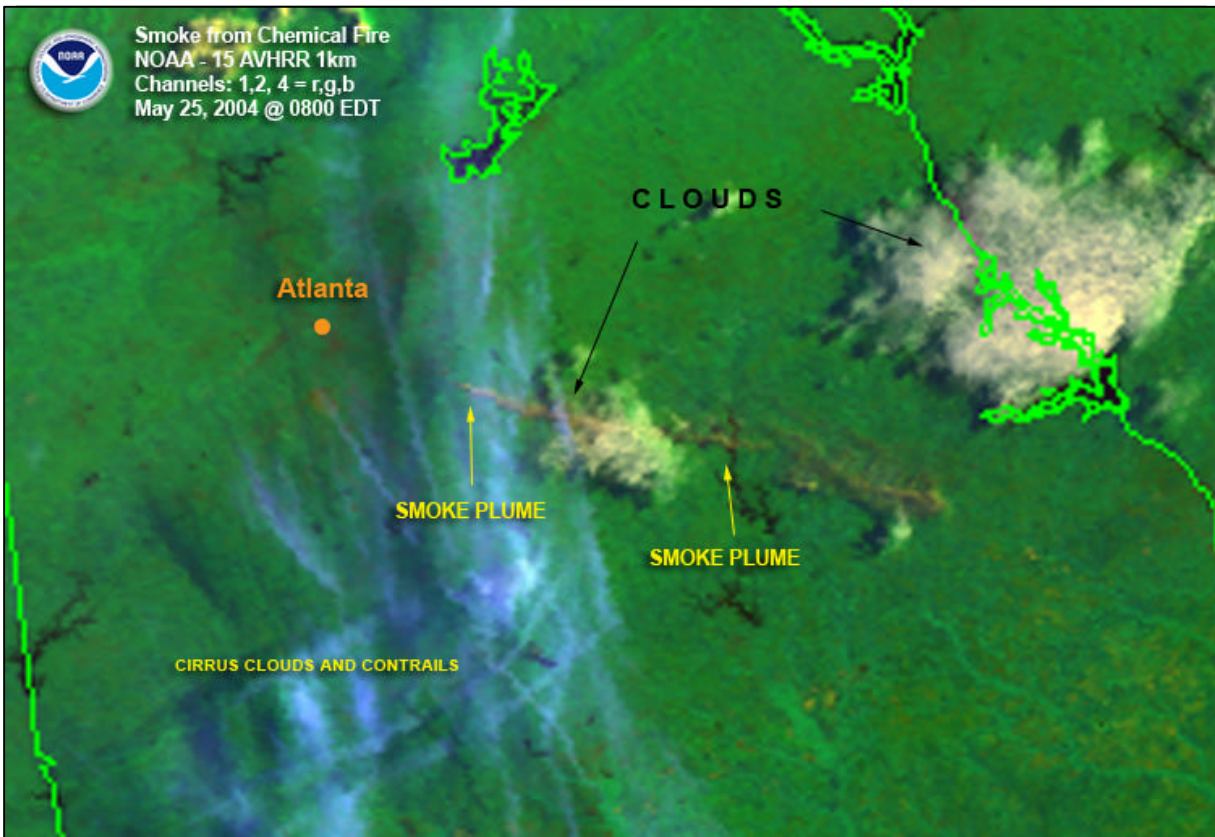
**Subject:** GOES Satellite image of the smoke plume.

**Location:** Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia

**Orientation:** Not applicable

**TDD Number:** 4T-04-05-B-006                      **Date:** May 25, 2004

**Photographer:** National Weather Service,  
Peachtree City, Georgia



**OFFICIAL PHOTOGRAPH NO. 11**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Subject:** One kilometer spatial resolution satellite image of the smoke plume. Note: the smoke plume is well over 100 miles long from the origination point.

**Location:** Bio-Labs, Inc.  
Conyers, Rockdale County, Georgia

**Orientation:** Not Applicable

**TDD Number:** 4T-04-05-B-006                      **Date:** May 25, 2004

**Photographer:** National Oceanic and Atmospheric Administration,  
National Climatic Data Center



**APPENDIX C**  
**TABLE OF WITNESSES**  
(1 Page)

**TABLE OF WITNESSES**  
Bio-Labs Site  
Conyers, Rockdale County, Georgia

Benjamin Franco, On-Scene Coordinator  
Rick Jardine, On-Scene Coordinator  
Steve Spurlin, On-Scene Coordinator  
Katrina Jones, On-Scene Coordinator  
Terrance Byrd, On-Scene Coordinator  
Brook Bass, On-Scene Coordinator  
Amy Feingold, On-Scene Coordinator  
U.S. Environmental Protection Agency, Region 4  
Emergency Response and Removal Branch  
61 Forsyth Street, SW, 11th Floor  
Atlanta, Georgia 30303  
(404) 562-8767

Neil Daniell, START Project Manager  
Alan Whitt  
Rich Kaiser  
Didi Fung  
Bess Blyler  
Charles Parker  
Tiffany Messier  
John Schendel  
Superfund Technical Assessment and Response Team, Region 4  
Tetra Tech EM Inc.  
1955 Evergreen Blvd, Suite 300  
Duluth, Georgia 30096  
(678) 775-3080

**APPENDIX D**  
**AIR MONITORING DATA**

(7 Pages)

