

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
FORMER TOWNSEND PRIMARY CARE CLINIC  
1151 LAUREL ROAD  
TOWNSEND, TENNESSEE  
S&ME Project No. 1434-09-246**

Prepared for:

Furrow Auction Company  
1022 Elm Street  
Knoxville, Tennessee 37921

Prepared by:



1413 Topside Road.  
Louisville, Tennessee 37777

August 12, 2009



August 12, 2009

Furrow Auction Company  
1022 Elm Street  
Knoxville, Tennessee 37921

Attention: Mr. Rob Strickland

**Reference: Report of Phase I Environmental Site Assessment**  
Former Townsend Primary Care Clinic  
1151 Laurel Road  
Townsend, Tennessee  
S&ME Project No. 1434-09-246

Dear Mr. Strickland:

S&ME, Inc. has completed the Phase I Environmental Site Assessment for the above-referenced property. The attached report presents the results of S&ME's assessment of the site, which was performed in accordance with ASTM E 1527-05 and S&ME Proposal No. 3409386 dated July 27, 2009. If we can be of any further assistance, please call us at 865-970-0003.

Sincerely,

**S&ME, Inc.**

Timothy S. Schalk  
Staff Scientist

Eric M. Solt, P.G.  
Senior Reviewer

## TABLE OF CONTENTS

|                                                                                 |           |
|---------------------------------------------------------------------------------|-----------|
| <b>SUMMARY .....</b>                                                            | <b>1</b>  |
| <b>1. INTRODUCTION.....</b>                                                     | <b>2</b>  |
| 1.1 Purpose.....                                                                | 2         |
| 1.2 Detailed Scope of Services .....                                            | 2         |
| 1.2.1 ASTM E 1527-05.....                                                       | 2         |
| 1.2.2 Exclusions from and Additions to Scope of Services.....                   | 3         |
| 1.3 Significant Assumptions .....                                               | 3         |
| 1.4 Limitations of the Assessment.....                                          | 4         |
| 1.5 Special Terms and Conditions .....                                          | 4         |
| 1.6 User Reliance.....                                                          | 4         |
| <b>2. SITE DESCRIPTION.....</b>                                                 | <b>5</b>  |
| 2.1 Site Location .....                                                         | 5         |
| 2.2 Site and Vicinity Characteristics.....                                      | 5         |
| 2.3 Current Uses of the Property.....                                           | 5         |
| 2.4 Site Improvements (Descriptions of Roads, Other Improvements on the Site).. | 5         |
| 2.5 Current Use of Adjoining Properties .....                                   | 5         |
| <b>3. USER PROVIDED INFORMATION.....</b>                                        | <b>6</b>  |
| 3.1 Title Records.....                                                          | 6         |
| 3.2 Environmental Liens or Activity and Use Limitations .....                   | 6         |
| 3.3 Specialized Knowledge.....                                                  | 6         |
| 3.4 Commonly Known or Reasonably Ascertainable Information.....                 | 6         |
| 3.5 Property Purchase Price versus Fair Market Value .....                      | 6         |
| 3.6 Owner, Property Manager and Occupant Information .....                      | 6         |
| 3.7 Reason for Performing the Phase I ESA.....                                  | 7         |
| 3.8 Other .....                                                                 | 7         |
| <b>4. RECORDS REVIEW .....</b>                                                  | <b>7</b>  |
| 4.1 Standard Environmental Record Sources .....                                 | 7         |
| 4.2 Additional Environmental Record Sources .....                               | 8         |
| 4.2.1 EDR Supplementary Sources.....                                            | 8         |
| 4.2.2 Tribal Record Sources .....                                               | 9         |
| 4.3 Physical Setting Sources.....                                               | 9         |
| 4.3.1 Aerial Photographs .....                                                  | 10        |
| 4.3.2 Sanborn Maps .....                                                        | 10        |
| 4.3.3 City Directories.....                                                     | 10        |
| 4.3.4 Tribal Records.....                                                       | 10        |
| 4.3.5 Historical Topographic Maps .....                                         | 10        |
| 4.4 Historical Use Information on Adjoining Properties.....                     | 11        |
| <b>5. SITE RECONNAISSANCE.....</b>                                              | <b>11</b> |
| 5.1 Methodology and Limiting Conditions.....                                    | 11        |
| 5.2 General Site Setting .....                                                  | 11        |
| 5.2.1 Current Use(s) of the Property.....                                       | 11        |
| 5.2.2 Past Use(s) of the Property .....                                         | 11        |
| 5.2.3 Current Use(s) of Adjoining and Surrounding Properties .....              | 11        |

|            |                                                                   |           |
|------------|-------------------------------------------------------------------|-----------|
| 5.2.4      | Past Use(s) of Adjoining and Surrounding Properties.....          | 11        |
| 5.2.5      | Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions.. | 12        |
| 5.2.6      | Description of Structures and Roads .....                         | 12        |
| 5.2.7      | Potable Water Supply and Sewage Disposal System .....             | 12        |
| 5.3        | Exterior Observations .....                                       | 12        |
| 5.4        | Interior Observations .....                                       | 12        |
| <b>6.</b>  | <b>INTERVIEWS.....</b>                                            | <b>12</b> |
| 6.1        | Interview with Past and Present Owners .....                      | 12        |
| 6.2        | Interview with Key Site Manager .....                             | 12        |
| 6.3        | Interview with Occupants .....                                    | 12        |
| 6.4        | Interview with Local Government Officials .....                   | 13        |
| 6.5        | Interviews with Others.....                                       | 13        |
| <b>7.</b>  | <b>FINDINGS.....</b>                                              | <b>13</b> |
| 7.1        | On-Site Findings .....                                            | 13        |
| 7.2        | Off-Site Findings .....                                           | 13        |
| <b>8.</b>  | <b>OPINION.....</b>                                               | <b>13</b> |
| 8.1        | On-Site Opinions .....                                            | 13        |
| 8.2        | Off-Site Opinions.....                                            | 13        |
| 8.3        | Data Gaps.....                                                    | 13        |
| 8.4        | Additional Investigation.....                                     | 13        |
| <b>9.</b>  | <b>CONCLUSIONS .....</b>                                          | <b>13</b> |
| <b>10.</b> | <b>DEVIATIONS .....</b>                                           | <b>14</b> |
| <b>11.</b> | <b>ADDITIONAL SERVICES .....</b>                                  | <b>14</b> |
| <b>12.</b> | <b>REFERENCES.....</b>                                            | <b>14</b> |
| <b>13.</b> | <b>SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S).....</b>         | <b>14</b> |
| <b>14.</b> | <b>QUALIFICATION(S) OF ENVIRONMENTAL PROFESSIONAL(S).....</b>     | <b>14</b> |

## Appendices

### Appendix I:

|               |                                                |
|---------------|------------------------------------------------|
| Figure 1:     | Site Vicinity Map                              |
| Figure 2:     | Tax Map                                        |
| Figure 3:     | Site Map                                       |
| Figure 4:     | Representative Photographs                     |
| Appendix II:  | EDR Radius Map Report                          |
| Appendix III: | Historical Documents                           |
| Appendix IV:  | Ownership Records                              |
| Appendix V:   | Interviews                                     |
| Appendix VI:  | S&ME, Inc. Proposal and Agreement for Services |
| Appendix VII: | Resumes of Environmental Professionals         |



## **SUMMARY**

S&ME, Inc. (S&ME) has performed a Phase I Environmental Site Assessment (ESA) for the Former Townsend Primary Care Clinic property located at 1151 Laurel Road in Townsend, Tennessee. This Phase I ESA was authorized by Mr. Rob Strickland of Furrow Auction Company. The following summary is intended as an overview of the Phase I ESA, and does not include the complete findings and opinions of the full report.

The subject property currently consists of approximately 1.82 acres of land at 1151 Laurel Road. A vacant two story wooden building last occupied by Townsend Primary Care Clinic is located near the center of the property with asphalt-paved parking areas to the northwest, southwest, and southeast. The remainder of the property is grass covered or wooded. No hazardous materials were observed on the exterior of the property. The building contains examination rooms, offices, and lab, and an x-ray room. No hazardous materials were observed in the interior of the building.

According to historical information and interviews, the subject property was undeveloped land prior to the current development. There were no off-site regulated facilities identified within the ASTM minimum search distances.

**Based on the results of this Phase I ESA, S&ME identified no evidence of recognized environmental conditions (RECs) in connection with the subject property.**

## **1. INTRODUCTION**

S&ME, Inc. (S&ME) conducted a Phase I ESA for the approximate 1.82 acre subject site located at 1151 Laurel Road in Townsend, Tennessee. The ESA was conducted using the American Society for Testing and Materials (ASTM) E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and in accordance with S&ME, Inc. Proposal No. 3409386 dated July 27, 2009.

### **1.1 Purpose**

The Phase I ESA was prepared for Furrow Auction Company. The purpose of the ESA is to identify, pursuant to ASTM E 1527-05, recognized environmental conditions (RECs) in connection with the subject property.

ASTM defines the term *recognized environmental condition* (REC) as the presence or likely presence of hazardous substances or petroleum products on the property under conditions that indicate an existing release, past release, or a material threat of a release of hazardous substances or petroleum products into the structures on the property or into the ground, groundwater, or surface water of the property. The term does not include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of enforcement action if brought to the attention of appropriate governmental agencies.

### **1.2 Detailed Scope of Services**

#### **1.2.1 ASTM E 1527-05**

S&ME's approach to performing this Environmental Site Assessment consisted of four major tasks in accordance with ASTM Standard Practice E 1527-05. The tasks include 1) a review of the public record; 2) a site reconnaissance; 3) interviews; and 4) preparation of a report. Each of these four tasks is discussed in more detail below.

Task 1 - A review of reasonably ascertainable public records for the site and the immediate vicinity was conducted. This review was performed to characterize environmental features of the site and to identify past and present land use activities, on or in the vicinity of the site, which may indicate a potential for *recognized environmental conditions*. The review of the reasonable ascertainable public records included:

1. Examination of federal, state, tribal and reasonably ascertainable local public records for the site and immediate vicinity.
2. Examination of one or more of the following standard sources: aerial photographs, fire insurance maps, tax files, building department records, zoning/land use records, street directories and topographic maps of the site and vicinity for evidence suggesting past uses that might have involved hazardous substances or petroleum products.

Task 2 - A site reconnaissance was performed to identify visual signs of past or existing contamination on or adjacent to the site. This reconnaissance was also performed to evaluate evidence found in our public record review that might indicate activities resulting in hazardous substances or petroleum products being used or deposited on the site. The site reconnaissance included the following activities:

1. A reconnaissance of the site and adjacent properties was performed to look for evidence of current and past property uses, signs of spills, stressed vegetation, buried waste, underground or above ground storage tanks, subsidence, transformers, or unusual soil discoloration which may indicate the possible presence of contaminants on the properties. Photographs are provided to document these conditions.
2. The exterior reconnaissance involved a viewing of the periphery of the property and a walk-through of accessible areas of the site interior including the exterior of on-site structures.
3. The interior reconnaissance involved a walk-through of the interior of all accessible structures.

Task 3 – Interviews with past and present property owners, operators and occupants as well as with appropriate local officials were conducted to consider any local knowledge of hazardous substances or petroleum products on the property or on adjacent properties.

Task 4 - Report preparation and review.

### *1.2.2 Exclusions from and Additions to Scope of Services*

Unless specifically authorized as an addition to the Phase I ESA work scope, the assessment did not include any assessment of environmental conditions not specifically included in the ASTM E 1527-05 standard including, but not limited to sampling of materials (i.e., soil, surface water, groundwater or air), or the assessment of business risk issues such as wetlands, lead in drinking water, asbestos, fungi or bacteria in on-site buildings, regulatory compliance, cultural/historic risks, industrial hygiene, health/safety, ecological resources, endangered species, indoor air quality (including an evaluation of vapor intrusion), radon or high voltage power lines.

S&ME has also investigated transfer options regarding the x-ray equipment located in the building. A letter detailing our findings is being provided under separate cover.

## **1.3 Significant Assumptions**

A significant assumption used in evaluating potential impacts to the subject property of nearby, off-site incidents was that the slope of the water table under static conditions (no pumping interference) often approximates the land surface topography. Thus, the movement of groundwater is assumed to be in approximately the same direction as the dip of the topographic slope.

#### **1.4 Limitations of the Assessment**

The findings of this report are applicable and representative of conditions encountered at the subject property at the time of this evaluation, and may not represent conditions at a later date. The review of public records was limited to that information which was available to S&ME at the time this report was prepared. Interviews with local and state government authorities were limited to those people whom S&ME were able to contact during the preparation of this report. All information was derived from practically reviewable, readily available sources in compliance with the standards set forth by the American Society for Testing and Materials (ASTM) Standard Practice E 1527-05 Phase I Environmental Site Assessment and Reports Requirements (Revised February 3, 2006 – 4 pages) and Supplement (Revised May 22, 2000 - 6 pages). Although this report satisfies the ASTM E 1527-05 Standard Practice, these results are not a guarantee or warranty that no environmental conditions exist or that the property is free from all contamination. The ASTM Standard was developed to outline *appropriate inquiry* into the assessment of real property and therein “reduce, but not eliminate, uncertainty regarding the potential for *recognized environmental conditions*.”

The opinions presented in this report are based on findings derived from a site reconnaissance, a review of specified regulatory records and historical sources, and comments made by interviewees. Generally, information obtained from public records and from interviews is reliable. However, S&ME cannot warrant or guarantee that information provided is complete or accurate. In the event responses requested by S&ME from public agencies are provided to S&ME following the submittal of our report, they will be forwarded to the client in the form received for evaluation by the client.

A limitation was that the history of the property was not documented within approximately five-year intervals because standard historical sources such as aerial photographs, city directories, historical topographic maps and Sanborn fire insurance maps were either not available or not observed at five year intervals.

#### **1.5 Special Terms and Conditions**

This Phase I ESA was conducted in accordance with S&ME Proposal No. 3409386, dated July 27, 2009. S&ME Agreement for Services (Form AS-071) is incorporated into the proposal, a copy of which is included in Appendix VI.

#### **1.6 User Reliance**

The resulting report is provided for the sole use of Furrow Auction Company. Use of this report by any third parties will be at such party's sole risk except when granted under written permission by S&ME. Any such authorized use or reliance by third parties will be subject to the same Agreement, under which the work was conducted for Furrow Auction Company.

The additional party's use and reliance on the report will be subject to the same rights, obligations, and limitations imposed on Furrow Auction Company by our Agreement. However, the total liability of S&ME to all parties of the Phase I ESA shall be limited to the remedies and amounts as provided in the Agreement as a single contract. The

additional party's use and reliance on the report shall signify the additional party's agreement to be bound by the proposal and contract that make up the Agreement between S&ME and Furrow Auction Company.

According to standards set forth by ASTM E 1527-05, components of the Phase I ESA will expire in 180 days from the date of completion of that component and may therefore require updating if a property transaction exceeds this time period. The following table lists the dates of completion for pertinent components:

| <u>Component</u>              | <u>Date of Completion</u> |
|-------------------------------|---------------------------|
| Environmental Database Search | July 30, 2009             |
| Site Reconnaissance           | August 10, 2009           |
| Interviews                    | August 7, 2009            |
| Environmental Lien Search     | Not Provided              |

## **2. SITE DESCRIPTION**

### **2.1 Site Location**

The subject property consists of one parcel located at 1151 Laurel Road in Townsend, Tennessee. The property is identified on the Blount County Tax Map as Parcel 95L, Group F, Parcel 12.02. The location of the subject site is depicted on the figures found in Appendix I.

### **2.2 Site and Vicinity Characteristics**

The subject property consists of approximately 1.82 acres in an area characterized by residential properties and undeveloped woodlands. The overall slope of the property is down to the southeast.

### **2.3 Current Uses of the Property**

The subject property is currently occupied by a vacant building last occupied by Townsend Primary Care Clinic.

### **2.4 Site Improvements (Descriptions of Roads, Other Improvements on the Site)**

The subject property is improved with a vacant wooden building located near the center of the property. Asphalt paved parking areas and loading docks are located on the northwest, northeast, and southeast sides of the building. The remainder of the property is wooded.

### **2.5 Current Use of Adjoining Properties**

An off-site visual reconnaissance of the immediately adjacent properties was conducted on August 10, 2009. The off-site reconnaissance was limited to properties that were visible from the perimeter of the site, as well as areas that were readily accessible by public roads near the subject site. Descriptions of the properties adjacent to the subject site are outlined as follows:

- Northwest** Vacant wooded land adjoins the subject property to the northwest. Residential properties characterize the area further northwest.
- Northeast** Laurel Road bounds the subject site to the northeast. A vacant parcel is located on the northeast side of Laurel Road with residential properties beyond.
- Southeast** Laurel Valley Road is immediately southeast of the subject property. Vacant wooded land characterizes the area further southeast.
- Southwest** Vacant wooded land adjoins the property to the southwest. Additional wooded land and residential properties along Laurel Valley Road are located further southwest.

### **3. USER PROVIDED INFORMATION**

#### **3.1 Title Records**

A chain-of-title report for the subject property was not provided to S&ME by the User.

#### **3.2 Environmental Liens or Activity and Use Limitations**

Information pertaining to evidence of environmental liens and activity and use limitations was not provided by the User.

#### **3.3 Specialized Knowledge**

No specialized knowledge or experience that is material to recognized environmental conditions in connection with the property has been provided to S&ME by the User during this assessment.

#### **3.4 Commonly Known or Reasonably Ascertainable Information**

Commonly known or reasonably ascertainable information has not been provided to S&ME by the User.

#### **3.5 Property Purchase Price versus Fair Market Value**

S&ME was not informed by the User whether the purchase price of the property reflects the fair market value.

#### **3.6 Owner, Property Manager and Occupant Information**

According to the Blount County Property Assessor's office, the subject property is currently owned and managed by Mr. Harold King. The building is currently unoccupied.

### 3.7 Reason for Performing the Phase I ESA

It is our understanding that this report is for the sole purpose of providing an environmental evaluation of the site in order to conclude a real estate transaction. S&ME also assumes that the purpose of this assessment is to perform all appropriate inquiries prior to the purchase of the property to satisfy one requirement of the CERCLIS *Landowner Liability Protections (LLPs)* and to assist the purchaser in qualifying for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitations on CERCLA liability.

### 3.8 Other

No other information was provided to S&ME by the User.

## 4. RECORDS REVIEW

### 4.1 Standard Environmental Record Sources

S&ME contracted Environmental Data Resources (EDR) to review available federal and state environmental records regarding the property and surrounding area within one mile of the site. EDR contacts regulatory agencies on a periodic basis to update identified databases. The EDR database report is contained in Appendix II. S&ME reviewed regulatory agency files for identified facilities which are located within the search radii as established by ASTM E 1527-05. The extent of the search radii vary according to the activities and/or materials produced at each facility. The Phase I ESA search radii are listed below.

## REGULATORY DATABASE SEARCH ENVIRONMENTAL DATA RESOURCES

### Federal Environmental Record Sources

| Database      | Approximate Search Distance | Search Results (number of sites) |
|---------------|-----------------------------|----------------------------------|
| NPL           | 1 mile                      | 0                                |
| Proposed NPL  | 1 mile                      | 0                                |
| DELISTED NPL  | 1 mile                      | 0                                |
| NPL LIENS     | TP                          | 0                                |
| CERCLIS       | 0.5 mile                    | 0                                |
| CERCLIS-NFRAP | 0.5 mile                    | 0                                |
| CORRACTS      | 1 mile                      | 0                                |
| RCRIS-CESQG   | 0.5 mile                    | 0                                |
| RCRIS-LQG     | 0.25 mile                   | 0                                |
| RCRIS-NonGen  | 0.25 mile                   | 0                                |
| ERNS          | TP                          | 0                                |
| HMIRS         | TP                          | 0                                |

| Database | Approximate Search Distance | Search Results (number of sites) |
|----------|-----------------------------|----------------------------------|
| CONSENT  | 1 mile                      | 0                                |
| ROD      | 1 mile                      | 0                                |
| TRIS     | TP                          | 0                                |
| TSCA     | TP                          | 0                                |
| FTTS     | TP                          | 0                                |
| PADS     | TP                          | 0                                |
| MLTS     | TP                          | 0                                |
| MINES    | 0.25 mile                   | 0                                |
| FINDS    | TP                          | 0                                |
| RAATS    | TP                          | 0                                |

#### State Environmental Record Sources

| Database               | Approximate Search Distance | Search Results (number of sites) |
|------------------------|-----------------------------|----------------------------------|
| Hazardous Waste (SWHS) | 1 mile                      | 0                                |
| Landfills (SWF/LF)     | 0.5 mile                    | 0                                |
| LUST                   | 0.5 mile                    | 0                                |
| UST                    | 0.25 mile                   | 0                                |
| Spills                 | TP                          | 0                                |

TP = Target Property

The subject property was not identified on the databases reviewed. No off-site facilities were identified within the ASTM minimum search distances.

S&ME also reviewed the list of orphan/unmappable sites and zip code listing in the EDR database report for facilities within the ASTM minimum search distances. None of the listed orphan/unmappable sites were recognized as being in close proximity to the subject property. However, due to the limited data provided by EDR, S&ME was unable to verify the locations of all of the facilities.

## 4.2 Additional Environmental Record Sources

### 4.2.1 EDR Supplementary Sources

The EDR report also includes additional EDR proprietary environmental records not listed among the standard federal, state and tribal databases.



#### Additional EDR Proprietary Environmental Record Source

| Database                     | Approximate Search Distance | Search Results (number of sites) |
|------------------------------|-----------------------------|----------------------------------|
| Manufactured Gas Plants      | 1 mile                      | 0                                |
| EDR Historical Auto Stations | 0.25 mile                   | 0                                |
| EDR Historical Cleaners      | 0.25 mile                   | 0                                |

#### 4.2.2 Tribal Record Sources

S&ME contracted with EDR to conduct a database search of environmental tribal records associated with the subject property. No environmental tribal records were identified.

#### Tribal Records

| Database            | Approximate Search Distance | Search Results (number of sites) |
|---------------------|-----------------------------|----------------------------------|
| Indian Reservations | 1 mile                      | 0                                |
| Indian LUST         | 0.5 mile                    | 0                                |
| Indian UST          | 0.25-mile                   | 0                                |
| Indian ODI          | 0.5 mile                    | 0                                |
| Indian VCP          | 0.5 mile                    | 0                                |

The site does not appear to be located on or near any tribal lands. According to the Tennessee Commission of Indian Affairs (TCIA), the Yuchi, Koasati, Tuskegee, Muscogee (Creek), Chickasaw, Natchez, Cherokee, Chickamauga, Shawnee, and Choctaw tribes are recognized as historic Indian tribes in the State of Tennessee. Currently, none of the tribes identified on the TCIA web site (<http://www.state.tn.us/environment/boards/tcia/documents.shtml>) are listed in Knox County.

#### 4.3 Physical Setting Sources

S&ME reviewed the United States Geological Survey topographic map depicting the site and surrounding area. The map reviewed consisted of the Kinzel Springs, Tennessee 7-1/2 minute topographic quadrangle. The map is dated 1978 and it was photorevised from the 1953 map. The portion of the topographic map showing the property and immediately surrounding area is included in Appendix I (Figure 1).

The subject property appeared as vacant undeveloped land. No structures were identified on the property. A blue line stream is indicated along the southeast property line.

The site lies within the Appalachian Valley and Ridge Physiographic Province of East Tennessee. This Province is characterized by elongated, northeasterly-trending ridges

formed on highly resistant sandstone and shale. Between ridges, broad valleys and rolling hills are formed primarily on less resistant limestone, dolomite, and shale.

Published geologic information indicates that the site is underlain by bedrock of the Knox Group. The Knox Group is composed of the Mascot Dolomite, Kingsport Dolomite, Longview Dolomite, Chepultepec Dolomite, and Copper Ridge Dolomite Formations. However, the Knox Group is not differentiated into its individual formations in this area. The Knox Group, where undivided, consists of siliceous dolomite with inter-bedded limestone. These rock units weather to produce a thick residual clay overburden. Silica in the form of chert is resistant to weathering and is scattered in various quantities throughout the clay residuum.

#### *4.3.1 Aerial Photographs*

Aerial photographs of the subject property and surrounding properties were obtained from EDR and the United States Geological Survey (USGS). The photographs reviewed were dated 1975, 1982, 1988, 1997, and 2006. The subject property appeared to be undeveloped open land on the 1975 through 1988 photographs. No structures were observed on the property. The current building was first observed on the 1997 photograph. No significant changes to the building were observed on the 2006 photograph. Copies of the historical aerial photographs are included in Appendix III.

#### *4.3.2 Sanborn Maps*

S&ME contracted with EDR to conduct a database search of Sanborn Fire Insurance Maps that depicted the subject property. Sanborn map coverage was not available for the subject property.

#### *4.3.3 City Directories*

S&ME contracted with EDR to conduct a database search of city directories for the subject property and properties in the vicinity of the subject property. The directories searched by EDR included the years 1992, 2001, and 2008. The subject property address was identified in the 2001 and 2008 directories. In 2001 Blount Memorial Hospital, Townsend Medical Clinic, and Townsend Primary Care Clinic were listed on the property. In 2008, the directory listed the address but did not identify any business on the property. The adjoining properties detail lists residences along Laurel Road. Copies of the EDR city directories are included in Appendix III.

#### *4.3.4 Tribal Records*

S&ME contracted with EDR to conduct a database search of environmental tribal records associated with the subject property. No environmental tribal records were identified.

