

**The Purchase Area Regional Industrial Park
Authority**

Phase I Environmental Site Assessment

For

The Purchase Area Regional Industrial Park

1,800-Acre Property

Boaz, Kentucky

September 2003

PHASE I ENVIRONMENTAL SITE ASSESSMENT

For

The Purchase Area Regional Industrial Park Authority
(PARIPA)

Project No. 090-018400.06
Revision 0

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1. EXECUTIVE SUMMARY

A Phase I Environmental Site Assessment was performed for the Purchase Area Regional Industrial Park Authority (PARIPA) for a property located in Boaz, Kentucky. This property comprises a total of 53 contiguous parcels that total approximately 1,800 acres. These 53 contiguous parcels containing approximately 1,800 acres will be referred to as the "property".

The objective of the Phase I Environmental Site Assessment (ESA) was to identify the environmental risks associated with the "property" regarding contamination due to petroleum products and/or hazardous materials.

The results of the ESA are as follows.

- Based on record reviews there are a total of eight registered underground storage tanks (UST) located within 2.0 miles of the "property". It is Lockwood Greene's opinion that potential releases from these tanks will not impact the "property".
- The "property" is not located near dumps, landfills, or heavy industrial sites that have the potential to impact the "property" with hazardous materials and/or petroleum products.
- The "property" has been agricultural or undeveloped since 1880. This "property" has not been used for an industrial purpose associated with the disposal of hazardous materials or petroleum products.
- It is Lockwood Greene's opinion that the following "recognized environmental conditions" associated with agricultural activities will need to be further assessed to determine risk regarding contamination due to the potential release of petroleum products and/or hazardous materials:
 - Mark Crawford parcel No. 16, includes an empty above ground diesel storage tank.
 - David Leonard parcel No. 54 includes an above ground diesel fuel tank.
 - Terry Leonard parcel No. 29A, includes two 500 gallon fuel tanks (one for diesel and one for gasoline). Parcel 29 includes a tank located on top of a grated pit that is labeled "UST for hazardous fluids".
 - David Ray parcel No. 24, includes spent industrial lead acid batteries, 25 square foot oil stain, 500, 1,000, and 2,000 gallon above ground diesel tanks located inside a containment area (evidence of leakage),

several 55 gallon oil drums, pile of waste tires, Drums of Rotela (evidence of leakage).

- Kenneth Thurston parcels No. 32 and 34, includes two above ground fuel tanks.
 - Ewanda Thurston parcel 41, includes several empty above ground storage tanks.
 - Helen Wilson parcel No. C, includes a gasoline pump, an underground gasoline tank, and an above ground fuel tank.
 - Larry Wilson parcel No. 20, includes two 250 gallon above ground fuel tanks (one for gasoline and one for diesel).
- It is Lockwood Greene's opinion that the Davenport property owners need to be interviewed and the property needs to be visually and physically inspected to complete Phase I assessment requirements per ASTM Standard E1587-00.

2. INTRODUCTION

The "property" is located north and east of Boaz, Kentucky, in Graves County. The "property" has 22 owners and is mainly agricultural with cultivated crops, silos, farm equipment, barns, and homesteads. In accordance with Lockwood Greene (LG) proposal to PARIPA dated 7 July 2003, a Phase I Environmental Site Assessment of the "property" was conducted.

2.1 PURPOSE

The purpose of this site assessment is to identify, to the extent feasible (pursuant to the ASTM Standard Practice for Environmental Site Assessments, Designation E1527-00), recognized environmental conditions (RECs) in connection with the "property".

Detailed Scope of Services

A copy of the detailed scope of services is included in the signed contract between the PARIPA and Lockwood Greene dated 07 July 2003. This signed contract is included in Appendix 16.7 of this report.

2.2 SIGNIFICANT ASSUMPTIONS

To conduct this environmental assessment of the "property" according to ASTM Standard E1527-00, no significant assumptions are required.

2.3 LIMITATIONS AND EXCEPTIONS

No environmental site assessment can wholly eliminate uncertainty regarding the potential for "recognized environmental conditions" in connection with a property. This environmental assessment conducted by Lockwood Greene is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with the "property".

2.4 SPECIAL TERMS AND CONDITIONS

A. Recognized Environmental Conditions (RECs)

The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or

petroleum products even under conditions in compliance with laws. The term is not intended to 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 an enforcement action if brought to the attention of appropriate governmental agencies.

B. Innocent Land Owner Defense

Defense to CERCLA (Superfund) liability provided in 42 USC § 9601(35) and § 9607(b)(3). One of the requirements to qualify for this defense is that the party make "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice."

2.5 USER RELIANCE

Use of this Environmental Phase I Assessment includes without limitation, PARIPA, or other successors-in-title, and their agents, assigns, and lenders.

3. SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The "property" includes a total of approximately 1,800-acres and is bordered by: State Route 45 and Boaz to the west, Mayfield Creek to the east, State Route 849 to the south, and East Baldree Road to the north. For site location see Site Maps, Appendix 16.1)

The "property" is owned by 22 private parties and includes 53 contiguous parcels. All the parcels included in the "property" are located in Graves County, Township 5 North and Range 1 East (Sections 16, 17, 20, 21, 22, and 28). The legal description of the "property" is not available for this environmental assessment. LG has contracted with a local survey company to determine the property lines however the survey will not be completed in time to be included with the assessment. Once the survey is completed an addendum to this environmental assessment will be issued.

3.2 SITE AND VICINITY CHARACTERISTICS

The "property" topography can be characterized as nearly level grade with 0% to 3% slope. Based on the 1993 USGS topographic map, the elevation across the "property" varies from roughly 380 to 430 feet above sea level. For site USGS map see Site Maps, Appendix 16.1). "Property" features include 290 acres of forest, 10,000 feet of Mayfield Creek running along the eastern border, 3,500 feet of Carney Creek crossing the southeast corner, eight unnamed creeks totaling 50,000 feet in length located across the "property", eight 1-acre farm ponds, and over 1,000 acres of cultivated land. The "property" includes 15 homesteads.

The "property" is divided into 53 parcels and each parcel is designated with a single number or letter (see Site Plan, Appendix 16.2). Storm water is discharged from the "property" to Mayfield Creek via Carney Creek and eight other unnamed tributaries of Mayfield Creek. Typically storm water flows across the "property" in a northeast direction. Approximately 50% of the "property" is located inside the 100-year flood plain. For typical "property" characteristics, see site photographs in Appendix 16.3.

3.3 DESCRIPTION OF STRUCTURES, ROADS, OTHER IMPROVEMENTS ON THE SITE

The "property" is mostly cultivated farmland, and the public roads used to access the "property" include East Baldree Road, Pittman Road, and State Route 849. There are a total of 15 homesteads that can include structures such as silos, tobacco curing barns, maintenance barns,

greenhouses, dirt roads/driveways, equipment storage barns, abandoned feed mill, fuel tanks, landscaping, and fencing.

3.4 CURRENT USES OF THE "PROPERTY"

The "property" is currently cultivated land that is used to grow soybeans, corn and tobacco. Associated with the farm are homesteads and support facilities such as barns, silos, equipment storage and maintenance buildings, animal corrals, and greenhouses.

3.5 CURRENT USES OF ADJOINING PROPERTY

The north adjacent property is mostly agricultural. However north of the State Route 45 and East Baldree Road intersection is located a solid waste recycler (Bens Recycling). All adjacent properties east of Mayfield Creek are agricultural with the exception of the property located at State Route 849. This property was a former concrete plant that manufactured sewer pipe, manholes, septic tanks, and coffin vaults. This facility appears to have been closed down for about 50 years. The adjacent properties south of State Route 849 are all agricultural. The west adjacent properties are mostly agricultural. However the properties located inside the Folsomdale City limits are residential.

4. USER PROVIDED INFORMATION

4.1 TITLE RECORDS

Lockwood Greene has reviewed the Deeds for all "property" parcels, except for Parcel C.

All title information was obtained from the Graves County Clerk, located in Mayfield, Kentucky. Property deed information is presented in the Table below for each of the parcels that make up the "property". The parcels are listed in alphabetical order by owner's surname and includes: site map #, tax map #, number of acres, deed volume/page, and the date the deed was registered by the Graves County Clerk.

Site Map #	Tax Map #	Surname	Acres	Deed #	Deed Date
A	067.00.00.095.00	Beckham	41.00	232-048	4/22/72
B	067.00.00.096.00	Beckham	1.00	375-773	8/3/98
62	084.00.00.102.00	Bone	119.00	314-049	4/14/88
70	084.00.00.101.00	Bone	3.50	314-049	4/14/88
53	067.00.00.102.00	Boyd	20.50	192-004	7/15/64
46	067.00.00.105.00	Cissell	1.94	326-050	6/1/90
18	083.00.00.077.00	Crawford	8.00	377-067	10/13/98
22	066.00.00.079.00	Crawford	18.00	265-668	11/9/77
23	066.00.00.080.00	Crawford	193.00	377-067	10/13/98
25	066.00.00.074.00	Crawford	28.30	280-827	2/6/81
26	066.00.00.077.00	Crawford	16.30	280-827	2/6/81
16	083.00.00.073.00	Crawford	225.90	377-067	10/13/98
19	083.00.00.075.00	Crawford	19.00	377-067	10/13/98
21	083.00.00.074.00	Crawford	19.00	377-067	10/13/98
27	083.00.00.068.00	Davenport	91.00	210-344	5/17/68
44	083.00.00.054.00	Davenport	31.00	257-516	9/2/76
48	083.00.00.052.00	Davenport	31.00	258-564	11/15/76
51	083.00.00.059.00	Davenport	60.00	188-473	10/3/63
52	083.00.00.058.00	Davenport	20.00	379-291	2/19/99
59	084.00.00.099.00	Davenport	52.00	379-273	2/17/99
67	084.00.00.098.00	Davenport	20.00	227-645	8/18/71
31	083.00.00.065.00	Davenport	22.80	318-230	12/22/88
35	083.00.00.066.00	Davenport	1.30	318-230	12/22/88
56	084.00.00.103.00	Davenport	47.00	318-230	12/22/88
61	084.00.00.100.00	Davenport	60.50	318-230	12/22/88
68	084.00.00.097.00	Davenport	28.00	318-230	12/22/88
36	083.00.00.064.00	Hendon	23.70	313-593	3/24/88
65	084.00.00.095.00	Hendon	73.00	313-593	3/24/88
64	083.00.00.057.00	Hendon	16.00	134-299	12/5/45

Site Map #	Tax Map #	Surname	Acres	Deed #	Deed Date
47	067.00.00.109.00	Leonard	1.50	384-702	12/6/99
54	067.00.00.101.00	Leonard	25.00	305-662	10/1/86
55	067.00.00.100.00	Leonard	23.00	263-411	7/25/77
57	067.00.00.097.00	Leonard	31.71	384-699	12/6/99
58	067.00.00.099.00	Leonard	1.00	384-699	12/6/99
50	067.00.00.110.00	Leonard	79.50	199-492	4/10/86
29	067.00.00.107.00	Leonard	25.41	169-575	11/2/58
29A	067.00.00.108.00	Leonard	2.00	385-059	12/17/99
39	067.00.00.106.00	Leonard	5.00	385-066	12/17/99
69	084.00.00.096.00	Nall	20.00	243-063	12/11/73
24	083.00.00.072.00	Ray	116.21	347-672	4/14/94
49	083.00.00.062.00	Thurston	2.60	285-152	2/24/82
30	083.00.00.067.00	Thurston	7.10	280-513	12/22/80
33	083.00.00.071.00	Thurston	10.00	278-480	5/27/80
40	083.00.00.063.00	Thurston	13.00	159-462	4/4/55
41	083.00.00.060.00	Thurston	56.00	280-791	4/29/48
42	083.00.00.061.00	Thurston	15.00	244-058	2/21/74
32	067.00.00.103.00	Thurston	38.72	211-515	
34	067.00.00.098.00	Thurston	55.00	341-077	2/8/93
45	067.00.00.104.00	Thurston	4.28	341-073	2/8/93
37	083.00.00.069.00	Wilson	6.28	392-202	1/26/01
28	083.00.00.070.00	Wilson	3.00	295-361	8/7/84
C		Wilson			
20	083.00.00.076.00	Wilson	12.00	402-588	9/22/93
Total			1845.05		

4.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

Based on the deeds reviewed in the table above, no environmental liens have been identified. Additionally, no activity or use limitations were identified due to environmental contamination.

4.3 SPECIALIZED KNOWLEDGE

The User has not provided Lockwood Greene with any specialized knowledge of the "property".

4.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

User does not have knowledge that the purchase price of the "property" is significantly less than comparable properties due to environmental issues.

4.5 OWNER PROPERTY MANAGER AND OCCUPANT INFORMATION

A. Property Owners

First Name	Last Name	Address	City	State	Zip
Glenn & Linnie	Beckham	1268 State Route 849	Boaz	KY	42027
Jennifer	Beckham	1777 Baldree Road East	Boaz	KY	42027
Sammie	Bone	257 Carmen Road	Hickory	KY	42051
Perry & Oneita	Boyd	237 Pittman Road	Boaz	KY	42027
David & Debbie	Cissel	104 Pittman Road	Boaz	KY	42027
Jean & Betty	Crawford	1306 High Contente Ct.	Mayfield	KY	42066
Mark & Donna	Crawford	105 Jalusian Trail	Paducah	KY	42001
Michael	Davenport	2250 State Route 849	Boaz	KY	42027
Milton & Betty	Davenport	2250 State Route 849	Boaz	KY	42027
Elgie	Hendon	1678 Baldree Road East	Boaz	KY	42027
David	Leonard	415 Pittman Road	Boaz	KY	42027
Richard	Leonard	11545 State Route 339 N	Melber	KY	42069
Terry	Leonard	98 Pittman Road	Boaz	KY	42027
Mary	Nall	2335 State Route 45 N	Mayfield	KY	42066
David & Mary	Ray	1094 Baldree Road East	Boaz	KY	42027
Ewanda	Thurston	1620 Baldree Road East	Boaz	KY	42027
Kenneth	Thurston	5536 State Route 1241	Hickory	KY	42051
Nancy	Thurston	248 Pittman Road	Boaz	KY	42027
Douglas & Paulette	Wilson	2247 County Line Rd.	Melber	Ky	42069
Eva Mae	Wilson	8456 State Route 1241	Boaz	KY	42027
Helen	Wilson	1086 State Route 849	Boaz	KY	42027
Larry	Wilson	140 Baldree Road E	Boaz	KY	42027

B. Property Manager

The owners listed above manage "property" parcels.

C. Occupants

There are no occupants located on the "property" with the exception of the "property" owner/family and a microwave tower and control building located on Terry Leonard's property.

4.6 REASON FOR PERFORMING PHASE I

The purpose of the Phase I Environmental Site Assessment is to conduct appropriate environmental due diligence prior to purchasing this "property". The user also plans to make this assessment available to government funding institutions and/or banks.

5. RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

Lockwood Greene subcontracted Environmental Data Resources, Inc. (EDR) to search government records sources to help identify recognized environmental conditions in connection with the “property”.

Some of the records reviewed pertain not just to the “property”, but also pertain to properties within an additional minimum search distance in order to assess the likelihood of problems from migration of hazardous substances or petroleum products.

The standard environmental record sources and search distance reviewed by EDR are as follows:

Records	Approximate Minimum Search Distance, Miles
Federal NPL site list	3.0
Federal CERCLIS list	3.0
Federal CERCLIS NFRAP site list	3.0
Federal RCRA CORRACTS facilities list	3.0
Federal RCRA non-CORRACTS TSD facilities list	3.0
Federal RCRA generators list	3.0
Federal ERNS list	3.0
State lists of hazardous waste sites identified for investigation or remediation:	3.0
State-equivalent NPL (HSI)	3.0
State-equivalent CERCLIS (Non-HSI)	3.0
State landfill and/or solid waste disposal site lists	3.0
State leaking UST lists	3.0
State registered UST lists	3.0

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

The following additional environmental record sources were reviewed by EDR:

Federal ASTM Supplemental

CONSENT	Superfund (CERCLA) Consent degrees
ROD	Records of Decision
Delisted NPL	National Priorities List Deletions
HMIRS.....	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking
MINES.....	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
DOD.....	Department of Defense Sites
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS.....	FIFRA/TSCA Tracking System – FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)/TSCA (Toxic Substances Control Act)

State or Local ASTM Supplement

SB193	UST closure with known contamination
Inst Control.....	Closed site inventory that are managed or contained
VCP.....	Voluntary Cleanup Program, inventory of sites

EDR Proprietary Historical Databases

Coal Gas	Former Manufactured Gas (Coal Gas) Sites
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5.3 HISTORICAL USE INFORMATION ON THE PROPERTY

The following standard historical sources were consulted to develop a history of the previous uses of the “property” and surrounding area.

- ◆ Aerial photographs
- ◆ Property tax files
- ◆ Recorded land title records

- ◆ Recorded history of Graves County
- ◆ USGS 7.5 minute topographic map
- ◆ 1880 D. J. Lake & Company map
- ◆ Aerial Photographs

Aerial photographic information covers the time span from 1955 to 1998. A summary of the findings are presented below and a tabular summary of aerial photograph information by parcel is included in Appendix 16.4.

1955 On-Site Observations: 75% farmland, 25% trees, 52 structures located throughout the “property” includes homesteads, barns, and silos, 11 farm ponds, and one small orchard.

North Adjacent: Farmland.

South Adjacent: State Route 849 and Farmland

East Adjacent: Mayfield Creek, farmland, and former cement products manufacturing plant located adjacent to the east bank of Mayfield Creek and the north side of State Route 849.

West Adjacent: Farmland, the Folsomdale City limits, and State Route 45 did not exist at this time.

1983 On-Site Observations: 80% farmland, 20% trees, 85 structures located throughout the “property” includes homesteads, barns, and silos, 14 farm ponds, small orchard gone.

North Adjacent: Same as 1955

South Adjacent: Same as 1955.

East Adjacent: Same as 1955.

West Adjacent: State Route 45 has been built.

1993 On-Site Observations: 83% farmland, 17% trees, 91 structures located throughout the “property” includes homesteads, barns, and silos, and 16 farm ponds.

North Adjacent: Same as 1955.

South Adjacent: Same as 1955.

East Adjacent: Same since 1955.

West Adjacent: Same as 1983.

1998 On-Site Observations and Adjacent : Same as 1993

◆ Property Tax Files

Tax records were reviewed in the Graves County Tax Assessors Office; Court House, Mayfield, Kentucky 42066. The following information was obtained.

- Owner of each parcel
- Tax Identification Number for each parcel
- Assessed Value of land and improvements for each parcel
- Total assessed value of the "property"

Based on tax records available, Lockwood Greene could not verify the past owner nor date of the last sale due to limited data. The results of this records review is presented and summarized in Appendix 16.4.

◆ Recorded Land Title Records

Recorded land title records were reviewed at the Graves County Clerks Office, located at the Court House, Mayfield, Kentucky. The results of this records review were presented in Section 4.1, Title Records.

◆ Recorded History of Graves County

Prior to settlement in the early 1800's, the area, now known as Graves County Kentucky, was occupied for several millennia by various cultures of Native American Indians. These Indians periodically burned the landscape; thus, suppressing forestation and fostering grasslands to support buffalo and elk. The first settlers of European decent referred to this relatively treeless grassland as "The Barrens." As late as 1835 the greater part of Graves County was almost entirely devoid of timber except along the streams. When the district became more settled the practice of burning the land ceased and valuable timber began to grow.

The barren landscape was relatively easy to convert to agriculture because there were no forests to clear. In addition there was an

abundance of water along four major waterways and their tributaries. An early settler, George Mayfield, drowned in one of the waterways and became known as Mayfield Creek. A settlement established on Mayfield Creek in 1819 was named for the creek. Mayfield Creek was the source of water for the City until wells were drilled in the 1920's

The rich soils of loess and sediment origins on the relatively level terrain, along with the climate, were ideal for the dark fired tobacco brought by the immigrants from Virginia. These factors resulted in rapid growth of the region and the formation of Graves County in 1824. Soon the region became highest producer of dark fired tobacco in the country and in 1856 the New Orleans & Ohio Railroad (now the Paducah & Louisville Railroad) connected Mayfield with the river ports in Paducah. As Mayfield became urbanized other communities such as Folsomdale (located adjacent to the "property") grew into farm trade centers.

During the century following the formation of Graves County (1824-1924) agriculture spread and thrived in most areas of the county. An exception was the lower terraces along Mayfield Creek in the area being considered for development by the User. Annual floods prevented competitive use of this land; thus, it remained in timber. An aggressive water works program along Mayfield Creek in the 1920's relocated portions of Mayfield Creek, dredged and straightened other portions, dredged tributaries, and constructed new drainage ditches across the area. This program allowed conversion of most forested areas to row agriculture.

There were some areas that either could not be effectively or efficiently drained or that have subsequently reverted to undrained conditions. These are now wetlands that have connections to Mayfield Creek. In addition, ponds were constructed by excavation and enclosing in dikes. These are now wetlands that do not have connections to creeks.

- ◆ USGS 7.5 Minute Topographic Map

USGS Melber, Kentucky 7.5 minute quad (1993) was reviewed. The area on-site and adjacent properties appear as farmland and rural. The only exception is the southwest properties located adjacent to the Folsomdale City limits which is considered residential. The "property" is shown to include 54 structures, 7 farm ponds, and 220-acres of forest.

- ◆ 1880 D. J. Lake & Company map

The 1880 D.J. Lake & Company map was reviewed. A copy of the map is included in Appendix 16.4. The area on-site appears to include only homesteads owned by a total of five families. (Nall, Pryor, Reeves, Adams, and Hicks) Pittman road extends across the entire "property" and connects State Route 1241 with the City of Boaz. Mayfield Creek extends 6,000 feet across the southeast corner of the "property". Adjacent to the "property" are homesteads, Liberty Baptist Church, School No. 18, School No. 14, RR between Mayfield and Paducah, and the City of Boaz (hardware and grocery store, grain mill, post office, and RR agent).

5.4 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

Uses of surrounding areas were revealed in reviewing aerial photographs, 1880 D. J. Lake Company map, and the USGS 7.5 minute Melber, Kentucky topographic map. These observations have been discussed in Section 5.3, Historical Use Information on the Property.

6. SITE RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

Site reconnaissance was conducted by John Oster and Brian Choi of Lockwood Greene (LG) on July 23 and 24th, 2003. Additional site reconnaissance was conducted by Brian Choi on July 29, 30, and 31st, 2003 and by C. B. Coburn also with Lockwood Greene on August 5 – 8, 2003. The methodology used to visually and physically observe the “property” included observing each parcel from the perimeter and traversing the parcel as required to observe structures such as homes, barns, storage sheds, wells, surface ponds, and/or abandoned farm equipment.

All the peripheries of all structures were observed from the outside, the interior of some structures were visually observed if the doors were open.

The weather during the visits was partly cloudy with a temperature in the 80’s.

Visual observations were conducted without any limitations imposed by physical obstructions or harsh weather conditions.

6.2 GENERAL SITE SETTING

The current “property” use is agricultural. Agricultural operations include row crops (corn, soy beans, and tobacco), greenhouses, and raising horses. In association with agricultural operations, general equipment and building maintenance work is performed, along with the use of chemicals, fertilizers, insecticides, and herbicides.