**Air Monitoring Data for Bio-Lab Fire in Conyers, Georgia.**

Sample Time	Latitude	Longitude	Street Address	Analyte Readings					
				HBr (ppm)	Phosgene (ppb)	Cl (ppm)	HCl (ppm)	HCN (ppm)	H2S (ppm)
Tuesday, May 25, 2004									
1050 - 1300			Old Covington Hwy & Blacklawn	-	-	<b>0.53</b>		-	-
1050	N33 40 4.4	W84 01 28.0	West SW Ave & West SW Circle	-	-	0.26		-	-
1100	N33 76 20	W84 00 45	Exit 82	-	-	0	1	-	-
1113	N33 37 42	W83 56 55	Exit 98	-	-	0	0	-	-
1121	N33 36 34	W83 53 02	Continue to exit 98	-	-	0	0	-	-
1131	N33 36 40	W83 45 58	Continue to exit 98	-	-	0	0	-	-
1142	N33 36 34	W83 41 58	Exit 101	-	-	0	0	-	-
1220	N33 33 34	W83 30 02	Exit 113	-	-	0	0	-	-
1237	N33 35 37	W83 28 15	Downtown Madison	-	-	0	0	-	-
1050 - 1300	N33 39 54.7	W84 01 40.7	West Ave. at Chevron Station	-	-	0.31	-	-	-
1050 - 1300	N33 39 57.5	W84 01 35.9	West Ave. First National Bank	-	-	0.24	-	-	-
1050 - 1300	N33 39 55	W84 01 40.7	Dogwood Drive	-	-	0.18	-	-	-
1050 - 1300	N33 39 58.9	W84 01 34.3	West Ave. at Family Dollar	-	-	0.1	-	-	-
1050 - 1300	N33 39 56.7	W84 01 37.8	West Ave. at Piggly Wiggly	-	-	0.14	-	-	-
1050 - 1300	NA	NA	West Ave. & I-20	-	-	0.09	-	-	-
1050 - 1300	NA	NA	Dogwood Drive and Taylor Street	-	-	0.31	-	-	-
1050 - 1300	N33 39 37.8	W84 01 22	Dogwood Drive and Bryant Street	-	-	0	-	-	-
1050 - 1300	NA	NA	Dogwood Drive and Harley	-	-	0	-	-	-
1050 - 1300	N33 38 10.3	W83 58 38.4	Dogwood Drive and Glen Rd	-	-	0	-	-	-
1050 - 1300	N33 19 11.6	W84 00 21.5	Highway 138 and Citgo Station	-	-	0	-	-	-
1050 - 1300			Old Covington Hwy and Gees Mill Rd	-	-	0	-	-	-

Note: Numbers in bold indicate concentrations that were detected above a level of concern

HBr = Hydrogen Bromide  
HCl = Hydrochloric Acid  
HCN = Hydrogen Cyanide  
H<sub>2</sub>S = Hydrogen Sulfide  
Cl = Chlorine

HBr PEL = 3 parts per million  
HCl PEL = 5 parts per million  
HCN PEL = 4.7 parts per million  
H<sub>2</sub>S TWA = 10 parts per million  
Cl PEL = 5 parts per million  
Phosgene TWA = 0.1 parts per billion

ppm = parts per million  
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**Air Monitoring Data for Bio-Lab Fire in Conyers, Georgia.**

Sample Time	Latitude	Longitude	Street Address	Analyte Readings					
				HBr (ppm)	Phosgene (ppb)	Cl (ppm)	HCl (ppm)	HCN (ppm)	H2S (ppm)
1302	N33 35 24	W83 27 10	1386 Cedar Drive	-	-	0	0		
1320	N33 40 57.4	W84 00 2.3	Rockdale Hospital	0	0	0	-	-	-
1331	N33 40 59.1	W84 00 3.2	Sigman Rd & Milstead	0	0	0	-	-	-
1334	N33 41 15.4	W83 59 49.7	Broad & Hwy 20	0	0	0	-	-	-
1345	N33 40 27.8	W84 00 53.7	Milstead & College	0	0	0	-	-	-
1347 - 07:31	N33 40 54.9	W83 59 37.0	Milstead & Main (Rockdale Court House)	0	0	0	-	-	-
1351	N34 36 45	W83 44 43	Exit 98	-	-	0	0		
1353	N33 40 8.49	W84 01 21.4	West Ave & Green Street (Old Covington)	0	0	<b>1.4</b>	-	-	-
1402	NA	NA	New Subdivision (Bridal Bridge Walk)	0	0	<b>1.47</b>	-	-	-
1403	N33 39 54	W84 01 41.6	Dogwood Dr & West Ave	0	0	0.2	-	-	-
1410	N33 40 16	W84 02 05	VFW Drive toward 3rd Ave (By VFW Lake)	0.6	0	<b>1.48</b>	-	-	-
1410	N33 40 16	W84 02 05	VFW Drive toward 3rd Ave (By VFW Lake)	0.4	0	<b>1.48 - 0.66**</b>	-	-	-
1410	N33 40 16	W84 02 05	VFW Drive toward 3rd Ave (By VFW Lake)	0	0	<b>1.48 - 0.66**</b>	-	-	-
1411	N33 40 18.7	W84 01 56.6	VFW Drive toward 1st Ave (By VFW Lake)	0	0	<b>0.22 - 0.30**</b>	-	-	-
1411	N33 38 09	W83 58 32	Exit 84	-	-	0	0		
1420	N33 40 15.3	W84 02 22.2	Blacklawn & Olympic	1	0	0	-	-	-
1420	N33 39 34	W84 01 17	Exit 80	-	-	0	0		
1421	N33 40 15	W84 02 09	Olympic Culdesac	1.2	0	0.17	-	-	-
1422	N33 40 21	W84 02 22	Blacklawn behind Bio-Labs	<b>9</b>	0	<b>1.5</b>	-	-	-
1424	N33 40 08	W84 02 24	-	-	-	0	0		
1424	N33 40 08	W84 02 24	-	-	-	0.24	0		
1428	N33 40 21	W84 02 22	Blacklawn at behind Bio-Labs	<b>5.4</b>	17	<b>1.5</b>	-	-	-