#### *4.3.5 Historical Topographic Maps*

S&ME contracted EDR to conduct a search of available USGS historical topographic maps as a standard historical source to address 5-year data gaps. The mapping typically identifies on-site structures and helps to establish general property use in the vicinity.

S&ME reviewed the historic 1901 Knoxville Tennessee topographic quadrangle as well as the 1953 and 1978 7.5' Kinzel Springs, Tennessee topographic quadrangle. The scale of the 1901 map is such that no details on the subject property could be observed. The subject property appeared as wooded on the 1953 map and Laurel Road was not present. The property appeared cleared but no structures were observed on the 1978 map. Laurel Road was observed immediately northeast of the property. Historical topographic maps are included in Appendix III.

#### **4.4 Historical Use Information on Adjoining Properties**

Historical records indicate that the surrounding properties were primarily woods prior to 1980. Residential development in the surrounding area began in the 1980's. A golf course (Laurel Valley) was observed to the southwest as far back as 1975.

### **5. SITE RECONNAISSANCE**

#### **5.1 Methodology and Limiting Conditions**

A site reconnaissance of the subject property and surrounding area was performed by S&ME staff scientist, Tim Schalk, on August 10, 2009. The on-site observations were followed by a vehicular survey of the surrounding area. The purpose of the site reconnaissance was to identify *recognized environmental conditions* at the subject property and identify sites of similar environmental concern located within the ASTM minimum search distances. S&ME personnel searched for evidence of past or present activities which could have led to the deposition of hazardous substances or petroleum products.

#### **5.2 General Site Setting**

##### **5.2.1 Current Use(s) of the Property**

The subject property is currently contains a vacant two story building last occupied by Townsend Primary Care Clinic and related asphalt-paved parking areas.

##### **5.2.2 Past Use(s) of the Property**

According to observations during the site reconnaissance, interviews, and historical documentation, the subject property was undeveloped prior to the current development. No indications of past industrial development of the property were observed.

##### **5.2.3 Current Use(s) of Adjoining and Surrounding Properties**

Residential properties characterize the areas northwest, northeast, and southwest of the subject property. Vacant wooded land with scattered residences to the southeast.

##### **5.2.4 Past Use(s) of Adjoining and Surrounding Properties**

The historical records reviewed indicate that the surrounding properties have been vacant woods in the past. No other past usage of the surrounding properties could be ascertained during the off-site reconnaissance.

### ***5.2.5 Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions***

The overall topographic slope is down to the southeast. Rock outcrops were not observed on the subject property. Information pertaining to geologic and hydrogeologic conditions obtained from standard resources is provided in Section 4.3.

### ***5.2.6 Description of Structures and Roads***

Laurel Road and Laurel Valley Road are two lane thoroughfares. Structures in the immediate area appear to have been built within the last 40 years.

### ***5.2.7 Potable Water Supply and Sewage Disposal System***

According to Blount County tax records, potable water and sewage disposal are provided by a water well and septic system on the subject property.

## **5.3 Exterior Observations**

The subject property contains approximately 1.82 acres of land at 1151 Laurel Road. A two story vacant wooden building, last occupied by Townsend Primary Care Clinic, is located near the center of the property. Asphalt paved parking areas are located on the northwest, southwest, and southeast sides of the building. The building is heated with propane. A septic system is located near the southwest corner of the property. The remainder of the property is grass covered and wooded. No hazardous materials were observed on the exterior of the property.

## **5.4 Interior Observations**

The interior of the building contained a patient waiting area, examination rooms, and an x-ray room on the first floor. Several rooms are filled with a variety of items being prepared for the upcoming auction. The x-ray room contains an x-ray machine. A report containing information on the machine and possible transfer options has been submitted by S&ME under separate cover. The second floor is empty. The rooms on the second floor appear to have been used as offices. No hazardous materials were observed in the interior of the building.

# **6. INTERVIEWS**

## **6.1 Interview with Past and Present Owners**

S&ME interviewed Ms. Susan King, widow of Harold King (the listed property owner), concerning the subject property. Ms. King stated that as far as she knows, the property has only been developed as a medical facility. Prior to the current development, the property was vacant wooded land. Ms. King is unaware of any USTs or other environmental concerns in connection with the subject property.

## **6.2 Interview with Key Site Manager**

The property owner is considered the site manager.

## **6.3 Interview with Occupants**

The subject property is unoccupied.

#### **6.4 Interview with Local Government Officials**

S&ME has attempted to contact the Townsend Volunteer Fire Department. To date, the attempts have been unsuccessful.

#### **6.5 Interviews with Others**

No other individuals were interviewed during the performance of this assessment.

### **7. FINDINGS**

#### **7.1 On-Site Findings**

No on-site findings were observed during the performance of this assessment.

#### **7.2 Off-Site Findings**

No off-site regulated facilities were identified within the ASTM minimum search distances.

### **8. OPINION**

#### **8.1 On-Site Opinions**

No RECs were observed on the property during the performance of this assessment.

#### **8.2 Off-Site Opinions**

No off-site facilities are considered RECs in connection with the subject property.

#### **8.3 Data Gaps**

Historical data gaps were encountered during the performance of this assessment. Not all historical records were completed back to the first use of the subject property. Historical data gaps regarding the use of the subject property are not considered significant because other historical documents identified the property back to its first use. These limitations are not considered significant.

#### **8.4 Additional Investigation**

Considering the opinions relative to on-site and off-site conditions described above and the information currently known about the subject property and adjacent properties, additional investigation would not be necessary to determine whether the past storage and use of petroleum products or hazardous materials at the property have impacted the subsurface.

### **9. CONCLUSIONS**

We have performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard Practice E 1527-05 for the Townsend Primary Care Clinic property in Townsend, Tennessee. Any exceptions to or deletions from this practice are described in Section 2.4 of this report. **Based on the results of this Phase I ESA, S&ME identified no evidence of RECs in connection with the subject property.**

## **10. DEVIATIONS**

S&ME has endeavored to perform this Phase I ESA in substantial conformance with the scope and limitations of ASTM Standard Practice E 1527-05. The environmental professional who performed the Phase I ESA did not feel the need to deviate from the standard.

## **11. ADDITIONAL SERVICES**

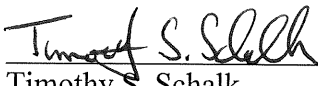
No additional services were provided.

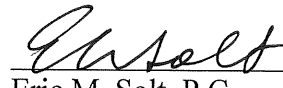
## **12. REFERENCES**

Material references are cited within their respective sections.

## **13. SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)**

We, Timothy S. Schalk and Eric M. Solt, declare that, to the best of our knowledge, we meet the definition of Environmental Professional as defined in paragraph 312.10 of 40 CFR 312, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

  
\_\_\_\_\_  
Timothy S. Schalk  
Staff Scientist

  
\_\_\_\_\_  
Eric M. Solt, P.G.  
Senior Reviewer

## **14. QUALIFICATION(S) OF ENVIRONMENTAL PROFESSIONAL(S)**

S&ME provides a broad range of environmental services, including site assessments for real estate transactions. S&ME has over 750 employees located in twenty-two offices throughout the southeast. ENR ranked S&ME as one of the 200 largest environmental firms in the country.

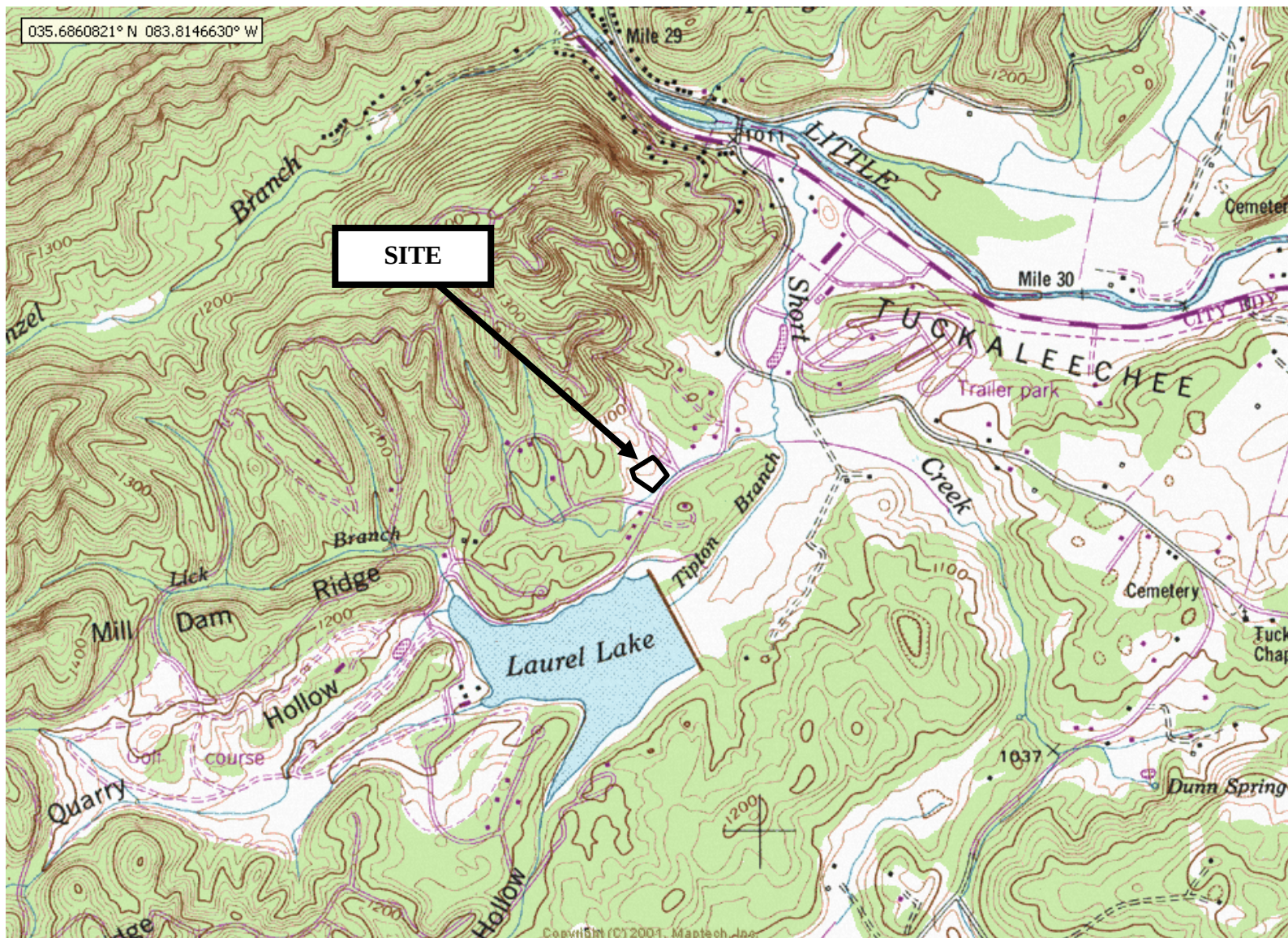
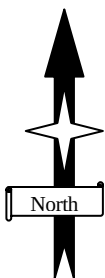
The environmental professional for this Phase I ESA is Mr. Timothy S. Schalk. Mr. Schalk has 15 years of environmental experience performing and managing Phase I and II Environmental Site Assessments. Please refer to Mr. Schalk's resume in Appendix VII for further details.

The senior reviewer for this project is Eric M. Solt. Mr. Solt is a registered professional geologist in the State of Tennessee. Mr. Solt has 20 years experience in conducting environmental assessment activities. Please refer to Mr. Solt's resume on Appendix VII for further details.

## **APPENDIX I**

- FIGURE 1: SITE VICINITY MAP
- FIGURE 2: TAX MAP
- FIGURE 3: SITE MAP
- FIGURE 4: REPRESENTATIVE PHOTOGRAPHS





|                            |                   |                                                                                                      |                                                                                                        |                        |
|----------------------------|-------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------|
| Topo Name: Douglas Dam, TN | Scale: 1" = 1500' |  <b>S&amp;ME</b> | Site Vicinity Map<br>Former Townsend<br>Primary Care Clinic<br>1151 Laurel Road<br>Townsend, Tennessee | Figure<br><br><b>1</b> |
| Topo Date: 1961            | Checked By: EMS   |                                                                                                      |                                                                                                        |                        |
| Topo Revision: 1986        | Drawn By: TSS     |                                                                                                      |                                                                                                        |                        |
| Contour Interval: 20 feet  | Date: 07/30/09    |                                                                                                      | Project No: 1434-09-246                                                                                |                        |





 Property Line

Blount County Property Assessor's Tax Map

|                 |                                                                                     |                                                                                           |                 |
|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------|
| Scale: NTS      |  | Tax Map<br>Former Townsend Primary Care Clinic<br>1151 Laurel Road<br>Townsend, Tennessee | Figure<br><br>2 |
| Checked By: TSS |                                                                                     |                                                                                           |                 |
| Date: 07/30/09  |                                                                                     | Project No.: 1434-09-246                                                                  |                 |



|                                                                                     |                                    |
|-------------------------------------------------------------------------------------|------------------------------------|
|  | Property Line                      |
|  | Photograph Location<br>& Direction |

|                 |                                                                                     |                                                                                            |                 |
|-----------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------|
| Scale: NTS      |  | Site Map<br>Former Townsend Primary Care Clinic<br>1151 Laurel Road<br>Townsend, Tennessee | Figure<br><br>3 |
| Checked By: TSS |                                                                                     |                                                                                            |                 |
| Date: 07/30/09  |                                                                                     | Project No.: 1434-09-246                                                                   |                 |



Former Townsend Primary Care Clinic  
 1151 Laurel Road, Townsend, Tennessee  
 Project #: 1434-09-246  
 Figure 4: Sheet 1 of 4

  
 1413 Topside Road  
 Louisville, TN 37777

|                                                                                    |                        |                                                     |
|------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------|
|  |                        | Date: 08/10/09                                      |
|                                                                                    |                        | Photographer: Timothy S. Schalk                     |
| 1                                                                                  | Location / Orientation | See Figure 3                                        |
|                                                                                    | Remarks                | Southeast corner of the property, facing southwest. |

|                                                                                      |                        |                                                   |
|--------------------------------------------------------------------------------------|------------------------|---------------------------------------------------|
|  |                        | Date: 08/10/09                                    |
|                                                                                      |                        | Photographer: Timothy S. Schalk                   |
| 2                                                                                    | Location / Orientation | See Figure 3                                      |
|                                                                                      | Remarks                | Former Townsend Primary Care Clinic, facing west. |



Former Townsend Primary Care Clinic  
 1151 Laurel Road, Townsend, Tennessee  
 Project #: 1434-09-246  
 Figure 4: Sheet 2 of 4

  
 1413 Topside Road  
 Louisville, TN 37777

|                                                                                    |                        |                                                      |
|------------------------------------------------------------------------------------|------------------------|------------------------------------------------------|
|  |                        | Date: 08/10/09                                       |
|                                                                                    |                        | Photographer: Timothy S. Schalk                      |
| 3                                                                                  | Location / Orientation | See Figure 3                                         |
|                                                                                    | Remarks                | Northwest portion of the property, facing northeast. |

|                                                                                      |                        |                                                    |
|--------------------------------------------------------------------------------------|------------------------|----------------------------------------------------|
|  |                        | Date: 08/10/09                                     |
|                                                                                      |                        | Photographer: Timothy S. Schalk                    |
| 4                                                                                    | Location / Orientation | See Figure 3                                       |
|                                                                                      | Remarks                | Western portion of the property, facing southwest. |

Former Townsend Primary Care Clinic  
 1151 Laurel Road, Townsend, Tennessee  
 Project #: 1434-09-246  
 Figure 4: Sheet 3 of 4

  
 1413 Topside Road  
 Louisville, TN 37777

|                                                                                    |                        |                                 |
|------------------------------------------------------------------------------------|------------------------|---------------------------------|
|  |                        | Date: 08/10/09                  |
|                                                                                    |                        | Photographer: Timothy S. Schalk |
| 5                                                                                  | Location / Orientation | See Figure 3                    |
|                                                                                    | Remarks                | Clinic entrance, facing west.   |

|                                                                                      |                        |                                             |
|--------------------------------------------------------------------------------------|------------------------|---------------------------------------------|
|  |                        | Date: 08/10/09                              |
|                                                                                      |                        | Photographer: Timothy S. Schalk             |
| 6                                                                                    | Location / Orientation | See Figure 3                                |
|                                                                                      | Remarks                | Typical examination room, facing southeast. |



Former Townsend Primary Care Clinic  
 1151 Laurel Road, Townsend, Tennessee  
 Project #: 1434-09-246  
 Figure 4: Sheet 4 of 4

 **S&ME**  
 1413 Topside Road  
 Louisville, TN 37777

|                                                                                    |                        |                                 |
|------------------------------------------------------------------------------------|------------------------|---------------------------------|
|  |                        | Date: 08/10/09                  |
|                                                                                    |                        | Photographer: Timothy S. Schalk |
| 7                                                                                  | Location / Orientation | See Figure 3                    |
|                                                                                    | Remarks                | X-ray room, facing northwest.   |

|                                                                                      |                        |                                    |
|--------------------------------------------------------------------------------------|------------------------|------------------------------------|
|  |                        | Date: 08/10/09                     |
|                                                                                      |                        | Photographer: Timothy S. Schalk    |
| 8                                                                                    | Location / Orientation | See Figure 3                       |
|                                                                                      | Remarks                | Second floor offices, facing west. |

## **APPENDIX II**

### EDR RADIUS MAP REPORT





**Former Townsend Primary Care Clinic**

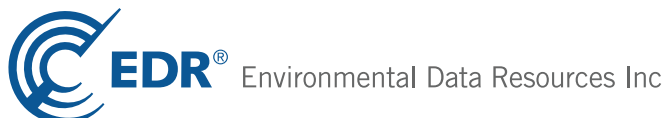
1151 Laurel Road

Townsend, TN 37882

Inquiry Number: 2554139.2s

July 30, 2009

**The EDR Radius Map™ Report with GeoCheck®**



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

## TABLE OF CONTENTS

| <u>SECTION</u>                                           | <u>PAGE</u> |
|----------------------------------------------------------|-------------|
| Executive Summary .....                                  | ES1         |
| Overview Map .....                                       | 2           |
| Detail Map .....                                         | 3           |
| Map Findings Summary .....                               | 4           |
| Map Findings .....                                       | 7           |
| Orphan Summary .....                                     | 8           |
| Zip Scan Report .....                                    | ZIP-1       |
| Government Records Searched/Data Currency Tracking ..... | GR-1        |
| <br><u>GEOCHECK ADDENDUM</u>                             |             |
| Physical Setting Source Addendum .....                   | A-1         |
| Physical Setting Source Summary .....                    | A-2         |
| Physical Setting Source Map .....                        | A-7         |
| Physical Setting Source Map Findings .....               | A-8         |
| Physical Setting Source Records Searched .....           | A-15        |

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2009 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

1151 LAUREL ROAD  
TOWNSEND, TN 37882

#### COORDINATES

|                                |                           |
|--------------------------------|---------------------------|
| Latitude (North):              | 35.675600 - 35° 40' 32.2" |
| Longitude (West):              | 83.794400 - 83° 47' 39.8" |
| Universal Transverse Mercator: | Zone 17                   |
| UTM X (Meters):                | 247081.7                  |
| UTM Y (Meters):                | 3951367.8                 |
| Elevation:                     | 1030 ft. above sea level  |

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

|                       |                             |
|-----------------------|-----------------------------|
| Target Property Map:  | 35083-F7 KINZEL SPRINGS, TN |
| Most Recent Revision: | 1978                        |

### AERIAL PHOTOGRAPHY IN THIS REPORT

|                         |            |
|-------------------------|------------|
| Portions of Photo from: | 2005, 2006 |
| Source:                 | USDA       |

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

NPL..... National Priority List

## EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Transporters, Storage and Disposal

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls

### ***State- and tribal - equivalent NPL***

SHWS..... List of Inactive Hazardous Substance Sites

### ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF..... Solid Waste Disposal Facilities

### ***State and tribal leaking storage tank lists***

LUST..... Leaking Underground Storage Tank Database Listing  
LUST TRUST..... LUST TRUST Fund Database  
LUST\_JO..... Leaking Underground Storage Tanks Sites  
HIST\_LUST CO..... Leaking Underground Storage Tanks Sites  
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

UST..... Facility and Tank Report  
AST..... Aboveground Storage Tanks  
INDIAN UST..... Underground Storage Tanks on Indian Land

## EXECUTIVE SUMMARY

### ***State and tribal institutional control / engineering control registries***

ENG CONTROLS..... Engineering Control Sites  
INST CONTROL..... Institutional Control Sites

### ***State and tribal voluntary cleanup sites***

VCP..... Voluntary Cleanup, Oversight and Assistance Program Sites  
INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Superfund VOAP Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

#### ***Local Lists of Hazardous waste / Contaminated Sites***

US CDL..... Clandestine Drug Labs  
PRIORITYCLEANERS..... DCERP Remediation Sites Listing  
CDL..... Registry of Contaminated Properties

#### ***Local Lists of Registered Storage Tanks***

HIST UST..... Underground Storage Tank Database

#### ***Local Land Records***

LIENS 2..... CERCLA Lien Information  
LUCIS..... Land Use Control Information System

#### ***Records of Emergency Release Reports***

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... State Spills

#### ***Other Ascertainable Records***

RCRA-NonGen..... RCRA - Non Generators  
DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees



## EXECUTIVE SUMMARY

|                       |                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| ROD.....              | Records Of Decision                                                                                                         |
| UMTRA.....            | Uranium Mill Tailings Sites                                                                                                 |
| MINES.....            | Mines Master Index File                                                                                                     |
| TRIS.....             | Toxic Chemical Release Inventory System                                                                                     |
| TSCA.....             | Toxic Substances Control Act                                                                                                |
| FTTS.....             | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) |
| HIST FTTS.....        | FIFRA/TSCA Tracking System Administrative Case Listing                                                                      |
| SSTS.....             | Section 7 Tracking Systems                                                                                                  |
| ICIS.....             | Integrated Compliance Information System                                                                                    |
| PADS.....             | PCB Activity Database System                                                                                                |
| MLTS.....             | Material Licensing Tracking System                                                                                          |
| RADINFO.....          | Radiation Information Database                                                                                              |
| FINDS.....            | Facility Index System/Facility Registry System                                                                              |
| RAATS.....            | RCRA Administrative Action Tracking System                                                                                  |
| DRYCLEANERS.....      | Registered Facilities List                                                                                                  |
| NPDES.....            | Permitted Facility Listing                                                                                                  |
| AIRS.....             | Listing of Permitted Sources                                                                                                |
| INDIAN RESERV.....    | Indian Reservations                                                                                                         |
| SCRD DRYCLEANERS..... | State Coalition for Remediation of Drycleaners Listing                                                                      |

### EDR PROPRIETARY RECORDS

#### ***EDR Proprietary Records***

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal ERNS list***

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2008 has revealed that there is 1 ERNS site within approximately 1 mile of the target property.