6.3 EXTERIOR OBSERVATIONS

The following observations are recorded in the table below:

Map Parcel Number	Field Observations
16	Soybean Fields with Creeks Running Through Property; Forested Area; Abandoned Shed in Front of Property Facing Baldree Road; Empty Above Ground Diesel (?) Storage Tank
18	100% Forested Area
19	Corn Field
20	Corn Field
21	Corn Field; Forested Area
22	Fallow Field
23	Soybean / Corn Field; Forested Area; Fallow Field; Barn
24	Soybean Field; Residence; Numerous Discarded Vehicles/Trucks; Old Fuel Tanker Truck; Barn Full of Equipment Parts, Motors, Tires; Tank Next to Grain Silos; Drums of Hydraulic Fluid / Oil; Empty Vessel (Label Reads Tritom X-100); Piles of Scrap Metal; Drums of Rotela (?) - Evidence of Leakage; Empty Above Ground Diesel Fuel Tanks (500, 1000, 2000 Gallons); Fuel Oil Tanks in Containment Area - Evidence of Leakage; Forested Area Along Mayfield Creek

Map Parcel Number	Field Observations
25	Fallow Field; Creek Running W to E through property
26	Fallow Field
27	Soybean Field
28	100% Forested Area
29	Radio Tower; Tank Labeled "UST for Hazardous Fluids" Located on Top of Grated Pit; Numerous Old Tractors; Residence with Above Ground Propane Tank; Silos (5); Old Antique Store; Equipment Shed; Maintenance Building; Pole Transformer
29A	Two Tobacco Curing Barns; Corn Field on Side Facing US 45
30	100% Forested Area
31	Soybean Field
32	Tobacco / Soybean Field; Three Tobacco Barns; Single Wide Trailer with Above Ground Propane Tank; Horse Barn; Tractor Garage; Two Silos; Two Above Ground Fuel Tanks
33	Corn Field
34	Tobacco / Corn / Soybean Fields; Residence; Two Pole Transformers Along Pittman Road; Well; Fire Hydrant by Pole on Pittman Road
35	100% Forested Area
36	Soybean Field
37	100% Forested Area
39	Greenhouses; Residence with Above Ground Propane Tank
40	Tobacco / Soybean Field; Corn Field
41	Tobacco / Soybean Field; Residence with Above Ground Propane Tank; Barn with Above Ground Storage Tank; Above Ground Diesel Fuel Tank; Several Empty Above Ground Storage Tanks; Tractor Maintenance Shed; Grain Silo; Corn Field
42	Corn Field
44	Soybean Field
45	Fallow Field (for Horses?) in Front of Residential Area; Above Ground Propane Tanks; Two Pole Transformers
46	Residence
47	Corn Field
48	Soybean Field
49	Soybean Field; Creek Runs Through the "property"
50	Soybean Field; Fallow Field / Small Forested Area; Tobacco Barn
51	Milton Davenport Property (row crop) (see note below)
52	Milton Davenport Property (row crop) (see note below)
53	Soybean Field; Residence on Side Facing Pittman Road
54	Corn Field; Residential Area with Above Ground Propane Tank on Side Facing Pittman Road; Above Ground Diesel Fuel Tank
55	Corn Field; Three Grain Silos with Above Ground Propane Tank; Grated Pit Area in Front of Silos (possibly for weighing)
56	Michael Davenport Property (soybean field) (see note below)
57	Tobacco Field
58	Residence; Above Ground Propane Tank
59	Milton Davenport Property (row crop) (see note below)
61	Michael Davenport Property (row crop) (see note below)
62	Corn Field; Mayfield Creek Along Eastern Edge of Property
64	Corn Field; Residential Area in Front of Property Facing Baldree Road
65	Corn / Soybean Fields; Forested Area; Residential Area in Front of Property Facing Baldree Road
67	Milton Davenport Property (see note below)
68	Soybean Field
69	Corn Field; Forested Area
70	Corn Field
A	Soybean Field; Pond
B	Trailer; Pole with Transformer
C	Abandoned Feed Mill; 20 Foot Wide Hole Filled with Trash; Fiber Optic Cable Marker
	Note: Parcels owned by the Davenport family have not been visited, only viewed from a distance, because the owner denied Lockwood Greene physical access.

6.4 INTERIOR OBSERVATIONS

Building interiors were not observed during the site inspection. According to ASTM Standard E1527-00 only occupant or public interiors are required to be visually and/or physically observed. The parcel owners with one exception occupy all structures on the "property". The only exception is the microwave tower and control building. The control building was locked and not accessible to the environmental professional.

7. INTERVIEWS

7.1 INTERVIEW WITH OWNER

An interview was conducted with each parcel owner with the exception of James Milton Davenport and Kevin Davenport. Based on instruction from Bill Beasley, General Manager, Purchase Area Regional Industrial Park Authority LG was not to interview the Davenports. A summary of the completed interview questionnaires are included with this report; reference Appendix 16.6, Interview Documentation. Based on this interview the potential "recognized environmental conditions" identified with this "property" are: two 500 gallon fuel tanks located on Terry Leonard property; industrial batteries, oil stain, one 1,000-gallon fuel tank, 55-gallon drums of oil, and tires on David Ray property; gasoline pump, under ground storage tank, and above ground fuel tank on the Helen Wilson feed mill property, and two 250 gallon fuel tanks on the Larry Wilson property.

Property owners were also asked how long they owned the property, who was the former owner, and how long did they own the property. The results of these questions are recorded as follows:

- Glenn Beckham, owned the property since 1968 previous owners were Jack Holmes and Gordon Ford
- Jennifer Beckham Houser, owned the property since 1998, received from Glenn Beckham and has been in the family for 60 years.
- Jeannette and Sammie Bone, owned the property since 1987, purchased the property from Clois Wilson sale.
- Perry Boyd, owned the property since 1965, purchased the property from Hershel Huey who purchased the property in 1950.
- David Cissel owned the property since 1990, purchased the property from Larry and Rose Seay who purchased the property in 1975 from J and Martha Seay.
- Jean Crawford, owned some of the properties since 1953, purchased from Harold Sides who was a crop and cattle farmer.
- Elgie Hendon, her family has owned this property since the early 1940's and has been farmland the entire time.

- David Leonard, owned the property since 1970, the property was owned by his father. Mr. Leonard's father lived in the area his entire life (1909 to 2001), and during that time the area has always been farmland. Mr. Leonard stated that his father witnessed the dredging of Mayfield Creek when in elementary school (estimated to be in 1918).
- Terry Leonard, owned the property since 1958, previous owner was H.C. Dinwiddle.
- Mary Nall, owned the land since her husband died in 1986, the land has been in her family for the last 55 years and has always been farmland.
- David Ray, owned the land since 1993, previous owner was Felix Dillingham, Dillingham family owned the property since 1940.
- Elwanda Thurston, owned the property since 1946.
- Kenneth Thurston, owned the property since 1968 (parcel 34) and 1971 (parcel 32), previous owner of parcel 34 is Robert Mensker (owned the property for 45 years) and previous owner of parcel 32 is Marvin McReynolds (owned the property for 18 years). Mr. Thurston stated that the land has always been farmland as long as he can remember.
- Nancy Thurston, owned the property since 1971, previous owner was Marvin McReynolds and has been in his family since 1928.
- Douglas Wilson, owned the land since 1963, previous owner of parcel 37 was Virgil Barker who owned this land for 45 years. This land has always been forested as long as Mr. Wilson can remember. Mr. Wilson owned parcel 28 since 1979, previous owners include Charles Whitlow (1969 to 1979), Solon Smith (1939 to 1969), and Carter Brothers (1889 to 1939).
- Helen Wilson, owned the land since 1972, C.C. Wheeler ran the feed mill from 1963 to 1981. The feed mill was shut down in 1981.
- Larry Wilson, owned the land since 1973.

7.2 INTERVIEW WITH SITE MANAGER

The parcel owner operates their property, therefore interview of site managers does not apply.

7.3 INTERVIEW WITH OCCUPANTS

Lockwood Greene was unable to locate and interview the microwave control building occupant.

7.4 INTERVIEWS OF LOCAL GOVERNMENT OFFICIALS

On August 14, 2003, John Oster interviewed Viola Fire Chief Mike Powers. Mr. Powers has worked for the Viola Fire Department for the last twelve years and has been the Chief for the last three years. Mr. Powers did establish that the "property" is inside the Viola Fire Department jurisdiction. According to Mr. Powers stated that they have not responded to a hazardous material or petroleum spill at the "property".

On August 21, John Oster interviewed Mr. Noel Coplen, Graves County Site Manager, with the Department Environmental Health Services. Mr. Coplen stated that he is familiar with the "property". He stated that the soil has a low percolation rate and is flat so sewage has the potential to flood the area. He also stated that he has no records of violation and no complaints about trash.

7.5 INTERVIEWS WITH OTHERS

On August 18, 2003 John Oster contacted Holly Lawrence, Inspector for the Kentucky Department for Environmental Protection (DEP). Ms. Lawrence inspects solid waste facilities that are located in and around the Paducah DEP regional office. Under the Freedom of Information Act (FOIA), Ms. Lawrence faxed to John Oster the most recent compliance inspection reports for the North Graves Company, Inc. landfill that is located adjacent to the "property" near Mayfield Creek and State Route 849. Based on these reports one NOV was issued in 2001 for unauthorized waste, debris not controlled, acre not marked, and waste not properly covered. Since 2001 the landfill has been in compliance. Inspection reports are included in Appendix 16.6, Interview Documentation.

On August 26, 2003 John Oster again contacted Holly Lawrence, Inspector for the Kentucky Department for Environmental Protection (DEP). Under the Freedom of Information Act (FOIA) Ms. Lawrence faxed to John Oster a copy of the most recent compliance inspection reports for Bens Recycling facility that is located adjacent to the "property" north of Baldree Road. Based on these reports one NOV was issued in 2001 for liter and debris not controlled. Since 2001 the recycling facility has been in compliance. Inspection reports are included in Appendix 16.6, Interview Documentation.

8. FINDINGS

The findings are as follows:

- The known or suspect “recognized environmental conditions” associated with the “property” are as follows:
 - Mark Crawford parcel No. 16, includes an empty above ground diesel storage tank.
 - David Leonard parcel No. 54 includes an above ground diesel fuel tank.
 - Terry Leonard parcel No. 29A, includes two 500 gallon fuel tanks (one for diesel and one for gasoline). Parcel 29 includes a tank located on top of a grated pit that is labeled “UST for hazardous fluids”.
 - David Ray parcel No. 24, includes spent industrial lead acid batteries, 25 square foot oil stain, 500, 1,000, and 2000 gallon above ground diesel tanks located inside a containment area (evidence of leakage), several 55 gallon oil drums, pile of waste tires, Drums of Rotela (evidence of leakage).
 - Kenneth Thurston parcels No. 32 and 34, includes two above ground fuel tanks.
 - Ewanda Thurston parcel 41, includes several empty above ground storage tanks.
- The known or suspect historical “recognized environmental conditions” associated with the site are as follows:
 - Helen Wilson parcel No. C, includes a gasoline pump, an underground gasoline tank, and an above ground fuel tank.
 - Larry Wilson parcel No. 20, includes two 250 gallon above ground fuel tanks (one for gasoline and one for diesel).
- The “property” was not found in any of the government environmental databases searched by EDR.
- Records review found the following surrounding sites.
 - ◆ One construction waste landfill (an adjoining property).
 - ◆ One small quantity hazardous waste generator (an adjoining property).
 - ◆ Eight registered underground storage tanks (not an adjoining property).

- ◆ One solid waste recycling facility (an adjoining property)
- Based on visual and physical inspection of surrounding properties, Lockwood Greene found a concrete product manufacturing plant located adjacent to the “property” near the intersection of Mayfield Creek and State Route 849. This property included several fuel tanks and 100 feet by 50 feet scrap metal storage area. Based on the condition of the buildings the age of the plant was estimated to be 50 years old.

9. OPINIONS

It is Lockwood Greene's opinion that the registered USTs located at two sites will not impact the "property" and are not "recognized environmental conditions." The rationale used for each of the two sites is presented as follows:

- Fristoos Food Mart: is 2 miles from the "property" southern border, and therefore is too far away to have impact on the "property".
- Hancocks Market: 2,500 feet from the "property", topography slopes down toward the "property" but is interrupted by Carney Creek Tributaries, 500 and 2,000 feet before the "property" is reached.

It is Lockwood Greene's opinion that Bens Recycling located north of East Baldree Road and adjacent to the "property" will not impact the "property" and is not a "recognized environmental condition". The rationale is that Bens Recycling facility is only involved in the recycling of plastic and aluminum containers, both non-hazardous materials. Also based on inspection reports by Kentucky DEP this facility is mostly in compliance and the only non-compliance issue addressed by DEP over the last three years was for littering. Also this facility is also registered as a small quantity hazardous waste generator that means that less than 220 lbs per month are generated at this facility. It is Lockwood Greene's opinion that managing hazardous waste in an environmentally safe way will not impact the environment nor impact adjacent properties.

It is Lockwood Greene's opinion that North Graves Company, Inc. landfill located near Mayfield Creek and State Route 849 will not impact the "property" and is not a "recognized environmental condition". The rationale is that North Graves Company landfill is only involved in the disposal of construction debris that is non-hazardous material. Also based on inspection reports by Kentucky DEP this facility is mostly in compliance and the only non-compliance issue addressed by DEP over the last three years was for the disposal of unauthorized debris (assumed to be non-hazardous). This landfill also is located on the other side of Mayfield Creek and therefore contamination could not migrate to the "property" without being interrupted by the Creek.

It is Lockwood Greene's opinion that former concrete products plant located near Mayfield Creek and State Route 849 will not impact the "property" and is not a "recognized environmental condition". The rationale is that the plant is located on the other side of Mayfield Creek and contamination could not migrate to the "property" without being interrupted by the Creek.

It is Lockwood Greene's opinion that the following "recognized environmental conditions" will need to be further assessed to determine risk regarding

contamination due to the potential release of petroleum products and/or hazardous materials:

- Mark Crawford parcel No. 16, includes an empty above ground diesel storage tank.
- David Leonard parcel No. 54 includes an above ground diesel fuel tank.
- Terry Leonard parcel No. 29A, includes two 500 gallon fuel tanks (one for diesel and one for gasoline). Parcel 29 includes a tank located on top of a grated pit that is labeled "UST for hazardous fluids".
- David Ray parcel No. 24, includes spent industrial lead acid batteries, 25 square foot oil stain, 500, 1,000, and 2000 gallon above ground diesel tanks located inside a containment area (evidence of leakage), several 55 gallon oil drums, pile of waste tires, Drums of Rotela (evidence of leakage).
- Kenneth Thurston parcels No. 32 and 34, includes two above ground fuel tanks.
- Ewanda Thurston parcel 41, includes several empty above ground storage tanks.
- Helen Wilson parcel No. C, includes a gasoline pump, an underground gasoline tank, and an above ground fuel tank.
- Larry Wilson parcel No. 20, includes two 250 gallon above ground fuel tanks (one for gasoline and one for diesel).

It is Lockwood Greene's opinion that the Davenport property owners need to be interviewed and the property needs to be visually and physically inspected to complete Phase I assessment requirements per ASTM Standard E1587-00.

10. CONCLUSIONS

Lockwood Greene has performed a Phase I Environmental Site Assessment in conformance within the scope and limitations of ASTM Practice E1527 for the "property" located in Boaz, Kentucky. Any exceptions to, or deletions from, this practice are described in Section 2.3. This assessment has revealed evidence of "recognized environmental conditions" in connection with the "property".

11. DEVIATIONS

Lockwood Greene followed the ASTM E1527-00 protocol without any deletions and/or deviations from this practice.

13. REFERENCES

ASTM Standard Practice (E1527-00) for Environmental Site Assessments; Phase I Environmental Site Assessment Process.

FEMA Flood Maps, Community Panels 210282 0001 A and 210282 0002 A.

Property Title Deeds, Graves County Clerks Office, Mayfield, Kentucky

Property Tax Records, Graves County Tax Assessors Office, Mayfield, Kentucky

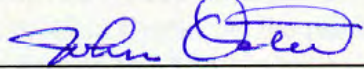
Graves County History by Dr. Ruby Holland, obtained from www.boards.ancestry.com

Graves County History The Kentucky Encyclopedia, edited by John Kleber. Copyright 1992, obtained from www.kycourts.net

14. SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

John Oster of Lockwood Greene conducted this Phase I Environmental Site Assessment of the 1,800 acre "property" located in Boaz, Kentucky.

Signature of Environmental Professional
Lockwood Greene



John Oster

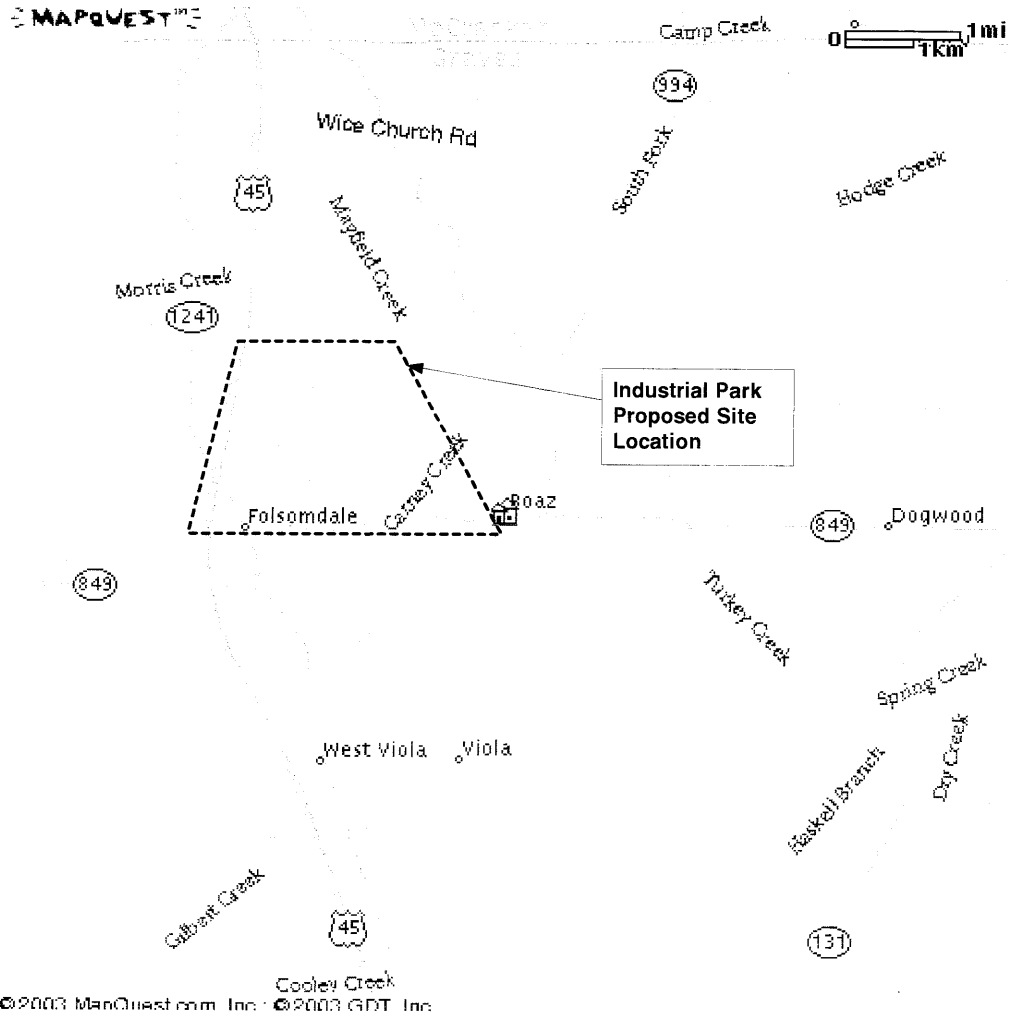
10/3/03

Date

15. QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

Mr. Oster has conducted Phase I Environmental Site Assessments for 15 years and has a Masters Degree in Environmental Engineering.