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**Air Monitoring Data for Bio-Lab Fire in Conyers, Georgia.**

Sample Time	Latitude	Longitude	Street Address	Analyte Readings					
				HBr (ppm)	Phosgene (ppb)	Cl (ppm)	HCl (ppm)	HCN (ppm)	H2S (ppm)
1511	N33 39 55.4	W84 01 43	Iris & Klondike	0	0	-	-	-	-
1559	N33 39 5.7	W83 59 7.1	Old Covington Hwy & Command Post	0	0	-	-	-	-
1600	NA	NA	Fire & Rescue Water Tower	0	0	-	-	-	-
1637	NA	NA	East on Rockdale Industrial	0	0	-	-	-	-
1645	N33 40 31	W83 40 21	(Entering Plume)	<b>9</b>	21	0.42	0.9		
1645	N33 40 31	W83 40 21	(Entering Plume)	2.2	26	-	-	-	-
1646	N33 40 28	W84 02 15.5	Lester & Rockdale	0	0	0	-	-	-
1646	N33 40 27.6	W84 02 11.5	Rockdale Industrial	<b>4.1</b>	0	0.21	-	-	-
1646	N33 40 31	W84 02 16	-	-	-	0	0		
1647	N33 40 27.1	W84 01 58.7	Rockdale Industrial	<b>9</b>	0	0.21	-	-	-
1648	N33 40 27.1	W84 01 48.7	Rockdale Industrial	1.1	0	0.09	-	-	-
1648	N33 40 27	W84 02 07	-	-	-	<b>0.61</b>	2.2		
1648			Lester & Rockdale Industrial	-	-	0.41	-	-	-
1648			Rockdale Industrial "American Electric"	-	-	0.29	-	-	-
1648			Rockdale Industrial "American Electric"	-	-	0.42	-	-	-
1648	N33 40 39.7	W84 01 46.6	Harvel & Rockbridge	-	-	0.09	-	-	-
1650	N33 40 27	W84 01 48	-	-	-	0.08	0		
1651	N33 40 27.4	W84 01 46.5	Rockdale Industrial & Rockbridge & Main	1	0	0.08	-	-	-
1652	N33 40 39.7	W84 01 46.6	Rockbridge & Harvel	0	0	<b>0.5</b>	-	-	-
1653	N33 40 39	W84 01 47	-	-	-	0.12	0		
1654	N33 40 39.7	W84 01 46.6	Rockbridge & Harvel	1.3	0	-	-	-	-
1657	N33 40 27	W84 01 46.6	Rockbridge into Plume	<b>9</b>	20	<b>1.45</b>	-	-	-

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 HCN = Hydrogen Cyanide  
 H<sub>2</sub>S = Hydrogen Sulfide  
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 HCl PEL = 5 parts per million  
 HCN PEL = 4.7 parts per million  
 H<sub>2</sub>S TWA = 10 parts per million  
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 Phosgene TWA = 0.1 parts per billion

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**Air Monitoring Data for Bio-Lab Fire in Conyers, Georgia.**

Sample Time	Latitude	Longitude	Street Address	Analyte Readings					
				HBr (ppm)	Phosgene (ppb)	Cl (ppm)	HCl (ppm)	HCN (ppm)	H2S (ppm)
1700	N33 40 28	W84 02 15.4	Lester & Rockbridge	<b>9 – 3**</b>	15 – 22**	0.42	-	-	-
1700	N33 40 38	W84 02 22	-	-	-	0.17	0.9		
1700			Rockdale Industrial Park on Rockdale Industrial	-	-	<b>1.45</b>	-	-	-
1700			Rockdale Industrial & Lester	-	-	0.42	-	-	-
1747	N33 40 33	W84 02 18	1209 Lester Ave	<b>9+</b>	12	-	-	-	-
1747	N33 40 33	W84 02 18	1209 Lester Ave	<b>9+</b>	21	-	-	-	-
1749			Indian Blvd & Rockdale	<b>9+</b>	33	-	-		
1749			1209 Lester Ave	-	-	<b>0.51</b>	-		
1749			1209 Lester Ave	-	-	<b>0.55</b>	-		
1749			1209 Lester Ave	-	-	<b>0.84</b>	-		
1749			1209 Lester Ave	-	-	<b>1.26</b>	-		
1750	N33 40 33	W84 02 18	1209 Lester Ave	-	-	<b>0.61</b>	<b>5.7</b>		
1751	N33 40 28	W84 02 25	1555 Rockdale Industrial Blvd "VIASYS"	<b>9+</b>	21	-	-		
1751	N33 40 28	W84 02 25	1555 Rockdale Industrial Blvd "VIASYS"	<b>9+</b>	28	-	-		
1751	N33 40 28	W84 02 25	1555 Rockdale Industrial Blvd "VIASYS"	<b>9+</b>	31	-	-		
1753	N33 40 28	W84 02 25	1555 Rockdale Industrial Blvd "VIASYS"	-	-	<b>1.5</b>	<b>15.0+</b>		
1753	N33 40 28	W84 02 25	1555 Rockdale Industrial Blvd "VIASYS"	-	-	<b>0.66</b>	-		
1753	N33 40 28	W84 02 25	1555 Rockdale Industrial Blvd "VIASYS"	-	-	<b>0.54</b>	-		
1803			1601 Rockdale Industrial Blvd Bio-Labs DIST	-	-	<b>1.5</b>	-		
1811	N33 40 59	W84 01 49	1496 Rockbridge Fire Station #7	0	0	-	-		
1813	N33 40 59	W84 01 49	1496 Rockbridge Fire Station #7	-	-	0.06	-		
1813	N33 40 59	W84 01 49	1496 Rockbridge Fire Station #7	-	-	0.11	-		