## EXECUTIVE SUMMARY

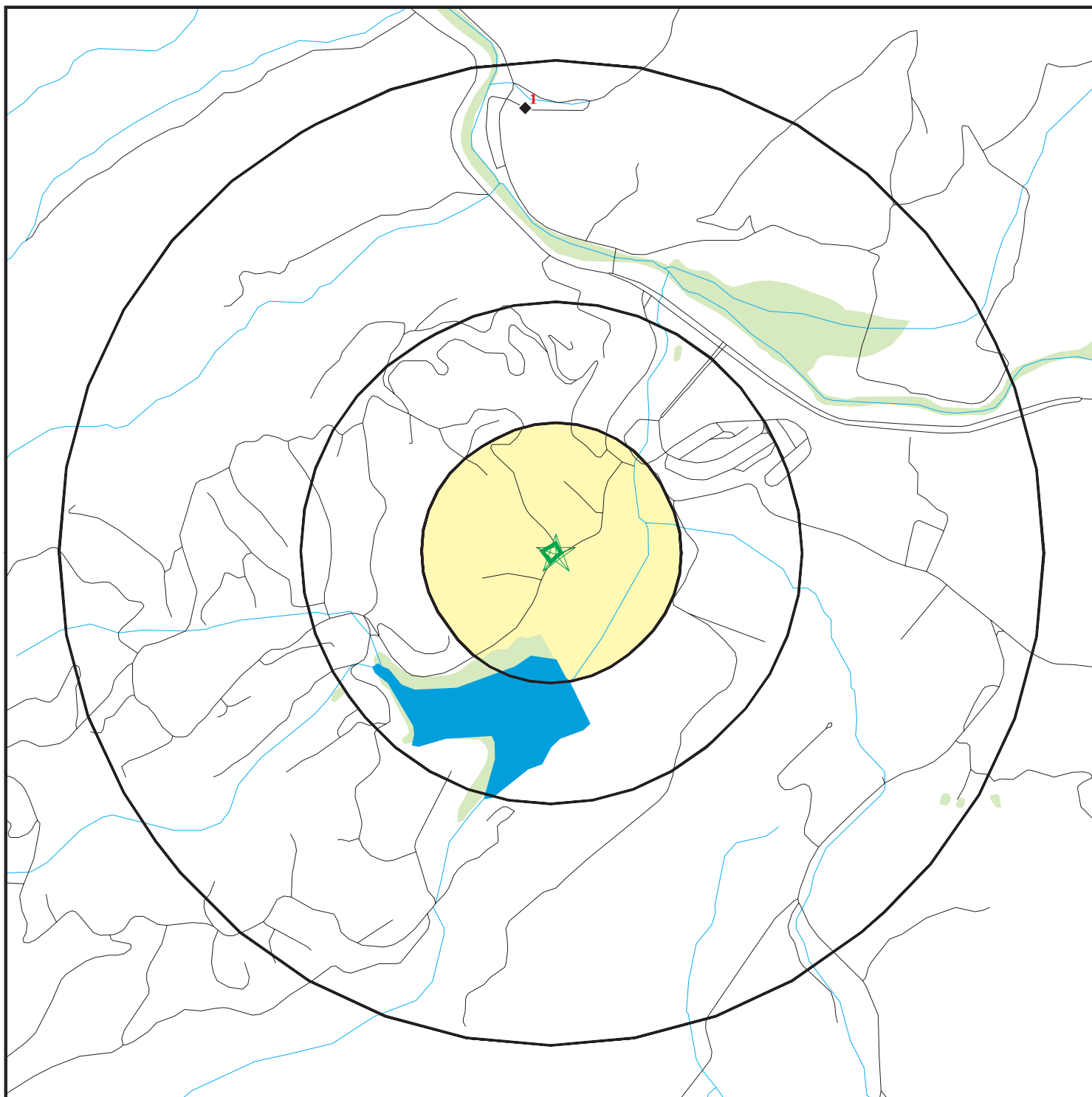
| <u>Lower Elevation</u> | <u>Address</u>  | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|------------------------|-----------------|-----------------------------|---------------|-------------|
| 208 LOVERS LANE        | 208 LOVERS LANE | N 1/2 - 1 (0.904 mi.)       | 1             | 7           |

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

| <u>Site Name</u>                   | <u>Database(s)</u> |
|------------------------------------|--------------------|
| LITTLE RIVER VILLAGE               | HIST UST           |
| NAWGER NOB                         | HIST UST           |
| CADES COVE CAMPGROUND              | HIST UST           |
| VILLAGE MARKET TOWNSEND            | UST, HIST UST      |
| CARL KOELLA, JR.                   | HIST UST           |
| ALCOA/MARYVILLE/BLOUNT CO. CLASS I | SWF/LF             |
| RUSKAT INC                         | FINDS, RCRA-NonGen |
| FRANKS MARKET                      | LUST TRUST         |

# OVERVIEW MAP - 2554139.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Oil & Gas pipelines
-  National Wetland Inventory
-  State Wetlands

0 1/4 1/2 1 Miles

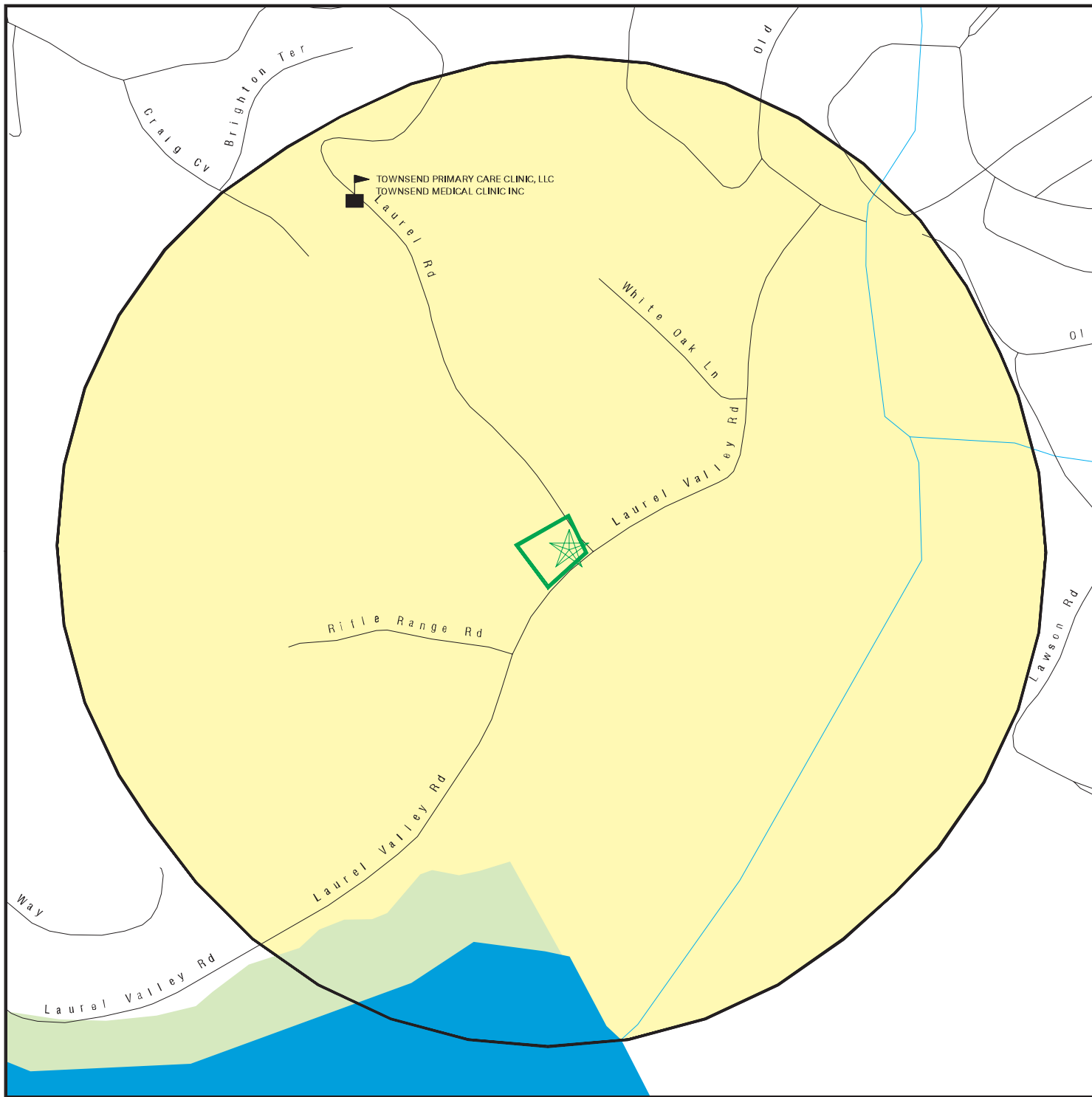


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Townsend Primary Care Clinic  
 ADDRESS: 1151 Laurel Road  
 Townsend TN 37882  
 LAT/LONG: 35.6756 / 83.7944

CLIENT: S&ME  
 CONTACT: Tim Schalk  
 INQUIRY #: 2554139.2s  
 DATE: July 30, 2009 3:15 pm

# DETAIL MAP - 2554139.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Oil & Gas pipelines
-  National Wetland Inventory
-  State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Townsend Primary Care Clinic  
 ADDRESS: 1151 Laurel Road  
 Townsend TN 37882  
 LAT/LONG: 35.6756 / 83.7944

CLIENT: S&ME  
 CONTACT: Tim Schalk  
 INQUIRY #: 2554139.2s  
 DATE: July 30, 2009 3:15 pm

## MAP FINDINGS SUMMARY

| Database                                                                       | Target Property | Search Distance (Miles) | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|--------------------------------------------------------------------------------|-----------------|-------------------------|-------|-----------|-----------|---------|-----|---------------|
| <b>STANDARD ENVIRONMENTAL RECORDS</b>                                          |                 |                         |       |           |           |         |     |               |
| <b><i>Federal NPL site list</i></b>                                            |                 |                         |       |           |           |         |     |               |
| NPL                                                                            |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| Proposed NPL                                                                   |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| NPL LIENS                                                                      |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| <b><i>Federal Delisted NPL site list</i></b>                                   |                 |                         |       |           |           |         |     |               |
| Delisted NPL                                                                   |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| <b><i>Federal CERCLIS list</i></b>                                             |                 |                         |       |           |           |         |     |               |
| CERCLIS                                                                        |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| <b><i>Federal CERCLIS NFRAP site List</i></b>                                  |                 |                         |       |           |           |         |     |               |
| CERC-NFRAP                                                                     |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| <b><i>Federal RCRA CORRACTS facilities list</i></b>                            |                 |                         |       |           |           |         |     |               |
| CORRACTS                                                                       |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| <b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>                    |                 |                         |       |           |           |         |     |               |
| RCRA-TSDF                                                                      |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| <b><i>Federal RCRA generators list</i></b>                                     |                 |                         |       |           |           |         |     |               |
| RCRA-LQG                                                                       |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| RCRA-SQG                                                                       |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| RCRA-CESQG                                                                     |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| <b><i>Federal institutional controls / engineering controls registries</i></b> |                 |                         |       |           |           |         |     |               |
| US ENG CONTROLS                                                                |                 | 0.500                   | 0     | 0         | 0         | NR      | NR  | 0             |
| US INST CONTROL                                                                |                 | 0.500                   | 0     | 0         | 0         | NR      | NR  | 0             |
| <b><i>Federal ERNS list</i></b>                                                |                 |                         |       |           |           |         |     |               |
| ERNS                                                                           |                 | 1.000                   | 0     | 0         | 0         | 1       | NR  | 1             |
| <b><i>State- and tribal - equivalent NPL</i></b>                               |                 |                         |       |           |           |         |     |               |
| SHWS                                                                           |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| <b><i>State and tribal landfill and/or solid waste disposal site lists</i></b> |                 |                         |       |           |           |         |     |               |
| SWF/LF                                                                         |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| <b><i>State and tribal leaking storage tank lists</i></b>                      |                 |                         |       |           |           |         |     |               |
| LUST                                                                           |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| LUST TRUST                                                                     |                 | 0.500                   | 0     | 0         | 0         | NR      | NR  | 0             |
| LUST_JO                                                                        |                 | TP                      | NR    | NR        | NR        | NR      | NR  | 0             |
| HIST_LUST CO                                                                   |                 | TP                      | NR    | NR        | NR        | NR      | NR  | 0             |
| INDIAN LUST                                                                    |                 | 0.500                   | 0     | 0         | 0         | NR      | NR  | 0             |
| <b><i>State and tribal registered storage tank lists</i></b>                   |                 |                         |       |           |           |         |     |               |
| UST                                                                            |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |



## MAP FINDINGS SUMMARY

| Database                                                                       | Target Property | Search Distance (Miles) | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|--------------------------------------------------------------------------------|-----------------|-------------------------|-------|-----------|-----------|---------|-----|---------------|
| AST                                                                            |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| INDIAN UST                                                                     |                 | 0.250                   | 0     | 0         | NR        | NR      | NR  | 0             |
| <b>State and tribal institutional control / engineering control registries</b> |                 |                         |       |           |           |         |     |               |
| ENG CONTROLS                                                                   |                 | 0.250                   | 0     | 0         | NR        | NR      | NR  | 0             |
| INST CONTROL                                                                   | TP              |                         | NR    | NR        | NR        | NR      | NR  | 0             |
| <b>State and tribal voluntary cleanup sites</b>                                |                 |                         |       |           |           |         |     |               |
| VCP                                                                            |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| INDIAN VCP                                                                     |                 | 0.500                   | 0     | 0         | 0         | NR      | NR  | 0             |
| <b>State and tribal Brownfields sites</b>                                      |                 |                         |       |           |           |         |     |               |
| BROWNFIELDS                                                                    | TP              |                         | NR    | NR        | NR        | NR      | NR  | 0             |
| <b>ADDITIONAL ENVIRONMENTAL RECORDS</b>                                        |                 |                         |       |           |           |         |     |               |
| <b>Local Brownfield lists</b>                                                  |                 |                         |       |           |           |         |     |               |
| US BROWNFIELDS                                                                 | TP              |                         | NR    | NR        | NR        | NR      | NR  | 0             |
| <b>Local Lists of Landfill / Solid Waste Disposal Sites</b>                    |                 |                         |       |           |           |         |     |               |
| DEBRIS REGION 9                                                                |                 | 0.500                   | 0     | 0         | 0         | NR      | NR  | 0             |
| ODI                                                                            | TP              |                         | NR    | NR        | NR        | NR      | NR  | 0             |
| INDIAN ODI                                                                     |                 | 0.500                   | 0     | 0         | 0         | NR      | NR  | 0             |
| <b>Local Lists of Hazardous waste / Contaminated Sites</b>                     |                 |                         |       |           |           |         |     |               |
| US CDL                                                                         | TP              |                         | NR    | NR        | NR        | NR      | NR  | 0             |
| PRIORITYCLEANERS                                                               |                 | 0.500                   | 0     | 0         | 0         | NR      | NR  | 0             |
| CDL                                                                            | TP              |                         | NR    | NR        | NR        | NR      | NR  | 0             |
| <b>Local Lists of Registered Storage Tanks</b>                                 |                 |                         |       |           |           |         |     |               |
| HIST UST                                                                       |                 | 0.250                   | 0     | 0         | NR        | NR      | NR  | 0             |
| <b>Local Land Records</b>                                                      |                 |                         |       |           |           |         |     |               |
| LIENS 2                                                                        | TP              |                         | NR    | NR        | NR        | NR      | NR  | 0             |
| LUCIS                                                                          |                 | 0.500                   | 0     | 0         | 0         | NR      | NR  | 0             |
| <b>Records of Emergency Release Reports</b>                                    |                 |                         |       |           |           |         |     |               |
| HMIRS                                                                          |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| SPILLS                                                                         | TP              |                         | NR    | NR        | NR        | NR      | NR  | 0             |
| <b>Other Ascertainable Records</b>                                             |                 |                         |       |           |           |         |     |               |
| RCRA-NonGen                                                                    | TP              |                         | NR    | NR        | NR        | NR      | NR  | 0             |
| DOT OPS                                                                        | TP              |                         | NR    | NR        | NR        | NR      | NR  | 0             |
| DOD                                                                            | TP              |                         | NR    | NR        | NR        | NR      | NR  | 0             |
| FUDS                                                                           |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| CONSENT                                                                        |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |
| ROD                                                                            |                 | 1.000                   | 0     | 0         | 0         | 0       | NR  | 0             |

## MAP FINDINGS SUMMARY

| Database         | Target<br>Property | Search<br>Distance<br>(Miles) | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total<br>Plotted |
|------------------|--------------------|-------------------------------|-------|-----------|-----------|---------|-----|------------------|
| UMTRA            |                    | 0.500                         | 0     | 0         | 0         | NR      | NR  | 0                |
| MINES            |                    | 1.000                         | 0     | 0         | 0         | 0       | NR  | 0                |
| TRIS             |                    | 1.000                         | 0     | 0         | 0         | 0       | NR  | 0                |
| TSCA             |                    | 1.000                         | 0     | 0         | 0         | 0       | NR  | 0                |
| FTTS             |                    | 1.000                         | 0     | 0         | 0         | 0       | NR  | 0                |
| HIST FTTS        | TP                 |                               | NR    | NR        | NR        | NR      | NR  | 0                |
| SSTS             | TP                 |                               | NR    | NR        | NR        | NR      | NR  | 0                |
| ICIS             | TP                 |                               | NR    | NR        | NR        | NR      | NR  | 0                |
| PADS             |                    | 1.000                         | 0     | 0         | 0         | 0       | NR  | 0                |
| MLTS             |                    | 1.000                         | 0     | 0         | 0         | 0       | NR  | 0                |
| RADINFO          | TP                 |                               | NR    | NR        | NR        | NR      | NR  | 0                |
| FINDS            |                    | 1.000                         | 0     | 0         | 0         | 0       | NR  | 0                |
| RAATS            |                    | 1.000                         | 0     | 0         | 0         | 0       | NR  | 0                |
| DRYCLEANERS      |                    | 1.000                         | 0     | 0         | 0         | 0       | NR  | 0                |
| NPDES            | TP                 |                               | NR    | NR        | NR        | NR      | NR  | 0                |
| AIRS             | TP                 |                               | NR    | NR        | NR        | NR      | NR  | 0                |
| INDIAN RESERV    |                    | 1.000                         | 0     | 0         | 0         | 0       | NR  | 0                |
| SCRD DRYCLEANERS |                    | 0.500                         | 0     | 0         | 0         | NR      | NR  | 0                |

### EDR PROPRIETARY RECORDS

#### ***EDR Proprietary Records***

|                         |  |       |   |   |   |   |    |   |
|-------------------------|--|-------|---|---|---|---|----|---|
| Manufactured Gas Plants |  | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
|-------------------------|--|-------|---|---|---|---|----|---|

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

1  
North  
1/2-1  
0.904 mi.  
4771 ft.

208 LOVERS LANE  
208 LOVERS LANE  
TOWNSEND, TN

ERNS 94394247  
N/A

Relative:  
Lower

[Click this hyperlink](#) while viewing on your computer to access  
additional ERNS detail in the EDR Site Report.

Actual:  
1004 ft.

## ORPHAN SUMMARY

| City          | EDR ID     | Site Name                          | Site Address                   | Zip   | Database(s)        |
|---------------|------------|------------------------------------|--------------------------------|-------|--------------------|
| BLOUNT COUNTY | S105550187 | ALCOA/MARYVILLE/BLOUNT CO. CLASS I | ALCOA/MARYVILLE/BLOUNT CO. CLA |       | SWF/LF             |
| TOWNSEND      | U003609989 | LITTLE RIVER VILLAGE               | RT. 1 BOX 84                   | 37882 | HIST UST           |
| TOWNSEND      | U003610004 | NAWGER NOB                         | RT. 1, HIGHWAY 321             | 37882 | HIST UST           |
| TOWNSEND      | U003608379 | CADES COVE CAMPGROUND              | GREAT SMOKEY MOUNTAIN NATIONAL | 37882 | HIST UST           |
| TOWNSEND      | S105980700 | FRANKS MARKET                      | 8125 E. LAMAR PWKY             | 37882 | LUST TRUST         |
| TOWNSEND      | U003733164 | VILLAGE MARKET TOWNSEND            | 7945 EAST LAMAR                | 37882 | UST, HIST UST      |
| TOWNSEND      | 1000915780 | RUSKAT INC                         | OLD HWY 73                     | 37882 | FINDS, RCRA-NonGen |
| TOWNSEND      | U003609950 | CARL KOELLA, JR.                   | RT.1                           | 37882 | HIST UST           |

# EDR ZIP Code Scan Report

| ZIP                                                                                                                                                    | EDR-ID     | Facility ID  | Name                            | Address                            | Map/Dir/Dist | City        | State | Databases                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|---------------------------------|------------------------------------|--------------|-------------|-------|----------------------------|
| ** - Indicates location may or may not be in requested radius. Site has not been assigned a latitude/longitude coordinate. Further review recommended. |            |              |                                 |                                    |              |             |       |                            |
| 37882                                                                                                                                                  | 1009770075 | 110027782228 | CADES COVE CAMPGROUND           |                                    | **           |             | TN    | FINDS                      |
| 37882                                                                                                                                                  | 1009785825 | 110027757808 | CAYLOR S AMOCO                  |                                    | **           |             | TN    | FINDS                      |
| 37882                                                                                                                                                  | 1009786223 | 110027758095 | CEDAR BLUFF BP                  |                                    | **           |             | TN    | FINDS                      |
| 37882                                                                                                                                                  | 1009659055 | 110027669182 | TOWNSEND SHOPPING CENTER        |                                    | **           |             | TN    | FINDS                      |
| 37882                                                                                                                                                  | 1009658104 | 110027658700 | LITTLE RIVER VILLAGE            |                                    | **           |             | TN    | FINDS                      |
| 37882                                                                                                                                                  | 1009661857 | 110027704731 | PARKWAY GROCERY                 |                                    | **           |             | TN    | FINDS                      |
| 37882                                                                                                                                                  | 1009663645 | 110027694868 | NAWGER NOB                      |                                    | **           |             | TN    | FINDS                      |
| 37882                                                                                                                                                  | 1009656310 | 110027613072 | FRANKS MARKET, TOWNSEND CITGO   |                                    | **           |             | TN    | FINDS                      |
| 37882                                                                                                                                                  | 1009658105 | 110027658746 | LITTLE RIVER VILLAGE CAMPGROUND |                                    | **           |             | TN    | FINDS                      |
| 37882                                                                                                                                                  | 1009668781 | 110027702939 | OLD SMOKY MARKET11              |                                    | **           |             | TN    | FINDS                      |
| 37882                                                                                                                                                  | 1009787556 | 110027787250 | CARL KOELLA, JR.                |                                    | **           |             | TN    | FINDS                      |
| 37882                                                                                                                                                  | U003609989 | 2-050124     | LITTLE RIVER VILLAGE            | RT. 1 BOX 84                       | **           | TOWNSEND    | TN    | HIST UST                   |
| 37882                                                                                                                                                  | U003610004 | 2-050149     | NAWGER NOB                      | RT. 1, HIGHWAY 321                 | **           | TOWNSEND    | TN    | HIST UST                   |
| 37882                                                                                                                                                  | S108857333 |              | LITTLE RIVER VILLAGE            | 8533 HWY. 73                       | **           | TOWNSEND    | TN    | AIRS                       |
| 37882                                                                                                                                                  | S107461336 | 3330474      | LUTEX CHEMICAL CORPORATION      | 6153 AIRWAYS BLVD                  |              | CHATTANOOGA | TN    | LUST                       |
| 37882                                                                                                                                                  | S108323381 | 200500-2506  |                                 | 341 COURT STREET                   |              | TOWNSEND    | TN    | SPILLS                     |
| 37882                                                                                                                                                  | U003608379 | 0-050225     | CADES COVE CAMPGROUND           | GREAT SMOKEY MOUNTAIN NATIONAL P,  | **           | TOWNSEND    | TN    | HIST UST                   |
| 37882                                                                                                                                                  | 99644640   |              | E HWY 50                        | E HWY 50                           | **           | DODGE CITY  | KS    | ERNS                       |
| 37882                                                                                                                                                  | U003610005 | 2-050153     | OLD SMOKY MARKET11              | 7523 EAST LAMAR ALEXANDER PKWY.    |              | TOWNSEND    | TN    | HIST UST, LUST TRUST, LUST |
| 37882                                                                                                                                                  | U003083541 | 2-050307     | TUCKALEECHIE MARKET             | 7523 EAST LAMAR ALEXANDER PKWY.    |              | TOWNSEND    | TN    | HIST UST, UST              |
| 37882                                                                                                                                                  | U003609951 | 2-050033     | CAYLOR'S AMOCO                  | 7622 EAST LAMAR ALEXANDER PKWY.    |              | TOWNSEND    | TN    | HIST UST                   |
| 37882                                                                                                                                                  | S108857708 |              | PARKWAY GROCERY                 | 7665 E. LAMAR ALEXANDER PKWY       |              | TOWNSEND    | TN    | AIRS                       |
| 37882                                                                                                                                                  | U001314190 | 2-050239     | PARKWAY GROCERY                 | 7665 EAST LAMAR ALEXANDER PKWY.    |              | TOWNSEND    | TN    | HIST UST, UST              |
| 37882                                                                                                                                                  | U003733164 | 2-050324     | VILLAGE MARKET TOWSEND          | 7945 EAST LAMAR                    | **           | TOWNSEND    | TN    | HIST UST, UST              |
| 37882                                                                                                                                                  | S107459767 | 2050005      | FRANK'S MARKET CITGO            | 8125 E LAMAR ALEXANDER PKWY        |              | TOWNSEND    | TN    | LUST                       |
| 37882                                                                                                                                                  | S105980700 | 2050005      | FRANKS MARKET                   | 8125 E. LAMAR PWKY                 | **           | TOWNSEND    | TN    | LUST TRUST                 |
| 37882                                                                                                                                                  | U003528738 | 2-050005     | FRANKS MARKET, TOWNSEND CITGO   | 8125 EAST LAMAR ALEXANDER PKWY.    |              | TOWNSEND    | TN    | HIST UST, LUST, UST        |
| 37882                                                                                                                                                  | U002099113 | 2-050198     | TOWNSEND SHOPPING CENTER        | 7609 OLD HIGHWAY 73                |              | TOWNSEND    | TN    | HIST UST, AIRS, UST        |
| 37882                                                                                                                                                  | 1000915780 | 110007851985 | RUSKAT INC                      | OLD HWY 73                         | **           | TOWNSEND    | TN    | RCRA-NonGen, FINDS         |
| 37882                                                                                                                                                  | 1004782060 | 110008121433 | SOUTH CENTRAL BELL TWNSTNMA     | RIVER DRIVE                        | **           | TOWNSEND    | TN    | RCRA-NonGen, FINDS         |
| 37882                                                                                                                                                  | U003609950 | 2-050032     | CARL KOELLA, JR.                | RT.1                               | **           | TOWNSEND    | TN    | HIST UST                   |
| 37882                                                                                                                                                  | U003609952 | 2-050034     | CEDAR BLUFF BP                  | 8349 STATE HIGHWAY 73 P.O. BOX 246 |              | TOWNSEND    | TN    | HIST UST                   |
| 37882                                                                                                                                                  | U002099078 | 2-050123     | LITTLE RIVER VILLAGE CAMPGROUND | 8533 STATE HIGHWAY 73              |              | TOWNSEND    | TN    | HIST UST, UST              |
| 37882                                                                                                                                                  | 1009712204 | 110026047196 | TOWNSEND ELEMENTARY SCHOOL      | 140 TIGER DR                       |              | TOWNSEND    | TN    | FINDS                      |
| 37882                                                                                                                                                  | S107860616 |              | TENNESSEE GREYSTONE LLP         | TOWNSEND                           | **           | TOWNSEND    | TN    | NPDES                      |
| 37882                                                                                                                                                  | S107861291 |              | TREMONT INSTITUTE               | 9275 TREMONT ROAD                  | **           | TOWNSEND    | TN    | NPDES                      |