16.1 SITE MAPS



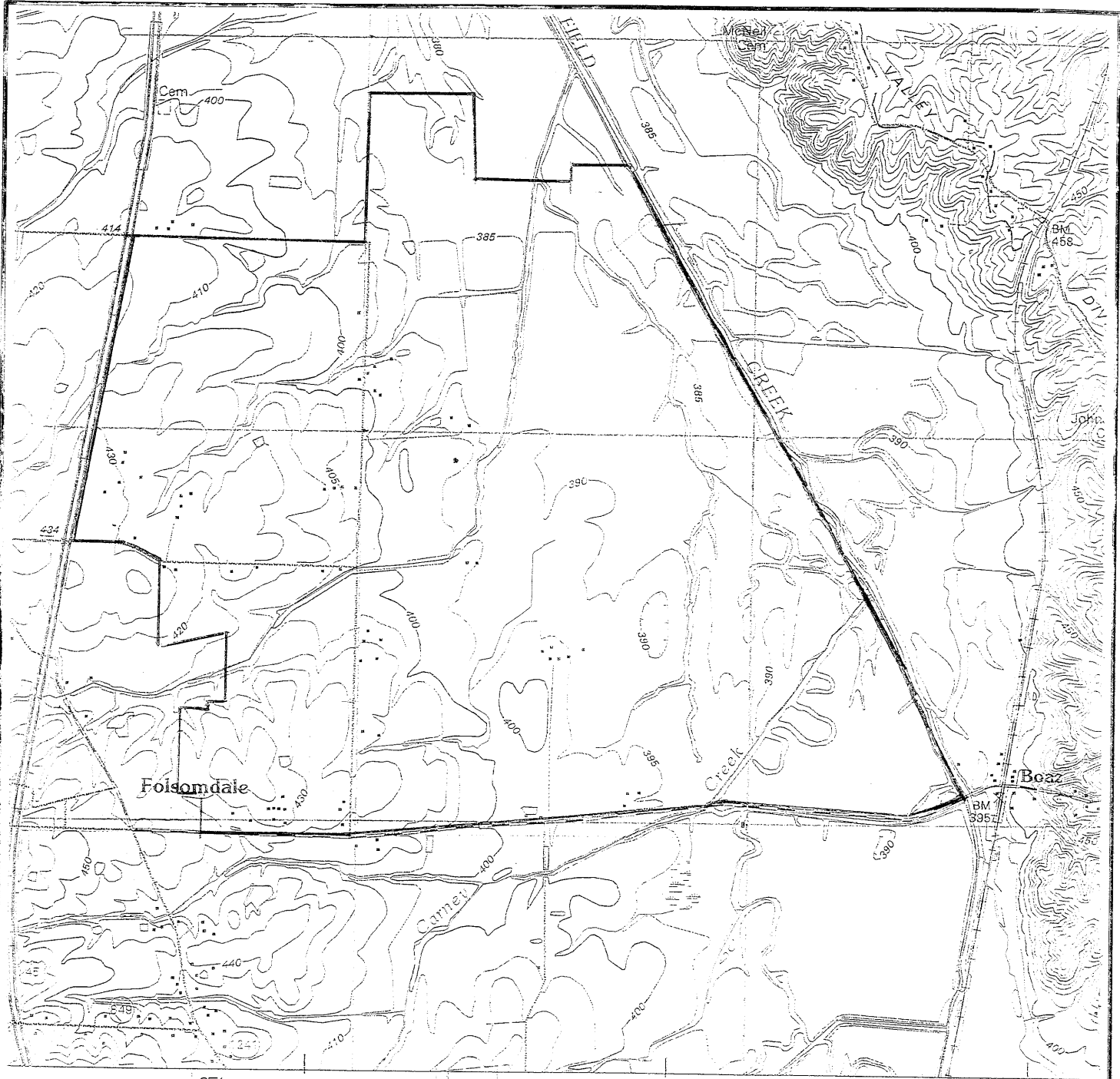
LOCKWOOD GREENE
— A J.A. JONES COMPANY —
ENGINEERING & CONSTRUCTION

Project No.
090-018400.06

DATE: September 2003

The Purchase Area Regional Park Authority

Site Location Map
Boaz, Kentucky



351 40' 00" 352 353 354000E

INTERIOR - GEOLOGICAL SURVEY, RESTON, VIRGINIA



LOCKWOOD GREENE
A J.A. JONES COMPANY
ENGINEERING & CONSTRUCTION

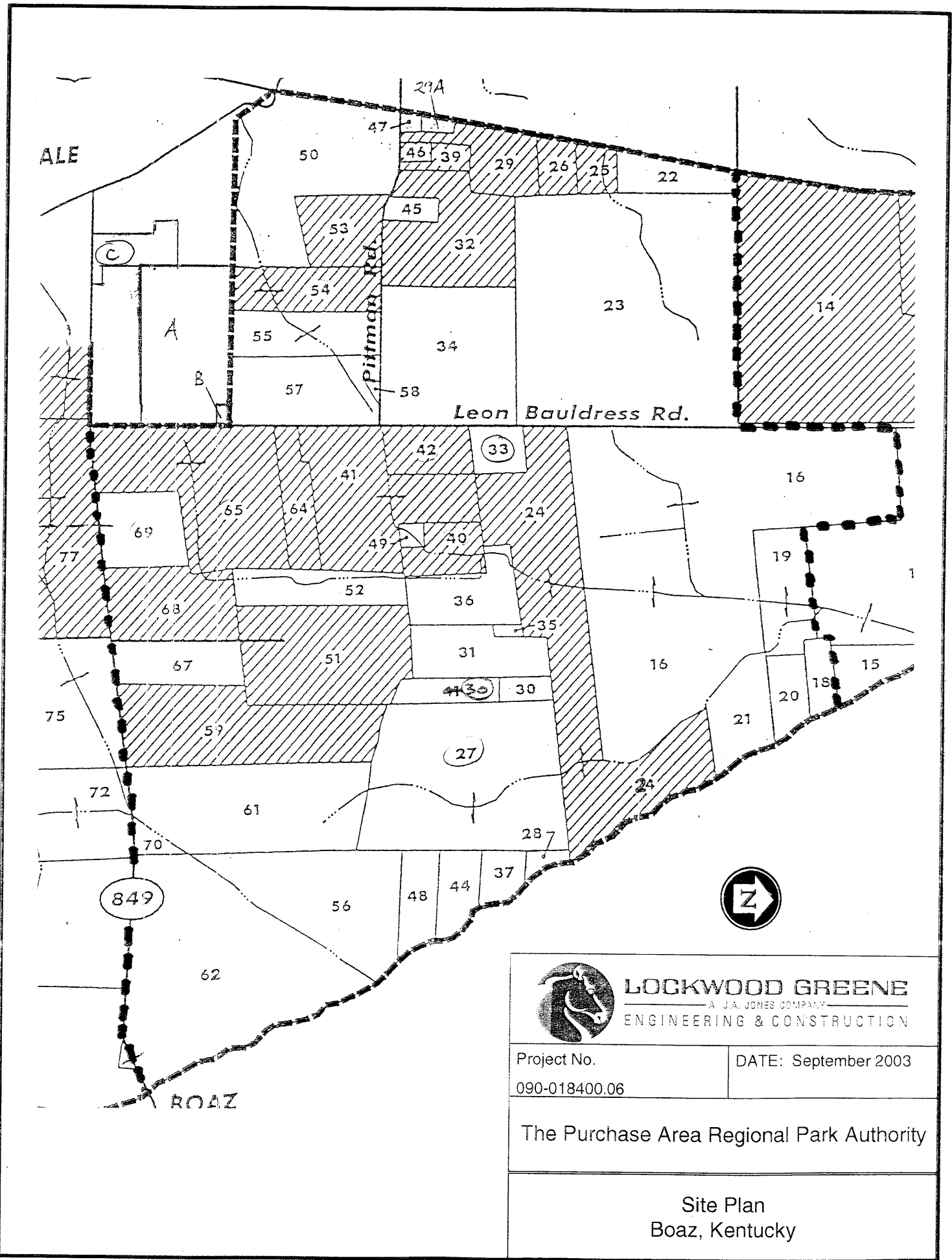
Project No.
 090-018400.06


DATE: September 2003

The Purchase Area Regional Park Authority

U.S.G.S. Topographic Map
 Melber, Kentucky Quad.

16.2 SITE PLAN



 LOCKWOOD GREENE <small>A J.A. JONES COMPANY</small> ENGINEERING & CONSTRUCTION	
Project No. 090-018400.06	DATE: September 2003
The Purchase Area Regional Park Authority	

Site Plan
Boaz, Kentucky

16.6 INTERVIEW DOCUMENTATION

ASTM TRANSACTION SCREEN QUESTIONNAIRE

Description of Site:

Person

Questioned: _____

_____ Owner

_____ Occupant

Preparer: Mr.

Question	Owner			Occupants (if applicable)			Observed During Site Visit		
	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
1. Is the <i>property</i> or any <i>adjoining property</i> used for an industrial use?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
2. To the best of your knowledge, has the <i>property</i> or any <i>adjoining property</i> been used for an industrial use in the past?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
3. Is the <i>property</i> or any <i>adjoining property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
4. To the best of your knowledge has the <i>property</i> or any <i>adjoining property</i> been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
5. Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded automotive or industrial batteries, or	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk

Question	Owner			Occupants (if applicable)			Observed During Site Visit		
pesticides, paints, or other chemicals in individual containers of greater than 5 gal (19 L) in volume of 50 gal (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?									
6. Are there currently, or to the best of your knowledge have there been previously, any industrial <i>drums</i> (typically 55 gal (208 L)) or sacks of chemicals located on the property or at the facility?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
7. Has <i>fill dirt</i> been brought onto the property that originated from a contaminated site or that is of an unknown origin?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
8. Are there currently, or to the best of your knowledge have there been previously, any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
9. Is there currently, or to the best of your knowledge has there been previously, any stained soil on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
10. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (<i>above or underground</i>) located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
11. Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk

Question	Owner			Occupants (if applicable)			Observed During Site Visit		
located on the <i>property</i> ?									
12. Are there currently, or to the best of your knowledge have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
13. If the <i>property</i> is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
14. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> have any knowledge of <i>environmental liens</i> or governmental notification relating to past or recurrent violations of environmental laws with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
15. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the past or current existence of <i>hazardous substances</i> or <i>petroleum products</i> or environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
16. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> have any knowledge of any <i>environmental site assessment</i> of the <i>property</i> of facility that indicated the presence of <i>hazardous substances</i> or <i>petroleum products</i> on, or contamination of, the <i>property</i> or recommended further assessment of the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk

Question	Owner			Occupants (if applicable)			Observed During Site Visit		
	Yes	No	Unk	Yes	No	Unk	Yes	No	Unk
17. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any <i>hazardous substance</i> or <i>petroleum products</i> involving the <i>property</i> by any owner or occupant of the <i>property</i> ?									
18. Does the <i>property</i> discharge waste water on or adjacent to the <i>property</i> other than storm water into a sanitary sewer system?									
19. To the best of your knowledge, have any <i>hazardous substances</i> or <i>petroleum products</i> , unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the <i>property</i> ?									
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?									

Notes:

Purchase Area Master Plan - Owner Interview Summary

	Glenn Beckham	Jennifer Beckham Houser	Sammie and Jeanette Bore	Perry and Ornela Boyd	David and Debbie Cissel	Jean and Betty Crawford	Mark and Donna Crawford	Milton and Betty Davenport*	Wendell Kevin Davenport	Hilge Henson	David and Lucille Leonard	Richard Leonard	Terry and Sandra Leonard	Mary Nell	David and Mary Ray	Elwanda Thurston	Kenneth Thurston	Nancy Thurston	Douglas and Pauline Wilcox	Eva Mae Wilson	Helen Wilson	Larry and Clarence Wilson
1. Is the property or any adjoining property used for an industrial use?	N	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2. To the best of your knowledge, has the property or any adjoining property been used for an industrial use in the past?	N	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3. Is the property or any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	N	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4. To the best of your knowledge, has the property or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	N	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	N
5. Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than 5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the property or at the facility?	N	N	N	N	N	N	N	U	N	N	N	N	N	N	Y	N	N	N	N	N	Y	N
6. Are there currently, or to the best of your knowledge have there been previously, any industrial drums (typically 55 gal (208L)) or sacks of chemicals located on the property or at the facility?	N	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
7. Has fill dirt been brought onto the property that originated from a contaminated site or that is of an unknown source?	N	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	N
8. Are there currently, or to the best of your knowledge have there been previously, any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?	N	N	N	N	N	N	N	U	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
9. Is there currently, or to the best of your knowledge has there been previously, any stained soil on the property?	N	N	N	N	N	N	N	U	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
10. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the property?	N	N	N	N	N	N	N	U	N	N	N	N	Y	N	Y	N	N	N	N	N	Y	N
11. Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?	N	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	U	N
12. Are there currently, or to the best of your knowledge have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	N	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	U	N
13. If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environment/health agency?	N	N	N	N	N	N	U	U	N	N	N	N	N	N	N	N	N	N	N	N	N	N
14. Does the owner or occupant of the property have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
15. Has the owner or occupant of the property been informed of the past or current existence of hazardous substances or petroleum products or environmental violations with respect to the property or any facility located on the property?	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
16. Does the owner or occupant of the property have any knowledge of environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
17. Does the owner or occupant of the property know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
18. Does the property discharge waste water on or adjacent to the property other than storm water into a sanitary sewer system?	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
19. To the best of your knowledge, have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the property?	N	N	N	N	N	N	U	U	N	N	N	N	N	N	N	N	N	N	N	N	U	N
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	N	N	N	N	N	N	U	N	N	N	N	N	N	N	N	N	N	N	N	N	U	N

* The Davenports were unavailable for interviewing

KY DEPARTMENT FOR ENVIRONMENTAL
 PROTECTION
 PADUCAH REGIONAL OFFICE
 4500 CLARKS RIVER ROAD
 PADUCAH, KY 42003-0823
 PHONE: (270)898-8468
 FAX: (270) 898-8640

FACSIMILE TRANSMITTAL SHEET

TO: <i>John Oster</i>	FROM: <i>Holly Lawrence</i>
COMPANY: <i>Hockwood Green</i>	DATE: <i>8/18/03</i>
FAX NUMBER: <i>404-818-8310</i>	TOTAL NO. OF PAGES INCLUDING COVER: <i>16</i>

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone. Thank you!

NOTES/COMMENTS:

Compliance inspection for North Graves Co., Inc. for past year.

Natural Resources and Environmental Protection Cabinet
 Department for Environmental Protection
 Division of Waste Management
Registered Permit-By-Rule Inspection Report
 CDD One Acre or Less

Site/Permit ID: 042-00024		Regional Office: Paducah	
Site Name: North GravesCo., Inc.		Program: Solid Waste	
Site Address: Highway 849		Mailing: 906 Harrison St., Paducah, KY 42001	
City: Boaz	State: Kentucky	Zip: 42027	County: Graves
Site Contact: Phil Joiner		Title: Owner	Phone #: 270/443-6619
Inspection Type: Routine	Purpose: Comprehensive		Not/Com #:
Inspection Date: 8/6/03	Time: Start 2:00 p.m. End 2:20 p.m.		
Latitude: 36° 53' 7.7"	Longitude: 88° 37' 52.4"		
Coordinate Collection Method: GPS Point Average +/- 40 Meters			

I. Administrative Requirements

- | | | |
|--|------------|------------------------|
| 1. Registration submitted | 47:110 § 1 | No Violations Observed |
| 2. Operations consistent with registration | 47:110 § 2 | No Violations Observed |

Comments:

No problems were noted at this site.

Compliance Status - No Violations Observed

II. Operator Certification/Accreditation Requirements

Comments:

Compliance Status - Not Applicable

III. Record Keeping Requirements

- | | | |
|---|---------------|------------------------|
| 1. Records on amount, source, and types of municipal waste maintained | 47:110 § 2(3) | No Violations Observed |
| 2. Quarterly reports maintained | 47:110 § 2(3) | No Violations Observed |
| 3. Annual report maintained (incinerators, commercial recyclers) | 47:110 § 2(4) | Not Applicable |
| 4. Volume of ash and weekly TCLP (incinerators only) | 47:110 § 2(4) | Not Applicable |

Comments:

Compliance Status - No Violations Observed

IV. Reporting Requirements

Comments:

Compliance Status - Not Applicable

V. Operation & Maintenance/Performance Requirements
--

1. No open burning	30:031 § 9(1)	No Violations Observed
2. Site does not pose a fire hazard	30:031 § 10(2)	No Violations Observed
3. Explosive gasses controlled	30:031 § 10(1)	Not Inspected
4. No violations of Air Quality standards	30:031 § 9(2)	Not Inspected
5. Access controlled	30:031 § 10(3)	No Violations Observed
6. Litter and other debris controlled	30:031 § 11	No Violations Observed
7. Prevention and control of disease vectors	30:031 § 8	No Violations Observed
8. No surface water discharges in violation of water quality standards	30:031 § 4	No Violations Observed
9. No groundwater contamination in excess of standards	30:031 § 5	Not Inspected
10. No washout of waste or restriction of 100 year Floodplain	30:031 § 2	No Violations Observed
11. No effect on endangered species or habitat	30:031 § 3	No Violations Observed
12. Site not located in wetlands	30:031 § 12	No Violations Observed
13. Site does not allow contamination of karst terrain	30:031 § 13	Not Applicable
14. No unauthorized waste accepted	47:110 § 2(1)(a)	No Violations Observed

ADDITIONAL STANDARDS FOR CDD < 1 ACRE

15. Site is < 1 acre	KRS 224.40-120	No Violations Observed
16. Sign containing registration number, operating hours, CDD waste restriction	KRS 224.40-120	No Violations Observed
17. Certification of compliance with local land use standards	KRS 224.40-120	No Violations Observed
18. Disposal only during daylight in accordance with posted hours	KRS 224.40-120	No Violations Observed
19. \$10,000 bond posted	KRS 224 40-120	No Violations Observed
20. No tires or other unauthorized waste	KRS 224.40-120	No Violations Observed
21. Quarterly reports submitted to Division's Solid Waste Branch	47:110 § 2(3)	Not Inspected

ADDITIONAL STANDARDS FOR LANDFARMING SITE

22. pH of waste and soil is 6.5 or greater at time of application (unless Cadmium level is ≤ 2 mg/kg)	47:030 § 7(1)	Not Applicable
23. Application rates for Cadmium not exceeded	47:030 § 7(1)	Not Applicable
24. Plan to preclude human ingestion of crops grown for animal feed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
25. Notice in deed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
26. No application of PCB's ≥ 1 ppm	47:030 § 8	Not Applicable

Comments:

Compliance Status - No Violations Observed

VI. Discharge/Emission Compliance
--

Comments:

Compliance Status - Not Applicable

VII. Monitoring/Analyses Evaluation

Comments:

Compliance Status - Not Applicable

VIII. Environmental/Human Health Impact

Comments:

Compliance Status - Not Applicable

IX. Documentation

- Photos taken
- Record of visual determination of opacity
- Documents Obtained From Facility
- Samples taken by DEP
- Samples taken by outside source
- Regional Office instrument readings taken
- Other documentation
- Site Hazard Assessment completed and attached

Comments:

Inspector: <i>Holly Lawrence</i> ⁶²⁰ Holly Lawrence	Title: Environmental Inspector II	Date: 8/7/03
---	-----------------------------------	--------------

Overall Compliance Status
<input checked="" type="checkbox"/> No violations observed
<input type="checkbox"/> No violations observed but impending violation trends observed – Advisory Action Taken
<input type="checkbox"/> Out of Compliance. Non-recurrent deficiency noted – Verbal notice given or violation corrected at time of inspection.
<input type="checkbox"/> Out of Compliance. Non-recurrent administrative or O & M deficiency noted – Warning Notice issued
<input type="checkbox"/> Out of Compliance – NOV issued

Received By: Phil Joiner	Title: Owner	Date:
Delivery Method: Regular Mail		

Natural Resources and Environmental Protection Cabinet
 Department for Environmental Protection
 Division of Waste Management

COPY

Registered Permit-By-Rule Inspection Report

CDD One Acre or Less

Site/Permit ID: 042-00024			Regional Office: Paducah		
Site Name: North Graves Co, Inc.			Program: Solid Waste		
Site Address: Highway 849					
City: Boaz		State: Kentucky	Zip: 42027	County: Graves	
Site Contact: Phil Joiner		Title: Owner		Phone #: 270/443-6619	
Inspection Type: Routine		Purpose: Comprehensive		Not/Com #:	
Inspection Date: 9/21/01		Time: Start 2:50 p.m. End 3:00 p.m.			
Latitude: 36° 53' 7.7"		Longitude: 88° 37' 52.4"			
Coordinate Collection Method: GPS +/- 90 Meters					

I. Administrative Requirements

- | | | |
|--|------------|------------------------|
| 1. Registration submitted | 47:110 § 1 | No Violations Observed |
| 2. Operations consistent with registration | 47:110 § 2 | Out of Compliance |
- Comments: Unauthorized waste, debris not controlled, acre not marked, waste not properly covered.**

Compliance Status - Out of Compliance - NOV Issued

II. Operator Certification/Accreditation Requirements

Comments:

Compliance Status - Not Applicable

III. Record Keeping Requirements

- | | | |
|---|---------------|----------------|
| 1. Records on amount, source, and types of municipal waste maintained | 47:110 § 2(3) | Not Inspected |
| 2. Quarterly reports maintained | 47:110 § 2(3) | Not Inspected |
| 3. Annual report maintained (incinerators, commercial recyclers) | 47:110 § 2(4) | Not Applicable |
| 4. Volume of ash and weekly TCLP (incinerators only) | 47:110 § 2(4) | Not Applicable |

Comments:

Compliance Status - Did Not Inspect

IV. Reporting Requirements

Comments:

Compliance Status - Not Applicable

V. Operation & Maintenance/Performance Requirements

1. No open burning	30:031 § 9(1)	No Violations Observed
2. Site does not pose a fire hazard	30:031 § 10(2)	Out of Compliance
3. Explosive gasses controlled	30:031 § 10(1)	Not Inspected
4. No violations of Air Quality standards	30:031 § 9(2)	Not Inspected
5. Access controlled	30:031 § 10(3)	No Violations Observed
6. Litter and other debris controlled	30:031 § 11	Out of Compliance
7. Prevention and control of disease vectors	30:031 § 8	No Violations Observed
8. No surface water discharges in violation of water quality standards	30:031 § 4	No Violations Observed
9. No groundwater contamination in excess of standards	30:031 § 5	Not Inspected
10. No washout of waste or restriction of 100 year Floodplain	30:031 § 2	No Violations Observed
11. No effect on endangered species or habitat	30:031 § 3	No Violations Observed
12. Site not located in wetlands	30:031 § 12	No Violations Observed
13. Site does not allow contamination of karst terrain	30:031 § 13	Not Applicable
14. No unauthorized waste accepted	47:110 § 2(1)(a)	Out of Compliance

ADDITIONAL STANDARDS FOR CDD < 1 ACRE

15. Site is < 1 acre	KRS 224.40-120	Out of Compliance
16. Sign containing registration number, operating hours, CDD waste restriction	KRS 224.40-120	No Violations Observed
17. Certification of compliance with local land use standards	KRS 224.40-120	No Violations Observed
18. Disposal only during daylight in accordance with posted hours	KRS 224.40-120	No Violations Observed
19. \$10,000 bond posted	KRS 224.40-120	No Violations Observed
20. No tires or other unauthorized waste	KRS 224.40-120	Out of Compliance
21. Quarterly reports submitted to Division's Solid Waste Branch	47:110 § 2(3)	No Violations Observed

ADDITIONAL STANDARDS FOR LANDFARMING SITE

22. pH of waste and soil is 6.5 or greater at time of application (unless Cadmium level is ≤ 2 mg/kg)	47:030 § 7(1)	Not Applicable
23. Application rates for Cadmium not exceeded	47:030 § 7(1)	Not Applicable
24. Plan to preclude human ingestion of crops grown for animal feed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
25. Notice in deed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
26. No application of PCB's ≥ 1 ppm	47:030 § 8	Not Applicable

Comments: Fire hazard, in addition to items listed on previous page.

Compliance Status - Out of Compliance - NOV Issued

VI. Discharge/Emission Compliance

Comments:

Compliance Status - Not Applicable

VII. Monitoring/Analyses Evaluation

Comments:

Compliance Status - Not Applicable

VIII. Environmental/Human Health Impact


Comments:

Compliance Status - Not Applicable

IX. Documentation

- Photos taken
 Record of visual determination of opacity
 Documents Obtained From Facility
 Samples taken by DEP
 Samples taken by outside source
 Regional Office instrument readings taken
 Other documentation
 Site Hazard Assessment completed and attached

Comments:

Inspector:  Holly Lawrence	Title: Environmental Inspector I	Date: 9/21/01
---	----------------------------------	---------------

Overall Compliance Status

- No violations observed
 No violations observed but impending violation trends observed – Advisory Action Taken
 Out of Compliance. Non-recurrent deficiency noted – Verbal notice given or violation corrected at time of inspection.
 Out of Compliance. Non-recurrent administrative or O & M deficiency noted – Warning Notice issued
 Out of Compliance – NOV issued

Received By: Phil Joiner	Title: Owner	Date: 9/28/01
Delivery Method: Certified Mail #7000 0600 0027 6369 0835		

Natural Resources and Environmental Protection Cabinet
 Department for Environmental Protection
 Division of Waste Management
Registered Permit-By-Rule Inspection Report
 CDD One Acre or Less

COPY

Site/Permit ID: 042-00024		Regional Office: Paducah	
Site Name: North GravesCo., Inc.		Program: Solid Waste	
Site Address: Highway 849		Mailing: 906 Harrison St., Paducah, KY 42001	
City: Boaz	State: Kentucky	Zip: 42027	County: Graves
Site Contact: Phil Joiner		Title: Owner	Phone #: 270/443-6619
Inspection Type: Routine	Purpose: Comprehensive		Not/Com #:
Inspection Date: 5/22/03	Time: Start 3:30 p.m. End 3:45 p.m.		
Latitude: 36° 53' 7.7"	Longitude: 88° 37' 52.4"		
Coordinate Collection Method: GPS Point Average +/- 40 Meters			

I. Administrative Requirements

- | | | |
|--|------------|------------------------|
| 1. Registration submitted | 47:110 § 1 | No Violations Observed |
| 2. Operations consistent with registration | 47:110 § 2 | No Violations Observed |

Comments:

No problems were noted at this site.

Compliance Status - No Violations Observed

II. Operator Certification/Accreditation Requirements

Comments:

Compliance Status - Not Applicable

III. Record Keeping Requirements

- | | | |
|---|---------------|------------------------|
| 1. Records on amount, source, and types of municipal waste maintained | 47:110 § 2(3) | No Violations Observed |
| 2. Quarterly reports maintained | 47:110 § 2(3) | No Violations Observed |
| 3. Annual report maintained (incinerators, commercial recyclers) | 47:110 § 2(4) | Not Applicable |
| 4. Volume of ash and weekly TCLP (incinerators only) | 47:110 § 2(4) | Not Applicable |

Comments:

I reviewed the Environmental Remediation Fee Reporting and Submittal Form.