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**Air Monitoring Data for Bio-Lab Fire in Conyers, Georgia.**

Sample Time	Latitude	Longitude	Street Address	Analyte Readings					
				HBr (ppm)	Phosgene (ppb)	Cl (ppm)	HCl (ppm)	HCN (ppm)	H2S (ppm)
1813			Rockbridge Road & Sigman	-	-	0	-		
1814	N33 40 59	W84 01 49	-	-	-	0.08	0		
1817	N33 40 28	W84 01 47	Main & Rockbridge	0	0	-	-		
1817			Main and Ellington	0	0	-	-		
1817			Green & Ellington	0	0	-	-		
1818	N33 40 20	W84 01 47	-	-	-	0	0		
1820			Main & Rockdale Bridge Road	-	-	0	-		
1827			Green & Neemore	0	0	-	-		
1827			VFW & Dogwood	0	0	-	-		
1914			Irwin Bridge & Main	0	0	-	-		
1919			Irwin Bridge & Mountain View	0	0	-	-		
1920	N33 41 08	W84 01 27	-	-	-	0	0		
1920	N33 41 14	W84 01 23	Kingston and Irwin Bridge	0	0	0.07	0		
1923	N33 41 14	W84 01 23	Kingston and Irwin Bridge	-	-	0.06	-		
1926	N33 41 14	W84 01 23	Kingston and Irwin Bridge	-	-	0.06	-		
1926	N33 41 14	W84 01 23	Kingston and Irwin Bridge	-	-	0.09	-		
1927	N33 41 20	W84 01 19	Sigman and Irwin Bridge	0	0	0.08	0		
1929			Irwin Bridge and Kingston	-	-	0.12	0		
1929			Irwin Bridge and Kingston	-	-	0.08	0		
1929			Irwin Bridge and Kingston	-	-	0.08	-		
1929			Irwin Bridge and Kingston	-	-	0.11	-		
2336	N 33 32 18	W81 43 81	EPA Mobile Command Post	0	0	0	0	0	0
2356	N33 40 57.4	W84 00 2.3	Rockdale Hospital	0	0	0	0	0	0

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**Air Monitoring Data for Bio-Lab Fire in Conyers, Georgia.**

Sample Time	Latitude	Longitude	Street Address	Analyte Readings					
				HBr (ppm)	Phosgene (ppb)	Cl (ppm)	HCl (ppm)	HCN (ppm)	H2S (ppm)
Wednesday May 26, 2004									
2408			Junction 138 East (3 miles East of Walnut Grove)	0	0	0	0	0	0
2413	N33 41 28	W83 57 71	Yellow River	0	0	0	0	0	0
2420	N33 42 04	W83 57 89	138 East & White Road	0	0	0	0	0	0
2430	N33 43 80	W83 57 94	White Road & West Hightower	0	0	0	0	0	0
2437	N33 44 27	W83 59 53	Hightower & GA Hwy 20	0	0	0	0	0	0
2443	N33 43 31	W84 00 37	J.H.House Elementary School @ Chandler Rd (Disaster Relief)	0	0	0	0	0	0
2452	N33 41 54	W83 59 81	Ga. Hwy 20 South and Yellow River	0	0	0	0	0	0
0136	N33 40 44	W84 01 48	Irwin Bridge & Main Street	0	0	0	0	0	0
0142			Rockbridge & Main	0	0	0.8 - .45 **	0	1.3	2
0145			Lithonia Lighting (Rockbridge & Main)	0	0	<b>0.5 - 0.79**</b>	0	2.1 - 2.7**	0
0148	N33 40 45	W84 02 14	Railroad Crossing on Main Street	0	0	<b>1.2</b>	0	0	0
0205	N33 40 45	W84 02 14	Railroad Crossing on Main Street	0	0	<b>1.5</b>		<b>3.6 - 5.5 **</b>	4.4 - 5**
0209	N33 40 45	W84 02 02	American Electric Lighting	0	12	0	0	0	0
0233	N33 41 49	W84 01 15	-	0	0	0	0	0.05	0
0237	N33 42 15	W84 01 94	Farmer Rd & Irwin Bridge Road	0	0	0	0	0	0
0404	N33 36 66	W83 49 58	Flash Floods Station	0	0	0	0	0.4	0
0439	N33 36 15	W83 51 85	Emory Street	0	0	0	0	0.8	0
0443	N33 45 44	W83 52 52	81 South at mile marker 10	0	0	0	0	0.5	0
0447	N33 34 77	W83 52 91	81 South at milie marker 12 (B&H Body Shop)	0	0	0	0	0.7	0
0459	N33 36 90	W83 52 04	Palmer Stone Elementary School	0	0	0	0	0.5	0
07:05	N33 40 67	W84 02 38	1601 Rockdale Industrial Blvd	0	0	0	0	0	0

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Air Monitoring Data for Bio-Lab Fire in Conyers, Georgia.									
Sample Time	Latitude	Longitude	Street Address	Analyte Readings					
				HBr (ppm)	Phosgene (ppb)	Cl (ppm)	HCl (ppm)	HCN (ppm)	H2S (ppm)
07:09	N33 40 46	W84 02 43	Lester and Industrial	0	0	0.13	0	0.13	0