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

##### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Date of Government Version: 02/02/2009  | Source: EPA                            |
| Date Data Arrived at EDR: 02/12/2009    | Telephone: N/A                         |
| Date Made Active in Reports: 03/30/2009 | Last EDR Contact: 07/27/2009           |
| Number of Days to Update: 46            | Next Scheduled EDR Contact: 10/26/2009 |
|                                         | Data Release Frequency: Quarterly      |

##### **NPL Site Boundaries**

###### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

##### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Date of Government Version: 04/23/2009  | Source: EPA                            |
| Date Data Arrived at EDR: 04/28/2009    | Telephone: N/A                         |
| Date Made Active in Reports: 05/19/2009 | Last EDR Contact: 07/27/2009           |
| Number of Days to Update: 21            | Next Scheduled EDR Contact: 10/26/2009 |
|                                         | Data Release Frequency: Quarterly      |

##### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Date of Government Version: 10/15/1991  | Source: EPA                               |
| Date Data Arrived at EDR: 02/02/1994    | Telephone: 202-564-4267                   |
| Date Made Active in Reports: 03/30/1994 | Last EDR Contact: 05/17/2009              |
| Number of Days to Update: 56            | Next Scheduled EDR Contact: 08/17/2009    |
|                                         | Data Release Frequency: No Update Planned |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

### DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Date of Government Version: 02/02/2009  | Source: EPA                            |
| Date Data Arrived at EDR: 02/12/2009    | Telephone: N/A                         |
| Date Made Active in Reports: 03/30/2009 | Last EDR Contact: 07/27/2009           |
| Number of Days to Update: 46            | Next Scheduled EDR Contact: 10/26/2009 |
|                                         | Data Release Frequency: Quarterly      |

## ***Federal CERCLIS list***

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Date of Government Version: 01/09/2009  | Source: EPA                            |
| Date Data Arrived at EDR: 01/30/2009    | Telephone: 703-412-9810                |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 07/14/2009           |
| Number of Days to Update: 101           | Next Scheduled EDR Contact: 10/12/2009 |
|                                         | Data Release Frequency: Quarterly      |

## ***Federal CERCLIS NFRAP site List***

### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Date of Government Version: 12/03/2007  | Source: EPA                            |
| Date Data Arrived at EDR: 12/06/2007    | Telephone: 703-412-9810                |
| Date Made Active in Reports: 02/20/2008 | Last EDR Contact: 06/15/2009           |
| Number of Days to Update: 76            | Next Scheduled EDR Contact: 09/14/2009 |
|                                         | Data Release Frequency: Quarterly      |

## ***Federal RCRA CORRACTS facilities list***

### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Date of Government Version: 03/25/2009  | Source: EPA                            |
| Date Data Arrived at EDR: 04/02/2009    | Telephone: 800-424-9346                |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 06/01/2009           |
| Number of Days to Update: 39            | Next Scheduled EDR Contact: 08/31/2009 |
|                                         | Data Release Frequency: Quarterly      |

## ***Federal RCRA non-CORRACTS TSD facilities list***

### RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/12/2008  
Date Data Arrived at EDR: 11/18/2008  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 118

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 07/23/2009  
Next Scheduled EDR Contact: 10/19/2009  
Data Release Frequency: Quarterly

### ***Federal RCRA generators list***

#### **RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008  
Date Data Arrived at EDR: 11/18/2008  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 118

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 07/23/2009  
Next Scheduled EDR Contact: 10/19/2009  
Data Release Frequency: Quarterly

#### **RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/12/2008  
Date Data Arrived at EDR: 11/18/2008  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 118

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 07/23/2009  
Next Scheduled EDR Contact: 10/19/2009  
Data Release Frequency: Quarterly

#### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008  
Date Data Arrived at EDR: 11/18/2008  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 118

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 07/23/2009  
Next Scheduled EDR Contact: 10/19/2009  
Data Release Frequency: Varies

### ***Federal institutional controls / engineering controls registries***

#### **US ENG CONTROLS: Engineering Controls Sites List**

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/31/2009  
Date Data Arrived at EDR: 04/22/2009  
Date Made Active in Reports: 05/05/2009  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 703-603-0695  
Last EDR Contact: 06/29/2009  
Next Scheduled EDR Contact: 09/28/2009  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/31/2009  
Date Data Arrived at EDR: 04/22/2009  
Date Made Active in Reports: 05/05/2009  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 703-603-0695  
Last EDR Contact: 06/29/2009  
Next Scheduled EDR Contact: 09/28/2009  
Data Release Frequency: Varies

### ***Federal ERNS list***

#### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2008  
Date Data Arrived at EDR: 01/30/2009  
Date Made Active in Reports: 05/19/2009  
Number of Days to Update: 109

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 07/21/2009  
Next Scheduled EDR Contact: 10/19/2009  
Data Release Frequency: Annually

### ***State- and tribal - equivalent NPL***

#### SHWS: Promulgated Sites

"Inactive hazardous substance sites that constitute an imminent, substantial danger" is an inactive hazardous substance site where there is a threat of danger to the public health, safety, or environment which is both real and presently existing. Such situations may include, but are not limited to one or more of the following: an immediate action is necessary to minimize an ongoing threat to the public health or pollution of the environment, an inactive hazardous substance site where there is an active release, where direct access to the hazardous substance is not controlled, or where incompatible hazardous substances are found in close proximity. Also known as Promulgated Sites List.

Date of Government Version: 04/28/2009  
Date Data Arrived at EDR: 05/06/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 23

Source: Department of Environment & Conservation  
Telephone: 615-532-0900  
Last EDR Contact: 07/27/2009  
Next Scheduled EDR Contact: 10/26/2009  
Data Release Frequency: Semi-Annually

### ***State and tribal landfill and/or solid waste disposal site lists***

#### SWF/LF: Solid Waste Disposal Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/04/2009  
Date Data Arrived at EDR: 04/21/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 38

Source: Department of Environment and Conservation  
Telephone: 615-532-0804  
Last EDR Contact: 07/20/2009  
Next Scheduled EDR Contact: 10/05/2009  
Data Release Frequency: Annually

### ***State and tribal leaking storage tank lists***

#### LUST: Fund Eligible Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank site locations.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/25/2009  
Date Data Arrived at EDR: 06/26/2009  
Date Made Active in Reports: 07/20/2009  
Number of Days to Update: 24

Source: Department of Environment and Conservation  
Telephone: 615-532-0945  
Last EDR Contact: 06/08/2009  
Next Scheduled EDR Contact: 09/07/2009  
Data Release Frequency: Quarterly

### LUST\_JO: Leaking Underground Storage Tanks Sites

Leaking UST sites in Carter, Greene, Hancock, Hawkins, Johnson, Sullivan, Unicoi and Washington counties.

Date of Government Version: 08/02/2005  
Date Data Arrived at EDR: 08/03/2005  
Date Made Active in Reports: 09/07/2005  
Number of Days to Update: 35

Source: Department of Environmental Conservation, Johnson City Field Office  
Telephone: 423-854-5441  
Last EDR Contact: 06/29/2009  
Next Scheduled EDR Contact: 09/28/2009  
Data Release Frequency: Varies

### LUST TRUST: LUST TRUST Fund Database

This list contains information on sites that had accidental releases of petroleum and are eligible for reimbursement from the TN Petroleum UST Fund.

Date of Government Version: 06/25/2009  
Date Data Arrived at EDR: 06/26/2009  
Date Made Active in Reports: 07/20/2009  
Number of Days to Update: 24

Source: Department of Environment & Conservation  
Telephone: 615-532-0971  
Last EDR Contact: 06/08/2009  
Next Scheduled EDR Contact: 09/07/2009  
Data Release Frequency: Varies

### HIST\_LUST CO: Leaking Underground Storage Tanks Sites

A listing of leaking underground storage tank site locations from the Columbia Field Office. The listing is no longer updated.

Date of Government Version: 10/18/1994  
Date Data Arrived at EDR: 10/24/1994  
Date Made Active in Reports: 12/30/1994  
Number of Days to Update: 67

Source: Department of Environmental Conservation, Columbia Field Office  
Telephone: 931-380-3371  
Last EDR Contact: 06/29/2009  
Next Scheduled EDR Contact: 09/28/2009  
Data Release Frequency: No Update Planned

### INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009  
Date Data Arrived at EDR: 02/19/2009  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 25

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 05/17/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Varies

### INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/24/2009  
Date Data Arrived at EDR: 03/03/2009  
Date Made Active in Reports: 05/05/2009  
Number of Days to Update: 63

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 05/17/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Semi-Annually

### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/20/2009  
Date Data Arrived at EDR: 05/20/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 9

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 05/17/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Date of Government Version: 03/24/2009  | Source: EPA Region 7                   |
| Date Data Arrived at EDR: 05/20/2009    | Telephone: 913-551-7003                |
| Date Made Active in Reports: 06/17/2009 | Last EDR Contact: 05/20/2009           |
| Number of Days to Update: 28            | Next Scheduled EDR Contact: 08/17/2009 |
|                                         | Data Release Frequency: Varies         |

### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Date of Government Version: 06/01/2009  | Source: EPA Region 8                   |
| Date Data Arrived at EDR: 06/03/2009    | Telephone: 303-312-6271                |
| Date Made Active in Reports: 06/17/2009 | Last EDR Contact: 05/17/2009           |
| Number of Days to Update: 14            | Next Scheduled EDR Contact: 08/17/2009 |
|                                         | Data Release Frequency: Quarterly      |

### INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| Date of Government Version: 12/15/2008  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/16/2008    | Telephone: 415-972-3372                 |
| Date Made Active in Reports: 03/16/2009 | Last EDR Contact: 05/17/2009            |
| Number of Days to Update: 90            | Next Scheduled EDR Contact: 08/17/2009  |
|                                         | Data Release Frequency: Quarterly       |

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Date of Government Version: 06/04/2009  | Source: EPA Region 10                  |
| Date Data Arrived at EDR: 06/05/2009    | Telephone: 206-553-2857                |
| Date Made Active in Reports: 06/17/2009 | Last EDR Contact: 05/17/2009           |
| Number of Days to Update: 12            | Next Scheduled EDR Contact: 08/17/2009 |
|                                         | Data Release Frequency: Quarterly      |

### **State and tribal registered storage tank lists**

#### UST: Facility and Tank Report

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

|                                         |                                                    |
|-----------------------------------------|----------------------------------------------------|
| Date of Government Version: 06/25/2009  | Source: Department of Environment and Conservation |
| Date Data Arrived at EDR: 06/26/2009    | Telephone: 615-532-0945                            |
| Date Made Active in Reports: 07/23/2009 | Last EDR Contact: 06/08/2009                       |
| Number of Days to Update: 27            | Next Scheduled EDR Contact: 09/07/2009             |
|                                         | Data Release Frequency: Quarterly                  |

#### AST: Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

|                                         |                                                    |
|-----------------------------------------|----------------------------------------------------|
| Date of Government Version: 10/01/1999  | Source: Department of Environment and Conservation |
| Date Data Arrived at EDR: 10/12/1999    | Telephone: 615-532-0965                            |
| Date Made Active in Reports: 11/05/1999 | Last EDR Contact: 05/18/2009                       |
| Number of Days to Update: 24            | Next Scheduled EDR Contact: 08/17/2009             |
|                                         | Data Release Frequency: No Update Planned          |

#### INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/19/2009  
Date Data Arrived at EDR: 02/19/2009  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 25

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 05/17/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Varies

### INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 06/04/2009  
Date Data Arrived at EDR: 06/05/2009  
Date Made Active in Reports: 06/17/2009  
Number of Days to Update: 12

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 05/17/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Quarterly

### INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/15/2008  
Date Data Arrived at EDR: 12/16/2008  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 90

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 05/17/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Quarterly

### INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 06/01/2009  
Date Data Arrived at EDR: 06/03/2009  
Date Made Active in Reports: 06/17/2009  
Number of Days to Update: 14

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 05/17/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Quarterly

### INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008  
Date Data Arrived at EDR: 12/30/2008  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 76

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 05/22/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Varies

### INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/20/2009  
Date Data Arrived at EDR: 05/20/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 9

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 05/17/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Semi-Annually

### INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 27

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 05/17/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/24/2009  
Date Data Arrived at EDR: 03/03/2009  
Date Made Active in Reports: 05/05/2009  
Number of Days to Update: 63

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 05/17/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Semi-Annually

### *State and tribal institutional control / engineering control registries*

#### ENG CONTROLS: Engineering Control Sites Sites that have engineering controls.

Date of Government Version: 01/26/2009  
Date Data Arrived at EDR: 03/10/2009  
Date Made Active in Reports: 04/02/2009  
Number of Days to Update: 23

Source: Department of Environment & Conservation  
Telephone: 615-532-0900  
Last EDR Contact: 06/08/2009  
Next Scheduled EDR Contact: 09/07/2009  
Data Release Frequency: Varies

#### INST CONTROL: Institutional Control Sites Sites that have institutional controls.

Date of Government Version: 01/26/2009  
Date Data Arrived at EDR: 03/10/2009  
Date Made Active in Reports: 04/02/2009  
Number of Days to Update: 23

Source: Department of Environment & Conservation  
Telephone: 615-532-0900  
Last EDR Contact: 06/08/2009  
Next Scheduled EDR Contact: 09/07/2009  
Data Release Frequency: Varies

### *State and tribal voluntary cleanup sites*

#### VCP: Voluntary Cleanup, Oversight and Assistance Program Sites

The Voluntary Cleanup Oversight and Assistance Program (VOAP) offers people the opportunity to work proactively with state government to address necessary cleanup of a property to return it to productive use. In return for their efforts, participants can receive a No Further Action letter and a release of liability for areas where investigation and cleanup is conducted. The program is open to everyone with an interest in addressing contamination at a site.

Date of Government Version: 04/27/2009  
Date Data Arrived at EDR: 04/28/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 31

Source: Department of Environmental & Conservation  
Telephone: 615-532-0912  
Last EDR Contact: 07/27/2009  
Next Scheduled EDR Contact: 10/26/2009  
Data Release Frequency: Varies

#### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 07/20/2009  
Next Scheduled EDR Contact: 10/19/2009  
Data Release Frequency: Varies

### **State and tribal Brownfields sites**

#### BROWNFIELDS: Superfund VOAP Listing

Brownfields sites included on the Superfund Voluntary Cleanup, Oversight & Assistance Program listing.

Date of Government Version: 04/27/2009  
Date Data Arrived at EDR: 04/28/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 31

Source: Department of Environment & Conservation  
Telephone: 615-532-0912  
Last EDR Contact: 07/27/2009  
Next Scheduled EDR Contact: 10/26/2009  
Data Release Frequency: Varies

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield lists**

##### US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008  
Date Data Arrived at EDR: 11/14/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 07/14/2009  
Next Scheduled EDR Contact: 10/12/2009  
Data Release Frequency: Semi-Annually

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

##### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

##### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/25/2008  
Date Data Arrived at EDR: 04/17/2008  
Date Made Active in Reports: 05/15/2008  
Number of Days to Update: 28

Source: EPA, Region 9  
Telephone: 415-972-3336  
Last EDR Contact: 07/13/2009  
Next Scheduled EDR Contact: 09/21/2009  
Data Release Frequency: Varies

### INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 05/26/2009  
Next Scheduled EDR Contact: 08/24/2009  
Data Release Frequency: Varies

### **Local Lists of Hazardous waste / Contaminated Sites**

#### CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 10/31/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 53

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/26/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: Quarterly

#### PRIORITY CLEANERS: DCERP Remediation Sites Listing

Drycleaner Environmental Response Program remediation sites.

Date of Government Version: 02/09/2009  
Date Data Arrived at EDR: 02/10/2009  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 34

Source: Department of Environment & Conservation  
Telephone: 615-253-3876  
Last EDR Contact: 05/11/2009  
Next Scheduled EDR Contact: 08/10/2009  
Data Release Frequency: Varies

#### CDL: Registry of Contaminated Properties

Pursuant to TCA 68212509 the following properties have been quarantined because of methamphetamine production, but have not been cleaned and certified within the 60day time frame allotted by the statute. These properties are hereby registered by the Tennessee Department of Environment and Conservation as unremediated methamphetamine sites. This is not a comprehensive list of quarantined properties. These are properties that TDEC has been notified as being quarantined, but have not been cleaned within the 60 day grace period. Other properties where methamphetamine production residues are a concern may not have been quarantined, may not have been reported to TDEC, or may not have passed the 60day grace

Date of Government Version: 12/15/2008  
Date Data Arrived at EDR: 03/03/2009  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 13

Source: Department of Environment & Conservation  
Telephone: 615-532-0900  
Last EDR Contact: 05/29/2009  
Next Scheduled EDR Contact: 08/24/2009  
Data Release Frequency: Varies

### **Local Lists of Registered Storage Tanks**

#### HIST UST: Underground Storage Tank Database

This database is no longer updated by the agency. It contains records and detail fields that the current UST database does not.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/04/2005  
Date Data Arrived at EDR: 12/20/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 22

Source: Department of Environment & Conservation  
Telephone: 615-532-0945  
Last EDR Contact: 12/08/2008  
Next Scheduled EDR Contact: 03/09/2009  
Data Release Frequency: No Update Planned

### **Local Land Records**

#### **LIENS 2: CERCLA Lien Information**

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/29/2009  
Date Data Arrived at EDR: 06/03/2009  
Date Made Active in Reports: 06/17/2009  
Number of Days to Update: 14

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 05/18/2009  
Next Scheduled EDR Contact: 08/17/2009  
Data Release Frequency: Varies

#### **LUCIS: Land Use Control Information System**

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005  
Date Data Arrived at EDR: 12/11/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 31

Source: Department of the Navy  
Telephone: 843-820-7326  
Last EDR Contact: 06/08/2009  
Next Scheduled EDR Contact: 09/07/2009  
Data Release Frequency: Varies

### **Records of Emergency Release Reports**

#### **HMIRS: Hazardous Materials Information Reporting System**

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/31/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 43

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 07/16/2009  
Next Scheduled EDR Contact: 10/12/2009  
Data Release Frequency: Annually

#### **SPILLS: State Spills**

A listing of spills locations.

Date of Government Version: 04/27/2009  
Date Data Arrived at EDR: 04/28/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 31

Source: Department of Environment & Conservation  
Telephone: 615-532-0109  
Last EDR Contact: 07/27/2009  
Next Scheduled EDR Contact: 10/26/2009  
Data Release Frequency: Varies

### **Other Ascertainable Records**

#### **RCRA-NonGen: RCRA - Non Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008  
Date Data Arrived at EDR: 11/18/2008  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 118

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 07/23/2009  
Next Scheduled EDR Contact: 10/19/2009  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008  
Date Data Arrived at EDR: 05/28/2008  
Date Made Active in Reports: 08/08/2008  
Number of Days to Update: 72

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 05/27/2009  
Next Scheduled EDR Contact: 08/24/2009  
Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 703-692-8801  
Last EDR Contact: 05/08/2009  
Next Scheduled EDR Contact: 08/03/2009  
Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 09/05/2008  
Date Made Active in Reports: 09/23/2008  
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 07/01/2009  
Next Scheduled EDR Contact: 09/28/2009  
Data Release Frequency: Varies

### CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 01/27/2009  
Date Data Arrived at EDR: 04/23/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 18

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 07/20/2009  
Next Scheduled EDR Contact: 10/19/2009  
Data Release Frequency: Varies

### ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/23/2009  
Date Data Arrived at EDR: 04/28/2009  
Date Made Active in Reports: 05/19/2009  
Number of Days to Update: 21

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 06/29/2009  
Next Scheduled EDR Contact: 09/28/2009  
Data Release Frequency: Annually

### UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 05/08/2009  
Number of Days to Update: 1

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 06/15/2009  
Next Scheduled EDR Contact: 09/14/2009  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/19/2009  
Date Data Arrived at EDR: 03/24/2009  
Date Made Active in Reports: 05/05/2009  
Number of Days to Update: 42

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 06/23/2009  
Next Scheduled EDR Contact: 09/21/2009  
Data Release Frequency: Semi-Annually

### TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 04/09/2009  
Date Made Active in Reports: 06/17/2009  
Number of Days to Update: 69

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 06/16/2009  
Next Scheduled EDR Contact: 09/14/2009  
Data Release Frequency: Annually

### TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002  
Date Data Arrived at EDR: 04/14/2006  
Date Made Active in Reports: 05/30/2006  
Number of Days to Update: 46

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 07/14/2009  
Next Scheduled EDR Contact: 10/12/2009  
Data Release Frequency: Every 4 Years

### FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 06/15/2009  
Next Scheduled EDR Contact: 09/14/2009  
Data Release Frequency: Quarterly

### FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 06/15/2009  
Next Scheduled EDR Contact: 09/14/2009  
Data Release Frequency: Quarterly

### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

### HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 03/14/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 07/14/2009  
Next Scheduled EDR Contact: 10/12/2009  
Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 03/20/2009  
Date Data Arrived at EDR: 03/20/2009  
Date Made Active in Reports: 05/05/2009  
Number of Days to Update: 46

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 07/13/2009  
Next Scheduled EDR Contact: 10/12/2009  
Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 02/26/2009  
Date Data Arrived at EDR: 05/20/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 9

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 05/04/2009  
Next Scheduled EDR Contact: 08/03/2009  
Data Release Frequency: Annually

### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/02/2009  
Date Data Arrived at EDR: 04/24/2009  
Date Made Active in Reports: 05/19/2009  
Number of Days to Update: 25

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 06/29/2009  
Next Scheduled EDR Contact: 09/28/2009  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| Date of Government Version: 04/28/2009  | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 04/29/2009    | Telephone: 202-343-9775                 |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 07/28/2009            |
| Number of Days to Update: 12            | Next Scheduled EDR Contact: 10/26/2009  |
|                                         | Data Release Frequency: Quarterly       |

### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Date of Government Version: 04/28/2009  | Source: EPA                            |
| Date Data Arrived at EDR: 05/01/2009    | Telephone: (404) 562-9900              |
| Date Made Active in Reports: 05/19/2009 | Last EDR Contact: 06/29/2009           |
| Number of Days to Update: 18            | Next Scheduled EDR Contact: 09/28/2009 |
|                                         | Data Release Frequency: Quarterly      |

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Date of Government Version: 04/17/1995  | Source: EPA                               |
| Date Data Arrived at EDR: 07/03/1995    | Telephone: 202-564-4104                   |
| Date Made Active in Reports: 08/07/1995 | Last EDR Contact: 06/02/2008              |
| Number of Days to Update: 35            | Next Scheduled EDR Contact: 09/01/2008    |
|                                         | Data Release Frequency: No Update Planned |

### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Date of Government Version: 12/31/2007  | Source: EPA/NTIS                       |
| Date Data Arrived at EDR: 02/19/2009    | Telephone: 800-424-9346                |
| Date Made Active in Reports: 05/22/2009 | Last EDR Contact: 06/08/2009           |
| Number of Days to Update: 92            | Next Scheduled EDR Contact: 09/07/2009 |
|                                         | Data Release Frequency: Biennially     |

### DRYCLEANERS: Registered Facilities List

A list of all active registered drycleaner facilities, There may be some inactive facilities included.

|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| Date of Government Version: 04/30/2009  | Source: Dept. of Environment & Conservation |
| Date Data Arrived at EDR: 05/13/2009    | Telephone: 615-532-0900                     |
| Date Made Active in Reports: 05/29/2009 | Last EDR Contact: 05/13/2009                |
| Number of Days to Update: 16            | Next Scheduled EDR Contact: 08/10/2009      |
|                                         | Data Release Frequency: Annually            |

### NPDES: Permitted Facility Listing

A listing of permitted wastewater facilities.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/2006  
Date Data Arrived at EDR: 06/08/2006  
Date Made Active in Reports: 07/26/2006  
Number of Days to Update: 48

Source: Department of Environment & Conservation  
Telephone: 615-253-2245  
Last EDR Contact: 06/15/2009  
Next Scheduled EDR Contact: 09/14/2009  
Data Release Frequency: Varies

### AIRS: Listing of Permitted Sources

A listing of permitted sources issued by the Division of Air Pollution Control.