Compliance Status - No Violations Observed

IV. Reporting Requirements

Comments:

Compliance Status - Not Applicable

V. Operation & Maintenance/Performance Requirements
--

1. No open burning	30:031 § 9(1)	No Violations Observed
2. Site does not pose a fire hazard	30:031 § 10(2)	No Violations Observed
3. Explosive gasses controlled	30:031 § 10(1)	Not Inspected
4. No violations of Air Quality standards	30:031 § 9(2)	Not Inspected
5. Access controlled	30:031 § 10(3)	No Violations Observed
6. Litter and other debris controlled	30:031 § 11	No Violations Observed
7. Prevention and control of disease vectors	30:031 § 8	No Violations Observed
8. No surface water discharges in violation of water quality standards	30:031 § 4	No Violations Observed
9. No groundwater contamination in excess of standards	30:031 § 5	Not Inspected
10. No washout of waste or restriction of 100 year Floodplain	30:031 § 2	No Violations Observed
11. No effect on endangered species or habitat	30:031 § 3	No Violations Observed
12. Site not located in wetlands	30:031 § 12	No Violations Observed
13. Site does not allow contamination of karst terrain	30:031 § 13	Not Applicable
14. No unauthorized waste accepted	47:110 § 2(1)(a)	No Violations Observed
ADDITIONAL STANDARDS FOR CDD < 1 ACRE		
15. Site is < 1 acre	KRS 224.40-120	No Violations Observed
16. Sign containing registration number, operating hours, CDD waste restriction	KRS 224.40-120	No Violations Observed
17. Certification of compliance with local land use standards	KRS 224.40-120	No Violations Observed
18. Disposal only during daylight in accordance with posted hours	KRS 224.40-120	No Violations Observed
19. \$10,000 bond posted	KRS 224 40-120	No Violations Observed
20. No tires or other unauthorized waste	KRS 224.40-120	No Violations Observed
21. Quarterly reports submitted to Division's Solid Waste Branch	47:110 § 2(3)	Not Inspected
ADDITIONAL STANDARDS FOR LANDFARMING SITE		
22. pH of waste and soil is 6.5 or greater at time of application (unless Cadmium level is ≤ 2 mg/kg)	47:030 § 7(1)	Not Applicable
23. Application rates for Cadmium not exceeded	47:030 § 7(1)	Not Applicable
24. Plan to preclude human ingestion of crops grown for animal feed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
25. Notice in deed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
26. No application of PCB's ≥ 1 ppm	47:030 § 8	Not Applicable

Comments:

Compliance Status - No Violations Observed

VI. Discharge/Emission Compliance
--

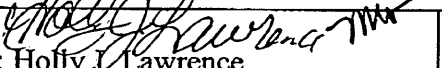
Comments:

Compliance Status - Not Applicable

VII. Monitoring/Analyses Evaluation**Comments:****Compliance Status - Not Applicable****VIII. Environmental/Human Health Impact****Comments:****Compliance Status - Not Applicable****IX. Documentation**

- Photos taken
- Record of visual determination of opacity
- Documents Obtained From Facility
- Samples taken by DEP
- Samples taken by outside source
- Regional Office instrument readings taken
- Other documentation
- Site Hazard Assessment completed and attached

Comments:

Inspector:  Holly J. Lawrence	Title: Environmental Inspector II	Date: 5/22/03
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Overall Compliance Status

 No violations observed **No violations observed but impending violation trends observed – Advisory Action Taken** **Out of Compliance. Non-recurrent deficiency noted – Verbal notice given or violation corrected at time of inspection.** **Out of Compliance. Non-recurrent administrative or O & M deficiency noted – Warning Notice issued** **Out of Compliance – NOV issued**

Received By: Phil Joiner	Title: Owner	Date: 6/27/03
Delivery Method: Regular Mail		

COPY

Natural Resources and Environmental Protection Cabinet
 Department for Environmental Protection
 Division of Waste Management
Registered Permit-By-Rule Inspection Report
 CDD One Acre or Less

Site/Permit ID: 042-00024		Regional Office: Paducah	
Site Name: North GravesCo., Inc.		Program: Solid Waste	
Site Address: Highway 849		Mailing: 906 Harrison St., Paducah, KY 42001	
City: Boaz	State: Kentucky	Zip: 42027	County: Graves
Site Contact: Phil Joiner		Title: Owner	Phone #: 270/443-6619
Inspection Type: Routine	Purpose: Comprehensive		Not/Com #:
Inspection Date: 1/21/03	Time: Start 2:30 p.m. End 2:45 p.m.		
Latitude: 36° 53' 7.7"	Longitude: 88° 37' 52.4"		
Coordinate Collection Method: GPS Point Average +/- 40 Meters			

I. Administrative Requirements

- | | | |
|--|------------|------------------------|
| 1. Registration submitted | 47:110 § 1 | No Violations Observed |
| 2. Operations consistent with registration | 47:110 § 2 | No Violations Observed |

Comments:

No problems were noted at this site.

Compliance Status - No Violations Observed**II. Operator Certification/Accreditation Requirements****Comments:****Compliance Status - Not Applicable****III. Record Keeping Requirements**

- | | | |
|---|---------------|------------------------|
| 1. Records on amount, source, and types of municipal waste maintained | 47:110 § 2(3) | No Violations Observed |
| 2. Quarterly reports maintained | 47:110 § 2(3) | No Violations Observed |
| 3. Annual report maintained (incinerators, commercial recyclers) | 47:110 § 2(4) | Not Applicable |
| 4. Volume of ash and weekly TCLP (incinerators only) | 47:110 § 2(4) | Not Applicable |

Comments:

Daily and quarterly reports were mailed into the Paducah Regional Office.

Compliance Status - No Violations Observed**IV. Reporting Requirements****Comments:****Compliance Status - Not Applicable**

V. Operation & Maintenance/Performance Requirements
--

1. No open burning	30:031 § 9(1)	No Violations Observed
2. Site does not pose a fire hazard	30:031 § 10(2)	No Violations Observed
3. Explosive gasses controlled	30:031 § 10(1)	Not Inspected
4. No violations of Air Quality standards	30:031 § 9(2)	Not Inspected
5. Access controlled	30:031 § 10(3)	No Violations Observed
6. Litter and other debris controlled	30:031 § 11	No Violations Observed
7. Prevention and control of disease vectors	30:031 § 8	No Violations Observed
8. No surface water discharges in violation of water quality standards	30:031 § 4	No Violations Observed
9. No groundwater contamination in excess of standards	30:031 § 5	Not Inspected
10. No washout of waste or restriction of 100 year Floodplain	30:031 § 2	No Violations Observed
11. No effect on endangered species or habitat	30:031 § 3	No Violations Observed
12. Site not located in wetlands	30:031 § 12	No Violations Observed
13. Site does not allow contamination of karst terrain	30:031 § 13	Not Applicable
14. No unauthorized waste accepted	47:110 § 2(1)(a)	No Violations Observed

ADDITIONAL STANDARDS FOR CDD < 1 ACRE

15. Site is < 1 acre	KRS 224.40-120	No Violations Observed
16. Sign containing registration number, operating hours, CDD waste restriction	KRS 224.40-120	No Violations Observed
17. Certification of compliance with local land use standards	KRS 224.40-120	No Violations Observed
18. Disposal only during daylight in accordance with posted hours	KRS 224.40-120	No Violations Observed
19. \$10,000 bond posted	KRS 224 40-120	No Violations Observed
20. No tires or other unauthorized waste	KRS 224.40-120	No Violations Observed
21. Quarterly reports submitted to Division's Solid Waste Branch	47:110 § 2(3)	Not Inspected

ADDITIONAL STANDARDS FOR LANDFARMING SITE

22. pH of waste and soil is 6.5 or greater at time of application (unless Cadmium level is ≤ 2 mg/kg)	47:030 § 7(1)	Not Applicable
23. Application rates for Cadmium not exceeded	47:030 § 7(1)	Not Applicable
24. Plan to preclude human ingestion of crops grown for animal feed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
25. Notice in deed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
26. No application of PCB's ≥ 1 ppm	47:030 § 8	Not Applicable

Comments:

Compliance Status - No Violations Observed

VI. Discharge/Emission Compliance
--

Comments:

Compliance Status - Not Applicable

VII. Monitoring/Analyses Evaluation

Comments:

Compliance Status - Not Applicable

VIII. Environmental/Human Health Impact

Comments:

Compliance Status - Not Applicable

IX. Documentation

- Photos taken
- Record of visual determination of opacity
- Documents Obtained From Facility
- Samples taken by DEP
- Samples taken by outside source
- Regional Office instrument readings taken
- Other documentation
- Site Hazard Assessment completed and attached

Comments:

Waste receipts were provided for the unauthorized waste.

Inspector: <i>Holly J. Lawrence</i> Inspector: Holly J. Lawrence	Title: Environmental Inspector II	Date: 1/31/03
---	-----------------------------------	---------------

Overall Compliance Status

- No violations observed**
- No violations observed but impending violation trends observed – Advisory Action Taken**
- Out of Compliance. Non-recurrent deficiency noted – Verbal notice given or violation corrected at time of inspection.**
- Out of Compliance. Non-recurrent administrative or O & M deficiency noted – Warning Notice issued**
- Out of Compliance – NOV issued**

Received By: Phil Joiner	Title: Owner	Date: 2/3/03
Delivery Method: Regular Mail		

Natural Resources and Environmental Protection Cabinet
 Department for Environmental Protection
 Division of Waste Management
Registered Permit-By-Rule Inspection Report
 CDD One Acre or Less

COPY

Site/Permit ID: 042-00024		Regional Office: Paducah	
Site Name: North GravesCo., Inc.		Program: Solid Waste	
Site Address: Highway 849		Mailing: 906 Harrison St., Paducah, KY 42001	
City: Boaz	State: Kentucky	Zip: 42027	County: Graves
Site Contact: Phil Joiner		Title: Owner	Phone #: 270/443-6619
Inspection Type: Routine	Purpose: Comprehensive		Not/Com #:
Inspection Date: 11/26/02	Time: Start 3:30 p.m. End 4:00 p.m.		
Latitude: 36° 53' 7.7"	Longitude: 88° 37' 52.4"		
Coordinate Collection Method: GPS Point Average +/- 40 Meters			

I. Administrative Requirements

- | | | |
|--|------------|------------------------|
| 1. Registration submitted | 47:110 § 1 | No Violations Observed |
| 2. Operations consistent with registration | 47:110 § 2 | No Violations Observed |
- Comments:**

Compliance Status - No Violations Observed

II. Operator Certification/Accreditation Requirements

Comments:

Compliance Status - Not Applicable

III. Record Keeping Requirements

- | | | |
|---|---------------|------------------------|
| 1. Records on amount, source, and types of municipal waste maintained | 47:110 § 2(3) | No Violations Observed |
| 2. Quarterly reports maintained | 47:110 § 2(3) | No Violations Observed |
| 3. Annual report maintained (incinerators, commercial recyclers) | 47:110 § 2(4) | Not Applicable |
| 4. Volume of ash and weekly TCLP (incinerators only) | 47:110 § 2(4) | Not Applicable |
- Comments:**

Compliance Status - No Violations Observed

IV. Reporting Requirements

Comments:

Compliance Status - Not Applicable

V. Operation & Maintenance/Performance Requirements

1. No open burning	30:031 § 9(1)	No Violations Observed
2. Site does not pose a fire hazard	30:031 § 10(2)	No Violations Observed
3. Explosive gasses controlled	30:031 § 10(1)	Not Inspected
4. No violations of Air Quality standards	30:031 § 9(2)	Not Inspected
5. Access controlled	30:031 § 10(3)	No Violations Observed
6. Litter and other debris controlled	30:031 § 11	No Violations Observed
7. Prevention and control of disease vectors	30:031 § 8	No Violations Observed
8. No surface water discharges in violation of water quality standards	30:031 § 4	No Violations Observed
9. No groundwater contamination in excess of standards	30:031 § 5	Not Inspected
10. No washout of waste or restriction of 100 year Floodplain	30:031 § 2	No Violations Observed
11. No effect on endangered species or habitat	30:031 § 3	No Violations Observed
12. Site not located in wetlands	30:031 § 12	No Violations Observed
13. Site does not allow contamination of karst terrain	30:031 § 13	Not Applicable
14. No unauthorized waste accepted	47:110 § 2(1)(a)	No Violations Observed

ADDITIONAL STANDARDS FOR CDD < 1 ACRE

15. Site is < 1 acre	KRS 224.40-120	No Violations Observed
16. Sign containing registration number, operating hours, CDD waste restriction	KRS 224.40-120	No Violations Observed
17. Certification of compliance with local land use standards	KRS 224.40-120	No Violations Observed
18. Disposal only during daylight in accordance with posted hours	KRS 224.40-120	No Violations Observed
19. \$10,000 bond posted	KRS 224.40-120	No Violations Observed
20. No tires or other unauthorized waste	KRS 224.40-120	No Violations Observed
21. Quarterly reports submitted to Division's Solid Waste Branch	47:110 § 2(3)	Not Inspected

ADDITIONAL STANDARDS FOR LANDFARMING SITE

22. pH of waste and soil is 6.5 or greater at time of application (unless Cadmium level is ≤ 2 mg/kg)	47:030 § 7(1)	Not Applicable
23. Application rates for Cadmium not exceeded	47:030 § 7(1)	Not Applicable
24. Plan to preclude human ingestion of crops grown for animal feed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
25. Notice in deed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
26. No application of PCB's ≥ 1 ppm	47:030 § 8	Not Applicable

Comments:**Compliance Status - No Violations Observed****VI. Discharge/Emission Compliance****Comments:****Compliance Status - Not Applicable**

VII. Monitoring/Analyses Evaluation**Comments:**

Compliance Status - Not Applicable

VIII. Environmental/Human Health Impact**Comments:**

Compliance Status - Not Applicable

IX. Documentation

- Photos taken
 Record of visual determination of opacity
 Documents Obtained From Facility
 Samples taken by DEP
 Samples taken by outside source
 Regional Office instrument readings taken
 Other documentation
 Site Hazard Assessment completed and attached

Comments:

Waste receipts were provided for the unauthorized waste.

Inspector: <i>Holly Lawrence</i> Holly Lawrence	Title: Environmental Inspector II	Date: 11/26/02
--	-----------------------------------	----------------

Overall Compliance Status

- No violations observed**
 No violations observed but impending violation trends observed – Advisory Action Taken
 Out of Compliance. Non-recurrent deficiency noted – Verbal notice given or violation corrected at time of inspection.
 Out of Compliance. Non-recurrent administrative or O & M deficiency noted – Warning Notice issued
 Out of Compliance – NOV issued

Received By: Phil Joiner	Title: Owner	Date: 12/6/02
Delivery Method: Regular Mail		

Natural Resources and Environmental Protection Cabinet
 Department for Environmental Protection
 Division of Waste Management
Site Inspection Report

Site/Permit ID: 042-00027		Regional Office: PADUCAH	
Site Name: BENS RECYCLING		Program: SOLID WASTE	
Site Address: BALDREE ROAD (SITE) 12180 STATE ROUTE 45			
City: BOAZ	State: Kentucky	Zip: 42027	County: GRAVES
Site Contact: BENNIE WILSON		Title: OWNER	Phone #: 270-856-4052
Inspection Type: Routine	Purpose: Non-comprehensive		Not/Com #:
Inspection Date: 5/30/02	Time: Start 1510 p.m. End 1520 p.m.		
Latitude: 36° 54' 23.0"	Longitude: 88° 40' 21.9"		
Coordinate Collection Method: GPS Point Average +/- 40 Meters			
Type of Site: PEPSI PRODUCTS RECYCLER			

I. Investigation Results
Findings/Violations/Recommendations:

Drove by site with Margie Williams. There didn't appear to be any problems with scattered trash or debris associated with the recycling operation.

Compliance Status - No Violations Observed

II. Comments Including Remedial Measures and Expected Correction Dates
Comments:
III. Environmental/Human Health Impact
Findings/Violations/Recommendations:

Compliance Status - Not Applicable

IV. Documentation

- Photos taken
- Record of visual determination of opacity
- Documents Obtained From Facility
- Samples taken by DEP
- Samples taken by outside source
- Regional Office instrument readings taken
- Other documentation
- Site Hazard Assessment Completed and Attached

Comments:

Inspector: GARY MORGAN <i>mm</i>	Title: Environmental Inspector III	Date: 6/11/2002
----------------------------------	------------------------------------	-----------------

Overall Compliance Status
<input checked="" type="checkbox"/> No violations observed
<input type="checkbox"/> No violations observed but impending violation trends observed – Advisory Action Taken
<input type="checkbox"/> Out of Compliance. Non-recurrent deficiency noted – Verbal notice given or violation corrected at time of inspection.
<input type="checkbox"/> Out of Compliance. Non-recurrent administrative or O & M deficiency noted – Warning Notice issued
<input type="checkbox"/> Out of Compliance – NOV issued

Received By: BENNIE WILSON	Title: OWNER	Date:
Delivery Method: Regular Mail		

**Personal Protective Equipment (PPE)
Worksite Hazard Assessment**

Part A	
Site ID: <u>Ben Recycling</u>	NOT/COM #: GPS: _____
Part B	
Circle Hazard/s Located at the Site being Assessed Sufficient to Require PPE. Comment in Part C.	
I. HEAD <u>POTENTIAL INJURY/HAZARD</u> 1. Struck By 2. Struck Against 3. Electrical 4. Temperature 5. Other _____	II. EYES/FACE <u>POTENTIAL INJURY/HAZARD</u> 1. Airborne 2. Chemical 3. Flash/Light/UV 4. Other _____
III. RESPIRATORY <u>POTENTIAL INJURY/HAZARD</u> 1. Oxygen Deficiency 2. Airborne Particles a. Dusts b. Fumes c. Mists 3. Airborne Contaminants a. Gases b. Vapors 4. Combinations 5. Temperature 6. Other _____	IV. HAND/ARM <u>POTENTIAL INJURY/HAZARD</u> 1. Cut/Abrasion/Puncture/Crush 2. Electrical 3. Chemical 4. Biological 5. Temperature 6. Body Fluids 7. Cumulative 8. Strain 9. Other _____
V. FOOT/LEG <u>POTENTIAL INJURY/HAZARD</u> 1. Cut/Abrasion/Puncture/Crush 2. Electrical 3. Chemical 4. Biological 5. Temperature 6. Struck by/Against 7. Strain 8. Other _____	VI. TORSO/WHOLE BODY <u>POTENTIAL INJURY/HAZARD</u> 1. Cut/Abrasion/Puncture 2. Electrical 3. Chemical 4. Biological 5. Temperature 6. Struck By/Against 7. Body Fluids 8. Strain 9. Cumulative 10. Slip/Trip/Fall a. Same Level b. Different Level 11. Entrapment 12. Immersion/Submersion/Water 13. Other _____
VII. AUDITORY <u>NOISE LEVEL</u> 1. Ambient Level Above 85 dBa 2. Impact Level Above 85 dBa	
PART C <u>GO/NO GO</u> COMMENTS	
PART D CERTIFICATION I certify this WORKSITE HAZARD ASSESSMENT was conducted and/or current files reviewed. Appropriate Personal Protective Equipment was utilized per hazards noted or anticipated.	
Signature _____	Date <u>05/30/2002</u>

Natural Resources and Environmental Protection Cabinet
 Department for Environmental Protection
 Division of Waste Management
Registered Permit-By-Rule Inspection Report
 Commercial Recycling Center

Site/Permit ID: 042-00027		Regional Office: PADUCAH	
Site Name: BENS RECYCLING		Program: SW	
Site Address: BALDREE ROAD			
City: HICKORY	State: Kentucky	Zip: 42051	County: GRAVES
Site Contact: BENNIE WILSON		Title: OWNER	Phone #: 270-856-4052
Inspection Type: CEI	Purpose: Follow Up		Not/Com #:
Inspection Date: 1/8/01	Time: Start 9:00 a.m. End 10:00 a.m.		
Latitude: 36° 54' 23.0"	Longitude: 88° 40' 21.9"		
Coordinate Collection Method: GPS +/- 90 Meters			

I. Administrative Requirements

- | | | |
|--|------------|---------------|
| 1. Registration submitted | 47:110 § 1 | In Compliance |
| 2. Operations consistent with registration | 47:110 § 2 | In Compliance |

Comments:

Compliance Status - In Compliance

II. Operator Certification/Accreditation Requirements

Comments:

Compliance Status - Not Applicable

III. Record Keeping Requirements

- | | | |
|---|---------------|----------------|
| 1. Records on amount, source, and types of municipal waste maintained | 47:110 § 2(3) | Not Applicable |
| 2. Quarterly reports maintained | 47:110 § 2(3) | In Compliance |
| 3. Annual report maintained
(convenience centers, transfer stations, incinerators, commercial recyclers) | 47:110 § 2(4) | Not Applicable |
| 4. Volume of ash and weekly TCLP (incinerators only) | 47:110 § 2(4) | Not Applicable |

Comments:

Compliance Status - In Compliance

IV. Reporting Requirements

Comments:

Compliance Status - Not Applicab.**V. Operation & Maintenance/Performance Requirements**

1. No open burning	31:030 § 9(1)	In Compliance
2. Site does not pose a fire hazard	31:030 § 10(2)	In Compliance
3. Explosive gasses controlled	31:030 § 10(1)	In Compliance
4. No violations of Air Quality standards	31:030 § 9(2)	In Compliance
5. Access controlled	31:030 § 10(3)	In Compliance
6. Litter and other debris controlled	31:030 § 11	Out of Compliance
7. Prevention and control of disease vectors	31:030 § 8	In Compliance
8. No surface water discharges in violation of water quality standards	31:030 § 4	In Compliance
9. No groundwater contamination in excess of standards	31:030 § 5	Not Inspected
10. No washout of waste or restriction of 100 year Floodplain	31:030 § 2	In Compliance
11. No effect on endangered species or habitat	31:030 § 3	In Compliance
12. Site not located in wetlands	31:030 § 12	In Compliance
13. Site does not allow contamination of karst terrain	31:030 § 13	Not Applicable
14. No unauthorized waste accepted	47:110 § 2(1)(a)	In Compliance

ADDITIONAL STANDARDS FOR CDD < 1 ACRE

1. Site is < 1 acre	KRS 224.40-120	Not Applicable
2. Sign containing registration number, operating hours, CDD waste restriction	KRS 224.40-120	Not Applicable
3. Certification of compliance with local land use standards	KRS 224.40-120	Not Applicable
4. Disposal only during daylight in accordance with posted hours	KRS 224.40-120	Not Applicable
5. \$10,000 bond posted	KRS 224.40-120	Not Applicable
6. No tires or other unauthorized waste	KRS 224.40-120	Not Applicable
7. Quarterly reports submitted to Division's Solid Waste Branch	47:110 § 2(3)	Not Applicable

ADDITIONAL STANDARDS FOR LANDFARMING SITE

1. pH of waste and soil is 6.5 or greater at time of application (unless Cadmium level is ≤ 2 mg/kg)	47:030 § 7(1)	Not Applicable
2. Application rates for Cadmium not exceeded	47:030 § 7(1)	Not Applicable
3. Plan to preclude human ingestion of crops grown for animal feed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
4. Notice in deed when unlimited Cadmium is applied	47:030 § 7(2)	Not Applicable
5. No application of PCB's ≥ 1 ppm	47:030 § 8	Not Applicable

Comments: Litter was observed frozen on ground. Will be picked up as soon as ground thaws.