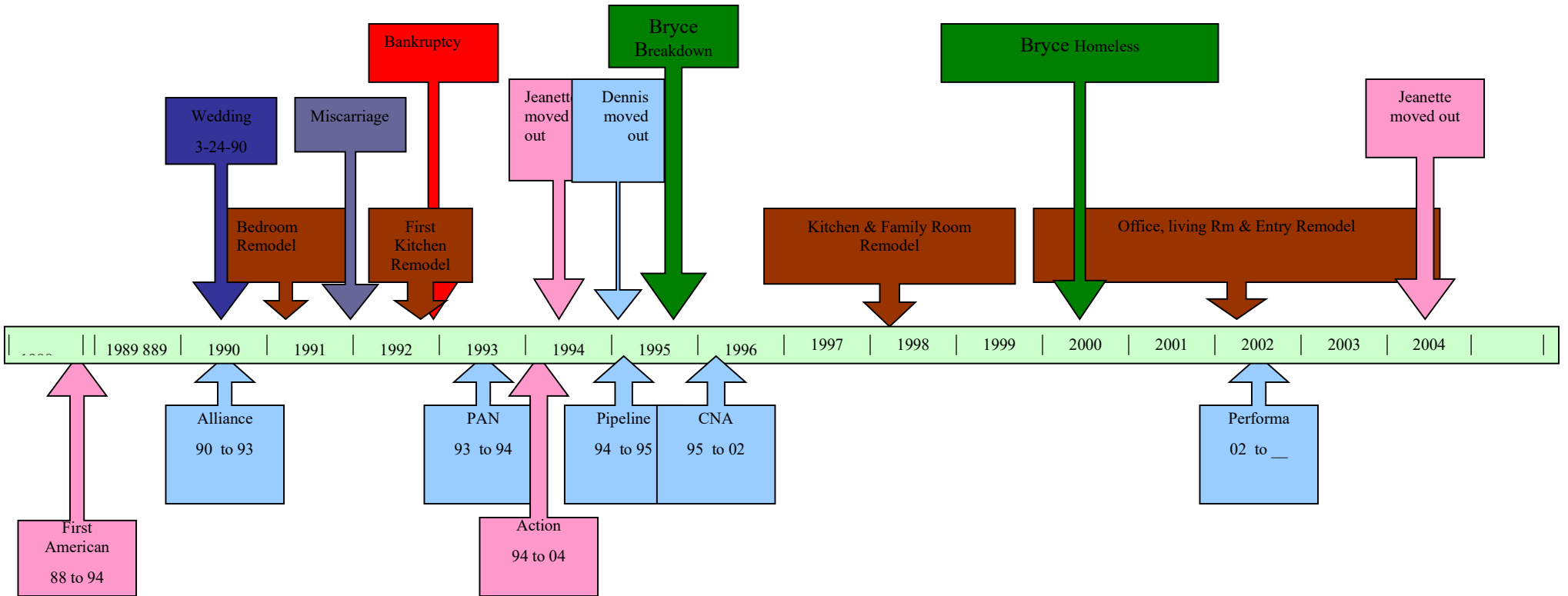
Note: Numbers in bold indicate concentrations that were detected above a level of concern