Date of Government Version: 05/26/2009  
Date Data Arrived at EDR: 05/26/2009  
Date Made Active in Reports: 05/29/2009  
Number of Days to Update: 3

Source: Department of Environment & Conservation  
Telephone: 615-532-0545  
Last EDR Contact: 05/26/2009  
Next Scheduled EDR Contact: 08/24/2009  
Data Release Frequency: Varies

### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 05/08/2009  
Next Scheduled EDR Contact: 08/03/2009  
Data Release Frequency: Semi-Annually

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 04/13/2009  
Date Data Arrived at EDR: 04/14/2009  
Date Made Active in Reports: 06/17/2009  
Number of Days to Update: 64

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 06/22/2009  
Next Scheduled EDR Contact: 08/10/2009  
Data Release Frequency: Varies

### FEDLAND: Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administered by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 05/08/2009  
Next Scheduled EDR Contact: 08/03/2009  
Data Release Frequency: N/A

### EDR PROPRIETARY RECORDS

#### ***EDR Proprietary Records***

##### Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

#### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 12/11/2008  
Date Made Active in Reports: 03/19/2009  
Number of Days to Update: 98

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 07/21/2009  
Next Scheduled EDR Contact: 09/07/2009  
Data Release Frequency: Annually

#### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/22/2009  
Date Data Arrived at EDR: 05/27/2009  
Date Made Active in Reports: 07/01/2009  
Number of Days to Update: 35

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 05/27/2009  
Next Scheduled EDR Contact: 08/24/2009  
Data Release Frequency: Annually

#### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 09/11/2008  
Date Made Active in Reports: 10/02/2008  
Number of Days to Update: 21

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 06/08/2009  
Next Scheduled EDR Contact: 09/07/2009  
Data Release Frequency: Annually

#### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 06/01/2009  
Date Data Arrived at EDR: 06/12/2009  
Date Made Active in Reports: 06/29/2009  
Number of Days to Update: 17

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 06/15/2009  
Next Scheduled EDR Contact: 09/14/2009  
Data Release Frequency: Annually

#### VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 03/31/2009  
Date Data Arrived at EDR: 04/09/2009  
Date Made Active in Reports: 05/20/2009  
Number of Days to Update: 41

Source: Department of Environmental Conservation  
Telephone: 802-241-3443  
Last EDR Contact: 05/11/2009  
Next Scheduled EDR Contact: 08/10/2009  
Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007

Date Data Arrived at EDR: 08/22/2008

Date Made Active in Reports: 09/08/2008

Number of Days to Update: 17

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 07/06/2009

Next Scheduled EDR Contact: 10/05/2009

Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Child Care Listing

Source: Department Of Human Services

Telephone: 615-313-4778

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Tennessee Spatial Data Server

Telephone: 931-528-6481



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Tennessee Lust TDEC: In 1998 EDR reviewed technical reports, phase II reports and phase II report equivalents held by the Tennessee Department of Environment and Conservation and recorded data on leaking underground storage tanks in Davidson, Knox, and Shelby counties.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

### STREET AND ADDRESS INFORMATION

© 2009 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

FORMER TOWNSEND PRIMARY CARE CLINIC  
1151 LAUREL ROAD  
TOWNSEND, TN 37882

### **TARGET PROPERTY COORDINATES**

|                                |                          |
|--------------------------------|--------------------------|
| Latitude (North):              | 35.67560 - 35° 40' 32.2" |
| Longitude (West):              | 83.7944 - 83° 47' 39.9"  |
| Universal Transverse Mercator: | Zone 17                  |
| UTM X (Meters):                | 247081.7                 |
| UTM Y (Meters):                | 3951367.8                |
| Elevation:                     | 1030 ft. above sea level |

### **USGS TOPOGRAPHIC MAP**

|                       |                             |
|-----------------------|-----------------------------|
| Target Property Map:  | 35083-F7 KINZEL SPRINGS, TN |
| Most Recent Revision: | 1978                        |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

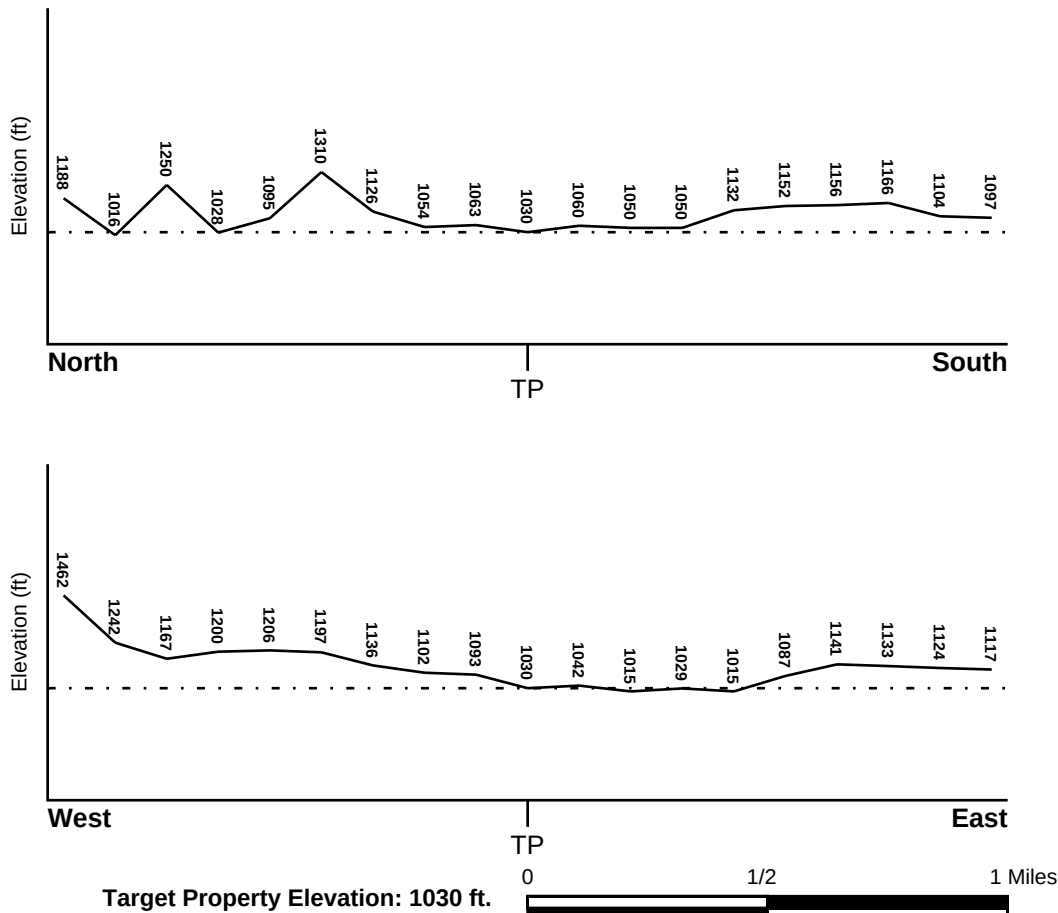
### TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

|                               |                        |
|-------------------------------|------------------------|
| <u>Target Property County</u> | <u>FEMA Flood</u>      |
| BLOUNT, TN                    | <u>Electronic Data</u> |
|                               | Not Available          |

|                                       |              |
|---------------------------------------|--------------|
| Flood Plain Panel at Target Property: | Not Reported |
|---------------------------------------|--------------|

|                                   |              |
|-----------------------------------|--------------|
| Additional Panels in search area: | Not Reported |
|-----------------------------------|--------------|

### NATIONAL WETLAND INVENTORY

|                                    |                       |
|------------------------------------|-----------------------|
| <u>NWI Quad at Target Property</u> | <u>NWI Electronic</u> |
| KINZEL SPRINGS                     | <u>Data Coverage</u>  |
|                                    | Not Available         |

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

|               |                 |                          |
|---------------|-----------------|--------------------------|
| <u>MAP ID</u> | <u>LOCATION</u> | <u>GENERAL DIRECTION</u> |
| Not Reported  | <u>FROM TP</u>  | <u>GROUNDWATER FLOW</u>  |

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### ROCK STRATIGRAPHIC UNIT

|         |                                           |
|---------|-------------------------------------------|
| Era:    | Paleozoic                                 |
| System: | Ordovician                                |
| Series: | Ordovician                                |
| Code:   | O (decoded above as Era, System & Series) |

#### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: SEQUATCHIE

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information |           |           |                    |                                                                                         |                                                                                                                                                      |                           |                        |
|------------------------|-----------|-----------|--------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|
| Layer                  | Boundary  |           | Soil Texture Class | Classification                                                                          |                                                                                                                                                      | Permeability Rate (in/hr) | Soil Reaction (pH)     |
|                        | Upper     | Lower     |                    | AASHTO Group                                                                            | Unified Soil                                                                                                                                         |                           |                        |
| 1                      | 0 inches  | 12 inches | loam               | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.                                                                              | Max: 2.00<br>Min: 0.60    | Max: 5.50<br>Min: 4.50 |
| 2                      | 12 inches | 46 inches | clay loam          | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.                   | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 2.00<br>Min: 0.60    | Max: 5.50<br>Min: 4.50 |
| 3                      | 46 inches | 72 inches | sandy loam         | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.                                                                              | Max: 6.00<br>Min: 0.60    | Max: 5.50<br>Min: 4.50 |

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam

Surficial Soil Types: silt loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: clay loam  
gravelly - loam  
cobbly - loam  
silt loam

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### WELL SEARCH DISTANCE INFORMATION

| <u>DATABASE</u>  | <u>SEARCH DISTANCE (miles)</u> |
|------------------|--------------------------------|
| Federal USGS     | 1.000                          |
| Federal FRDS PWS | Nearest PWS within 1 mile      |
| State Database   | 1.000                          |

### **FEDERAL USGS WELL INFORMATION**

| <u>MAP ID</u>  | <u>WELL ID</u> | <u>LOCATION<br/>FROM TP</u> |
|----------------|----------------|-----------------------------|
| No Wells Found |                |                             |

### **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

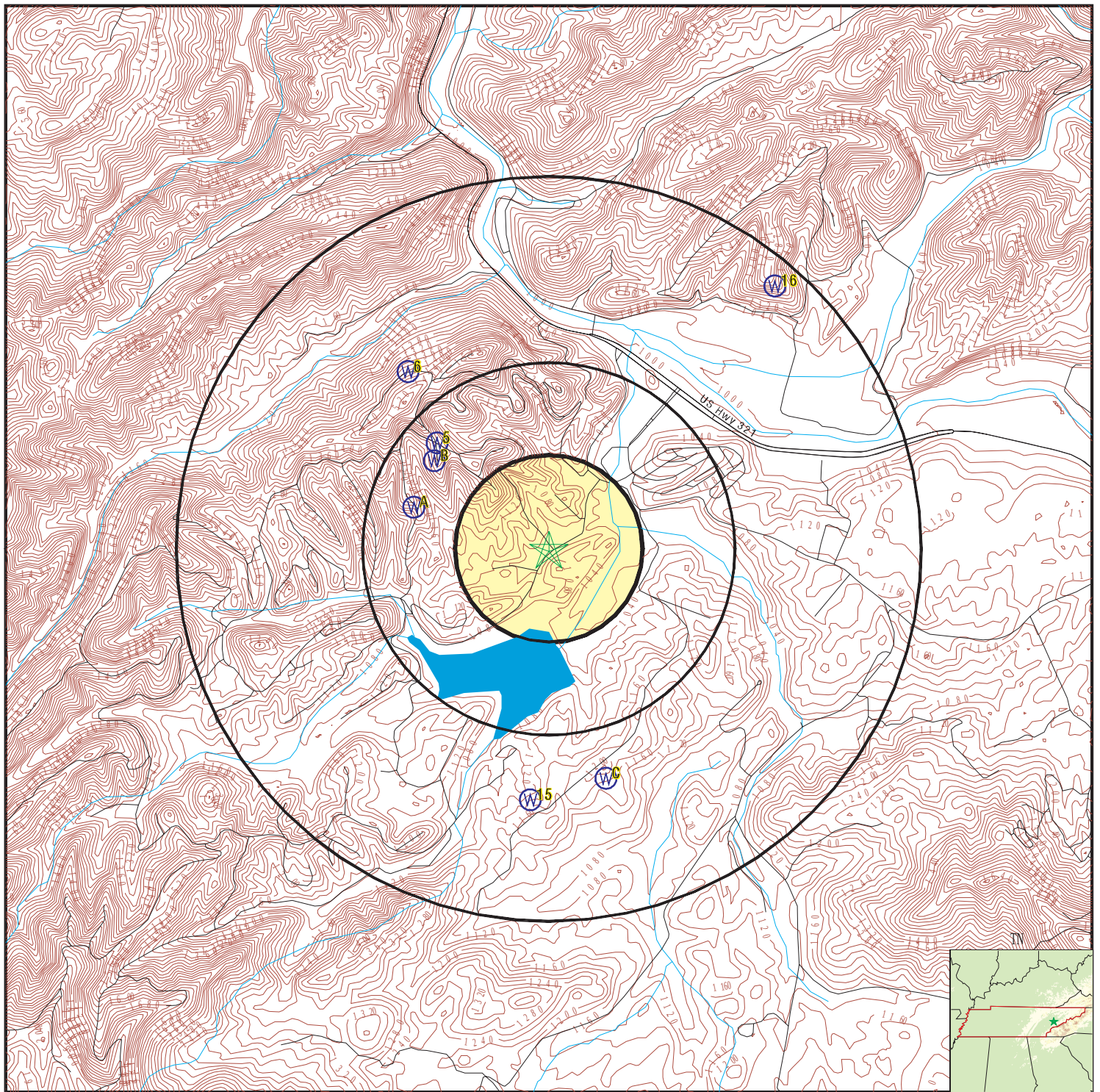
| <u>MAP ID</u>       | <u>WELL ID</u> | <u>LOCATION<br/>FROM TP</u> |
|---------------------|----------------|-----------------------------|
| No PWS System Found |                |                             |

Note: PWS System location is not always the same as well location.

### **STATE DATABASE WELL INFORMATION**

| <u>MAP ID</u> | <u>WELL ID</u>  | <u>LOCATION<br/>FROM TP</u> |
|---------------|-----------------|-----------------------------|
| A1            | TN3000000056614 | 1/4 - 1/2 Mile WNW          |
| B2            | TN300000005019  | 1/4 - 1/2 Mile WNW          |
| A3            | TN300000003860  | 1/4 - 1/2 Mile WNW          |
| B4            | TN300000005063  | 1/4 - 1/2 Mile NW           |
| 5             | TN300000003857  | 1/4 - 1/2 Mile NW           |
| 6             | TN300000004768  | 1/2 - 1 Mile NW             |
| C7            | TN300000003251  | 1/2 - 1 Mile SSE            |
| C8            | TN300000003253  | 1/2 - 1 Mile SSE            |
| C9            | TN300000003425  | 1/2 - 1 Mile SSE            |
| C10           | TN300000003171  | 1/2 - 1 Mile SSE            |
| C11           | TN300000002899  | 1/2 - 1 Mile SSE            |
| C12           | TN300000002884  | 1/2 - 1 Mile SSE            |
| C13           | TN300000003168  | 1/2 - 1 Mile SSE            |
| C14           | TN300000003164  | 1/2 - 1 Mile SSE            |
| 15            | TN300000003548  | 1/2 - 1 Mile South          |
| 16            | TN300000004479  | 1/2 - 1 Mile NE             |

# PHYSICAL SETTING SOURCE MAP - 2554139.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: Former Townsend Primary Care Clinic  
 ADDRESS: 1151 Laurel Road  
 Townsend TN 37882  
 LAT/LONG: 35.6756 / 83.7944

CLIENT: S&ME  
 CONTACT: Tim Schalk  
 INQUIRY #: 2554139.2s  
 DATE: July 30, 2009 3:15 pm



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**A1**  
**WNW**  
**1/4 - 1/2 Mile**  
**Higher**

**TN WELLS TN3000000056614**

|             |                     |             |                         |
|-------------|---------------------|-------------|-------------------------|
| County nam: | SEVIER              | Well numbr: | 20004970                |
| Owner name: | WALLACE, RICHARD    | Addr line1: | LOT # 44 TOLLIVER TRAIL |
| License co: | 609                 |             |                         |
| Cmpltn dat: | 10/28/2000 00:00:00 | Latitude:   | 354037                  |
| Cmpltn tot: | 610                 |             |                         |
| Cmpltn est: | 3.5                 |             |                         |
| Quad numbr: | 0148NE5             | Driller ta: | D0048100                |
| Longitude:  | 834802              | Accuracy:   | F                       |
| Casing fee: | 102                 |             |                         |
| Wbz:        | 420                 |             |                         |
| Descriptio: | Residential         | Site id:    | TN3000000056614         |

**B2**  
**WNW**  
**1/4 - 1/2 Mile**  
**Higher**

**TN WELLS TN300000005019**

|             |                   |             |                      |
|-------------|-------------------|-------------|----------------------|
| County nam: | BLOUNT            | Well numbr: | 99003435             |
| Owner name: | FRANKS, REID      | Addr line1: | 107 BIG JOHN COVE RD |
| License co: | 609               |             |                      |
| Cmpltn dat: | 6/4/1999 00:00:00 | Latitude:   | 354043               |
| Cmpltn tot: | 1110              |             |                      |
| Cmpltn est: | 1                 |             |                      |
| Quad numbr: | 0148NE5           | Driller ta: | D0039013             |
| Longitude:  | 834800            | Accuracy:   | F                    |
| Casing fee: | 105               |             |                      |
| Wbz:        | 900               |             |                      |
| Descriptio: | Residential       | Site id:    | TN300000005019       |

**A3**  
**WNW**  
**1/4 - 1/2 Mile**  
**Higher**

**TN WELLS TN3000000003860**

|             |                    |             |                 |
|-------------|--------------------|-------------|-----------------|
| County nam: | BLOUNT             | Well numbr: | 20043279        |
| Owner name: | ENOS, TOMMY        | Addr line1: | TOLLIVER ROAD   |
| License co: | 609                |             |                 |
| Cmpltn dat: | 9/24/2004 00:00:00 | Latitude:   | 354039          |
| Cmpltn tot: | 1005               |             |                 |
| Cmpltn est: | .12                |             |                 |
| Quad numbr: | 0148NE5            | Driller ta: | D0068203        |
| Longitude:  | 834804             | Accuracy:   | Not Reported    |
| Casing fee: | 103                |             |                 |
| Wbz:        | 600                |             |                 |
| Descriptio: | Residential        | Site id:    | TN3000000003860 |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**B4**  
**NW**  
**1/4 - 1/2 Mile**  
**Higher**

**TN WELLS TN3000000005063**

|             |                    |             |                 |
|-------------|--------------------|-------------|-----------------|
| County nam: | BLOUNT             | Well numbr: | 99006171        |
| Owner name: | FIELDER, DAVE      | Addr line1: | BIG JOHN RD     |
| License co: | 622                |             |                 |
| Cmpltn dat: | 11/8/1999 00:00:00 | Latitude:   | 354046          |
| Cmpltn tot: | 925                |             |                 |
| Cmpltn est: | 2                  |             |                 |
| Quad numbr: | 0148NE5            | Driller ta: | D0041737        |
| Longitude:  | 834759             | Accuracy:   | F               |
| Casing fee: | 83                 |             |                 |
| Wbz:        | 690                |             |                 |
| Descriptio: | Residential        | Site id:    | TN3000000005063 |

**5**  
**NW**  
**1/4 - 1/2 Mile**  
**Higher**

**TN WELLS TN3000000003857**

|             |                   |             |                   |
|-------------|-------------------|-------------|-------------------|
| County nam: | BLOUNT            | Well numbr: | 20043092          |
| Owner name: | WYLIE, STEVE      | Addr line1: | 104 BIG JOHN COVE |
| License co: | 609               |             |                   |
| Cmpltn dat: | 9/6/2004 00:00:00 | Latitude:   | 354047            |
| Cmpltn tot: | 1005              |             |                   |
| Cmpltn est: | .33               |             |                   |
| Quad numbr: | 0148NE5           | Driller ta: | D0068199          |
| Longitude:  | 834759            | Accuracy:   | Not Reported      |
| Casing fee: | 62                |             |                   |
| Wbz:        | 500               |             |                   |
| Descriptio: | Residential       | Site id:    | TN3000000003857   |

**6**  
**NW**  
**1/2 - 1 Mile**  
**Higher**

**TN WELLS TN3000000004768**

|             |                    |             |                 |
|-------------|--------------------|-------------|-----------------|
| County nam: | BLOUNT             | Well numbr: | 96005256        |
| Owner name: | CASE, NOEL         | Addr line1: | CHRISTY LANE    |
| License co: | 609                |             |                 |
| Cmpltn dat: | 11/4/1996 00:00:00 | Latitude:   | 354057          |
| Cmpltn tot: | 810                |             |                 |
| Cmpltn est: | 0                  |             |                 |
| Quad numbr: | 0148NE5            | Driller ta: | D0020597        |
| Longitude:  | 834804             | Accuracy:   | S               |
| Casing fee: | 147                |             |                 |
| Wbz:        | 240                |             |                 |
| Descriptio: | Residential        | Site id:    | TN3000000004768 |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**C7**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**TN WELLS TN3000000003251**

|             |                     |             |                 |
|-------------|---------------------|-------------|-----------------|
| County nam: | BLOUNT              | Well numbr: | 00901599        |
| Owner name: | PATTERSON, PHIL     | Addr line1: | UNITIA          |
| License co: | 383                 |             |                 |
| Cmpltn dat: | 11/12/1987 00:00:00 | Latitude:   | 354000          |
| Cmpltn tot: | 700                 |             |                 |
| Cmpltn est: | 4                   |             |                 |
| Quad numbr: | 0148NE5             | Driller ta: | Not Reported    |
| Longitude:  | 834730              | Accuracy:   | Not Reported    |
| Casing fee: | 165                 |             |                 |
| Wbz:        | 200                 |             |                 |
| Descriptio: | Residential         | Site id:    | TN3000000003251 |

**C8**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**TN WELLS TN3000000003253**

|             |                    |             |                 |
|-------------|--------------------|-------------|-----------------|
| County nam: | BLOUNT             | Well numbr: | 00901601        |
| Owner name: | HERRON, MARK       | Addr line1: | WEST MILLERS CO |
| License co: | 383                |             |                 |
| Cmpltn dat: | 1/28/1988 00:00:00 | Latitude:   | 354000          |
| Cmpltn tot: | 160                |             |                 |
| Cmpltn est: | 20                 |             |                 |
| Quad numbr: | 0148NE5            | Driller ta: | Not Reported    |
| Longitude:  | 834730             | Accuracy:   | Not Reported    |
| Casing fee: | 105                |             |                 |
| Wbz:        | 120                |             |                 |
| Descriptio: | Residential        | Site id:    | TN3000000003253 |

**C9**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**TN WELLS TN3000000003425**

|             |                    |             |                 |
|-------------|--------------------|-------------|-----------------|
| County nam: | BLOUNT             | Well numbr: | 00901774        |
| Owner name: | GARLAND, FRED      | Addr line1: | WEST MILLERS CO |
| License co: | 383                |             |                 |
| Cmpltn dat: | 7/19/1989 00:00:00 | Latitude:   | 354000          |
| Cmpltn tot: | 400                |             |                 |
| Cmpltn est: | 70                 |             |                 |
| Quad numbr: | 0148NE5            | Driller ta: | Not Reported    |
| Longitude:  | 834730             | Accuracy:   | Not Reported    |
| Casing fee: | 79                 |             |                 |
| Wbz:        | 400                |             |                 |
| Descriptio: | Residential        | Site id:    | TN3000000003425 |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**C10**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**TN WELLS TN3000000003171**

|             |                      |             |                 |
|-------------|----------------------|-------------|-----------------|
| County nam: | BLOUNT               | Well numbr: | 00901518        |
| Owner name: | LEDBETTER, WILLIAM E | Addr line1: | WEST MILLERS CO |
| License co: | 383                  |             |                 |
| Cmpltn dat: | 9/10/1986 00:00:00   | Latitude:   | 354000          |
| Cmpltn tot: | 430                  |             |                 |
| Cmpltn est: | 4                    |             |                 |
| Quad numbr: | 0148NE5              | Driller ta: | Not Reported    |
| Longitude:  | 834730               | Accuracy:   | Not Reported    |
| Casing fee: | 57                   |             |                 |
| Wbz:        | 110                  |             |                 |
| Descriptio: | Residential          | Site id:    | TN3000000003171 |

**C11**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**TN WELLS TN3000000002899**

|             |                    |             |                 |
|-------------|--------------------|-------------|-----------------|
| County nam: | BLOUNT             | Well numbr: | 00901246        |
| Owner name: | CALLOWAY MD, JAMES | Addr line1: | WEST MILLERS CV |
| License co: | 383                |             |                 |
| Cmpltn dat: | 6/28/1984 00:00:00 | Latitude:   | 354000          |
| Cmpltn tot: | 151                |             |                 |
| Cmpltn est: | 15                 |             |                 |
| Quad numbr: | 0148NE5            | Driller ta: | Not Reported    |
| Longitude:  | 834730             | Accuracy:   | Not Reported    |
| Casing fee: | 151                |             |                 |
| Wbz:        | 0                  |             |                 |
| Descriptio: | Residential        | Site id:    | TN3000000002899 |

**C12**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**TN WELLS TN3000000002884**

|             |                    |             |                 |
|-------------|--------------------|-------------|-----------------|
| County nam: | BLOUNT             | Well numbr: | 00901231        |
| Owner name: | SMITH, LARRY       | Addr line1: | WALLAND HWY     |
| License co: | 383                |             |                 |
| Cmpltn dat: | 6/23/1983 00:00:00 | Latitude:   | 354000          |
| Cmpltn tot: | 105                |             |                 |
| Cmpltn est: | 15                 |             |                 |
| Quad numbr: | 0148NE5            | Driller ta: | Not Reported    |
| Longitude:  | 834730             | Accuracy:   | Not Reported    |
| Casing fee: | 45                 |             |                 |
| Wbz:        | 80                 |             |                 |
| Descriptio: | Residential        | Site id:    | TN3000000002884 |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**C13**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**TN WELLS TN3000000003168**

|             |                      |             |                 |
|-------------|----------------------|-------------|-----------------|
| County nam: | BLOUNT               | Well numbr: | 00901515        |
| Owner name: | LEDBETTER, WILLIAM E | Addr line1: | WEST MILLERS CO |
| License co: | 383                  |             |                 |
| Cmpltn dat: | 9/17/1986 00:00:00   | Latitude:   | 354000          |
| Cmpltn tot: | 165                  |             |                 |
| Cmpltn est: | 12                   |             |                 |
| Quad numbr: | 0148NE5              | Driller ta: | Not Reported    |
| Longitude:  | 834730               | Accuracy:   | Not Reported    |
| Casing fee: | 21                   |             |                 |
| Wbz:        | 45                   |             |                 |
| Descriptio: | Residential          | Site id:    | TN3000000003168 |

**C14**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**TN WELLS TN3000000003164**

|             |                    |             |                 |
|-------------|--------------------|-------------|-----------------|
| County nam: | BLOUNT             | Well numbr: | 00901511        |
| Owner name: | HEADRICK, STAN     | Addr line1: | WEST MILLER CAV |
| License co: | 383                |             |                 |
| Cmpltn dat: | 8/15/1986 00:00:00 | Latitude:   | 354000          |
| Cmpltn tot: | 220                |             |                 |
| Cmpltn est: | 15                 |             |                 |
| Quad numbr: | 0148NE5            | Driller ta: | Not Reported    |
| Longitude:  | 834730             | Accuracy:   | Not Reported    |
| Casing fee: | 114                |             |                 |
| Wbz:        | 200                |             |                 |
| Descriptio: | Residential        | Site id:    | TN3000000003164 |

**15**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**TN WELLS TN3000000003548**

|             |                    |             |                 |
|-------------|--------------------|-------------|-----------------|
| County nam: | BLOUNT             | Well numbr: | 20004307        |
| Owner name: | MCCAMPBELL, DONALD | Addr line1: | LAWSON RD       |
| License co: | 609                |             |                 |
| Cmpltn dat: | 8/25/2000 00:00:00 | Latitude:   | 353957          |
| Cmpltn tot: | 470                |             |                 |
| Cmpltn est: | 6                  |             |                 |
| Quad numbr: | 0148NE8            | Driller ta: | D0048045        |
| Longitude:  | 834743             | Accuracy:   | F               |
| Casing fee: | 104                |             |                 |
| Wbz:        | 130                |             |                 |
| Descriptio: | Residential        | Site id:    | TN3000000003548 |

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database

EDR ID Number

**16**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**TN WELLS**

**TN3000000004479**

County nam: BLOUNT  
Owner name: FERGUSON  
License co: 385  
Cmpltn dat: 9/1/1994 00:00:00  
Cmpltn tot: 1120  
Cmpltn est: 1  
Quad numbr: 0148NE6  
Longitude: 834701  
Casing fee: 83  
Wbz: 410  
Descriptio: Residential

Well numbr: 94004025  
Addr line1: BRADLEY MTN RET  
Latitude: 354109  
Driller ta: D0007934  
Accuracy: S  
Site id: TN3000000004479

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

## RADON

### AREA RADON INFORMATION

State Database: TN Radon

#### Radon Test Results

| County | Total Sites | Avg | Max  | <4 pCi/L | 4-10 pCi/L | 10-20 pCi/L | 20-50 pCi/L | 50-100 pCi/L | >100 pCi/L |
|--------|-------------|-----|------|----------|------------|-------------|-------------|--------------|------------|
| BLOUNT | 40          | 5.2 | 27.4 | 19       | 17         | 3           | 1           | 0            | 0          |

Federal EPA Radon Zone for BLOUNT County: 1

Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.