Compliance Status - Out of Compliance - Verbal Notice Given

VI. Discharge/Emission Compliance

Comments:**Compliance Status - Not Applicable****VII. Monitoring/Analyses Evaluation****Comments:****Compliance Status - Not Applicable****VIII. Environmental/Human Health Impact****Comments:****Compliance Status - Not Applicable****IX. Documentation**

- Photos taken
 Record of visual determination of opacity
 Documents Obtained From Facility
 Samples taken by DEP
 Samples taken by outside source
 Regional Office instrument readings taken
 Other documentation
 Site Hazard Assessment completed and attached

Comments:

Inspector: Gary Morgan

Title: Environmental Inspector III

Date: 01/08/2001

Overall Compliance Status **In Compliance** **In Compliance but impending violation trends observed – Advisory Action Taken** **Out of Compliance. Non-recurrent deficiency noted – Verbal notice given or violation corrected at time of inspection.** **Out of Compliance. Non-recurrent administrative or O & M deficiency noted – Warning Notice issued** **Out of Compliance – NOV issued**

Received By: Bennie Wilson

Title: Owner

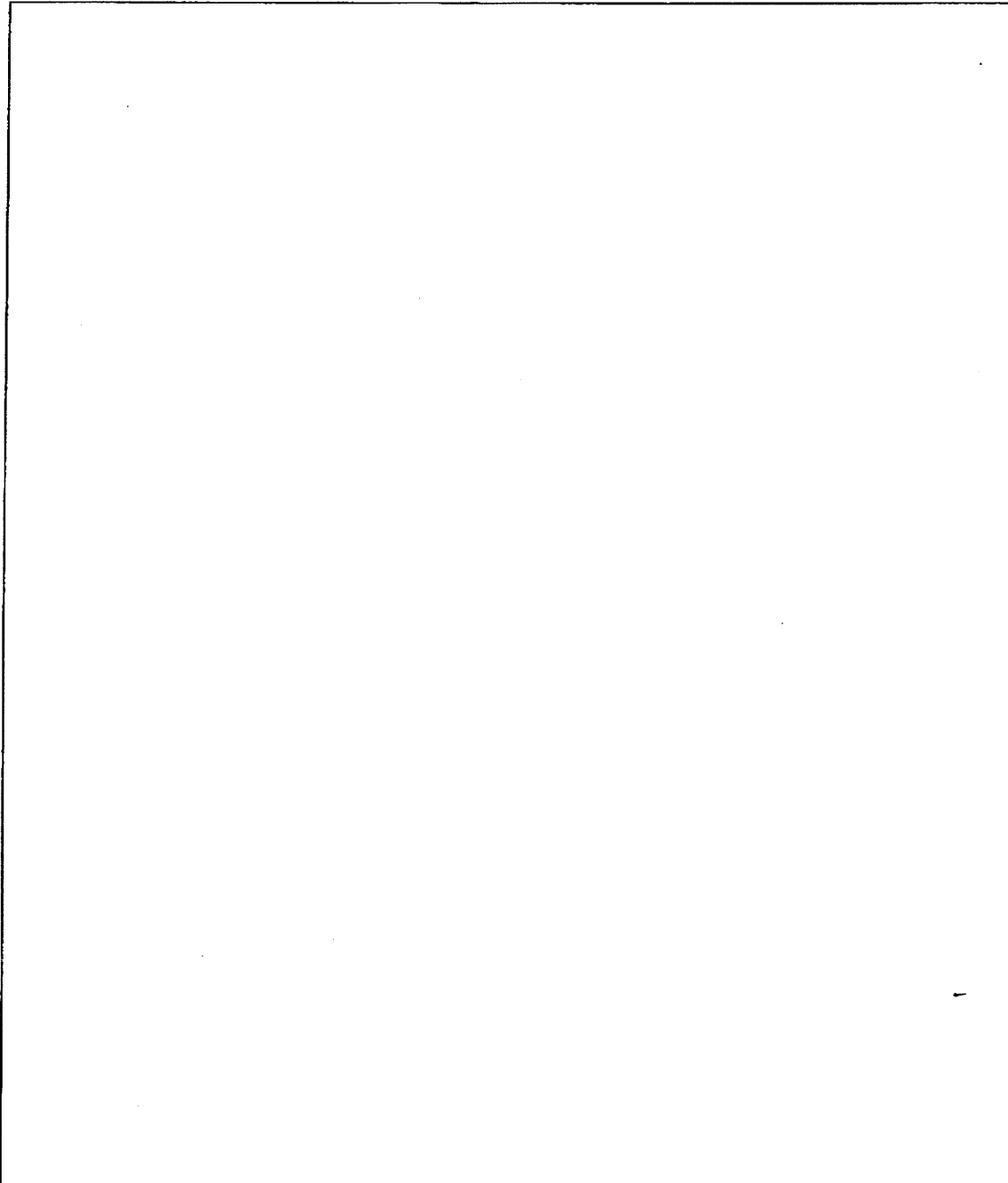
Date: 01/22/2001

Delivery Method: Regular Mail

SITE MAP

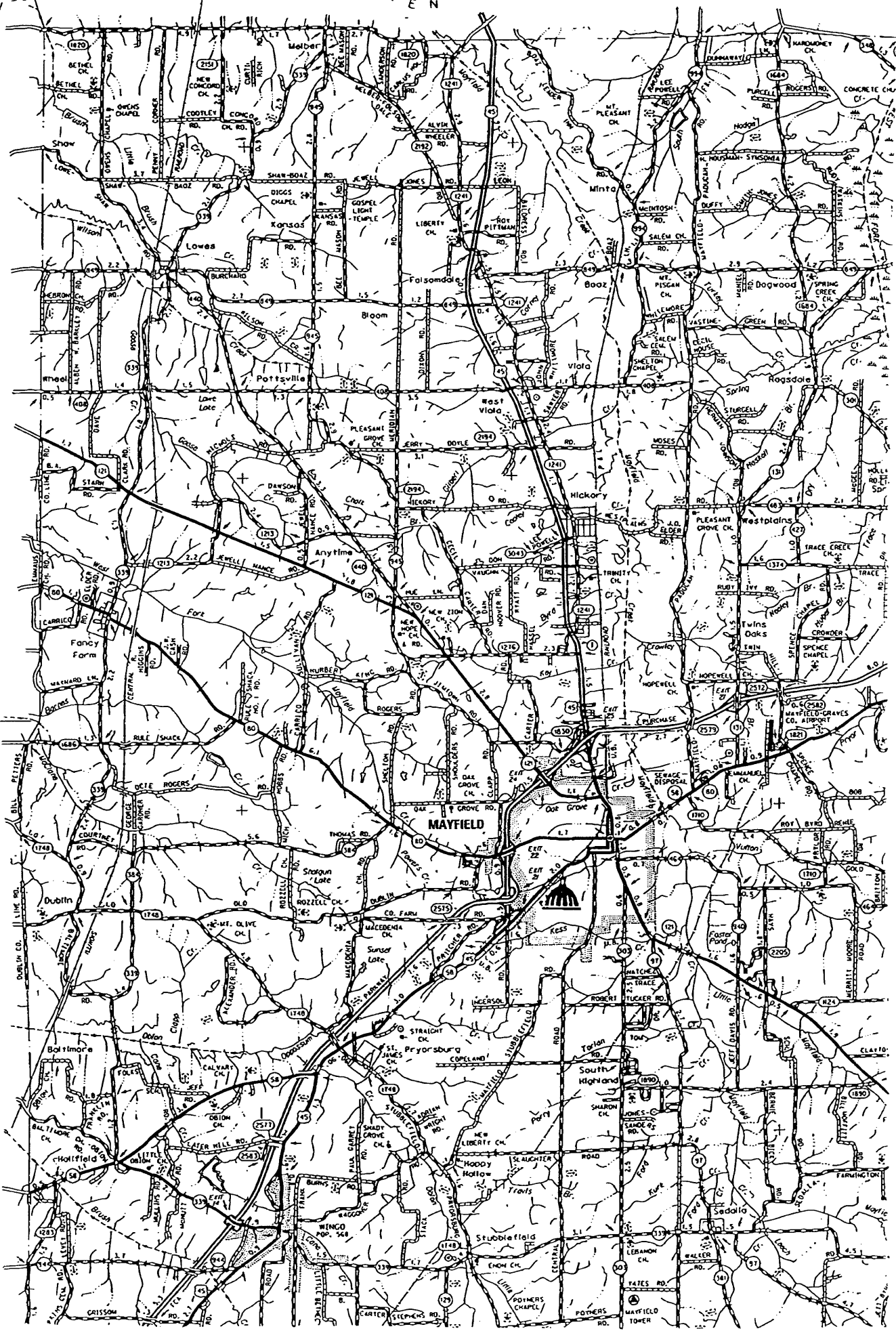
Page 2 of 2

SITE NAME: BENS RECYCLING	SITE ID #: 042-00027	
INSPECTOR: GARY MORGAN	DATE: 01/08/2001	TIME: 0900



Note: Always designate North.

CARLISLE COUNTY



DIVISION OF WASTE MANAGEMENT
REGISTERED PERMIT-BY-RULE INSPECTION REPORT

ROUTINE FOLLOW-UP

FACILITY NAME: Bennie Wilson Recycling REGISTRATION: Not registered
 DATE OF INSPECTION: 10/04/2000 TIME: 0840 COUNTY: Graves
 TYPE OF FACILITY: CDD ONE ACRE OR LESS COMPOSTING TRANSFER STATION CONVENIENCE CENTER
 COMMERCIAL RECYCLING CENTER OTHER _____

INSPECTION ITEMS	CITE *	C	NC	NA	COMMENTS
I. GENERAL STANDARDS FOR ALL SITES					
1. Registration submitted	47:110 § 1		✓		Being submitted
2. Operations consistent with registration	47:110 § 2			✓	
3. No open burning	31:030 § 9(1)	✓			
4. Site does not pose a fire hazard	31:030 § 10(2)	✓			
5. Explosive gasses controlled	31:030 § 10(1)			✓	
6. No violations of Air Quality standards	31:030 § 9(2)			✓	
7. Access controlled	31:030 § 10(3)	✓			
8. Litter and other debris controlled	31:030 § 11		✓		
9. Prevention and control of disease vectors	31:030 § 8		✓		
10. No surface water discharges in violation of water quality standards	31:030 § 4		✓	AA	
11. No groundwater contamination in excess of standards	31:030 § 5			✓	
12. No washout of waste or restriction of 100 yr. Floodplain	31:030 § 2	✓			
13. No effect on endangered species or habitat	31:030 § 3			✓	
14. Site not located in wetlands	31:030 § 12	✓			
15. Site does not allow contamination of karst terrain	31:030 § 13			✓	
16. No unauthorized waste accepted	47:110 § 2(1)(a)			✓	
II. RECORDKEEPING REQUIREMENT					
1. Records on amount, source, and types of municipal waste maintained	47:110 § 2(3)			✓	New facility
2. Quarterly reports maintained	47:110 § 2(3)			✓	
3. Annual report maintained (convenience centers, transfer stations, incinerators, commercial recyclers)	47:110 § 2(4)			✓	
4. Volume of ash and weekly TCLP (incinerators only)	47:110 § 2(4)			✓	
III. ADDITIONAL STANDARDS FOR CDD < 1 ACRE					
1. Site is < 1 acre	KRS 224.40-120				
2. Sign containing registration number, operating hours, CDD waste restriction	KRS 224.40-120				
3. Certification of compliance with local land use standards	KRS 224.40-120				
4. Disposal only during daylight in accordance with posted hours	KRS 224.40-120				
5. \$10,000 bond posted	KRS 224.40-120				
6. No tires or other unauthorized waste	KRS 224.40-120				
7. Quarterly reports submitted to Division's Solid Waste Branch	47:110 § 2(3)				

REGISTERED PERMIT-BY-RULE INSPECTION

FACILITY NAME: Bonnie Wilson Recycling REGISTRATION NUMBER: Not registered

INSPECTION ITEMS	CITE *	C	NC	NA	COMMENTS
IV. ADDITIONAL STANDARDS FOR LANDFARMING SITE					
1. pH of waste and soil is 6.5 or greater at time of application (unless Cadmium level is ≤ 2 mg/kg)	47:030 § 7(1)				
2. Application rates for Cadmium not exceeded	47:030 § 7(1)				
3. Plan to preclude human ingestion of crops grown for animal feed when unlimited Cadmium is applied	47:030 § 7(2)				
4. Notice in deed when unlimited Cadmium is applied	47:030 § 7(2)				
5. No application of PCB's ≥ 1 ppm	47:030 § 8				

* Except as noted all regulatory cites are from Title 401 of the Kentucky Administrative Regulations. The number preceding the colon is the chapter reference. The number appearing after the colon is the regulation number. The symbol "\$" is a reference to the section. For example, the reference to 47:030 § 7(2) should be read as 401 KAR47:030, Section 7, subsection 2. These citations are not comprehensive and other regulations may be applicable. KRS refers to Kentucky Revised Statutes.

"C" means compliance with the requirements; "NC" means non-compliance with the requirement; and "NA" means the requirement is not applicable at this time.

VI. GENERAL INFORMATION

- 1. Photographs taken? Yes No
- 2. Samples collected? Yes No
- 3. Previous non-compliances corrected? Yes No Not Applicable

VII. NOTICE OF VIOLATION ISSUED Yes No

Scheduled Date of Compliance: 11/15/2000

COMMENTS INCLUDING REMEDIAL MEASURES:

This is a new facility that takes old P-spec carbonated soda in containers (bottles and cans), drains the soda, and bales the plastic and aluminum for recycling at Littleville Salvage (Steve Gueddt).

Registration forms were previously sent to Bonnie Wilson. Pepsi et Monday, It began bringing soda Sept 5, 2000 and Mr. Wilson hadn't yet submitted the registration. Advised him to complete the form immediately and submit to Frankford.

Large amount of trash (labels, shrink wrap) in barrels was observed. Bags and yellow jackets were present throughout recycling area soaking sugar syrup. Advised Mr. Wilson that housekeeping had to improve immediately.

Soda will eventually be fed to hogs. It is currently being drained to a pit under hog floor and eventually run to hog used lagoon (2 acre) will advise POW for review.

Photo attached

Investigator's Signature [Signature] Title _____

I hereby acknowledge receipt of a copy of this report and further acknowledge that I have been advised of the discrepancies and alleged violations noted during the inspection.

Operator's Signature [Signature] Title _____

PERSONAL PROTECTIVE EQUIPMENT WORKSITE HAZARD ASSESSMENT WORKSHEET

Jobsite: Bennie Wilson

Job Classification: Inspector

Certifying Person: Gen

Date: 10/4/2000

HEAD

Description of Hazard and Site

- Falling Objects Yes No
- Bumping/Contact Yes No
- Electrical Contact Yes No
- Voltage Yes No
- Chemical Absorption/Dusts ... Yes No
- Caustics/Acids Yes No



EYES and Face

Description of Hazard and Site

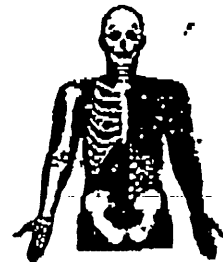
- Flying Particulates Yes No
- Liquid Chemical Splashes Yes No
- Acids and Caustics Yes No
- Gasses and Vapors Yes No
- Light/Radiation Yes No
- Circle Specific Type(s) (Welding, Laser, Other)
- Correct Shading Used (Shade Number



Torso and Upper Arms

Description of Hazard and Site

- Chemical Burns Yes No
- Thermal Burns Yes No
- Abrasions Yes No
- Punctures Yes No
- Light/Radiation Yes No
- Circle Specific Type(s) (Welding, Laser, Other)
- Fall Protection Required Yes No
- Specify Height and Harness Type
- Other (Brief Description)



Arms and Hands

Description of Hazard and Site

- Chemical Burns Yes No
- Thermal Burns Yes No
- Abrasions Yes No
- Punctures Yes No
- Light/Radiation Yes No
- Circle Specific Type(s) (Welding, Laser, Other)
- Electric Contact Yes No
- Chemical Absorption Yes No



Legs and Feet

Description of Hazard and Site

Dropping/Falling Hazard.....	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Collision/Rolling Objects.....	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Puncture Hazards.....	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Thermal (Hot/Cold) Hazards...	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Wet/Slippery Surfaces	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Welding/Slag/Liquid Metals...	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Electrical Contact	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Voltage	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Chemical Absorption	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Other	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>



Auditory/Ear

Description of Hazard and Site

Noise Level

NRR Suggested

Protectors/PPE:

 Type Required

 Type Suggested



Respiratory

Description of Hazard and Site

Contaminant(s) A) _____ Level _____

 B) _____ Level _____

 C) _____ Level _____

 D) _____ Level _____

Suitable Respiratory Protection

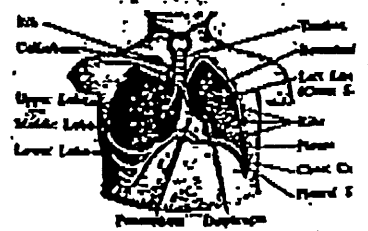
A) _____

B) _____

C) _____

D) _____

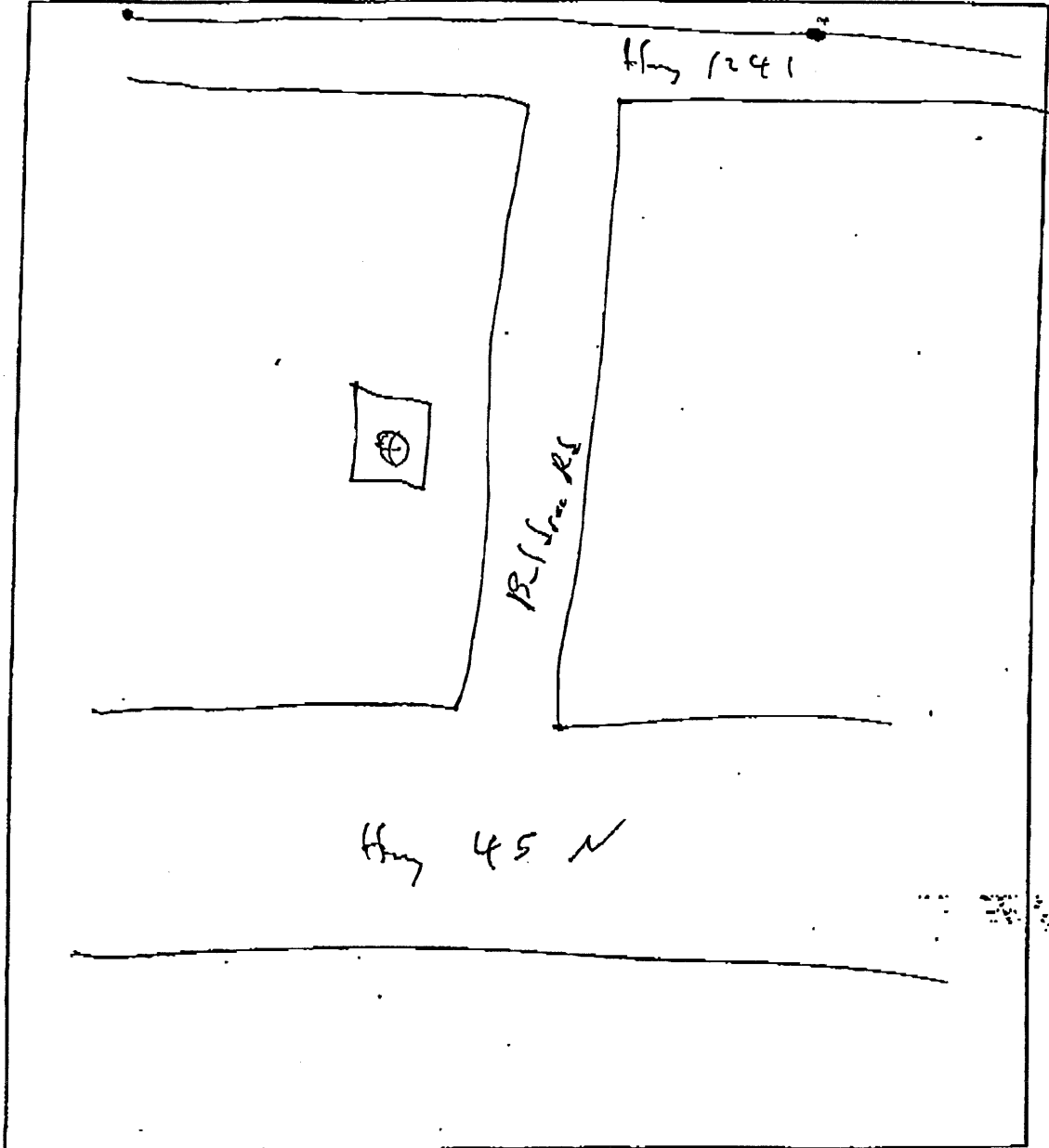
The Lungs and Chest Cavity



SITE MAP

Page of

SITE NAME:	SITE ID #:	
INSPECTOR:	DATE:	TIME:



Note: map must have north designated.

16.5 REGULATORY RECORDS DOCUMENTATION



The EDR Radius Map with GeoCheck[®]

**Purchase Area Master Planning
Purchase Area Master Planning
Mayfield, KY 42027**

Inquiry Number: 1013140.1s

July 16, 2003

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Physical Setting Source Addendum	A-1
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Physical Setting Source Records Searched	A-10

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

PURCHASE AREA MASTER PLANNING
MAYFIELD, KY 42027

COORDINATES

Latitude (North): 36.897600 - 36° 53' 51.4"
Longitude (West): 88.660600 - 88° 39' 38.2"
Universal Tranverse Mercator: Zone 16
UTM X (Meters): 352039.0
UTM Y (Meters): 4084597.5
Elevation: 413 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2436088-H6 MELBER, KY
Source: USGS 7.5 min quad index

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 ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL National Priority List
Proposed NPL Proposed National Priority List Sites
CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP CERCLIS No Further Remedial Action Planned
CORRACTS Corrective Action Report
RCRIS-TSD Resource Conservation and Recovery Information System
RCRIS-LQG Resource Conservation and Recovery Information System
RCRIS-SQG Resource Conservation and Recovery Information System
ERNS Emergency Response Notification System

STATE ASTM STANDARD

SHWS State Leads List

EXECUTIVE SUMMARY

SWF/LF..... Solid Waste Facilities List
VCP..... Voluntary Cleanup Program Sites

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
FINDS..... Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
DOD..... Department of Defense Sites
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

SB193..... SB193 Branch Site Inventory List

BROWNFIELDS DATABASES

VCP..... Voluntary Cleanup Program Sites
INST CONTROL..... State Superfund Database

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. 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 (by more than 10 feet). 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.

STATE ASTM STANDARD

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the

EXECUTIVE SUMMARY

Department of Environmental Protection's Owner/Facility Report of All Tanks Regardless of Status list.