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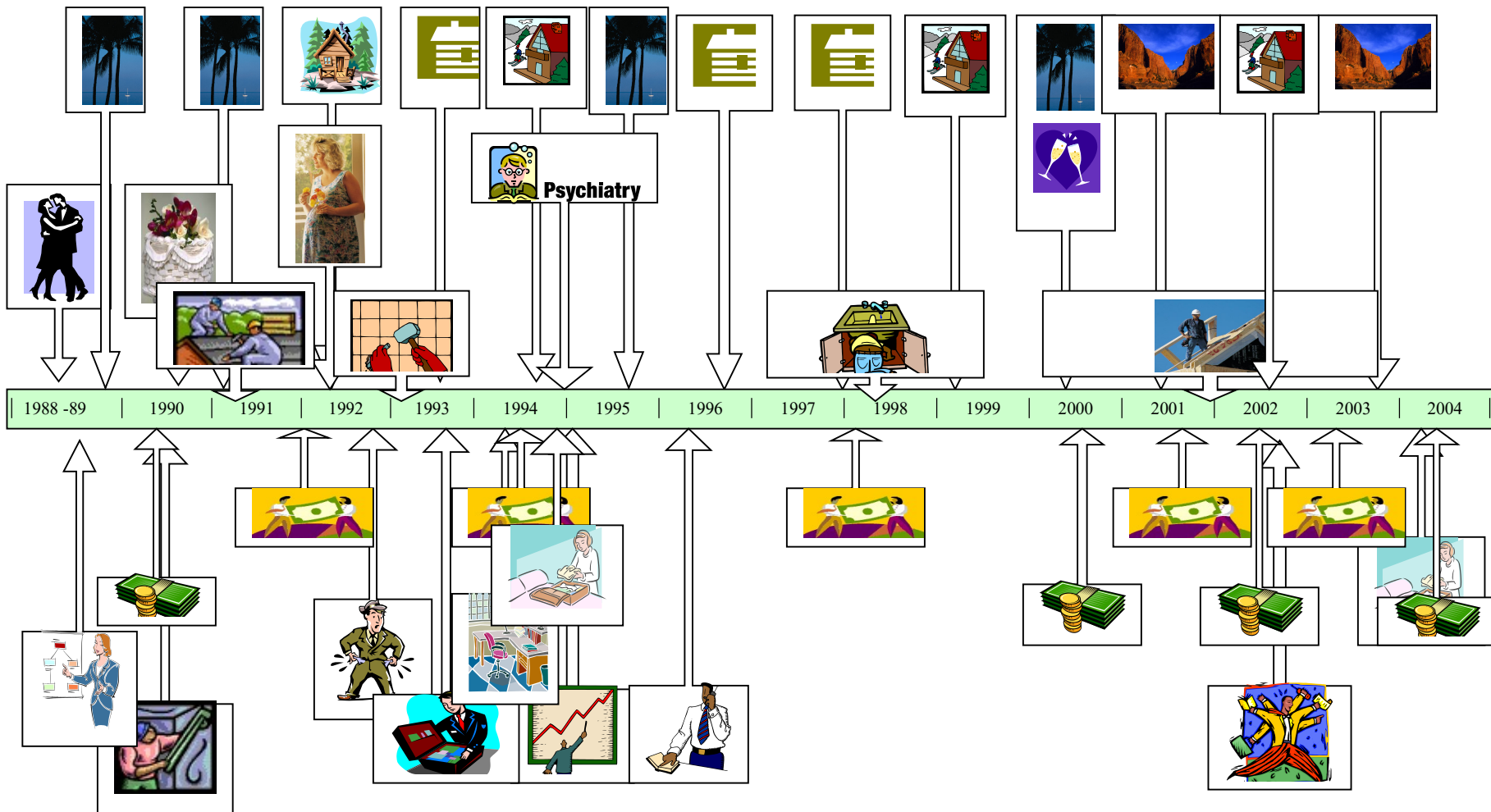
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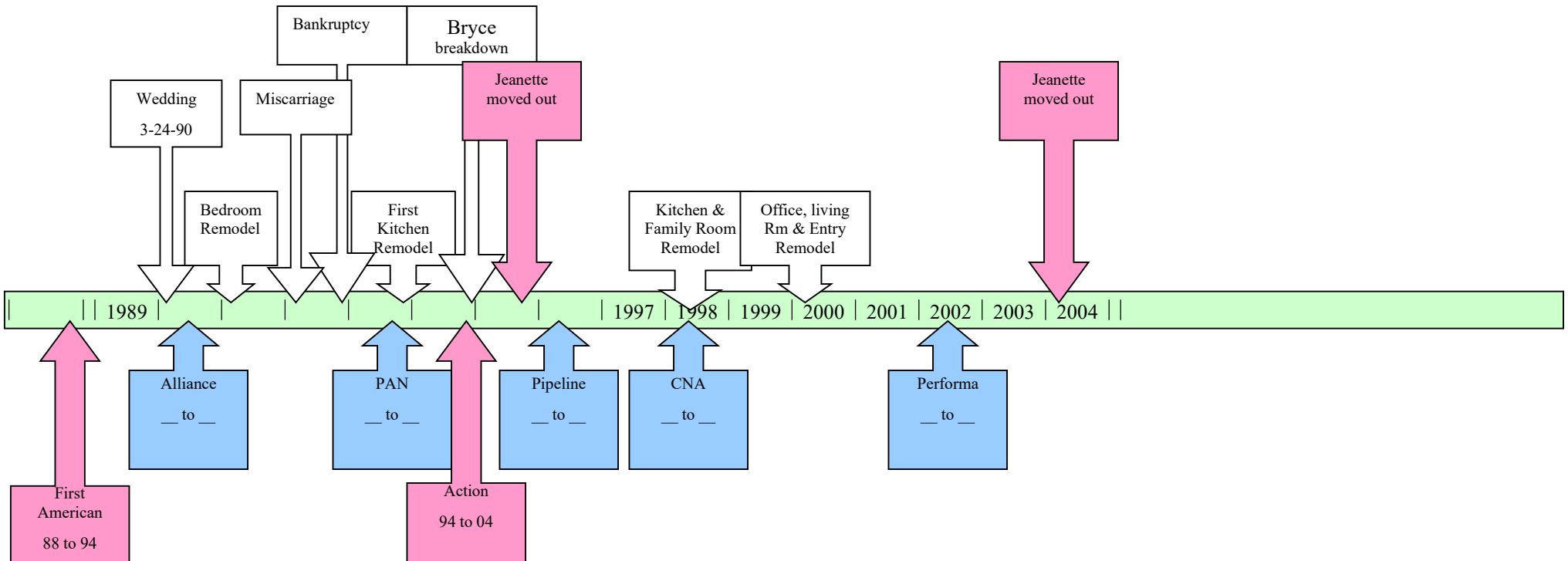
# Dennis & Jeanette



# Dennis & Jeanette



# Dennis & Jeanette



**From:** Jeanette-Action Contact Mgmt <jeanette@actioncontact.com>  
**Sent:** Sunday, October 1, 2006 5:13 PM  
**To:** 'Dennis Brewer'  
**Subject:** Timeline Request  
**Attachments:** Our Timeline-sent to DB.doc; Dennis & Jeanette Timeline sent to Db.doc; Timeline Template.doc

Dennis, I've made several relationship timelines--helping me to see facts rather than emotions. You are welcome to have copies but please know that I did these for myself for a better understanding of our time together. I wouldn't want these used against me(I don't think that is your 'intent').

I'm sure if you create one yourself it would look different as we each have our own perspectives. If you do add/change or create a relationship timeline I would appreciate it if you would also share with me.

Regards,  
Jeanette

-----Original Message-----

From: Dennis Brewer [mailto:dsbrewer923@hotmail.com]  
Sent: Friday, September 29, 2006 9:49 AM  
To: jeanette@actioncontact.com  
Subject: E-card

Jeanette - Some time back we discussed a relationship timeline that you had prepared. If you still have this, I would greatly appreciate a copy.

Thank you very much for the e-card you sent - it was very thoughtful.