#### Federal Area Radon Information for BLOUNT COUNTY, TN

Number of sites tested: 22

| Area                    | Average Activity | % <4 pCi/L   | % 4-20 pCi/L | % >20 pCi/L  |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 2.465 pCi/L      | 88%          | 12%          | 0%           |
| Living Area - 2nd Floor | Not Reported     | Not Reported | Not Reported | Not Reported |
| Basement                | 5.482 pCi/L      | 68%          | 23%          | 9%           |

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Tennessee Spatial Data Server

Telephone: 931-528-6481

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.



# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### County Water Wells in Tennessee

Source: Department of Environment and Conservation

Telephone: 615-532-0160

Water well locations in the following counties - Anderson, Blount, Bradley, Coffee, Cumberland, Davidson, Dickson, Hamilton, Hamblen, Jefferson, Knox, Loudon, Montgomery, Maury, Madison, Putman, Robertson, Rutherford, Shelby, Sevier, Sumner, Sullivan, Washington, Wilson, Williamson.

## OTHER STATE DATABASE INFORMATION

### RADON

#### State Database: TN Radon

Source: Department of Environment & Conservation

Telephone: 615-299-9725

Radon Test Results

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

© 2009 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

## **APPENDIX III**

### HISTORICAL DOCUMENTS



**Former Townsend Primary Care Clinic**

1151 Laurel Road

Townsend, TN 37882

Inquiry Number: 2554139.5

July 31, 2009

## The EDR Aerial Photo Decade Package

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

**When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.**

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

## **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2009 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

**Date EDR Searched Historical Sources:**

Aerial Photography July 31, 2009

**Target Property:**

1151 Laurel Road

Townsend, TN 37882

| <u><b>Year</b></u> | <u><b>Scale</b></u>                | <u><b>Details</b></u>                           | <u><b>Source</b></u> |
|--------------------|------------------------------------|-------------------------------------------------|----------------------|
| 1975               | Aerial Photograph. Scale: 1"=1000' | Panel #: 2435083-F7/Flight Date: April 01, 1975 | EDR                  |
| 1982               | Aerial Photograph. Scale: 1"=1000' | Panel #: 2435083-F7/Flight Date: June 02, 1982  | EDR                  |
| 1988               | Aerial Photograph. Scale: 1"=1000' | Panel #: 2435083-F7/Flight Date: May 29, 1988   | EDR                  |
| 1997               | Aerial Photograph. Scale: 1"=750'  | Panel #: 2435083-F7/Flight Date: March 07, 1997 | EDR                  |
| 2006               | Aerial Photograph. 1" = 604'       | Flight Year: 2006                               | EDR                  |



**INQUIRY #:** 2554139.5

**YEAR:** 1975

| = 1000'







INQUIRY #: 2554139.5

YEAR: 1982

| = 1000'





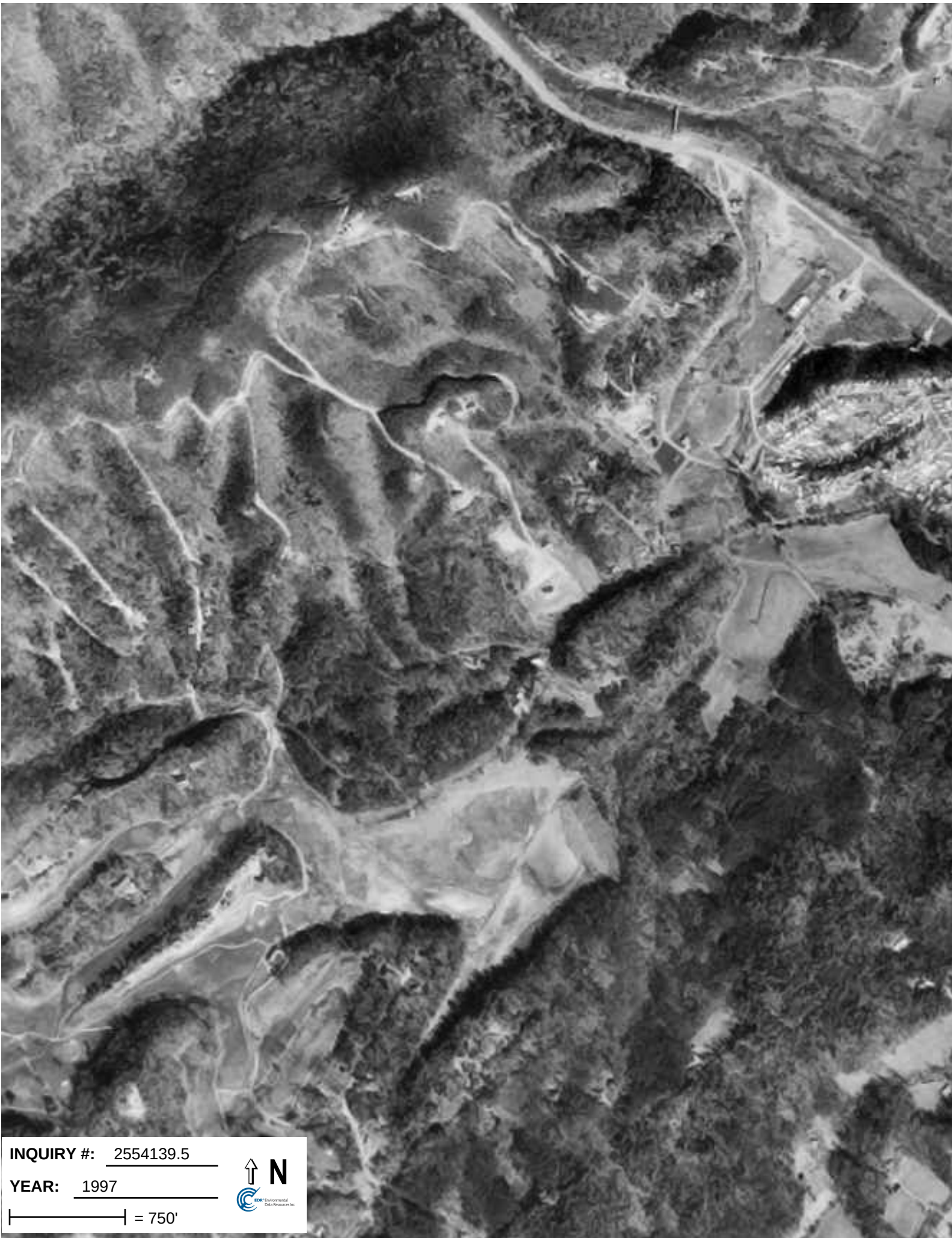


**INQUIRY #:** 2554139.5

**YEAR:** 1988

| = 1000'





INQUIRY #: 2554139.5

YEAR: 1997

| = 750'







INQUIRY #: 2554139.5

YEAR: 2006

| = 604'





**Former Townsend Primary Care Clinic**

1151 Laurel Road  
Townsend, TN 37882

Inquiry Number: 2554139.6  
July 31, 2009

## The EDR-City Directory Abstract



Environmental Data Resources Inc

440 Wheelers Farms Road  
Milford, CT 06461  
800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2008 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## 2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

**City Directory Report.** Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.
2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.
3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

**Options for Selecting Adjoining Properties.** Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.
2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.
3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.
4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit [www.edrnet.com/2009enhancements](http://www.edrnet.com/2009enhancements)

## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

| <u>Year</u> | <u>Source</u>           | <u>TP</u> | <u>Adjoining</u> | <u>Text Abstract</u> | <u>Source Image</u> |
|-------------|-------------------------|-----------|------------------|----------------------|---------------------|
| 2008        | Polk's City Directory   | X         | X                | X                    | -                   |
| 2001        | Polk's City Directory   | X         | X                | X                    | -                   |
| 1992        | City Publishing Company | -         | X                | X                    | -                   |

## FINDINGS

### TARGET PROPERTY INFORMATION

#### ADDRESS

1151 Laurel Road  
Townsend, TN 37882

#### FINDINGS DETAIL

Target Property research detail.

| <u>Year</u> | <u>Uses</u>                  | <u>Source</u>         |
|-------------|------------------------------|-----------------------|
| 2008        | No current listing           | Polk's City Directory |
| 2001        | Blount Memorial Hospital     | Polk's City Directory |
|             | Townsend Medical Clinic      | Polk's City Directory |
|             | Townsend Primary Care Clinic | Polk's City Directory |



## FINDINGS

### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

#### Laurel Road

##### Laurel Road

| <u>Year</u> | <u>Uses</u>                   | <u>Source</u>           |
|-------------|-------------------------------|-------------------------|
| 2008        | No addresses listed past 1151 | Polk's City Directory   |
| 2001        | No addresses listed past 1151 | Polk's City Directory   |
| 1992        | No addresses listed past 856  | City Publishing Company |

##### 1112 Laurel Road

| <u>Year</u> | <u>Uses</u> | <u>Source</u>         |
|-------------|-------------|-----------------------|
| 2008        | Residential | Polk's City Directory |

##### 1116 Laurel Road

| <u>Year</u> | <u>Uses</u> | <u>Source</u>         |
|-------------|-------------|-----------------------|
| 2008        | Residential | Polk's City Directory |

##### 1141 Laurel Road

| <u>Year</u> | <u>Uses</u> | <u>Source</u>         |
|-------------|-------------|-----------------------|
| 2008        | Residential | Polk's City Directory |

##### 1148 Laurel Road

| <u>Year</u> | <u>Uses</u>                  | <u>Source</u>         |
|-------------|------------------------------|-----------------------|
| 2001        | Laurel Valley Baptist Church | Polk's City Directory |

## FINDINGS

### TARGET PROPERTY: ADDRESS NOT LISTED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not listed in the research source.

#### Address Researched

1151 Laurel Road

#### Address Not Listed in Research Source

1992

### ADJOINING PROPERTY: ADDRESSES NOT LISTED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not listed in research source.

#### Address Researched

1112 Laurel Road

1116 Laurel Road

1141 Laurel Road

1148 Laurel Road

#### Address Not Listed in Research Source

2001, 1992

2001, 1992

2001, 1992

1992



**Former Townsend Primary Care Clinic**

1151 Laurel Road

Townsend, TN 37882

Inquiry Number: 2554139.3

July 30, 2009

## Certified Sanborn® Map Report

## Certified Sanborn® Map Report

7/30/09

**Site Name:**

Former Townsend Primary  
1151 Laurel Road  
Townsend, TN 37882

**Client Name:**

S&ME  
1413 Topside Road  
Louisville, TN 37777

EDR Inquiry # 2554139.3

Contact: Tim Schalk



Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by S&ME were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

### Certified Sanborn Results:

**Site Name:** Former Townsend Primary Care Clinic  
**Address:** 1151 Laurel Road  
**City, State, Zip:** Townsend, TN 37882  
**Cross Street:**  
**P.O. #** 3409433  
**Project:** 1434-09-246  
**Certification #** CA11-4AB6-BD9A



Sanborn® Library search results  
Certification # CA11-4AB6-BD9A

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

### Limited Permission To Make Copies

S&ME (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

#### Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2009 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



**Former Townsend Primary Care Clinic**

1151 Laurel Road

Townsend, TN 37882

Inquiry Number: 2554139.4

July 31, 2009

## The EDR Historical Topographic Map Report

# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

## Disclaimer - Copyright and Trademark Notice

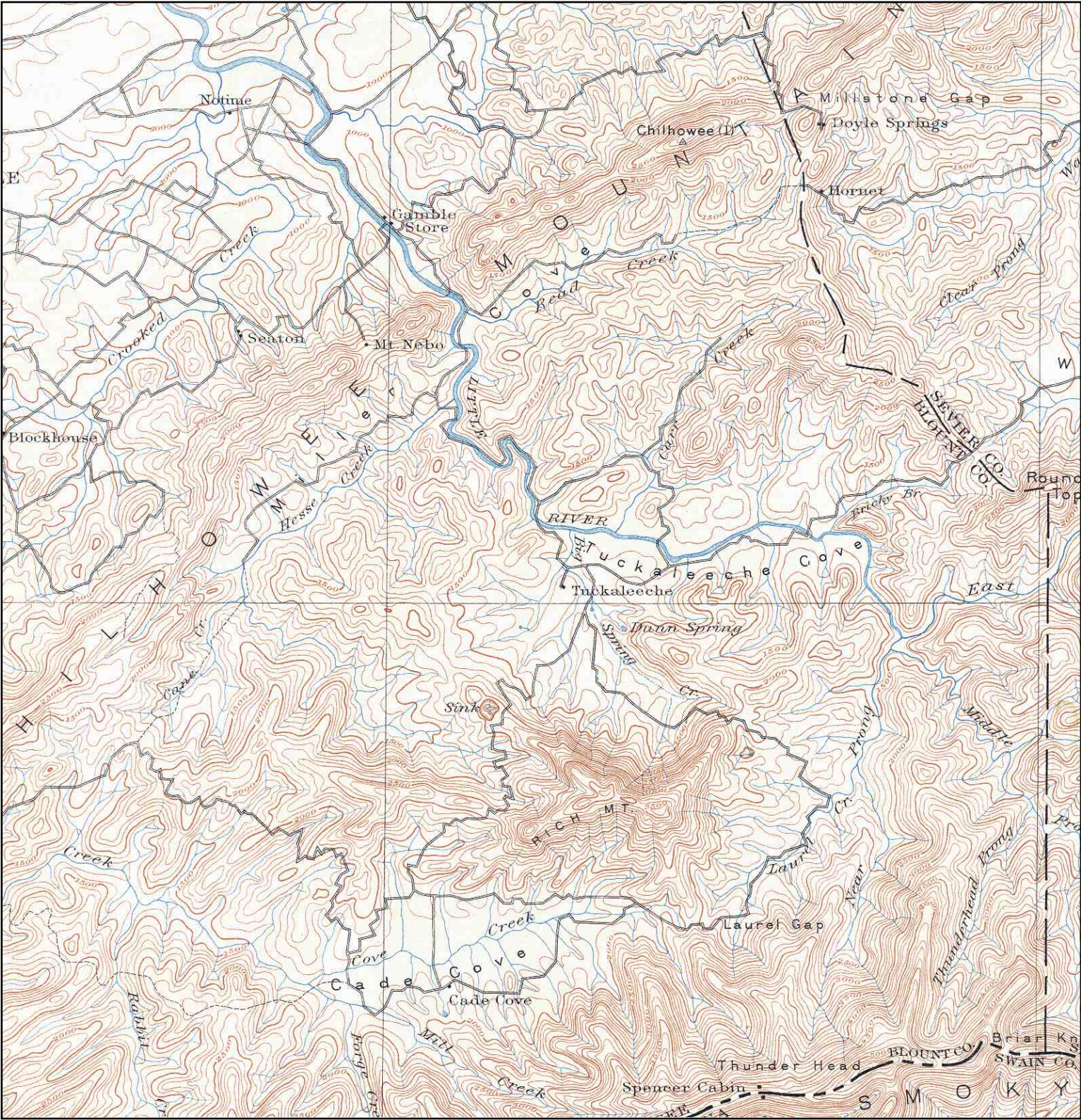
This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2009 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



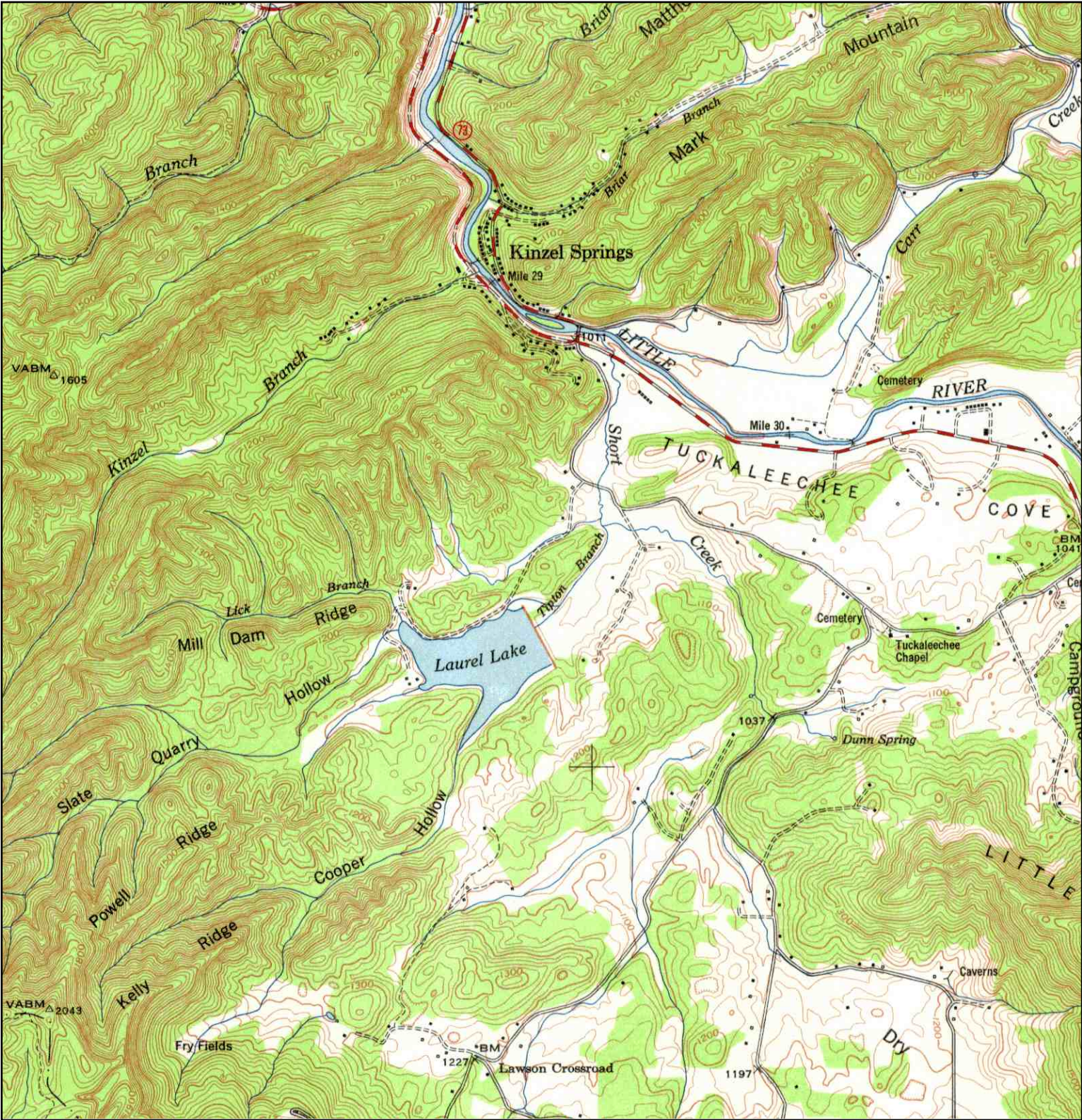
Historical Topographic Map



|                           |                 |            |                     |                |            |
|---------------------------|-----------------|------------|---------------------|----------------|------------|
| <div>N</div> <div>↑</div> | TARGET QUAD     | SITE NAME: | Former Townsend     | CLIENT:        | S&ME       |
|                           | NAME: KNOXVILLE |            | Primary Care Clinic | CONTACT:       | Tim Schalk |
|                           | MAP YEAR: 1901  | ADDRESS:   | 1151 Laurel Road    | INQUIRY#:      | 2554139.4  |
|                           | SERIES: 30      | LAT/LONG:  | Townsend, TN 37882  | RESEARCH DATE: | 07/31/2009 |
|                           | SCALE: 1:125000 |            |                     |                |            |



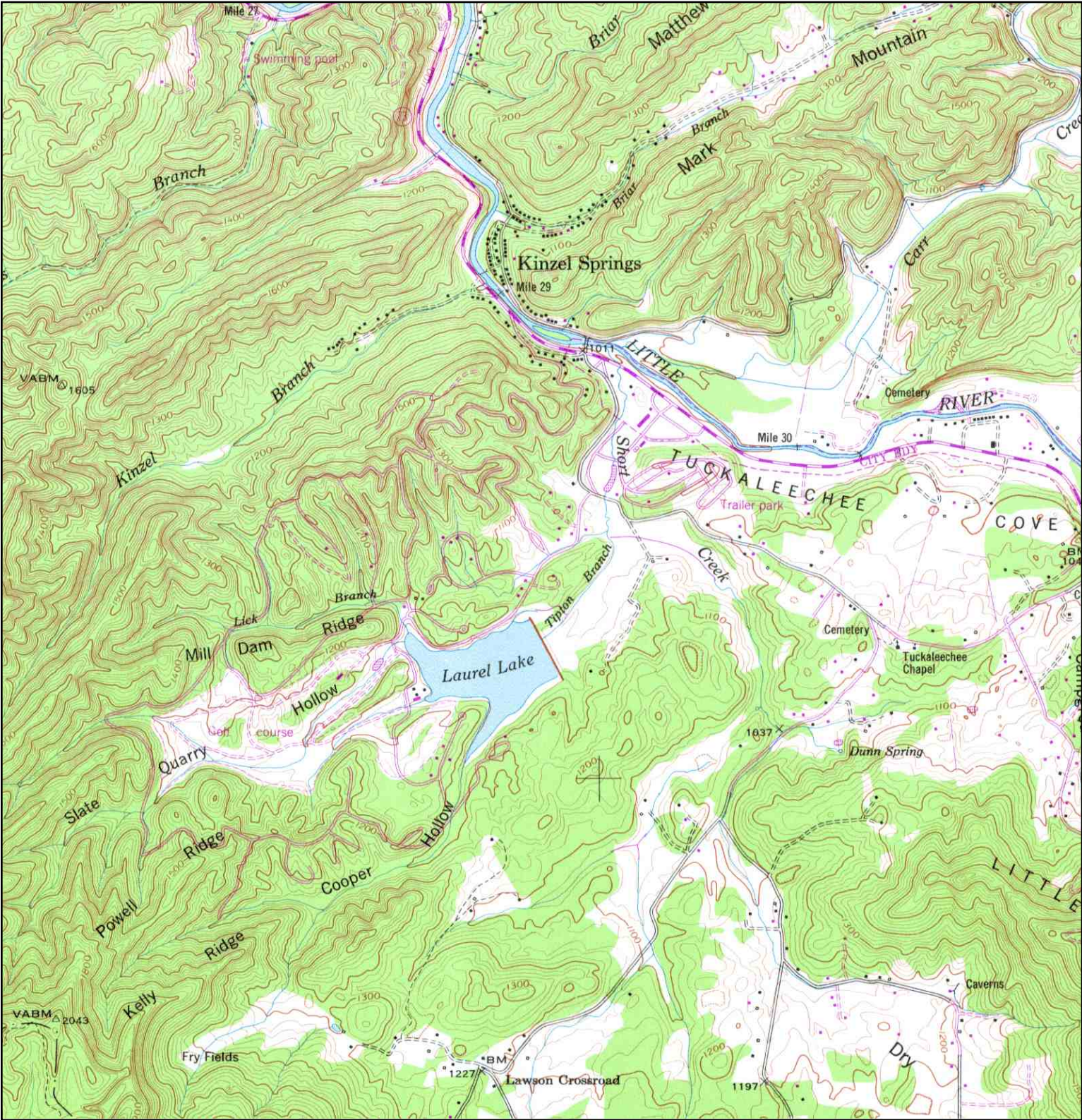
Historical Topographic Map



|                           |                      |            |                     |                |            |
|---------------------------|----------------------|------------|---------------------|----------------|------------|
| <div>N</div> <div>↑</div> | TARGET QUAD          | SITE NAME: | Former Townsend     | CLIENT:        | S&ME       |
|                           | NAME: KINZEL SPRINGS |            | Primary Care Clinic | CONTACT:       | Tim Schalk |
|                           | MAP YEAR: 1953       | ADDRESS:   | 1151 Laurel Road    | INQUIRY#:      | 2554139.4  |
|                           | SERIES: 7.5          |            | Townsend, TN 37882  | RESEARCH DATE: | 07/31/2009 |
|                           | SCALE: 1:24000       | LAT/LONG:  | 35.6756 / 83.7944   |                |            |



Historical Topographic Map



|                           |                        |            |                     |                |            |
|---------------------------|------------------------|------------|---------------------|----------------|------------|
| <div>N</div> <div>↑</div> | TARGET QUAD            | SITE NAME: | Former Townsend     | CLIENT:        | S&ME       |
|                           | NAME: KINZEL SPRINGS   |            | Primary Care Clinic | CONTACT:       | Tim Schalk |
|                           | MAP YEAR: 1978         | ADDRESS:   | 1151 Laurel Road    | INQUIRY#:      | 2554139.4  |
|                           | PHOTOREVISED FROM:1953 |            | Townsend, TN 37882  | RESEARCH DATE: | 07/31/2009 |
|                           | SERIES: 7.5            | LAT/LONG:  | 35.6756 / 83.7944   |                |            |
|                           | SCALE: 1:24000         |            |                     |                |            |



## **APPENDIX IV**

### OWNERSHIP RECORDS

WARRANTY DEED RESEARCH  
Sevier County Property Assessor's Office  
Date: 01/05/09

| Grantee                            | Grantor                            | Date     | Book No. | Page No. |
|------------------------------------|------------------------------------|----------|----------|----------|
| Harold King Revocable Living Trust | Harold King                        | 11/10/05 | 2088     | 113      |
| Harold King                        | Townsend Medical Clinic, Inc.      | 6/30/99  | 628      | 655      |
| Townsend Medical Clinic, Inc.      | Townsend Primary Care Clinic, PLLC | 7/31/96  | 589      | 263      |
| Townsend Primary Care Clinic, PLLC | John McElligott                    | 4/5/95   | 576      | 226      |
| John McElligott                    | Regal Real Estate Company          | 6/30/94  | 564      | 245      |
| Regal Real Estate Company          | Arthur Goddard, County Trustee     | 11/22/88 | 502      | 150      |

Warranty Deed Book 502 Page 150 lists numerous tracts which is beyond the scope of this assessment and not practically reviewable.