A review of the UST list, as provided by EDR, and dated 04/24/2003 has revealed that there are 2 UST sites within approximately 3 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HANCOCKS MARKET	6155 ST RT 1241	1 - 2 SSW	1	6
FRISTOES FOOD MART	41 ST RTE 408 E	>2 S	2	7

EXECUTIVE SUMMARY

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

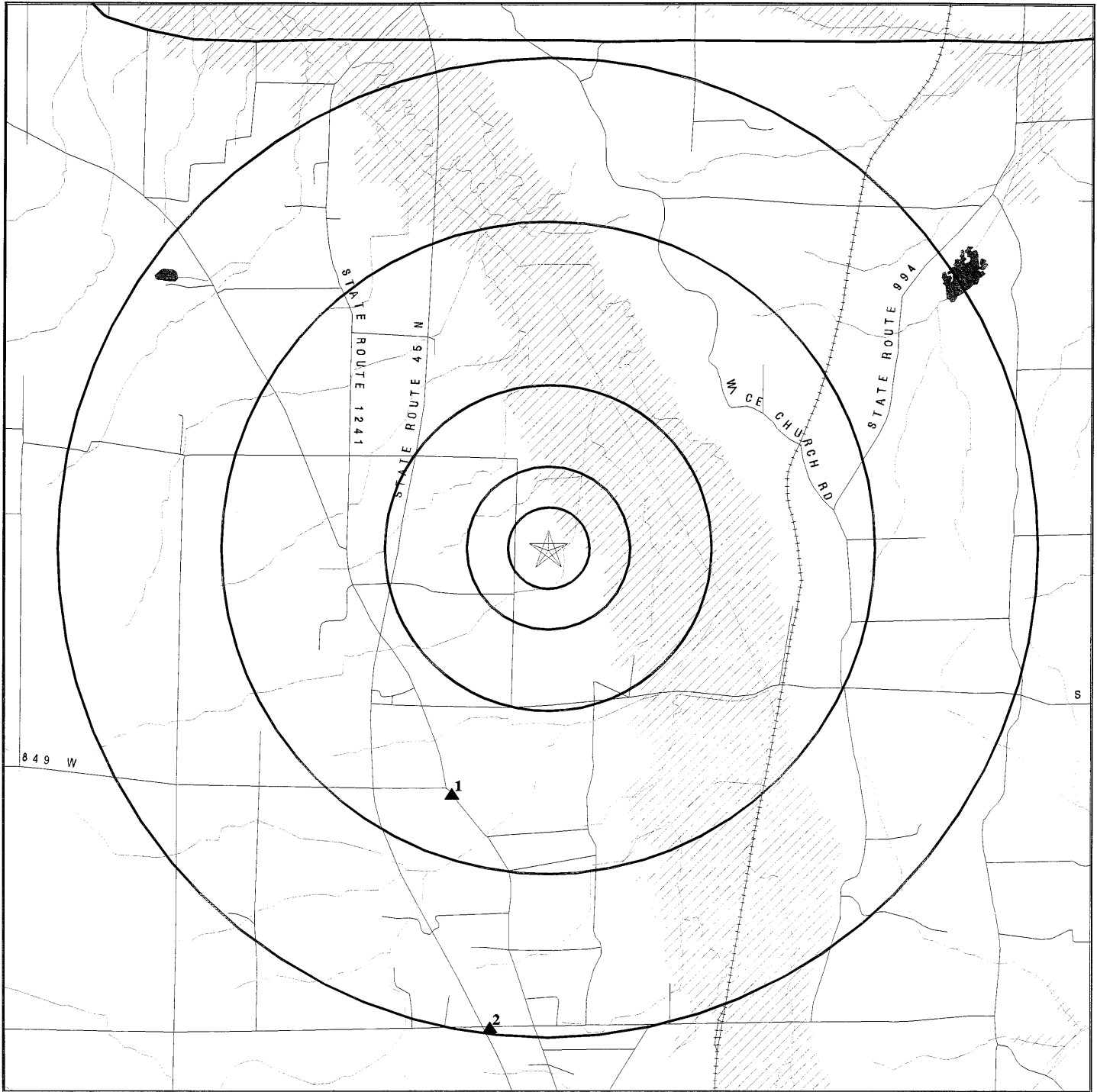
Site Name

CONAGRA POULTRY CO. OF KENTUCKY INC.
BENS RECYCLING
NORTH GRAVES COMPANY LANDFILL
RECYCLED PAPER SHAVINGS INC
WILSON OAK RIDGE FARM

Database(s)

FTTS
SWF/LF
SWF/LF
SWF/LF
RCRIS-SQG, FINDS

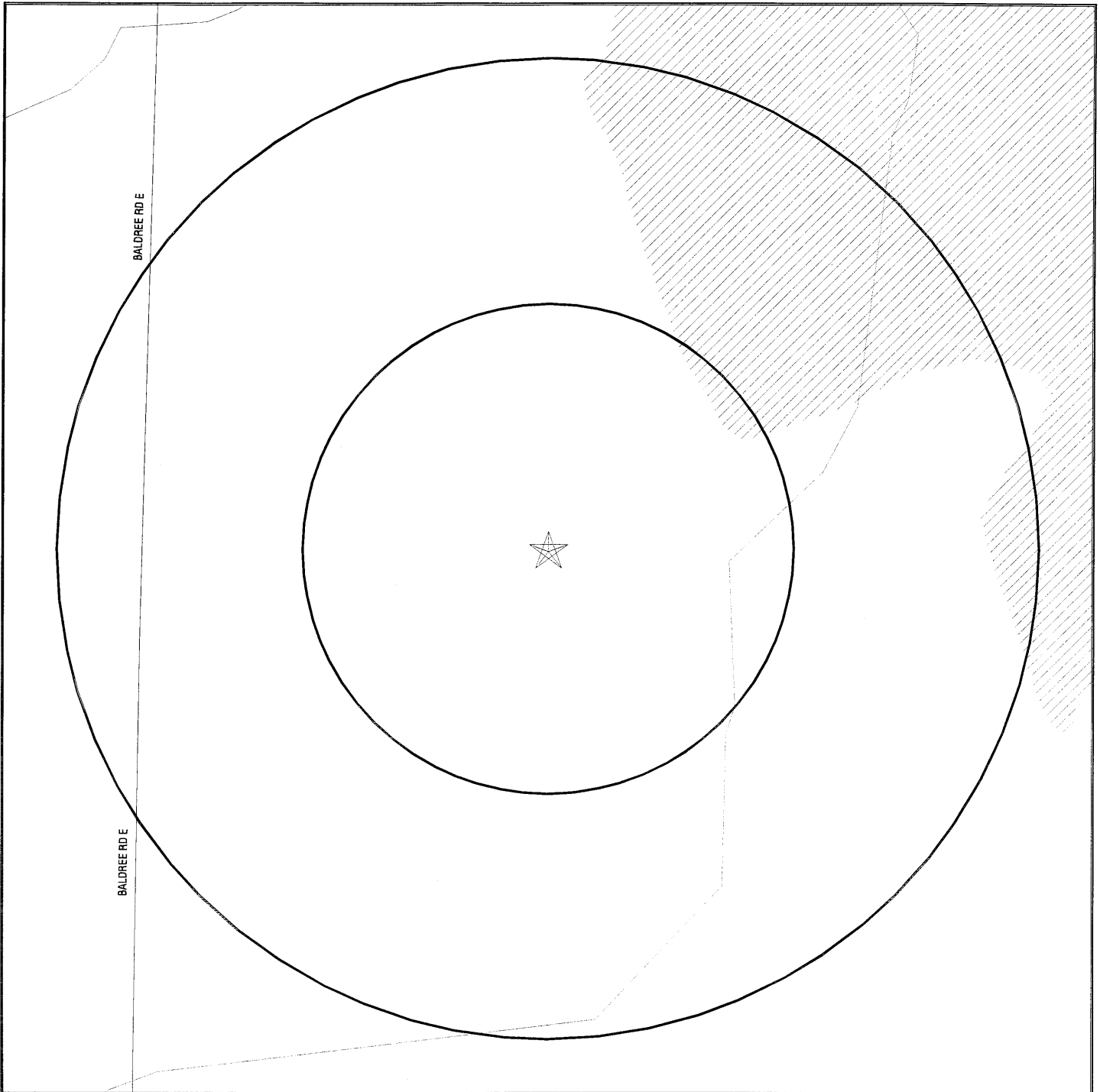
OVERVIEW MAP - 1013140.1s - Lockwood Greene



- ☆ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- ▨ National Priority List Sites
- ▨ Landfill Sites
- ▨ Dept. Defense Sites
- ▭ County Boundary
- ▭ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone

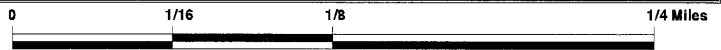
TARGET PROPERTY:	Purchase Area Master Planning	CUSTOMER:	Lockwood Greene
ADDRESS:	Purchase Area Master Planning	CONTACT:	John Oster
CITY/STATE/ZIP:	Mayfield KY 42027	INQUIRY #:	1013140.1s
LAT/LONG:	36.8976 / 88.6606	DATE:	July 16, 2003 1:29 pm

DETAIL MAP - 1013140.1s - Lockwood Greene



- ☆ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Landfill Sites
- ☒ Dept. Defense Sites

- ∩ County Boundary
- ∩ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone



TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:	Purchase Area Master Planning Purchase Area Master Planning Mayfield KY 42027 36.8976 / 88.6606	CUSTOMER: Lockwood Greene CONTACT: John Oster INQUIRY #: 1013140.1s DATE: July 16, 2003 1:29 pm
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>FEDERAL ASTM STANDARD</u>								
NPL		3.000	0	0	0	0	0	0
Proposed NPL		3.000	0	0	0	0	0	0
CERCLIS		3.000	0	0	0	0	0	0
CERC-NFRAP		3.000	0	0	0	0	0	0
CORRACTS		3.000	0	0	0	0	0	0
RCRIS-TSD		3.000	0	0	0	0	0	0
RCRIS Lg. Quan. Gen.		3.000	0	0	0	0	0	0
RCRIS Sm. Quan. Gen.		3.000	0	0	0	0	0	0
ERNS		3.000	0	0	0	0	0	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		3.000	0	0	0	0	0	0
State Landfill		3.000	0	0	0	0	0	0
UST		3.000	0	0	0	0	2	2
VCP		3.000	0	0	0	0	0	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		3.000	0	0	0	0	0	0
ROD		3.000	0	0	0	0	0	0
Delisted NPL		3.000	0	0	0	0	0	0
FINDS		3.000	0	0	0	0	0	0
HMIRS		3.000	0	0	0	0	0	0
MLTS		3.000	0	0	0	0	0	0
MINES		3.000	0	0	0	0	0	0
NPL Liens		3.000	0	0	0	0	0	0
PADS		3.000	0	0	0	0	0	0
DOD		3.000	0	0	0	0	0	0
RAATS		3.000	0	0	0	0	0	0
TRIS		3.000	0	0	0	0	0	0
TSCA		3.000	0	0	0	0	0	0
SSTS		3.000	0	0	0	0	0	0
FTTS		3.000	0	0	0	0	0	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
SB193		3.000	0	0	0	0	0	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A
<u>BROWNFIELDS DATABASES</u>								
VCP		3.000	0	0	0	0	0	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
INST CONTROL		3.000	0	0	0	0	0	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

Coal Gas Site Search: EDR does not presently have coal gas site information available in this state.

1
SSW
> 1
8534 ft.

HANCOCKS MARKET
6155 ST RT 1241
HICKORY, KY 42051

UST **U003416142**
N/A

Relative:
Higher

Actual:
448 ft.

UST:

Facility ID:	873042
Tank ID:	1
Facility Phone:	502-856-3334
Associate Phone:	270-856-3334
Tank Status:	Active
Owner:	JOHN HANCOCK
Owner Address:	HICKORY, KY
Substance:	Gasoline
Capacity in Gallons:	6000
Tank Material:	Double Wall Steel
Tank External Protection:	Statistical Inventory Reconciliation
Tank Internal Protection:	Interior Lining N/A
Tank Overfill Protection:	Automatic Shutoff Device
Pipe Material:	Single Wall Steel
Pipe External Protection:	Impressed Current Cathodic Protection
Pipe Release Detection:	Statistical Inventory Reconciliation
Pipe Type:	Suction
Pipe Secondary Containment:	Not reported
Company Name:	Not reported
Installation Date:	01/01/1986
Relined Date:	Not reported
Last Contained Date:	Not reported
Removed Date:	/ /
Closed in Place Date:	Not reported
Temp Closed Date:	Not reported
Change in Service Date:	Not reported
Inert Material Code:	Not reported
Street Address:	6155 SR 1241 SO
Site PO Address:	Not reported
Postal Code:	42051
Latitude:	36.875561
Degrees:	36
Minutes:	52
Seconds:	32.02
Longitude:	-88.671187
Degrees:	88
Minutes:	40
Seconds:	16.273
Facility ID:	873042
Tank ID:	2
Facility Phone:	502-856-3334
Associate Phone:	270-856-3334
Tank Status:	Active
Owner:	JOHN HANCOCK
Owner Address:	HICKORY, KY
Substance:	Gasoline
Capacity in Gallons:	6000
Tank Material:	Double Wall Steel

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

HANCOCKS MARKET (Continued)

U003416142

Tank External Protection: Statistical Inventory Reconciliation
 Tank Internal Protection: Interior Lining N/A
 Tank Overfill Protection: Automatic Shutoff Device
 Pipe Material: Single Wall Steel
 Pipe External Protection: Impressed Current Cathodic Protection
 Pipe Release Detection: Statistical Inventory Reconciliation
 Pipe Type: Suction
 Pipe Secondary Containment: Not reported
 Company Name: Not reported
 Installation Date: 01/01/1986
 Relined Date: Not reported
 Last Contained Date: Not reported
 Removed Date: / /
 Closed in Place Date: Not reported
 Temp Closed Date: Not reported
 Change in Service Date: Not reported
 Inert Material Code: Not reported
 Street Address: 6155 SR 1241 SO
 Site PO Address: Not reported
 Postal Code: 42051
 Latitude: 36.875561
 Degrees: 36
 Minutes: 52
 Seconds: 32.02
 Longitude: -88.671187
 Degrees: 88
 Minutes: 40
 Seconds: 16.273

2
South
> 1
15615 ft.

FRISTOES FOOD MART
41 ST RTE 408 E
HICKORY, KY 42051

UST U001182152
N/A

Relative:
Higher

Actual:
478 ft.

UST:
 Facility ID: 3528042
 Tank ID: 1
 Facility Phone: 502-856-3163
 Associate Phone: 502-856-3163
 Tank Status: Verified Removal
 Owner: W FRISTOE
 Owner Address: HICKORY, KY
 Substance: Gasoline
 Capacity in Gallons: 5100
 Tank Material: Single Wall Steel
 Tank External Protection: Daily Inventory RCRDS / Tank Tightness
 Tank Internal Protection: Interior Lining N/A
 Tank Overfill Protection: Flow Restrictor
 Pipe Material: Double Wall Fiberglass
 Pipe External Protection: Double Wall Fiberglass
 Pipe Release Detection: Check Valve
 Pipe Type: Suction
 Pipe Secondary Containment: Not reported
 Company Name: Not reported
 Installation Date: 01/01/1984
 Relined Date: Not reported
 Last Contained Date: Not reported
 Removed Date: 12/21/1998
 Closed in Place Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FRISTOES FOOD MART (Continued)

U001182152

Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: RT 1
Site PO Address: BOX 67
Postal Code: 42051
Latitude: 36.852
Degrees: 36
Minutes: 51
Seconds: 7.2
Longitude: -88.656
Degrees: 88
Minutes: 39
Seconds: 21.6

Facility ID: 3528042
Tank ID: 2
Facility Phone: 502-856-3163
Associate Phone: 502-856-3163
Tank Status: Verified Removal
Owner: W FRISTOE
Owner Address: HICKORY, KY
Substance: Gasoline
Capacity in Gallons: 5100
Tank Material: Single Wall Steel
Tank External Protection: Daily Inventory RCRDS / Tank Tightness
Tank Internal Protection: Interior Lining N/A
Tank Overfill Protection: Flow Restrictor
Pipe Material: Double Wall Fiberglass
Pipe External Protection: Double Wall Fiberglass
Pipe Release Detection: Check Valve
Pipe Type: Suction
Pipe Secondary Containment: Not reported
Company Name: Not reported
Installation Date: 01/01/1984
Relined Date: Not reported
Last Contained Date: Not reported
Removed Date: 12/21/1998
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: RT 1
Site PO Address: BOX 67
Postal Code: 42051
Latitude: 36.852
Degrees: 36
Minutes: 51
Seconds: 7.2
Longitude: -88.656
Degrees: 88
Minutes: 39
Seconds: 21.6

Facility ID: 3528042
Tank ID: 3
Facility Phone: 502-856-3163

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

FRISTOES FOOD MART (Continued)

U001182152

Associate Phone: 502-856-3163
 Tank Status: Verified Removal
 Owner: W FRISTOE
 Owner Address: HICKORY, KY
 Substance: Diesel
 Capacity in Gallons: 5100
 Tank Material: Single Wall Steel
 Tank External Protection: Daily Inventory RCRDS / Tank Tightness
 Tank Internal Protection: Interior Lining N/A
 Tank Overfill Protection: Flow Restrictor
 Pipe Material: Double Wall Fiberglass
 Pipe External Protection: Double Wall Fiberglass
 Pipe Release Detection: Check Valve
 Pipe Type: Suction
 Pipe Secondary Containment: Not reported
 Company Name: Not reported
 Installation Date: 01/01/1984
 Relined Date: Not reported
 Last Contained Date: Not reported
 Removed Date: 12/21/1998
 Closed in Place Date: Not reported
 Temp Closed Date: Not reported
 Change in Service Date: Not reported
 Inert Material Code: Not reported
 Street Address: RT 1
 Site PO Address: BOX 67
 Postal Code: 42051
 Latitude: 36.852
 Degrees: 36
 Minutes: 51
 Seconds: 7.2
 Longitude: -88.656
 Degrees: 88
 Minutes: 39
 Seconds: 21.6

Facility ID: 3528042
 Tank ID: 4
 Facility Phone: 502-856-3163
 Associate Phone: 502-856-3163
 Tank Status: Active
 Owner: W FRISTOE
 Owner Address: HICKORY, KY
 Substance: Gasoline
 Capacity in Gallons: 10000
 Tank Material: Single Wall Steel
 Tank External Protection: Statistical Inventory Reconciliation
 Tank Internal Protection: Interior Lining N/A
 Tank Overfill Protection: Flow Restrictor
 Pipe Material: Flexible Wall
 Pipe External Protection: Flexible Wall
 Pipe Release Detection: Statistical Inventory Reconciliation
 Pipe Type: Pressurized
 Pipe Secondary Containment: Not reported
 Company Name: Not reported
 Installation Date: 12/18/1998
 Relined Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FRISTOES FOOD MART (Continued)

U001182152

Last Contained Date: Not reported
Removed Date: / /
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: RT 1
Site PO Address: BOX 67
Postal Code: 42051
Latitude: 36.852
Degrees: 36
Minutes: 51
Seconds: 7.2
Longitude: -88.656
Degrees: 88
Minutes: 39
Seconds: 21.6

Facility ID: 3528042
Tank ID: 5
Facility Phone: 502-856-3163
Associate Phone: 502-856-3163
Tank Status: Active
Owner: W FRISTOE
Owner Address: HICKORY, KY
Substance: Gasoline
Capacity in Gallons: 8000
Tank Material: Single Wall Steel
Tank External Protection: Statistical Inventory Reconciliation
Tank Internal Protection: Interior Lining N/A
Tank Overfill Protection: Flow Restrictor
Pipe Material: Flexible Wall
Pipe External Protection: Flexible Wall
Pipe Release Detection: Statistical Inventory Reconciliation
Pipe Type: Pressurized
Pipe Secondary Containment: Not reported
Company Name: Not reported
Installation Date: 12/18/1998
Relined Date: Not reported
Last Contained Date: Not reported
Removed Date: / /
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: RT 1
Site PO Address: BOX 67
Postal Code: 42051
Latitude: 36.852
Degrees: 36
Minutes: 51
Seconds: 7.2
Longitude: -88.656
Degrees: 88
Minutes: 39
Seconds: 21.6

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FRISTOES FOOD MART (Continued)

U001182152

Facility ID: 3528042
Tank ID: 6
Facility Phone: 502-856-3163
Associate Phone: 502-856-3163
Tank Status: Active
Owner: W FRISTOE
Owner Address: HICKORY, KY
Substance: Diesel
Capacity in Gallons: 8000
Tank Material: Single Wall Steel
Tank External Protection: Statistical Inventory Reconciliation
Tank Internal Protection: Interior Lining N/A
Tank Overfill Protection: Flow Restrictor
Pipe Material: Flexible Wall
Pipe External Protection: Flexible Wall
Pipe Release Detection: Statistical Inventory Reconciliation
Pipe Type: Pressurized
Pipe Secondary Containment: Not reported
Company Name: Not reported
Installation Date: 12/18/1998
Relined Date: Not reported
Last Contained Date: Not reported
Removed Date: / /
Closed in Place Date: Not reported
Temp Closed Date: Not reported
Change in Service Date: Not reported
Inert Material Code: Not reported
Street Address: RT 1
Site PO Address: BOX 67
Postal Code: 42051
Latitude: 36.852
Degrees: 36
Minutes: 51
Seconds: 7.2
Longitude: -88.656
Degrees: 88
Minutes: 39
Seconds: 21.6

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BOAZ	S105055321	BENS RECYCLING	12180 US 45	42027	SWF/LF
BOAZ	S103593489	NORTH GRAVES COMPANY LANDFILL	HIGHWAY 849	42027	SWF/LF
BOAZ	1000384475	WILSON OAK RIDGE FARM	BOX 140 BALDREE ROAD E	42027	RCRIS-SQG, FINDS
HICKORY	S101646388	RECYCLED PAPER SHAVINGS INC	HIGHWAY 1241 NORTH	42051	SWF/LF
HICKORY,	1006432988	CONAGRA POULTRY CO. OF KENTUCKY INC.	2653 ST. RTE. 11241 HWY. 45 S.	42051	FTTS

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.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA
Telephone: N/A

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: 04/30/03
Date Made Active at EDR: 06/02/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/05/03
Elapsed ASTM days: 28
Date of Last EDR Contact: 05/09/03

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 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Source: EPA
Telephone: N/A

Date of Government Version: 04/30/03
Date Made Active at EDR: 06/02/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/05/03
Elapsed ASTM days: 28
Date of Last EDR Contact: 05/05/03

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

Source: EPA
Telephone: 703-413-0223

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: 03/19/03
Date Made Active at EDR: 04/08/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/24/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 06/23/03

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA
Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/19/03
Date Made Active at EDR: 04/08/03
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/24/03
Elapsed ASTM days: 15
Date of Last EDR Contact: 06/23/03

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/31/03
Date Made Active at EDR: 05/08/03
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/07/03
Elapsed ASTM days: 31
Date of Last EDR Contact: 06/09/03

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 05/09/03
Date Made Active at EDR: 07/01/03
Database Release Frequency: Varies

Date of Data Arrival at EDR: 05/09/03
Elapsed ASTM days: 53
Date of Last EDR Contact: 06/26/03

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard

Telephone: 202-260-2342

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

Date of Government Version: 12/31/02
Date Made Active at EDR: 02/03/03
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/03
Elapsed ASTM days: 7
Date of Last EDR Contact: 04/28/03

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

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: 12/31/99
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/16/03
Date of Next Scheduled EDR Contact: 09/15/03

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

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: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/09/03
Database Release Frequency: Annually

Date of Last EDR Contact: 07/07/03
Date of Next Scheduled EDR Contact: 10/06/03

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

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: 04/30/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/05/03
Date of Next Scheduled EDR Contact: 08/04/03

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

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: 03/19/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/03
Date of Next Scheduled EDR Contact: 10/06/03

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4555

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

Date of Government Version: 01/31/03
Database Release Frequency: Annually

Date of Last EDR Contact: 04/30/03
Date of Next Scheduled EDR Contact: 07/21/03

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

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: 04/23/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/03
Date of Next Scheduled EDR Contact: 10/06/03

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 03/11/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/30/03
Date of Next Scheduled EDR Contact: 09/29/03

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/27/03
Date of Next Scheduled EDR Contact: 08/25/03

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-564-3887

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: 03/26/03
Database Release Frequency: Annually

Date of Last EDR Contact: 05/12/03
Date of Next Scheduled EDR Contact: 08/11/03

DOD: Department of Defense Sites

Source: USGS
Telephone: 703-648-5920

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: 04/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/12/03
Date of Next Scheduled EDR Contact: 08/11/03

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

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: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/09/03
Date of Next Scheduled EDR Contact: 09/08/03

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-260-1531

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: 12/31/00
Database Release Frequency: Annually

Date of Last EDR Contact: 06/27/03
Date of Next Scheduled EDR Contact: 09/22/03

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

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: 12/31/98
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 06/09/03
Date of Next Scheduled EDR Contact: 09/08/03

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

Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/15/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/23/03
Date of Next Scheduled EDR Contact: 09/22/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-5008

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: 12/31/00

Database Release Frequency: Annually

Date of Last EDR Contact: 05/09/03

Date of Next Scheduled EDR Contact: 07/21/03

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

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: 04/15/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/23/03

Date of Next Scheduled EDR Contact: 09/22/03

STATE OF KENTUCKY ASTM STANDARD RECORDS

SHWS: State Leads List

Source: Department of Environmental Protection

Telephone: 502-564-6716

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 03/13/03

Date Made Active at EDR: 04/11/03

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/17/03

Elapsed ASTM days: 25

Date of Last EDR Contact: 06/30/03

SWF/LF: Solid Waste Facilities List

Source: Department of Environmental Protection

Telephone: 502-564-6716

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: 05/01/03

Date Made Active at EDR: 06/03/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/19/03

Elapsed ASTM days: 15

Date of Last EDR Contact: 05/19/03

UST: Underground Storage Tank Database

Source: Department of Environmental Protection

Telephone: 502-564-6716

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: 04/24/03

Date Made Active at EDR: 05/21/03

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/29/03

Elapsed ASTM days: 22

Date of Last EDR Contact: 06/30/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Voluntary Cleanup Program Sites

Source: Department of Environmental Protection

Telephone: 502-564-6716

Sites that have been accepted into the Voluntary Cleanup Program or have submitted an application.