Regards,  
Dennis



July 25, 2007

Mr. Dennis Brewer  
P.O. Box 180190  
Boston, MA 02118

Dear Dennis:

Thank you for making the time to meet with us at our offices. We enjoyed discussing our plans for the future of our firm, and your career. We believe that you have much to offer and will be an excellent addition to our firm. Specifically, your experience in supply chain management consulting qualifies you for this position.

To confirm our employment offer, we would like you to join our professional staff full time in the position of Vice President, at an annual salary of \$140,000, payable semimonthly. Your responsibilities will include marketing and sales of client projects – both independently and as a member of our team, leading projects that you sell, internal administrative tasks such as scheduling and staffing, and working on billable projects. Acceptance of this offer indicates that you understand that you will be working for our company exclusively.

You may participate in the firm's regular major medical plan and group life insurance policy. There is a contribution amount paid per employee depending on the coverage type, while the firm pays the majority of the cost. We also have an excellent 401(K) program administered by Paychex, an employment payroll service.

You will be eligible to earn a 4 percent commission on work that you sell. We use a team selling effort for many of our projects. This means that in addition to your individual sales activities, we will involve you in sales along with others in the firm. If you sell work totally on your own, the commission will be 4 percent of the billable work. If you sell the work in a team effort, then you will earn a percentage of the 4 percent commission based on your participation in the sale. This commission will be paid quarterly on the basis of billable work during that time on projects that you sold or participated in selling.

You will be eligible for up to a 10 percent bonus for overall performance including billings, team building, cooperation, and contribution to profit.

You will qualify for 15 days of vacation during the first 12 months of employment, and 20 days per 12 months following that. We do not automatically earn personal or sick days. Obviously, if you are sick, we expect you to stay home and seek medical attention; this does not come out of your vacation days.

As you know, this position will require travel to client premises, and we will reimburse you for all approved out-of-pocket expenses involved in such travel. Your responsibilities on our staff will include the sale and conduct of client studies and analyses which will require travel.

You have indicated that you have a network of contacts that you believe may yield opportunities for our firm and that you are ready to use them. You have agreed on a sales target for the first 12 months of one million dollars. You are ready to use your marketing skills and experience here. You and I have discussed and agreed that, although there may be opportunities in IT work, our capabilities and focus are in supply chain logistics and operations strategy and improvement projects.

All of our work is strictly confidential. Your acceptance of our offer also indicates your agreement to maintain the confidentiality of techniques used in our practice; the identity of clients and prospects; and the nature of work planned, in progress and completed.

Should you decide to leave the firm, you agree that you will not seek nor accept a position or a role in serving or selling to one of our clients or sales target companies from the prior 12 months, for a period of 18 months following your departure. Should the firm decide to terminate your services, you agree that you will not seek nor accept a position or a role in serving or selling competitive services to one of our clients or sales target companies from the prior 12 months, for a period of 12 months following your departure.

We would like you to start as soon as you are able to conclude your other commitments. We understand that you wish to start on August 15. That will be fine. To confirm your receipt of this letter and acceptance of the offer, please sign a copy of this letter and return them to me in a completely confidential manner to protect confidentiality.

This offer is subject to our confirmation of academic achievement and other reference checks.

We all look forward to your joining us.

Sincerely yours,



William H. Drumm, CMC  
President

Accepted: \_\_\_\_\_  
Date: \_\_\_\_\_

dtm



**Dennis S. Brewer**  
[REDACTED] Avenue #5  
Cliffside Park, NJ 07010  
617-304-3360 [dsbrewer923@hotmail.com](mailto:dsbrewer923@hotmail.com)

## **C-Level Executive, Project Manager, 29 Years Experience**

Executive and Board experience includes 12 years as Managing Director or Vice President in “boutique” consulting organizations, 10 plus years as middle market COO and Director, and 7 years as consultant and manager with a “Big 4” firm. Focus on strategy, lean process improvements, technology integration, supply chain operations, and infrastructure for clients to \$60 billion sales. Served over 100 clients, sold and delivered 200 plus projects in the past 29 years. Most relationships are with C-level executives.

Projects range from managing key elements of Fortune 500 technology rollout; to corporate restructuring and merger integration; to leading design and implementation of 30 million square feet of factory, distribution, and special services infrastructure, processes, and technology for dozens of clients nationwide. Client operations include technology, food and chemicals processing, consumer products manufacturing and distribution, alternative energy, rocket and satellite factories, among others.

## **EXPERIENCE**

### ***Vice President – Establish (establishinc.com) 2007 - 2008***

Establish is a privately held consulting organization headquartered in Sweden, with 100 consultants and 6 international offices. The New York office serves Fortune 1000 clients in North American and internationally.

- Developed new business and delivered strategy, operations, and supply chain consulting services to clients.
- Delivered supply chain strategy and operations review for rapidly growing alternative energy company including corporate operations, manufacturing plant, and site construction and maintenance operations throughout North America.
- Led consulting and client team to develop supply chain and manufacturing software requirements and recommendation for industrial firm with 10 manufacturing plants, 17 distribution facilities, and hundreds of retail locations throughout North America.

### ***Director, Intelligence Accountability Project 2005 - 2007***

This project was undertaken as a result of prior work with national security related projects involving space launch vehicles, satellites, sea warfare platforms, and non-destructive nuclear systems test services.

- Identified domestic intelligence improvement opportunities. Developed policy and process recommendations for Executive leaders. Validated findings to US Senate Judiciary Committee.

### ***Managing Director - Performa LLC (performagr.com) 2002 - 2005***

Performa is a privately held consulting organization that leveraged services of contract consultants to staff projects.