## **APPENDIX V**

### INTERVIEWS

**S&ME, INC.**  
Record of Conversation

X Telephone

Meeting

Other

Project No.: 1434-09-246

Conversation with: Susan King

Date: 08/07//09

Title: Property Owner

Phone No.: 323-8081

Company:

From: Tim Schalk

Subject: Past Uses of the property

**SUMMARY OF CONVERSATION**

As far as I know, the property has only been developed as a medical facility. Prior to the current development, the property was vacant wooded land. I am not aware of any USTs or other environmental concerns in connection with the subject property.

## **APPENDIX VI**

### S&ME, INC. PROPOSAL AND AGREEMENT FOR SERVICES



July 27, 2009

Furrow Auction Company  
1022 Elm Street  
Knoxville, Tennessee 37921

Attention: Mr. Rob Strickland

Reference: **Proposal for Phase I Environmental Site Assessments**  
Auto Express Car Wash  
220 South Hall Road, Alcoa, TN  
and  
Former Townsend Primary Care Clinic  
1151 Laurel Road, Townsend, Tennessee  
S&ME Proposal No. 3409386

Dear Mr. Strickland;

S&ME, Inc. (S&ME) appreciates the opportunity to submit this proposal to perform Phase I Environmental Site Assessments (ESAs) for the above-referenced properties. This letter outlines our understanding of the project and our approach to the assessment, and presents a schedule and proposed fee for these services. Our Agreement for Services (AS-071) is attached and is incorporated as part of this proposal.

#### **PROPERTY DESCRIPTION**

Information that we have concerning the subject property was provided by yourself to Mr. Eric Solt of S&ME via a telephone conversation on July 27, 2009. The subject properties consist of two separate parcels: the Auto Express Car Wash parcel located at 220 South Hall Road in Alcoa, Tennessee and the former Townsend Primary Care Clinic located at 1151 Laurel Road in Townsend, Tennessee. The Alcoa property is identified as Parcel 026.01, Map 047P, Group A.

#### **SCOPE OF SERVICES**

The most widely utilized standard for performing Phase I assessments is the standard developed by the American Society for Testing and Materials (ASTM) entitled E 1527-05, *Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process*. An assessment performed in accordance with this standard satisfies requirements for *All Appropriate Inquiries (AAI)* as presented in 40 CFR Part 312, and thus, fulfills one requirement for the User to qualify for certain *Landowner Liability Protections (LLPs)*. We propose to use ASTM E 1527-05 for the proposed project. If another procedure must be used, such as specified by a lender, please provide us a copy of that procedure prior to authorizing us to proceed. Use of an alternate procedure may require a change to the fee and schedule quoted in this proposal.



We understand that the proposed Phase I ESAs are being performed in connection with planned real estate transactions involving the subject properties. Accordingly, the purpose of the assessment is to identify *recognized environmental conditions* (as defined by ASTM) in connection with the property.

S&ME's approach to performing a Phase I Environmental Site Assessment (ESA) under the ASTM E 1527-05 Standard Practice includes a review of the public record, interviews, a site reconnaissance and preparation of a written report containing findings, opinions and conclusions.

#### **Task I – Review of the Public Record**

A review of public records for the site and the immediate vicinity will be conducted to characterize environmental features of the site and to identify past and present land use activities, on or in the vicinity of the site, which may indicate a potential for *recognized environmental conditions*. The review of the public record will include:

1. Review of federal, state and tribal standard environmental record sources as well as selected local records in accordance with the minimum search distances specified in ASTM E 1527-05. The search of most records will be performed by a firm specializing in this service subcontracted to S&ME with results presented in a written report that will be appended to S&ME's Phase I ESA report.
2. Examination of one or more of the following historical sources: aerial photographs, fire insurance maps, property tax records, street directories, USGS 7.5 minute topographic maps, building department records, and zoning/land use records of the site and vicinity for evidence suggesting past uses that might have involved hazardous substances or petroleum products.

#### **Task II – Site Reconnaissance**

A site reconnaissance will be performed to identify visual signs of environmental conditions on or adjoining the site, and to evaluate evidence found in the review of public record that might be indicative of activities resulting in hazardous substances or petroleum products being used or deposited on the site. The site reconnaissance will include the following activities:

1. A visual reconnaissance of the site and adjoining properties will be performed to observe signs of spills, stressed vegetation, buried waste, underground or above ground storage tanks, subsidence, transformers, or unusual soil discoloration which may indicate the possible presence of hazardous substances (as per CERCLA) or petroleum products.
2. The periphery of the property will be viewed and a walk-through of accessible areas of the site interior, including any on-site buildings, will be conducted.

3. Areas of the site will be photographed to document the current use(s) of the property as well as significant conditions such as unusually discolored soil, stressed vegetation, or other significant features associated with the property.

### **Task III– Interviews**

Interviews with appropriate local officials will be conducted to consider any local knowledge of hazardous substances or petroleum products on the subject property or on adjacent properties. In addition, current property owner(s), operators and occupants will be interviewed regarding the potential for contamination at the subject property to the extent they have been identified by the client. Interviews with past owners, operators and occupants may be necessary, particularly if the current owner has held title for less than two years, or if past owner interviews are necessary to fill data gaps.

### **Task IV – Written Report**

Upon completion of the public record review, interviews and site reconnaissance, S&ME will prepare a written report documenting findings, opinions and conclusions. The report will reflect our evaluation for use by the client in completing the planned property transaction. The conclusions will be presented in terms of the presence or absence of *recognized environmental conditions* as defined in ASTM Standard Practice E 1527-05. Unless otherwise directed, we will produce three print copies of the report as well as one electronic copy in PDF format. Separate reports will be issued for each facility.

### **EXCLUDED SERVICES**

Unless specifically authorized as an addition to the Phase I ESA scope of services, the assessment will not address environmental conditions not specifically included in the ASTM E 1527-05 standard including, but not limited to sampling of materials (i.e., soil, surface water, groundwater or air), or the assessment of business risk issues such as asbestos, lead-based paint, wetlands; lead in drinking water; mold, fungi or bacteria in on-site buildings; regulatory compliance; cultural/historic resources; industrial hygiene; health/safety; ecological resources; endangered species; indoor air quality, including vapor intrusion; radon; or high voltage power lines.

### **ADDITIONAL SERVICES**

We understand that X-ray equipment may remain in the former Townsend Primary Care Clinic facility. You have requested that S&ME assist in determining whether a radioactive source material remains at the site and, if so, aid in determining proper handling and re-use or disposal options for the equipment. Please note that the findings associated with the proposed additional services will be provided under separate cover from the Phase I ESA.

### **LIMITATIONS**

As indicated in ASTM E 1527-05, the practice is intended to constitute *all appropriate inquiries* to permit the User to satisfy one requirement to qualify for *Landowner Liability Protections* including the innocent landowner, contiguous property owner or bona fide prospective purchaser limitations on CERCLA liability in an approach that is both commercially prudent and reasonable. As such, the ASTM standard practice seeks to

reduce, but not eliminate, uncertainty regarding the potential for *recognized environmental conditions* in connection with the property. Further, *appropriate inquiry* does not imply an exhaustive assessment of real property, but instead calls for the environmental professional to identify a balance between competing demands of limited cost and time and the reduction of uncertainty about unknown conditions. A conclusion of "no evidence of recognized environmental conditions" should not be interpreted as a guarantee or warranty that the property is "clean" or free of all contaminants. Environmental conditions may exist on the property that may not be identified through the scope of ASTM E 1527.

## **CLIENT RESPONSIBILITIES**

The Scope of Services, fee and project schedule presented herein are contingent upon the client fulfilling the following responsibilities:

1. Provide a signed Agreement for Services (attached Form AS-071).
2. Provide the name and contact information for past and present property owner(s), operators and occupants to enable us to conduct the interviews specified in ASTM E 1527-05.
3. Provide access to the properties, including any on-site buildings.
4. Complete and return the attached User Questionnaires as specified in ASTM E 1527-05 including a review of recorded land title and judicial records for environmental liens or activity and use limitations.
5. Provide copies of all existing environmental reports or testing results relating to conditions at the subject properties that may be available to the client (see attached User-Furnished Information checklist).
6. Identify the addressees of the Phase I ESA report such as a lender, if applicable.

## **SCHEDULE**

According to your schedule requirements, the Phase I ESA scope of work outlined above will be completed before August 22, 2009. Our schedule and fee are contingent upon your completion of those items listed under User Responsibilities in this proposal.

Please note that our ability to complete the services involved in the review of the public record within the project schedule often depends on the availability of certain maps and records that we may want to review or personnel whom we would want to interview. If we were to experience difficulties in this regard, we would inform you at the earliest possible time and obtain your concurrence on extending the evaluation time period, or terminating that aspect of the evaluation with a discussion of the ramifications of producing the report without the benefit of that information. ASTM Standard Practice E 1527-05 states that information is *reasonably ascertainable* if it can be provided for

review within 20 days of the request. If information which we request to review is not made available within a 10-day period, we would consult with you on whether to extend our scheduled completion date or to complete the project without the benefit of that information (either option will satisfy ASTM Standard Practice E 1527-05 requirements).

## **FEE**

S&ME is prepared to complete the Phase I ESA services outlined above for a lump sum fee of \$5,100 [\$2,300 for the Alcoa site, \$2,800 for the Townsend site (includes additional services)] . Any subsequent services or project deliverables, such as additional report copies, requested by you will be invoiced on a time-and-expense basis. This quotation is valid for a period of 90 days.

## **USE OF PROPOSAL/REPORT**

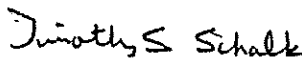
This proposal is solely intended for the services as described in the Scope of Services. The Scope of Services may not be modified or amended, unless the changes are first agreed to by the client and S&ME. Use of this proposal and resulting documents, including final report, will be limited to the referenced project and client. No other use is authorized by S&ME.

## **AUTHORIZATION**

Agreement for Services, Form AS-071, is attached and incorporated as part of this proposal. Please sign the form and return it to S&ME. Upon receipt of the signed agreement, a countersigned copy will be returned to you, and we will proceed with the performance of our services. Any changes or modifications to AS-071 or the proposal are required to be acknowledged by both parties initialing acceptance of this proposal and agreement for services next to the change or modification. If you elect to accept our proposal by issuing a purchase order, then please specifically reference this proposal number in the purchase order as authorization to proceed with the performance of our services. However, the terms and conditions included in any purchase order shall not apply and are hereby specifically rejected, as our agreement is for services which are not compatible with purchase order agreements. If this proposal is transmitted to you via email, and if you chose to accept this proposal by email, your reply email acceptance will serve as your representation to S&ME that you have reviewed the proposal and the associated Agreement for Services (AS-071) and hereby accept both as written.

S&ME appreciates the opportunity to be of service to you. If you have any questions regarding the outlined scope of work, or if we may be of any further assistance, please call.

Sincerely,  
S&ME, Inc.

  
Timothy S. Schalk *by JDS*  
Staff Scientist

  
Eric M. Solt, P.G.  
Environmental Services Manager

Enclosures: Agreement for Services (Form AS-071)  
User Questionnaires  
User-Furnished Information

## PHASE I ENVIRONMENTAL SITE ASSESSMENT

### User Questionnaire

SITE: 220 South Hall Road, Alcoa, TN S&ME Proposal No:3409386

In order to qualify for *Landowner Liability Protections (LLPs)*, ASTM E 1527-05 specifies that the ESA User must provide the following information, if available, to the Environmental Professional. Failure to provide this information could make the ESA incomplete and the User unable to qualify for *LLPs*.

1. Are you aware of any environmental clean-up liens against the property that are filed or recorded under federal, tribal, state or local laws?
2. Are you aware of any Activity and Use Limitations (AUL's) such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, state or local laws?
3. As the User of this ESA, do you have any specialized knowledge or experience related to the subject property or nearby properties?
4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If not, is the lower purchase price attributable to known or suspected contamination?
5. Are you aware of information about the property that would be helpful in identifying conditions indicative of contaminant releases, such as: a) past use of the property; b) presence of specific chemicals (past or present); c) spills or chemical releases at the property; or d) environmental cleanups that have taken place at the property?
6. As the User of this Phase I ESA and based on your knowledge and experience of the property, are there any obvious indicators that point to the presence or likely presence of contamination on the property?

In addition, certain other information should be provided, although not necessarily to qualify for *LLPs*, including: contact information for past and current property owners, operators and occupants; the reason for performing this ESA; and documentation showing the property address, location and boundaries.

\_\_\_\_\_ Signature \_\_\_\_\_ Date



## PHASE I ENVIRONMENTAL SITE ASSESSMENT

### User-Furnished Information

**SITE:** 220 South Hall Road, Alcoa TN S&ME Proposal No:3409386

The following is a list of documents and information that could be useful to S&ME, Inc. in preparing your Phase I Environmental Site Assessment (ESA). Please check the appropriate boxes below, sign, and fax or mail this form along with the signed Agreement for Services and completed User Questionnaire. This form will be attached to, and made a part of, your completed Phase I ESA.

| Yes                      | No                       |                                                                                                                                                                              |
|--------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Environmental site assessment reports                                                                                                                                     |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Environmental audit reports                                                                                                                                               |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Environmental permits (i.e. solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits)                                            |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Registrations for underground and above-ground storage tanks                                                                                                              |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Material safety data sheets (MSDS)                                                                                                                                        |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Community right-to-know plan                                                                                                                                              |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Safety plans; preparedness and prevention plans; spill prevention, counter-measure and control plans, etc.                                                                |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Reports regarding hydrologic conditions on the property or surrounding area                                                                                               |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. Reports of any past or current environmental remediation on-site or on adjoining properties                                                                               |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Notices or other correspondence from any government agency relating to past or existing environmental liens encumbering the property                                     |
| <input type="checkbox"/> | <input type="checkbox"/> | 11. Hazardous waste generator notices or reports                                                                                                                             |
| <input type="checkbox"/> | <input type="checkbox"/> | 12. Geotechnical studies                                                                                                                                                     |
| <input type="checkbox"/> | <input type="checkbox"/> | 13. Report of earthwork or land filling activities on-site                                                                                                                   |
| <input type="checkbox"/> | <input type="checkbox"/> | 14. Information concerning any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products                  |
| <input type="checkbox"/> | <input type="checkbox"/> | 15. Notices from any governmental entity regarding any possible violation of petroleum environmental laws or possible liability relating to hazardous substances or products |
| <input type="checkbox"/> | <input type="checkbox"/> | 16. Disclosure of sumps, pits, drainage systems (i.e. the existence of and location)                                                                                         |
| <input type="checkbox"/> | <input type="checkbox"/> | 17. Building plans (architectural, utility, structural)                                                                                                                      |
| <input type="checkbox"/> | <input type="checkbox"/> | 18. Description of current site operations, including layout drawings or sketches                                                                                            |
| <input type="checkbox"/> | <input type="checkbox"/> | 19. Title report/chain-of-title                                                                                                                                              |
| <input type="checkbox"/> | <input type="checkbox"/> | 20. Tax assessor records (previous owner and occupants)                                                                                                                      |
| <input type="checkbox"/> | <input type="checkbox"/> | 21. Purchase price analysis (if lower than comparables)                                                                                                                      |
| <input type="checkbox"/> | <input type="checkbox"/> | 22. Current and historical photographs of the site                                                                                                                           |
| <input type="checkbox"/> | <input type="checkbox"/> | 23. Current and historical topographic maps of the site                                                                                                                      |

I have reviewed the above list and checked the "Yes" box for those items that would be available to S&ME for review and/or copy.

Signature

Date



|                                                                                                                                                                      |                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Date: July 27, 2009                                                                                                                                                  | Job Number:                                                                |
| S&ME, Inc.<br>(hereafter Consultant)                                                                                                                                 | Client Name: Furrow Auction Company<br>(hereafter Client)                  |
| Address: 1413 Topside Road<br>City: Louisville<br>State: Tennessee Zip: 37777                                                                                        | Address: 1022 Elm Street<br>City: Knoxville<br>State: Tennessee Zip: 37921 |
| Telephone: (865) 970-0003<br>Fax: (865) 970-2312                                                                                                                     | Telephone:<br>Fax:                                                         |
| <b>PROJECT</b>                                                                                                                                                       |                                                                            |
| Project Name: Proposal for Phase I Environmental Site Assessments                                                                                                    |                                                                            |
| Project location: (Street Address) Auto Express Car Wash - 220 South Hall Rd, Alcoa, TN<br>Former Townsend Primary Care - 1151 Laurel Ave., Townsend, TN             |                                                                            |
| City: Alcoa / Townsend State: Tennessee Zip:                                                                                                                         |                                                                            |
| <b>SERVICES TO BE RENDERED</b>                                                                                                                                       |                                                                            |
| Proposal Number: 3409386 dated: 07/27/2009 Is incorporated into this Agreement For Services.<br>This Agreement For Services is incorporated into the above Proposal. |                                                                            |

Client desires to contract with Consultant for the Services to be Rendered (Services) on Client's Project, as contained in Consultant's Proposal. The Proposal and Client's Project are referenced immediately above.

THEREFORE, in consideration of the Mutual Covenants and Promises included herein, Client and Consultant agree as follows:

- 1. ACCEPTANCE:** Client hereby accepts this offer by Consultant to provide the Services as contained in Consultant's Proposal and agrees that such Services and any additional Services authorized by Client shall be governed by the terms of this Agreement. If Client directs that Services commence prior to execution of this Agreement, Client agrees that commencement of Services by Consultant is in reliance on Client having accepted the terms of this Agreement and acknowledgment that Client will execute this Agreement, forthwith. Client may accept this Agreement for Services through the use of Client's Purchase Order, however all preprinted terms and conditions on Client's purchase order are inapplicable and the terms of this Agreement shall govern. Unless this offer is previously accepted, it will be withdrawn automatically at 5:00 pm EST, ninety (90) days from the date of issue.
- 2. CONTRACT DOCUMENTS:** "Contract Documents" shall mean this Agreement for Services, the Proposal identified under "SERVICES TO BE RENDERED," and any modifications, extensions, and additions to the "Services to be Rendered" that Consultant has performed or may perform for Client.
- 3. PAYMENT:** Client will pay Consultant for Services and expenses in accordance with the Contract Documents. If prices for Services are not specified in the Contract Documents, Consultant's current fee schedule in effect for the location providing the Services shall control. Consultant will submit progress invoices to Client monthly and a final invoice upon completion of Services. Payment is due upon receipt of the invoice unless otherwise agreed to in writing prior to the submittal of the invoice. Invoices are past due 30 calendar days after the date of the invoice. Past due amounts are subject to a late fee of one and one-half percent per month (18 percent per annum) or the highest amount allowed by applicable law on the outstanding balance, whichever is less. Attorney's fees and other costs incurred in collecting past due amounts shall be paid by Client. The Client's obligation to pay under this Agreement is in no way dependent upon the Client's ability to obtain financing, payment from third parties, approval of governmental or regulatory agencies, or Client's successful completion of the Project.

Consultant shall be paid in full for all Services rendered under this Agreement, including any additional Services authorized by Client. However, if Client objects to all or any portion of any invoice, Client shall so notify Consultant in writing of the objection within fifteen (15) days from date of invoice, give reasons for the objection, and pay that portion of the invoice not subject to Client's objection. Client and Consultant will informally discuss Client's objections to the invoice and attempt to reach a resolution mutually acceptable to Client and Consultant. If Client or Consultant determine that an informal resolution is not possible, then that party shall so state in writing to the other party and initiate a

final resolution pursuant to the Dispute Resolution provisions of this Agreement for Services. If the Client does not object in writing to all or a portion of the invoice within fifteen (15) calendar days from date of invoice, then the full amount of the invoice is due and payable and all objections are waived.

Without incurring any liability to the Client, Consultant may either suspend or terminate this Agreement if Client fails to pay any undisputed invoice amounts within 60 calendar days of the invoice date, or if Client states its intention not to pay forthcoming invoices. Such suspension or termination will not waive any other claim Consultant may have against Client. Following such suspension or termination, Consultant may resume work by mutual agreement with Client after payment by Client of all outstanding invoiced amounts and collection expenses. Client waives all claims for damages or delay as a result of such suspension or termination.

Any invoices that remain unpaid thirty (30) calendar days after Client's receipt of letter from Consultant demanding payment of the invoices or notification of a collection action by an attorney or collection agency shall constitute a release of Consultant by Client from any and all claims whatsoever, including, but not limited to, tort or contractual claims which Client may have against Consultant for Services performed under said invoice(s).