Date of Government Version: 01/22/03

Date Made Active at EDR: 03/04/03

Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/12/03

Elapsed ASTM days: 20

Date of Last EDR Contact: 06/30/03

STATE OF KENTUCKY ASTM SUPPLEMENTAL RECORDS

SB193: SB193 Branch Site Inventory List

Source: Department of Environmental Protection

Telephone: 502-564-6716

The inventory indicates facilities that have performed permanent closure activities at a regulated underground storage tank facility and have known soil and/or groundwater contamination.

Date of Government Version: 04/10/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/12/03

Date of Next Scheduled EDR Contact: 08/11/03

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

STATE OF KENTUCKY BROWNFIELDS DATABASES RECORDS

VCP: Voluntary Cleanup Program Sites

Source: Department of Environmental Protection

Telephone: 502-564-6716

Sites that have been accepted into the Voluntary Cleanup Program or have submitted an application.

Date of Government Version: 01/22/03

Database Release Frequency: Varies

Date of Last EDR Contact: 06/30/03

Date of Next Scheduled EDR Contact: 09/29/03

INST CONTROL: State Superfund Database

Source: Department of Environmental Protection

Telephone: 502-564-6716

A list of closed sites in the State Superfund Database. Institutional controls would be in place at any site that uses Contained or Managed as a Closure Option.

Date of Government Version: 06/23/03

Database Release Frequency: Varies

Date of Last EDR Contact: 06/23/03

Date of Next Scheduled EDR Contact: 09/29/03

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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: Certified Child Care Homes

Source: Cabinet for Families & Children

Telephone: 502-564-7130

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 from the U.S. Fish and Wildlife Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PURCHASE AREA MASTER PLANNING
PURCHASE AREA MASTER PLANNING
MAYFIELD, KY 42027

TARGET PROPERTY COORDINATES

Latitude (North):	36.897598 - 36° 53' 51.4"
Longitude (West):	88.660599 - 88° 39' 38.2"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	352039.0
UTM Y (Meters):	4084597.5
Elevation:	413 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

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. 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.

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).

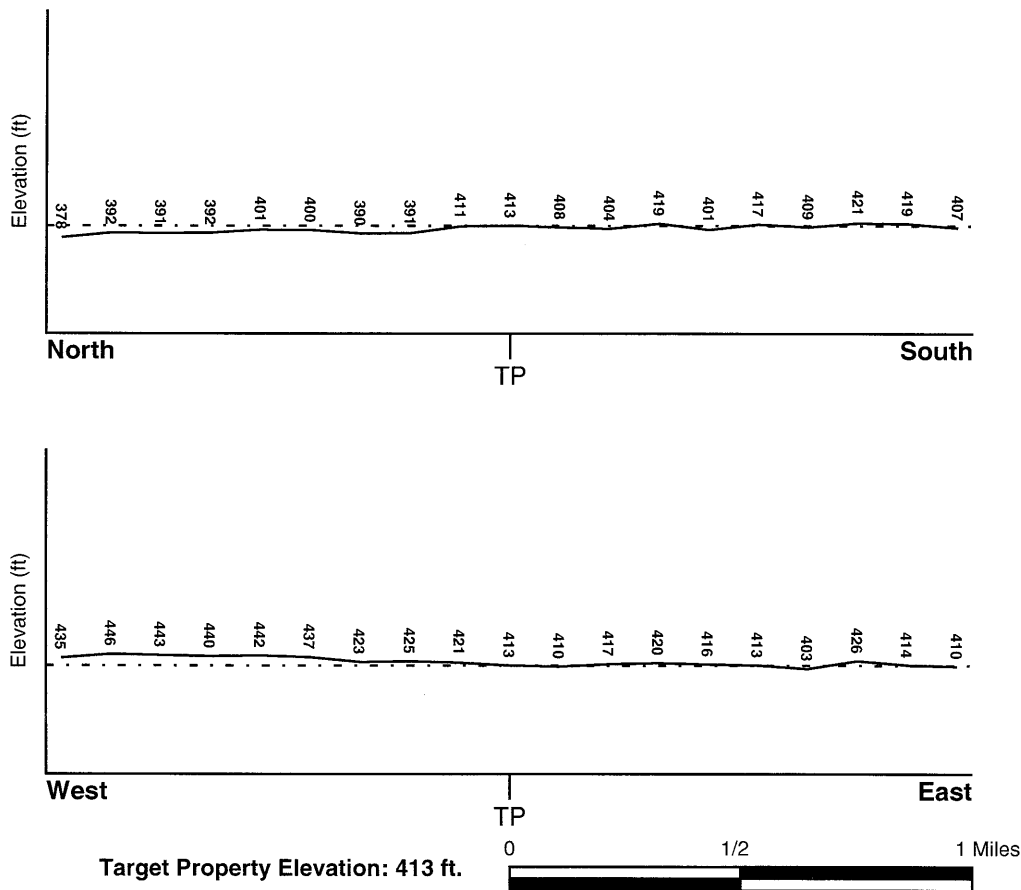
TOPOGRAPHIC INFORMATION

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

USGS Topographic Map: 2436088-H6 MELBER, KY
General Topographic Gradient: General North
Source: USGS 7.5 min quad index

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> GRAVES, KY	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	2102820001B
Additional Panels in search area:	2102820002B

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> MELBER	NWI Electronic <u>Data Coverage</u> Not Available
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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>
<u>Not Reported</u>	<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

GEOLOGIC AGE IDENTIFICATION

Era:	Cenozoic	Category:	Stratified Sequence
System:	Tertiary		
Series:	Eocene Claiborne Group		
Code:	Te2 (decoded above as Era, System & Series)		

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:	LORING
Soil Surface Texture:	silt loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

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

Corrosion Potential - Uncoated Steel: MODERATE

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	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
2	7 inches	28 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
3	28 inches	50 inches	silt 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	Max: 0.20 Min: 0.06	Max: 6.00 Min: 4.50
4	50 inches	65 inches	silt 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	Max: 2.00 Min: 0.20	Max: 6.50 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: very gravelly - loam

Surficial Soil Types: very gravelly - loam

Shallow Soil Types: gravelly - fine sandy loam

Deeper Soil Types: very gravelly - fine sandy loam
gravelly - sandy loam

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater 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 FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

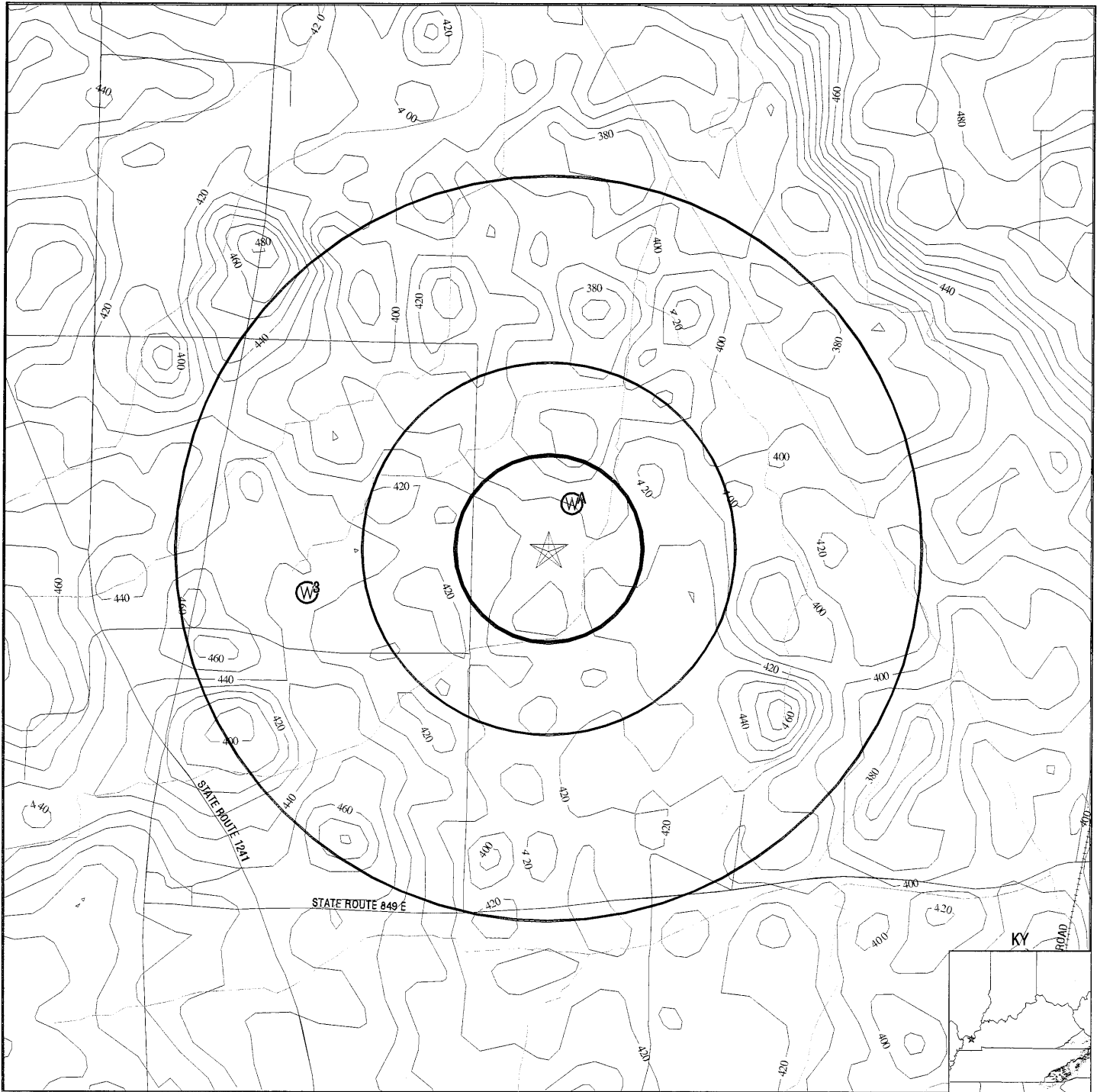
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

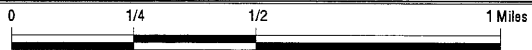
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	KYWW028476	1/8 - 1/4 Mile NNE
A2	KYWW028087	1/8 - 1/4 Mile NNE
3	KYWW015688	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 1013140.1s



- 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



TARGET PROPERTY:	Purchase Area Master Planning	CUSTOMER:	Lockwood Greene
ADDRESS:	Purchase Area Master Planning	CONTACT:	John Oster
CITY/STATE/ZIP:	Mayfield KY 42027	INQUIRY #:	1013140.1s
LAT/LONG:	36.8976 / 88.6606	DATE:	July 16, 2003 1:29 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
NNE
1/8 - 1/4 Mile
Lower

KY WELLS KYWW028476

Well ID:	00036099			
Quadrangle:	Melber	Id_num:	24268	
Latitude:	36.899167	Longitude:	-88.659444	
County:	Graves	Use:	Domestic	
To rock:	0	Water_ft:	20	
Depth:	105	Date done:	1994-05-04	
Well ID:	00036099	Link:	Well Logs, KYDOW--GW Branch	

A2
NNE
1/8 - 1/4 Mile
Lower

KY WELLS KYWW028087

Well ID:	00036100			
Quadrangle:	Melber	Id_num:	24269	
Latitude:	36.899444	Longitude:	-88.659444	
County:	Graves	Use:	Irrigation	
To rock:	0	Water_ft:	20	
Depth:	105	Date done:	1994-05-02	
Well ID:	00036100	Link:	Well Logs, KYDOW--GW Branch	

3
West
1/2 - 1 Mile
Higher

KY WELLS KYWW015688

Well ID:	00011143			
Quadrangle:	Melber	Id_num:	5397	
Latitude:	36.895833	Longitude:	-88.672222	
County:	Graves	Use:	Irrigation	
To rock:	138	Water_ft:	40	
Depth:	138	Date done:	1988-07-07	
Well ID:	00011143	Link:	Well Logs, KYDOW--GW Branch	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for GRAVES County: 3

- 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 GRAVES COUNTY, KY

Number of sites tested: 10

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.870 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.600 pCi/L	100%	0%	0%

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. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

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 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[®] 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) 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.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Kentucky Well Data Files

Source: University of Kentucky, Geological Survey
Telephone: 606-257-5500

RADON

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 IRAA 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

**16.4 HISTORICAL RESEARCH DOCUMENTATION (AERIAL PHOTOGRAPHS,
HISTORICAL MAP, PROPERTY RECORDS, ETC.)**

**Purchase Area Master Plan
Aerial Photograph Review
1955 and 1993**

Map Parcel No.	Tax ID No.	Owner Surname	Acreage	1955 On-site Observations	1983 On-site Observations	1993 On-site Observations	Changes from 1955 and 1993
A	067.00.00.095.00	Beckham	41.00	100% agriculture, few trees, 1 pond	100% agriculture, few trees, 1 pond	100% agriculture, few trees, 1 pond	no changes
B	067.00.00.096.00	Beckham	1.00	100% agricultural	100% agricultural, 1 building	100% agricultural, 1 building	added 1 building
70	084.00.00.101.00	Bone	3.50	100% agriculture	100% agriculture	100% agriculture	no changes
62	084.00.00.102.00	Bone	119.00	65% agriculture, 35% trees, 2 buildings, 1 pond, creek along the north border, Route 849 south border	100% agriculture, 1 creek (north border), route 849 south border	100% agriculture, 1 creek (north border), route 849 south border	agricultural land increased, 2 buildings removed, 1 pond removed
53	067.00.00.102.00	Boyd	20.50	95% agriculture, 5% trees, 2 buildings, small orchard	95% agriculture, 5% trees, 2 buildings, no orchard	95% agriculture, 5% trees, 2 buildings, 1 pond, no orchard	orchard removed and 1 pond added
46	067.00.00.105.00	Cissell	1.94	100% agriculture, 3 buildings	67% agriculture, 33% trees, no buildings	50% agriculture, some trees, 1 home	decreased agriculture, and addition of a home
25	066.00.00.074.00	Crawford	28.30	100% agriculture, few trees, creek crosses parcel west to east	80% agriculture, 20% trees, 1 creek	80% agriculture, 20% trees, 1 creek	agricultural land decreased
26	066.00.00.077.00	Crawford	16.30	40% agriculture, 60% trees	75% agriculture, 25% trees	75% agriculture, 25% trees	agricultural land increased
22	066.00.00.079.00	Crawford	18.00	90% in agriculture, 10% trees	90% in agriculture, 10% trees	90% agriculture, 10% trees	no changes
23	066.00.00.080.00	Crawford	193.00	75% agriculture, 25% trees, large pond (north side), 4 buildings, 1 creek across parcel west to east	75% agriculture, 25% trees, 2 buildings, 1 large pond, 1 creek	75% agriculture, 25% trees, 2 buildings, 1 large and 1 small pond, 1 creek	removed 2 buildings, added a small pond

**Purchase Area Master Plan
Aerial Photograph Review
1955 and 1993**

Map Parcel No.	Tax ID No.	Owner Surname	Acreage	1955 On-site Observations	1983 On-site Observations	1993 On-site Observations	Changes from 1955 and 1993
16	083.00.00.073.00	Crawford	225.90	75% agriculture, 25% trees, 4 creeks, 8 buildings, 1 small pond	80% agriculture, 20% trees, 4 creeks, 2 ponds, 3 buildings	80% agriculture, 20% trees, 4 creeks, 2 ponds, 3 buildings	increased agricultural land, removed 5 buildings added a pond
21	083.00.00.074.00	Crawford	19.00	50% agriculture, 50% trees, creek on east and west border	50% agriculture, 50% trees, creek on east and west border	50% agriculture, 50% trees, creek on east and west border	no changes
19	083.00.00.075.00	Crawford	19.00	50% agriculture, 50% trees, 2 creeks	90% agriculture, 10% trees, 2 creeks	90% agriculture, 10% trees, 2 creeks	agricultural land increased
18	083.00.00.077.00	Crawford	8.00	50% agriculture, 50% trees	30% agriculture, 70% trees	0% agriculture, 100 % trees	agricultural land decreased
48	083.00.00.052.00	Davenport	31.00	70% agriculture, 20% forest, 10% unused, Mayfield Creek located along the eastern edge	90% agriculture, 10% forest, Mayfield Ck. Located along eastern edge	100% agriculture, Mayfield Creek Located along the eastern edge	agricultural land increased
44	083.00.00.054.00	Davenport	31.00	0% agriculture, 100% trees	90% agriculture, 10% trees	90% agriculture, 10% trees	agricultural land increased
52	083.00.00.058.00	Davenport	20.00	90% agriculture, 10% trees, creek runs south north through the property	95% agriculture, 5% trees, creek runs south north through the property	95% agriculture, 5% trees, creek runs south north through the property	agricultural land increased
51	083.00.00.059.00	Davenport	60.00	80% agriculture, 20% trees, 6 buildings	80% agriculture, 20% trees, 6 buildings	85% agriculture, 15% trees, 9 buildings	agricultural land increased, 3 buildings added
31	083.00.00.065.00	Davenport	22.80	50% agriculture and trees, 1 building	50% agriculture and trees, no building	50% agriculture and trees, no building	one building removed
35	083.00.00.066.00	Davenport	1.30	100% trees	100% trees	100% trees	no changes

**Purchase Area Master Plan
Aerial Photograph Review
1955 and 1993**

Map Parcel No.	Tax ID No.	Owner Surname	Acreage	1955 On-site Observations	1983 On-site Observations	1993 On-site Observations	Changes from 1955 and 1993
27	083.00.00.068.00	Davenport	91.00	50% agriculture and trees, creek through the property	80% agriculture and 20% trees, creek through the property	80% agriculture and 20% trees, creek through the property	agricultural land increased
68	084.00.00.097.00	Davenport	28.00	70% agriculture, 30% trees, 3 buildings	90% agriculture, 10% trees, 2 building, 1 pond	90% agriculture, 10% trees, 1 building, 1 pond	increased agriculture and removed 2 buildings
67	084.00.00.098.00	Davenport	20.00	100% agriculture	100% agriculture	100% agriculture	no changes
59	084.00.00.099.00	Davenport	52.00	80% agriculture, 20% trees, 3 Buildings	80% agriculture, 20% trees, 18 Buildings, 1 small pond	75% agriculture, 30 buildings, 6 tractor trailers, 1 small pond	agricultural land decreased, 27 buildings added, 1 pond added, 6 tractor trailers added
61	084.00.00.100.00	Davenport	60.50	85% agriculture, 15% trees, 1 creek runs south north and the second creek is along the south border, 1 building	100% agriculture, 2 creeks	100% agriculture, 2 creeks	agricultural land increased, 1 building removed
56	084.00.00.103.01	Davenport	47.00	80% agriculture, 20% trees, creek along the southern border	100% agriculture, creek along the southern border	100% agriculture, creek along the southern border	agricultural land increased
64	083.00.00.057.00	Hendon	16.00	100% agriculture, few trees, 3 buildings	100% agriculture, few trees, 2 buildings, 1 pond	80% agriculture, 20% trees, 4 buildings, 1 pond	agricultural land decreased, 1 building added, 1 pond added
36	083.00.00.064.00	Hendon	23.70	80% agriculture, 20% trees, creek NW corner, 1 creek runs south to north	95% agriculture, 5% trees, 1 creek NW corner, 1 creek runs south to north	95% agriculture, 5% trees, 1 creek NW corner, 1 creek runs south to north	agricultural land increased
65	084.00.00.095.00	Hendon	73.00	75% agriculture, 25% trees, 4 buildings, creek through the middle	75% agriculture, 25% trees, 5 buildings, creek through the middle	75% agriculture, 25% trees, 7 buildings, creek through the middle	3 buildings added
57	067.00.00.097.00	Leonard	31.71	95% agriculture, few trees, 1 pond, 3 buildings, creek crosses the north 1/4 west to east	90% agriculture, 10% trees, 1 pond, 3 buildings, 1 creek	90% agriculture, 10% trees, 1 pond, 3 building, 1 creek	agricultural land decreased