- Developed new business, managed P&L, client relationships, and projects for consulting firm with performance improvement services including strategy, logistics, information technology, and infrastructure.
- Clients included technology products, logistics, software, and food processing firms.

**Managing Director - CNA Corporation (cnaco.com)**

**1995 - 2002**

CNA is a management consulting firm comprised of 36 employees.

- Managed consulting firm with services including strategy, information technology, infrastructure, engineering, and logistics. Sold and delivered client infrastructure and related projects, typically \$2 to \$30 million. Increased 35% gross margins to 65% by modifying project management practices, project mix.
- Published Exceptional Performance, a performance improvement magazine for clients. Clients included Boeing, Sony, Matsushita, Brightpoint, Maersk, Nikken, Hughes, and Starbucks.

**Executive, Management, Board**

**1986 - 1995**

- COO, Director, Pacific Pipeline, 300 employee trade book just-in-time distributor to Borders, Barnes & Noble, and Costco.
- CEO, Alliance Environmental, 100 employee hazardous materials management for schools and government.
- CEO, Director, LaserAccess, start-up laser optic data management firm serving Unigard, Alaska Air Group, Puget Sound Energy, and Allied Stores.

**Manager, Consultant - Deloitte (deloitte.com)**

**1979 - 1986**

- Managed consulting, developed performance improvement practice, earned CPA certificate at this 16,000 employee Big Four consulting firm. Services included strategy, organization, productivity, turnaround, IT, ERP, business process improvement.

**EDUCATION**

- MBA, BA – Business Administration, Washington State University, 1979, 1977.

**TRADE ASSOCIATION, OUTSIDE BOARDS & OTHER ACTIVITIES**

- Regional Chair, National Board member, AeA high technology trade association, lobbied Legislature.
- Chaired AeA higher education technology innovation task force, gained 750 new tech education slots.
- Member, Governor's Technology Summit, Governor's Skills Gap Task Force, designed workforce development strategies.
- Contributor, National Alliance of Business Higher Education Scorecard, ranked higher education nationwide.
- Chairman, Director, PCC, natural foods retailer, 30% new stores growth, 50% new customer growth.
- Director, consultant, NutraSource, natural foods wholesaler, from startup to \$60 million sales in 8 years.

**RELOCATION**

- Available for relocation.

**EXECUTIVE AND LEADERSHIP ATTRIBUTES**

**Pragmatic Leader** (Meyers-Briggs Personality Assessment)

Unique profile shared by 1-1/2% of population, exceptional executive. *Extrovert* - Energized by interacting with others. *Intuitive* - creative, abstract thinker; constructs, considers alternative scenarios. *Thinker* - analytical, direct, and straightforward. *Judger* - organized, emphasizes orderly processes, and seeks closure.

**Strategic, Forward-looking, Analytical** (Gallup Strengthsfinder Assessment)

*Strategic*- sees around corners, sees patterns in confusing information; can establish likelihood of particular outcomes. *Maximizer*- emphasizes process excellence; views challenges as opportunities to transform. *Relator*- encourages strong relationships; motivator, low key. *Learner*-emphasizes proficiency, doesn't need to collect badges; has a deep, abiding curiosity. *Futuristic*-sees over the horizon; inspires others.

**Entrepreneurial, Creative, Collaborative** (Korn-Ferry Personal Style Assessment)

*Leadership Style*- participative, thoughtful, and open. *Action Style*- entrepreneurial; emphasizes fast pace, variety, and independence. *Thinking Style*- creative, analytical, exploratory, and focused.

**PROJECTS - TYPICAL OF APPROXIMATELY 100 CLIENTS, 200 PROJECTS**

<b>Client</b>	<b>Action</b>	<b>Accomplishment</b>
Distribution – materials, pharmaceuticals, 8000 employees in 3 business units.	Realign supply chain, strategic sourcing, shared services, new ERP and IT infrastructure.	Effect corporate turnaround; consolidate 186 locations nationwide to 120. Stem hundred plus million dollar operating loss.
Financial services – 22,000 regulatory employees, 12,000 banks nationwide.	Strategy training agency field regulatory staff, and industry CEOs via industry association.	Implement regulatory change; minimize systemic financial risks to national deposit insurance fund nearing insolvency.
Education – Four districts, 30,000 to 60,000 students.	Restructure unionized functions, engage Board & community.	Systemically reorganize admin, support, logistic to reduce overhead costs 15- 25%.
Cellular telephones – regional operating company	Implement financial systems, support corporate spin-off.	De-integrate national IT and financial operations to new regional ERP systems.
Consumer products – books, 300 employees, 140,000 s.f.	Implement six-sigma quality, self-management, channel operating cost analysis.	Manage service levels, simplify fast cycle JIT operations, increase productivity 20%, replace ERP.
Alternative health care - 80 employees, 120,000 s.f.	Replace distribution infrastructure, integrate systems.	Enhance capital and labor productivity by 60%, and extend HQ investment life.
Technology – CD, DVD, 1200 employees, 450,000 s.f.	Identify bottlenecks, revise process, integrate robotics, and enhance automation.	Streamline operations to eliminate frequent line shutdowns, increase productivity in \$400 million plant.
Consumer products – art, gifts, furnishings, 350 employees, 400,000 s.f.	Reconfigure systems, reorganize workflows, integrate technology, and train staff.	Fast track six-month project to replace all mfg, distribution facilities and operations, increase capacity 350%, improve yields.
Aerospace – rocket mfg, 1,500,000 s.f.; satellite mfg.	Design, develop mfg for 777-size rocket; reengineer satellite power.	Increase production capacity, reduce cycle times 500%; eliminate satellite orbital failures.

An extended project list is available on request.