4. **STANDARD OF CARE AND WARRANTY DISCLAIMER:** Consultant and its agents, employees and subcontractors shall endeavor to perform the Services for Client with that degree of care and skill ordinarily exercised, under similar circumstances, by consultants practicing in the same discipline at the same time and location. In the event any portion of the Services fails to substantially comply with this standard of care obligation and Consultant is promptly notified in writing prior to one year after completion of such portion of the Services, Consultant will re-perform such portion of the Services, or if re-performance is impractical, Consultant will refund the amount of compensation paid to Consultant for such portion of the Services. **THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE AND NO WARRANTY OR GUARANTEE, EITHER EXPRESS OR IMPLIED IS MADE OR INTENDED BY THIS AGREEMENT or by any report, opinion, or other instrument of Service provided pursuant to this Agreement.**
5. **LIMITATION OF REMEDIES: CONSULTANT'S AGGREGATE LIABILITY RESPONSIBILITY TO CLIENT, INCLUDING THAT OF OUR OFFICERS, DIRECTORS, EMPLOYEES AND AGENTS, IS LIMITED TO \$50,000 OR THE AMOUNT OF CONSULTANT'S TOTAL FEE UNDER THIS AGREEMENT, WHICHEVER IS GREATER, HEREINAFTER REFERRED TO AS LIMITATION OF REMEDY. THIS LIMITATION OF REMEDY APPLIES TO ALL LAWSUITS, CLAIMS OR ACTIONS, WHETHER IDENTIFIED AS ARISING IN TORT, CONTRACT, INCLUDING NEGLIGENCE (WHETHER SOLE OR CONCURRENT), PROFESSIONAL ERROR OR OMISSIONS, BREACH OF WARRANTY (EXPRESS OR IMPLIED), NEGLIGENCE MISREPRESENTATION, AND STRICT LIABILITY, OR OTHER LEGAL THEORY, INCLUDING WITHOUT LIMITATION, CONSULTANT'S INDEMNITY OBLIGATIONS TO CLIENT RELATED TO THE SERVICES PROVIDED IN THIS AGREEMENT AND ANY CONTINUATION OR EXTENSION OF OUR SERVICES.**

**IF CLIENT DESIRES A HIGHER LIMITATION OF REMEDY, CONSULTANT MAY AGREE, AT CLIENT'S REQUEST, TO INCREASE THE LIMITATION OF REMEDY TO A GREATER SUM IN EXCHANGE FOR A NEGOTIATED INCREASE IN FEE. ANY ADDITIONAL CHARGE FOR A HIGHER LIMITATION OF REMEDY IS CONSIDERATION FOR THE GREATER RISK ASSUMED BY CONSULTANT AND IS NOT A CHARGE FOR ADDITIONAL PROFESSIONAL LIABILITY INSURANCE. ANY AGREEMENT TO INCREASE THE LIMITATION OF REMEDY MUST BE MADE IN WRITING AND SIGNED BY BOTH PARTIES IN ADVANCE OF THE PROVISION OF SERVICES UNDER THIS AGREEMENT.**

**BY ENTERING INTO THIS AGREEMENT, CLIENT ACKNOWLEDGES THAT THIS LIMITATION OF REMEDIES PROVISION HAS BEEN REVIEWED, UNDERSTOOD AND IS A MATERIAL PART OF THIS AGREEMENT, AND THAT CLIENT HAS HAD AN OPPORTUNITY TO SEEK LEGAL ADVICE REGARDING THIS PROVISION.**

6. **DISCLAIMER OF CONSEQUENTIAL DAMAGES:** In no event shall Consultant or Client be liable to the other for any special, indirect, incidental or consequential loss or damages, including, but not limited to, lost profits, damages for delay, or loss of use arising from or related to Services provided by Consultant.
7. **REPORTS:** In connection with the performance of the Services, Consultant shall deliver to Client one or more reports or other written documents reflecting Services provided and the results of such Services. All reports and written documents delivered to Client are instruments reflecting the Services provided by Consultant pursuant to this Agreement and are made available for Client's use subject to the limitations of this Agreement. Instruments of Service provided by Consultant to Client pursuant to this Agreement are provided for the exclusive use of Client, and Client's agents and employees for the Project and are not to be used or relied upon by third parties or in connection with other projects. Subject to the authorized use of Client, and Client's agents, and employees, all instruments of Service, other written documents, all original data gathered by Consultant and work papers produced by Consultant in the performance of or intrinsic to the Services included in the Services are, and shall remain, the sole and exclusive property of Consultant.

Documents that may be relied upon by Client are limited to the printed copies (also known as hardcopies) that are signed or sealed by Consultant. Files in electronic media format of text, data, graphics, or of other types that are furnished by Consultant to Client are only for the convenience of Consultant and Client. Any reliance on information obtained or derived from such electronic files will be at the Client's or other user's sole risk. Data stored in electronic format can deteriorate or be modified inadvertently or otherwise. Consultant shall not be responsible to maintain documents stored in electronic media. When transferring documents in electronic media format, Consultant makes no representations as to long-term compatibility, usability, or readability of such media format.

Consultant shall not be responsible for any alterations, modifications, or additions made in the electronic data by the Client or any reuse of the electronic data by the Client or any other party for this Project or any other project without Consultant's written consent.

Client shall indemnify, and hold Consultant harmless against any claims, damages or losses arising out the reuse of the electronic data without Consultant's consent or arising out of alterations, modifications, or additions to the electronic data made by anyone other than Consultant.

Any Instruments of Service, including reports, generated as part of this Agreement are intended solely for use by Client and shall not be provided to any other person or entity without Consultant's written authorization. To the fullest extent permitted by law, Client shall indemnify and hold harmless Consultant from and against any action or claim brought by any person or entity claiming to rely on the information or opinions contained in the Instrument of Service without Consultant's written authorization.

8. **SAFETY:** Consultant will maintain a safety program for its employees. Consultant specifically disclaims any authority or responsibility for general job safety and for the safety of persons who are not employed by Consultant. Should Client, or third parties, be conducting activities on the Site, then each shall have responsibility for their own safety and compliance with applicable safety requirements.

**Field Personnel:** The presence of Consultant's field personnel, either full-time or part-time, may be for the purpose of providing project administration, assessment, observation or field testing of specific aspects of the Project as authorized by Client. Should Client retain the Services of a Contractor(s) for the Project, Consultant is not responsible in any way whatsoever for the supervision or direction of the work of the Contractor(s), its employees or agents. The presence of Consultant's field personnel for project administration, assessment, observation or testing shall not relieve the Contractor(s) of his responsibility for performing work in accordance with the project plans and specifications.

If a Contractor (not a subcontractor of Consultant) is involved in the Project, Client agrees, in accordance with generally accepted construction practices, that the Contractor will be solely responsible for working conditions on the jobsite, including safety of all persons and property during performance of the work, and compliance with OSHA regulations. These requirements will apply continuously and will not be limited to normal working hours. It is agreed that Consultant does not have the duty or right to stop the work of the Contractor.

9. **SAMPLES:** Unless otherwise requested, test specimens or samples will be disposed of immediately upon completion of tests and analysis. Upon written request, Consultant will retain samples for an agreed to duration and for a mutually acceptable storage charge. In the event that samples contain or may contain hazardous materials, Consultant shall, after completion of testing and at Client's expense, return such samples to Client or make samples available for disposal by Client's agent. Client recognizes and agrees that Consultant is acting as a bailee and at no time assumes title to said samples.
10. **INVENTIONS:** Any and all inventions or discoveries relating to the Services, including improvements and modifications to existing products or processes made or conceived by Consultant or its employees during the term of this Agreement are and shall remain the sole and exclusive property of Consultant.
11. **REPRESENTATIONS OF CLIENT:** Client warrants and covenants that sufficient funds are available or will be available upon receipt of Consultant's invoice to make payment in full for the Services rendered by Consultant. Client warrants that all information provided to Consultant regarding the Project and Project location are complete and accurate to the best of Client's knowledge.
12. **CLIENT OBLIGATIONS:** Client agrees to furnish Consultant, its agents, employees, and subcontractors a right-of-entry and any authorizations needed for Consultant to enter onto the project site to perform the Services included in this Agreement. Consultant will take reasonable precautions to minimize damage to the Project Site from Consultant's activities and from the use of equipment. Client recognizes that the performance of the Services included in this Agreement may cause alteration or damage to the Site. Client acknowledges that some site disturbance is inherent in the work for which Consultant will not be responsible. Should Client not be owner of the property, then Client agrees to notify the owner of the aforementioned possibility of unavoidable alteration and damage and to indemnify, and hold harmless Consultant against any claims and claims related costs including attorney's fees by the owner or persons having possession of the site through the owner which are related to such alteration or damage.
13. **UTILITIES:** Client agrees to disclose the identity of all utilities serving the Project Site and the presence and accurate location of hidden or obscured man-made objects known to Client that may be in Consultant's work area. Client agrees to indemnify and hold harmless Consultant from all claims, suits, losses, personal injuries, death, and property liability including costs and attorney's fees resulting from damage or injury to utilities or subterranean structures (pipes, tanks, etc.) arising from the performance of Consultant's Services when the existence of such are not called to Consultant's attention or the location not correctly identified in information furnished Consultant.
14. **CERTIFICATIONS:** Client agrees not to require that Consultant execute any certification with regard to work performed, tested or observed under this Agreement unless: 1) Consultant believes that it has performed sufficient work to provide a sufficient basis to issue the certification; 2) Consultant believes that the work performed, tested or observed meets the criteria of the certification; and 3) Consultant has reviewed and approved in writing the exact form of such certification prior to execution of this Agreement. Any certification by Consultant is limited to an expression of professional opinion based upon the Services performed by the Consultant, and does not constitute a warranty or guarantee, either expressed or implied.
15. **FAILURE TO FOLLOW RECOMMENDATIONS:** The Client agrees that it would be unfair to hold the Consultant liable for problems that may occur if the Consultant's recommendations are not followed. Accordingly, the Client waives any claim against the Consultant, and agrees to indemnify, and hold harmless the Consultant from any claim or liability for injury or loss that results from failure to implement the Consultant's recommendations or from implementation of the Consultant's recommendations in a manner that is not in strict accordance with them.

16. **SCOPE OF SERVICES AND EXCLUDED SERVICES:** Consultant's engagement under this Agreement includes only those Services specified in the Scope of Services. Client agrees it will not seek to hold Consultant responsible and expressly waives any claim against Consultant for not performing additional services that Client instructed Consultant not to perform, not performing additional services that were not specifically requested by Client and agreed to by both parties, and not performing recommended additional services that Client has not authorized Consultant to perform.
17. **TERMINATION:**  
For Convenience - Upon written notice, Client or Consultant may terminate the performance of any further Services included in this Agreement if the terminating party determines termination is in the terminating party's interest. Upon receipt of a termination notice by either party, Consultant shall stop work on all Services included in this Agreement and deliver any Instruments of Service complete at that time to Client and Client shall pay Consultant within thirty (30) days for all Services performed up to the dispatch or receipt of the termination notice. Upon Termination for Convenience, Consultant and Client shall have no further rights or remedies other than those included in this paragraph.
- For Cause - In the event of material breach of this Agreement, the party not breaching the Agreement may terminate it upon ten (10) days written notice delivered or mailed to the other party, which notice must identify the material breach. The Agreement may not be terminated for cause if the breaching party cures the breach within ten (10) days of receipt of the written notice. Upon Termination for Cause, Consultant shall stop work on all Services included in this Agreement and deliver any Instruments of service complete at that time to Client and Client shall pay Consultant within thirty (30) days for all Services performed up to the termination. Upon Termination for Cause, Consultant and Client shall have no further rights or remedies other than those included in this paragraph.
18. **UNFORESEEN CONDITIONS OR OCCURRENCES:** If, during the performance of Services, any unforeseen hazardous substance, material, element or constituent or other unforeseen conditions or occurrences are encountered which, in Consultant's judgment, significantly affects or may affect the Services, the risk involved in providing the Services, or the recommended Scope of Services, Consultant will promptly notify Client. Subsequent to that notification, Consultant may: (a) If practicable, in Consultant's judgment and with approval of Client, complete the original Scope of Services in accordance with the procedures originally intended in the Proposal; (b) Agree with Client to modify the Scope of Services and the estimate of charges to include the previously unforeseen conditions or occurrences, such revision to be in writing and signed by the parties and incorporated into this Agreement; or (c) Terminate the Services effective on the date of notification pursuant to the terms of TERMINATION FOR CONVENIENCE. Client is responsible for reporting any releases of hazardous substances to appropriate government agencies as required by law. Client acknowledges that Consultant also may have reporting obligations under controlling law and regulations. Client waives any claim against Consultant and will indemnify and hold Consultant harmless from any claim, injury or loss arising from the discovery of unforeseen hazardous substances.
19. **FORCE MAJEURE:** Consultant shall not be deemed to be in default of this Agreement to the extent that any delay or failure in the performance of the Scope of Work results from any causes beyond its reasonable control. For this purpose, such acts or events shall include, but are not limited to, storms, floods, unusually severe weather, epidemics, civil disturbances, war, riot, strikes, lockouts or other industrial disturbances, and the inability within reasonable diligence to supply personnel, equipment, information or material to the Project. In the event that such acts or events occur, it is agreed that Consultant shall attempt to overcome all difficulties arising and to resume as soon as reasonably possible the normal pursuit of the Services covered by this Agreement.
20. **INSURANCE:** Consultant shall maintain at its own expense the following insurance subject to normal industry exclusions: (1) Worker's Compensation Insurance and Employer's Liability Insurance; (2) Commercial Automobile Liability Insurance with limits of \$1,000,000.00; (3) Commercial General Liability Insurance with limits of \$1,000,000.00; and (4) Professional Liability Insurance. Certificates can be issued upon request identifying details and limits of coverage.
21. **INDEMNITY:** Client agrees to indemnify, and save harmless Consultant, its agents, employees, and subcontractors from and against any and all losses, liabilities, and costs and expenses of every kind (including cost of defense, investigation, settlement, and reasonable attorney's fees), which Consultant, its agents, employees, and subcontractors may incur, become responsible for, or pay out as a result of bodily injuries (including death) to any person, damage to any property, or both, to the extent caused by Client's negligence or willful misconduct.
- Subject to Article 5, Consultant agrees to indemnify, and save harmless Client from and against any and all losses, liabilities, and costs and expenses of every kind (including cost of defense, investigation, settlement, and reasonable attorney's fees) which Client may incur, become responsible for, or pay out as a result of bodily injuries (including death) to any person, damage to any property, or both, to the extent caused by Consultant's negligence or willful misconduct.
- Subject to Article 5, Client and Consultant shall, in the event of liability arising out of their joint negligence or willful misconduct indemnify, and save harmless each other in proportion to their relative degree of fault.
22. **DISPUTE RESOLUTION:** Consultant may, in Consultant's sole discretion, pursue collection of past due invoices by litigation in a court of competent jurisdiction. Other than Consultant's collection of past due invoices, in the event of a dispute between Consultant and Client with regard to any matter arising out of or related to this Agreement, the Parties will use their best efforts to resolve the dispute amicably within fifteen (15) calendar days. If the dispute cannot be settled amicably, the Parties agree that the dispute shall be subject to mediation in accordance with the mediation rules of the American Arbitration Association or similar dispute resolution organization if the parties expressly agree. Except for collection actions by Consultant, mediation in good faith shall be a condition

precedent to the institution of litigation by either party. Once a party files a request for mediation with the other party and with the American Arbitration Association, or similar dispute resolution organization, the parties agree to commence such mediation within thirty (30) days of the filing of the request. The costs of such mediation shall be borne equally by both Parties. If the dispute is not resolved after such mediation, then the dispute shall be resolved by litigation in a court of competent jurisdiction within the State where project is located.

23. **CAPTIONS AND HEADINGS:** The captions and headings in this Agreement are for convenience and reference only, and the words contained therein shall in no way be held or deemed to define, limit, describe, modify, or add to the interpretation, construction, or meaning of any provision of or scope or intent of this Agreement.
24. **SEVERABILITY:** If any provision of this Agreement, or application thereof to any person or circumstance, shall to any extent be invalid, then such provision shall be modified if possible, to fulfill the intent of the parties as reflected in the original provision, the remainder of this Agreement, or the application of such provision to persons or circumstances other than those as to which it is held invalid, shall not be affected thereby, and each provision of this Agreement shall be valid and enforced to the fullest extent permitted by law.
25. **ASSIGNMENT AND SUBCONTRACTS:** Neither party may assign this Agreement, in whole or in part, without the prior written consent of the other party, except for an assignment of proceeds for financing purposes. Consultant may subcontract for the Services of others without obtaining Client's consent if Consultant deems it necessary or desirable to have others perform Services.
26. **NO WAIVER:** No waiver by either party of any default by the other party in the performance of any provision of this Agreement shall operate as or be construed as a waiver of any future default, whether like or different in character.
27. **LAW TO APPLY:** The validity, interpretation, and performance of this Agreement shall be governed by and construed in accordance with the laws of the state where project is located.
28. **TIME BAR:** Notwithstanding any applicable state statute of repose or statute of limitation, the Parties agree that all legal actions by either party against the other concerning this Agreement or the work performed in relation to this Agreement, will become barred two (2) years from the time the party knew or should have known of the claim, or one year after completion of Consultant's services, whichever occurs earlier.

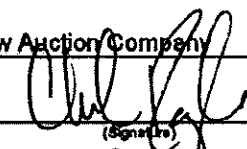
**CONSULTANT HEREBY ADVISES CLIENT THAT ITS PERFORMANCE OF THIS AGREEMENT IS EXPRESSLY CONDITIONED ON CLIENT'S ASSENT TO THE TERMS AND CONDITIONS DETAILED HEREIN.**

**ENTIRE AGREEMENT** – This Agreement represents the entire understanding and agreement between the parties hereto relating to the Services and supersedes any and all prior negotiations, discussions, and Agreements, whether written or oral, between the parties regarding same.

**TO THE EXTENT** that any additional or different Provisions conflict with the Provisions of this Agreement, the Provisions of this Agreement shall govern. No amendment or modification to this Agreement or any waiver of any provisions hereof shall be effective unless in writing, signed by both Parties.

**IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their duly authorized representative.**

**CLIENT:** Furow Auction Company

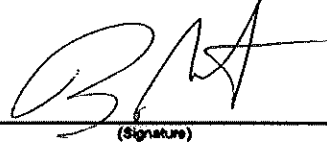
  
(Signature)  
Chad Eagle - Project Manager  
(Print Name / Title)

**DATE:** August 5, 2009

**PROPOSAL NUMBER:** 3409386

**S&ME, Inc.**

**BY:**

  
(Signature)  
Randy Martin, P.E. / Branch Manager  
(Print Name / Title)

**DATE:** 8/11/09

**Client's FAXED or DIGITAL signature to be treated as original signature**

## **APPENDIX VII**

### RESUMES OF ENVIRONMENTAL PROFESSIONALS





**Project Role:**  
Environmental Scientist

**Company:**  
S&ME, Inc.- Knoxville, TN

**Education:**  
B.A. Education, 1980  
Concordia College, Illinois

**Years of Experience:**  
Joined S&ME in 1994 with eight years of previous experience

**Professional Certifications:**  
EPA Certified Asbestos  
Inspector #7ME03177501IR017

**Continuing Education:**

- 40-Hour Health and Safety Training
- Hazardous Waste Operations Supervisor Training
- Asbestos Inspectors Course
- Conducting Historical Research According to ASTM Standard E1527-94
- Whole Effluent Toxicity Testing Short Course
- Environmental Site Assessments for Commercial Real Estate, ASTM
- Permit Required Confined Spaces Course
- Project Management and Professional Development

**TIMOTHY S. SCHALK**  
**ENVIRONMENTAL SCIENTIST**

Mr. Schalk has performed hundreds of Phase I Environmental Site Assessments (ESAs) using the American Society for Testing and Materials (ASTM) standard. His Phase I work has been for both public and private sector clients and includes projects for commercial realtors and developers, and industrial clients in Tennessee. Mr. Schalk's environmental areas of expertise include: soil and groundwater quality assessments for active and inactive sites; Underground Storage Tank (UST) removals and assessments, Phase I Environmental Site Assessments to define past usage of property and determine the presence of potential environmental liabilities. aquatic toxicity testing of municipal wastewater discharges.

**KEY PROJECTS AND ASSIGNMENTS**

**UST removal and site closure at a hospital in Tennessee.**

Project Manager responsible for supervision of tank removal, soil and groundwater sampling and analysis, and state regulatory interfacing.

**Phase I Environmental Site Assessments of Railroad Trackage in Tennessee, Kentucky, Georgia, Alabama, Mississippi, and Florida.**

Project Manager for several Phase I ESAs. Tasks included site reconnaissances, state regulatory interfacing, and interpretation of state and federal regulatory information.

**Numerous Phase I Environmental Site Assessments throughout middle and east Tennessee, Kentucky, Georgia, South Carolina, Mississippi, Kansas, and West Virginia.**

Project Manager for Phase I ESAs. Clients included Flagstar Enterprises, Wal-Mart, the Loewen Group, Gulf and Ohio Railways, various developers, real estate agents, and private individuals.

**Asbestos and Lead Paint Assessment**

Project Manager for assessment of asbestos and lead based paint in buildings being acquired by health care facility. Residence and outbuildings assessed for asbestos and lead-based paint to allow for demolition, removal, and proper disposal of building materials. Assessment performed according to NESHAP standards.

**UST removal and site closure in Alabama.**

Project Manager for removal of underground storage tank, and subsequent site closure. Activities included supervision of tank removals, soil and groundwater sampling and analysis, and state regulatory interfacing.



**Bioremediation of a Solvent Spill at a Manufacturing Facility in Little Rock, Arkansas.**

Project Manager responsible for contaminated soil removal, aeration, and testing until contaminants were reduced to below detection limits. Interfaced with state regulatory authorities during remediation activities.

**Phase I Environmental Site Assessment of a 200,000 square foot Manufacturing Facility in Georgia.**

Project Manager for Phase I ESA. Assessment included UST and AST assessments, asbestos inspection, and regulatory investigation utilizing established S&ME Protocols based on American Society for Testing and Materials (ASTM) Phase I Environmental Site Assessment Process Document 1527-97.

**Database Manager for U.S. Air Force Underground Storage Tank (UST) Program.**

Maintained database of USTs at 12 Air Force bases throughout the country. Utilized UST information to determine removal or upgrade requirements. Generated cost proposals for UST work performed at each base.

**Project Role:**

Senior Geologist

**Company:**

S&ME, Inc.- Knoxville, TN

**Education:**

B.S. Geology, Tennessee  
Technological University, 1987

**Years of Experience:**

Joined S&ME in 2001 with 13  
years of previous experience

**Professional Registrations:**

Professional Geologist:

- Tennessee (#1802)
- Kentucky (#881)
- North Carolina (#1717)
- Georgia (#1572)

Kentucky Corrective Action  
Contractor Certification (#1143)

**Professional Memberships:**

- National Groundwater  
Association
- Geological Society of  
America

ERIC M. SOLT, P.G.

ENVIRONMENTAL SERVICES DEPARTMENT MANAGER

Mr. Solt is a Senior Geologist and Manager of the Environmental Services Department in S&ME's Knoxville office. His areas of proficiency include: project management, operations management, Phase I Environmental Site Assessments, Phase II Environmental Site Assessments, solid and hazardous waste evaluation and management, geologic investigations, soil and groundwater remediation system design, remediation construction management, remediation operation and maintenance.

**KEY PROJECTS AND ASSIGNMENTS****Pilot Oil Corporation and Pilot Travel Centers, LLC**  
*(various southeast locations)*

Project Manager for Phase I and Phase II pre-purchase due diligence environmental services. Responsibilities include contract management, development and implementation of site assessment plans. Property assessments include environmental and geotechnical evaluation of developed and undeveloped parcels.

**Former Industrial Complex*****Elizabethton, Tennessee***

Project Geologist for Phase II Environmental Site Assessment for site development. Project included review of historic facility operations and environmental compliance issues, assessment design, subsurface investigation and reporting.

**Blount County Highway Department*****Alcoa, Tennessee***

Project Manager for facility investigation that included the assessment of soil and groundwater and delineation of old municipal landfill cells on site. Used historic aerial photographs and differential global positioning system and test pit confirmation to expedite the landfill area delineation. Environmental assessment information was used to negotiate a Brownfield Agreement.

**Former Zintec Metal Finishing Facility*****Knoxville, Tennessee***

Project Manager for pre-purchase due diligence investigation that included Phase I ESA and limited Phase II Geoprobe shallow soil assessment for metals.

**Former Injection Molding Facility*****Blount County, Tennessee***

Project Manager responsible for facility assessment to determine the extent of migration of hydraulic oils beneath the process area floor slabs. Assessment also included air rotary drilling to evaluate site groundwater.



### **Continuing Education:**

- Stream Restoration and Natural Channel Design, 2004
- ASTM E1527 Environmental Site Assessment for Commercial Real Estate training, 2003-2008
- Natural Attenuation for Site Remediation, 1998
- Groundwater Pollution and Hydrology, 1994
- Bio-Venting, Principles and Applications, 1994
- Air Sparging for Site Remediation, 1994
- 40-Hour Hazardous Waste Operations Training, 1993 and annual 8-Hour refresher courses 1994-2008

### **Former Lay Packing Facility**

#### ***Knoxville, Tennessee***

Project Manager for Phase II Environmental Site Assessment and the sampling and in-place closure of two 20,000 gallon fuel oil heating tanks.

### **Former Brookside Mills Site**

#### ***Knoxville Tennessee***

Project Manager for the subsurface evaluation of a historic knitting mill. Assessment included the identification of relevant sampling points using Sanborn maps, historic aerial photographs and differential global positioning system.

### **Former Metal Fabrication Facility**

#### ***Knoxville, Tennessee***

Project Manager for Phase II Environmental Site Assessment of a former large-scale metal fabrication facility. Assessment also included test pit and drilling evaluation of a coal tar disposal area associated with historic gas light production facility.

### **Anniston Army Depot**

#### ***Anniston, Alabama***

Project Manager for free product recovery system evaluation using mobile enhanced multi-phase extraction to determine aquifer parameters and free product production at various vacuum and flow rates.

### **Proposed Municipal Service Center**

#### ***Aloca, Tennessee***

Project Manager for Phase II Environmental Assessment of a former manufacturing facility with historic municipal landfill cells located on the property. Utilized test pit, soil boring and Geoprobe® investigation techniques to document subsurface soil conditions and define boundaries of landfill cells relative to proposed structures. Environmental services relative to the development also included a methane and landfill cover thickness evaluation, a hazardous materials survey in the powerhouse, production and drying kiln buildings, as well as a wetlands evaluation.

### **Aluminum Manufacturing Facility**

#### ***Blount County, Tennessee***

Project Manager for comprehensive building material inventory at multiple facilities that included the identification, sampling, analysis and labeling of all identified asbestos-containing materials.

### **Former Plasti-Line Facility**

#### ***Knoxville, Tennessee***

Project Manager for pre-purchase due diligence Phase I and Phase II Environmental Site Assessment of a former thermoplastic molding facility.