**Purchase Area Master Plan
Aerial Photograph Review
1955 and 1993**

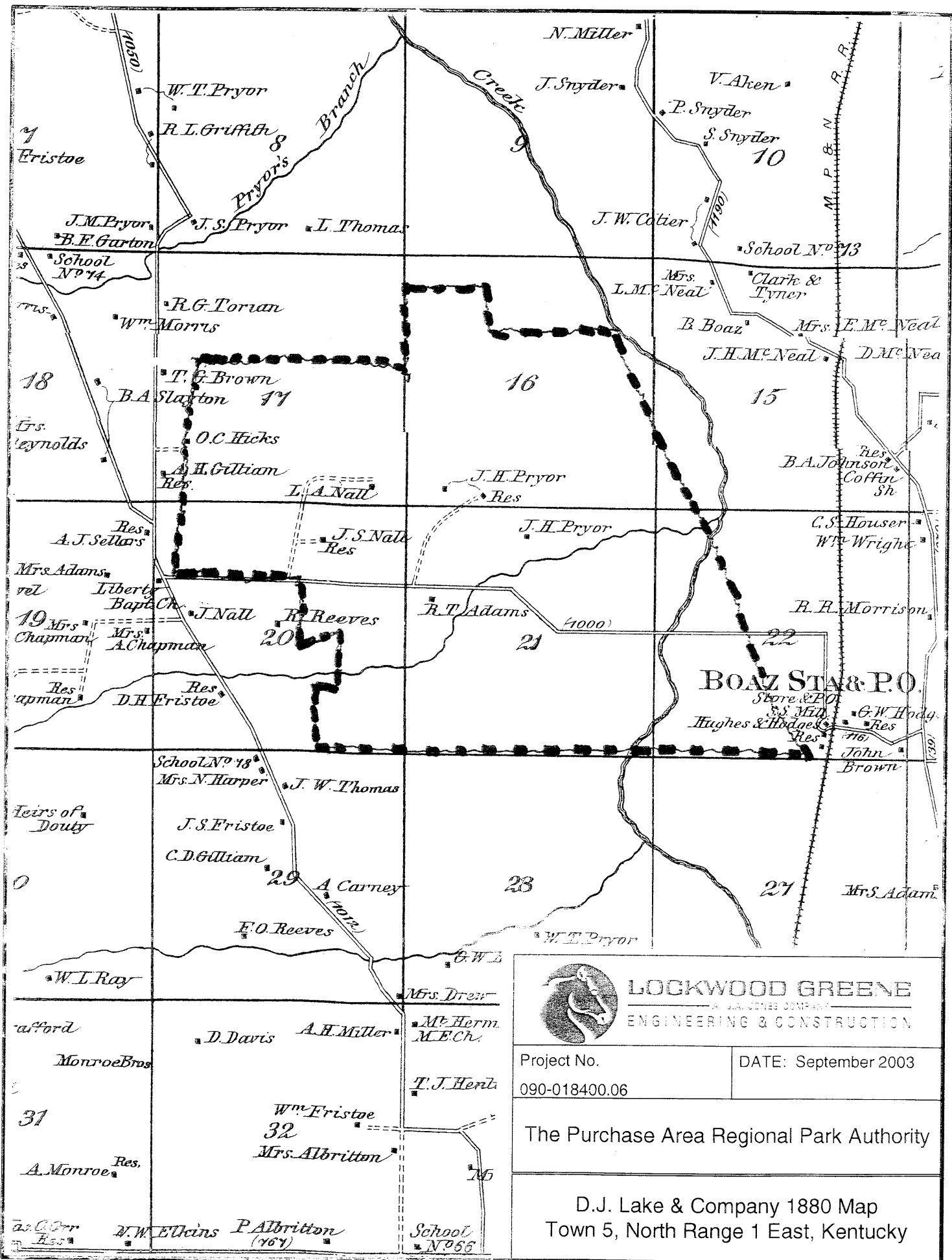
Map Parcel No.	Tax ID No.	Owner Surname	Acreage	1955 On-site Observations	1983 On-site Observations	1993 On-site Observations	Changes from 1955 and 1993
58	067.00.00.099.00	Leonard	1.00	80% undeveloped, 20% trees	10% undeveloped, 90% trees	homestead, with 2 buildings	homestead and 2 buildings added
55	067.00.00.100.00	Leonard	23.00	85% agriculture, 15% trees, creek through the middle	85% agriculture, 15% trees, creek through the middle	85% agriculture, 15% trees, creek through the middle	no changes
54	067.00.00.101.00	Leonard	25.00	40% agriculture, 30% trees, 30% fallow, 5 buildings, creek crosses south half	60% agriculture, 40% trees, 1 building, creek crosses south half	60% agriculture, 40% trees, 1 building, creek crosses south half	agricultural land increased, 4 buildings removed
29	067.00.00.107.00	Leonard	25.41	33% agriculture, 67% trees	30% agriculture, 70% trees, 15 buildings	25% agriculture, 75% trees, 16 buildings, looks like a maintenance area	agricultural land decreased, and 16 buildings were added
29A	067.00.00.108.00	Leonard	2.00	100% agriculture	100% agriculture	100% agriculture, one building	one building added
47	067.00.00.109.00	Leonard	1.50	100% agriculture	100% agriculture	100% agriculture	no changes
50	067.00.00.110.00	Leonard	79.50	95% agriculture, 5% trees, creek along the south border	95% agriculture, 5% trees, creek along the south border	90% agriculture, 10% trees, creek along the south border, 1 building	agricultural land decreased, 1 building added
39	067.00.00.106.00	Leonard	5.00	100% agriculture	98% agriculture, 2% trees, 1 building	100% agriculture, 2 buildings, small pond	added two buildings, and pond
69	084.00.00.096.00	Nall	20.00	100% agriculture, few trees, 2 buildings	95% agriculture, 5% trees, no buildings	90% agriculture, 10% trees, no buildings	decreased agriculture, and 2 buildings removed
24	083.00.00.072.00	Ray	116.21	65% agriculture, 35% trees, 3 creeks, 4 buildings, 2 ponds	65% agriculture, 35% trees, 3 creeks, 6 buildings, 3 ponds	65% agriculture, 35% trees, 3 creeks, 6 buildings, 3 ponds	added 2 buildings and 1 pond

**Purchase Area Master Plan
Aerial Photograph Review
1955 and 1993**

Map Parcel No.	Tax ID No.	Owner Surname	Acreage	1955 On-site Observations	1983 On-site Observations	1993 On-site Observations	Changes from 1955 and 1993
34	067.00.00.098.00	Thurston	55.00	85% agriculture, 15% trees, 3 buildings, 2 ponds	85% agriculture, 15% trees, 1 building, 1 pond	85% agriculture, 15% trees, 1 building, 1 pond	removed 2 buildings, removed 1 pond
32	067.00.00.103.00	Thurston	38.72	100% agriculture, few trees, 3 ponds, 2 buildings	100% agriculture, few trees, 5 buildings	100% agriculture, no trees, 7 buildings,	removed 3 ponds, added 5 buildings
45	067.00.00.104.00	Thurston	4.28	100% agriculture	100% agriculture, 1 building, few trees	100% agriculture, few trees, 1 building	added 1 building
41	083.00.00.060.00	Thurston	56.00	80% agriculture, 20% trees, 4 buildings, creek runs west to east through property	95% agriculture, 5% trees, 10 buildings, creek runs west to east through property	95% agriculture, 5% trees, 5 buildings, creek runs west to east through property	increased agricultural land and added one building
42	083.00.00.061.00	Thurston	15.00	100% agriculture, few trees	100% agriculture, few trees	100% agriculture, few trees	no changes
49	083.00.00.062.00	Thurston	2.60	75% agriculture, 25% trees, creek runs through the property	75% agriculture, 25% trees, creek runs through the property	75% agriculture, 25% trees, creek runs through the property	no changes
40	083.00.00.063.00	Thurston	13.00	75% agriculture, 25% trees, creek runs through the property south to north	85% agriculture, 15% trees, creek runs through the property south to north	85% agriculture, 15% trees, creek runs through the property south to north	agricultural land increased
30	083.00.00.067.00	Thurston	7.10	100% trees	100% trees	100% trees	no changes
33	083.00.00.071.00	Thurston	10.00	80% fallow, 20% trees	100% agriculture	100% agriculture	agricultural land increased
C	067.01.00.028.00	Wilson		100% agricultural, trees lined parcel boundaries, 1 building	100% agricultural, trees lined parcel boundaries, 1 building, 2 small ponds	100% agriculture, trees lined parcel boundaries, 1 buildings, 2 small ponds	added 2 ponds

**Purchase Area Master Plan
Aerial Photograph Review
1955 and 1993**

Map Parcel No.	Tax ID No.	Owner Surname	Acreage	1955 On-site Observations	1983 On-site Observations	1993 On-site Observations	Changes from 1955 and 1993
37	083.00.00.069.00	Wilson	6.28	100% forest, Mayfield Creek is the east property border	100% forest, Mayfield Creek is the east property border	100% forest, Mayfield Creek is the east property border	no changes
28	083.00.00.070.00	Wilson	3.00	100% forest, Mayfield Creek is the east property border	100% forest, Mayfield Creek is the east property border	100% forest, Mayfield Creek is the east property border	no changes
20	083.00.00.076.00	Wilson	12.00	90% agriculture, 10% trees, creek across the middle, and Mayfield Creek borders the east	100% agriculture, few trees, no creek through the middle	100% agriculture, few trees, no creek through the middle	agricultural land increased and creek across the middle removed



LOCKWOOD GREENE
 A QUALCONES COMPANY
 ENGINEERING & CONSTRUCTION

Project No.
 090-018400.06

DATE: September 2003

The Purchase Area Regional Park Authority

D.J. Lake & Company 1880 Map
 Town 5, North Range 1 East, Kentucky

Graves County Tax Assessor Records

Purchase Area Master Planning

1,800 Acre Site

Mayfield, Kentucky

Parcel	Map-Lot #	New Map - Lot #	Surname	Name	Acres	Description	Deed #	Value
16	83-38	083.00.00.073.00	Crawford	Mark & Chu Donna	225.90		377 67	\$384,200
18	83-40(P)	083.00.00.077.00	Crawford	Jean G. & Bettye	8.00		377 67	\$13,600
19	83-39	083.00.00.075.00	Crawford	Mark & Chu Donna	19.00		377 67	\$32,000
20	83-43	083.00.00.076.00	Wilson	Larry & Clarene	12.00		402 588	\$20,000
21	83-42	083.00.00.074.00	Crawford	Mark & Chu Donna	19.00		377 67	\$32,000
22	66-31A	066.00.00.079.00	Crawford	Jean G. & Bettye	18.00		265 668	\$22,770
23	66-34	066.00.00.080.00	Crawford	Jean G. & Bettye	193.00		377 67	\$328,100
24	83-37	083.00.00.072.00	Ray	John David & Mary Beth	116.21	House	347 672	\$132,200
25	66-32(P)	066.00.00.074.00	Crawford	Jean G. & Bettye	28.30	House / Buildings	280 827	\$130,000
26	66-33B(P)	066.00.00.077.00	Crawford	Jean G. & Bettye	16.30		280 827	\$30,000
27	83-25	083.00.00.068.00	Davenport	James Milton & Betty	91.00		210 344	\$145,000
28	83-24	083.00.00.070.00	Wilson	Eva Mae	3.00		295 361	\$3,000
29	67-2(P)	067.00.00.107.00	Leonard	Terry & Sandra	25.41	House / 3 Buildings	169 575	\$70,000
29A	67-16-D-1	067.00.00.108.00	Leonard	Terry & Sandra	2.00	2 Barns	385 59	\$27,500
30	83-26	083.00.00.067.00	Thurston	Elwanda R.	7.10		280 513	\$10,000
31	83-27	083.00.00.065.00	Davenport	Michael Kevin	22.80		318 230	\$30,000
32	67-5	067.00.00.103.00	Thurston	Kenneth	38.72	Mfg Home / 3 Tobacco Barns /Shed	211 515	\$160,000
33	83-36	083.00.00.071.00	Thurston	Elwanda R.	10.00		278 480	\$18,000
34	67-6	067.00.00.098.00	Thurston	Kenneth	55.00		341 77	\$80,000
35	83-28A	083.00.00.066.00	Davenport	Michael Kevin	1.30		318 230	\$3,000
36	83-28	083.00.00.064.00	Hendon	Elgie	23.70		313 593	\$30,000
37	83-23	083.00.00.069.00	Wilson	Douglas & Paulette	6.28		392 202	\$6,500
39	67-4	067.00.00.106.00	Leonard	Terry & Sandra	5.00	House	385 66	\$17,500
40	83-29	083.00.00.063.00	Thurston	Elwanda R.	13.00		159 462	\$15,000
41	83-33	083.00.00.060.00	Thurston	Elwanda R.	56.00	House / 3 Buildings / 2 Barns	280 791	\$140,000
42	83-35	083.00.00.061.00	Thurston	Elwanda R.	15.00		244 58	\$28,000
44	83-21(P)	083.00.00.054.00	Davenport	James Milton & Betty	31.00		257 516	\$46,500
45	67-5A	067.00.00.104.00	Thurston	Nancy Lee	4.28	House	341 73	\$51,000
46	67-3	067.00.00.105.00	Cissell	David & Debbie J.	1.94	House	326 50	\$40,800
47	67-16-D-1-1	067.00.00.109.00	Leonard	David & Lunele	1.50	Barn	384 702	\$27,500
48	83-22(P)	083.00.00.052.00	Davenport	James Milton & Betty	31.00		258 564	\$51,000
49	83-34	083.00.00.062.00	Thurston	Charlie & Elwanda	2.60		285 152	\$4,000
50	67-19(P)	067.00.00.110.00	Leonard	Richard	79.50		199 492	\$84,000
51	83-30	083.00.00.059.00	Davenport	James Milton & Betty	60.00	House	188 473	\$100,000
52	83-31	083.00.00.058.00	Davenport	James Milton & Betty	20.00		379 291	\$34,000
53	67-9	067.00.00.102.00	Boyd	Perry & Oneita	20.50	House / Building	192 4	\$110,000
54	67-8A	067.00.00.101.00	Leonard	David & Lunele	25.00	House / Garage	305 662	\$200,000
55	67-8	067.00.00.100.00	Leonard	David & Lunele	23.00		263 411	\$50,000
56	84-21A	084.00.00.103.00	Davenport	Michael Kevin	47.00		318 230	\$60,000
57	67-7A	067.00.00.097.00	Leonard	David & Lunele	31.71		384 699	\$40,000

Graves County Tax Assessor Records

Purchase Area Master Planning

1,800 Acre Site

Mayfield, Kentucky

Parcel	Map-Lot #	New Map - Lot #	Surname	Name	Acres	Description	Deed #	Value
58	67-7	067.00.00.099.00	Leonard	David & Lunele	1.00	House	384 699	\$26,000
59	84-23	084.00.00.099.00	Davenport	James Milton & Betty	52.00	House / 4 Buildings	379 273	\$170,000
61	84-22	084.00.00.100.00	Davenport	Michael Kevin	60.50		318 230	\$85,000
62	84-21	084.00.00.102.00	Bone	Sammie & Jeanette	119.00		314 49	\$130,000
64	83-32	083.00.00.057.00	Hendon	William H. & Elgie	16.00	House / Garage	134 299	\$50,000
65	84-26	084.00.00.095.00	Hendon	Elgie	73.00	House	313 593	\$100,000
67	84-24A	084.00.00.098.00	Davenport	James Milton & Betty	20.00		227 645	\$34,000
68	84-24	084.00.00.097.00	Davenport	Michael Kevin	28.00	House	318 230	\$60,000
69	84-25	084.00.00.096.00	Nall	Robert W. & Mary	20.00		243 63	\$25,000
70	84-22B	084.00.00.101.00	Bone	Sammie & Jeanette	3.50		314 49	\$7,000
A	67-43	067.00.00.095.00	Beckham	Glenn and Linnie	41.00		232 48	\$43,000
B	67-43-1	067.00.00.096.00	Beckham	Jennifer Marie	1.00		375 773	\$5,000
C			Wilson	Helen				
Total					1845.05			\$ 3,542,170



Parcel #62 - N 36° 53' 30.8", W 88° 38' 29.7" - Looking Down Tree Line



Parcel #62 - N 36° 53' 30.8", W 88° 38' 29.7" - Facing State Route 849



Parcel #62 – N 36° 53' 30.8", W 88° 38' 29.7" – Facing Mayfield Creek



Parcel #62 – N 36° 53' 06.0", W 88° 38' 46.7" – From Road Facing East



Parcel #50 – N 36° 53′ 25.1″, W 88° 40′ 42.4″ – Looking Towards Barn



Parcel #50 – N 36° 53′ 22.5″, W 88° 40′ 35.5″ – Facing East Overlooking Soybean Field



Parcel #50 – N 36° 53' 28.2", W 88° 40' 15.5" – NE Corner of Soybean Field Facing SW



Parcel #47 – N 36° 53' 46.7", W 88° 40' 37.7" – Well



Parcel #29A? – N 36° 53' 53.2", W 88° 40' 32.5" – Microwave Tower



Parcel #29 – N 36° 53' 51.2", W 88° 40' 30.8" – Tank Labeled "UST for Hazardous Fluids" on Grated Pit



Parcel #29 – N 36° 53' 47.2", W 88° 40' 34.2" – 55 Gallon Drums (Oil)



Parcel #29 – N 36° 53' 45.0", W 88° 40' 34.1" – Above Ground Diesel Storage Tanks



Parcel #26 - N 36° 54' 00.5", W 88° 40' 33.6" - Fallow Field Facing S



Parcel #25 - N 36° 54' 00.5", W 88° 40' 33.6" - Fallow Field Facing N



Parcel #22 – N 36° 54' 06.3", W 88° 40' 33.3" – Facing S



Parcel #23 – N 36° 54' 21.2", W 88° 40' 03.9" – Facing W



Parcel #23 – N 36° 54' 02.7", W 88° 40' 18.5" – Facing SE



Parcel #23 – N 36° 53' 54.7", W 88° 40' 13.7" – Drainage Area Facing N



Parcel #34 – N 36° 53' 48.4", W 88° 40' 01.3" – At Edge of Woods Facing S



Parcel #34 – N 36° 53' 48.4", W 88° 40' 01.3" – At Edge of Woods Facing W



Parcel #34 - N 36° 53' 38.1", W 88° 40' 11.8" - Facing NE



Parcel #34 - N 36° 53' 38.1", W 88° 40' 11.8" - Facing NW



Parcel #34 - N 36° 53' 43.2", W 88° 40' 11.3" - Well



Parcel #34 - N 36° 53' 37.7", W 88° 39' 59.8" - Fire Hydrant



Parcel #45 - N 36° 53' 37.9", W 88° 40' 20.2" - Facing N



Parcel #32 - N 36° 53' 52.2", W 88° 40' 14.7" - Facing S



Parcel #32 – N 36° 53' 44.8", W 88° 40' 22.8" – Above Ground Diesel Fuel Storage Tanks



Parcel #53 – N 36° 53' 27.7", W 88° 40' 25.6" – SW Corner of Soybean Field Facing NE



Parcel #53 – N 36° 53' 29.4", W 88° 40' 15.7" – SE Corner of Soybean Field Facing NW



Parcel #54 – N 36° 53' 36.2", W 88° 40' 14.4" – Above Ground Diesel Fuel Storage Tank



Parcel #55 - N 36° 53' 37.2", W 88° 40' 03.4" - Weigh Station Above Grated Pit



Parcel #55 - N 36° 53' 37.2", W 88° 40' 03.4" - Weigh Station Above Grated Pit



Parcel #58 – N 36° 53' 37.6", W 88° 39' 53.6" – Facing SW



Parcel #57 – N 36° 53' 18.8", W 88° 39' 57.7" – SW Corner of Tobacco Field Facing NE



Parcel #B - N 36° 53' 16.8", W 88° 39' 53.1" - Trailer



Parcel #49 - N 36° 53' 39.2", W 88° 39' 32.4" - SE Corner of Soybean Field Facing NW



Parcel #41 – N 36° 53' 28.4", W 88° 39' 50.0" – Above Ground Diesel Fuel Storage Tank



Parcel #41 – N 36° 53' 27.5", W 88° 39' 46.9" – Above Ground Storage Tank



Parcel #41 – N 36° 53' 27.5", W 88° 39' 48.2" – Above Ground Storage Tanks (Empty)



Parcel #41 – N 36° 53' 30.0", W 88° 39' 30.3" – SE Corner of Property Facing NW



Parcel #64 – N 36° 53' 28.8", W 88° 39' 32.9" – NE Corner of Property Facing SW



Parcel #36 – N 36° 53' 40.0", W 88° 39' 21.5" – SE Corner of Property Facing N



Parcel #36 – N 36° 53' 40.0", W 88° 39' 21.5" – SE Corner of Property Facing W



Parcel #31 – N 36° 53' 48.0", W 88° 39' 13.4" – NE Corner of Property Next to Wooded Area Facing SW



Parcel #40 – N 36° 53' 49.2", W 88° 39' 31.2" – SW Corner of Property Facing NE



Parcel #35 – Facing Front Edge of Parcel - 100% Forested Area



Parcel #24 - N 36° 53' 56.8", W 88° 39' 18.9" - NW Corner of Wooded Portion Near Parcel #31 Facing W



Parcel #24 - N 36° 53' 56.8", W 88° 39' 18.9" - NW Corner of Wooded Portion Near Parcel #31 Facing N



Parcel #24 – N 36° 53' 56.8", W 88° 39' 18.9" – NW Corner of Wooded Portion Near Parcel #31 Facing NE



Parcel #24 – N 36° 54' 07.5", W 88° 38' 56.5" – Discarded Farm Equipment



Parcel #24 - N 36° 53' 57.9", W 88° 39' 37.2" - Barn Full of Motors/Equipment Parts/Tires



Parcel #24 - N 36° 53' 58.6", W 88° 39' 36.1" - Storage Tank Next to Grain Silo



Parcel #24 - N 36° 53' 58.4", W 88° 39' 35.1" - Fuel Oil Tanks in Diked Area



Parcel #24 - N 36° 53' 58.4", W 88° 39' 35.1" - Evidence of Leakage from Diked Area



Parcel #16 – N 36° 54' 14.0", W 88° 39' 35.5" – NW Corner of Property Facing SE



Parcel #16? – N 36° 54' 45.4", W 88° 39' 19.2" – Facing W



Parcel #16 - N 36° 54' 00.3", W 88° 39' 49.4" - Above Ground Storage Tank (Empty)



Parcel #16 - N 36° 54' 14.9", W 88° 39' 07.4" - NE Corner of Soybean Field Facing E



Parcel #19 – N 36° 54' 28.2", W 88° 39' 37.5" – SW Edge of Wooded Part of Parcel #16



Parcel #69 – N 36° 53' 09.8", W 88° 39' 31.0" – Corner of Wooded Area by Parcel #68 Facing State Route 849



Parcel #68 - N 36° 53' 13.2", W 88° 39' 29.7" - Facing S



Parcel #68 - N 36° 53' 13.2", W 88° 39' 29.7" - Facing W

16.7 CONTRACT BETWEEN PARIPA AND LOCKWOOD GREENE

01840001



LOCKWOOD GREENE
A J.A. JONES COMPANY
ENGINEERING & CONSTRUCTION

7101 Executive Center Drive, Suite 297
Brentwood, Tennessee 37027
Phone (615) 221-0342
FAX (615) 221-5078

07 July 2003

Mr. Bill Beasley
General Manager
Purchase Area Regional Industrial Authority, Inc.
2000 McCracken Boulevard
Paducah, KY 42001

RE: Request for Proposal, Revision 1

Dear Bill:

Lockwood Greene is pleased to furnish this fee schedule for helping to achieve the successful development of the 2,000-acre business and industrial property in Graves County.

In the enclosed document, we provide a revised cost breakout including descriptions of key tasks aimed at achieving your development and marketing goals, and fees for professional services associated with each task is provided.

We have made a few assumptions concerning other aspects of the work that will eventually need to be performed, but have not been included in our proposal for this study. We have not included aerial photography and mapping of the site or a well water source study as part of this phase of work, but we believe that the total cost of this work will be approximately \$130,000.00 and \$100,000.00, respectively, for all three phases of the work. The aerial surveying should be done on a piece-by-piece as-needed basis, and the Phase I area can be provided for \$29,000.00. We have also estimated providing a boundary survey for the 1,150-acre Phase I area, and for 36 individual tracts that PRP hope to purchase soon. The boundary survey of the remaining areas is not included in this proposal. We will review the Workforce Assessment performed by Pathfinders in February 2001, plus information prepared by the Community College and Murray State University, update the regional civilian labor force and employment data, and make a recommendation if further surveys of the potential available workforce need to be performed. We will also assess current workforce training programs and provide recommendations for improvement as requested in the RFQ. If a new comprehensive labor force study similar to the Pathfinders study is necessary, then Lockwood Greene can provide this service on a very competitive fee basis.

COMPENSATION

We propose a Lump Sum Price for this effort, including labor and expenses, of *THREE HUNDRED NINETY-FIVE THOUSAND and no/100 Dollars (\$395,000.00)*, based on the attached standard terms and conditions. No additional work will be performed prior to approval from PRP. Based on your notice to proceed, we are ready to begin work immediately. Your signature below will indicate acceptance of this proposal and allow us to begin work prior to receiving a formal contract.

Dr. Robert Pittman's services can be provided on an as-needed basis for presentations, consulting, representing PRP to Economic Development Agencies, and other needs either on an On-Call basis of \$150.00 per hour plus expenses or on a Lump Sum basis for specified tasks. Other staff can be made available for special requests outside of the scope of this proposal under similar terms.

Mr. Bill Beasley
07 July 2003
Page 2 of 2

This proposal is valid for sixty days from the issued date. This proposal and all data contained herein are proprietary and shall not be disclosed to third parties without the express written consent of Lockwood Greene.

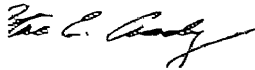
Please note that our fee schedule includes on-going implementation assistance for no cost, including one dinner in the Purchase Area with Legislators somewhere around December 1, 2003, lead sharing, access to our industry experts, and assistance with identifying funding sources. We want to be a partner in your efforts, not just a vendor.

Lockwood Greene looks forward to participating with the Purchase Region in planning for and promoting the successful development of its premier site for business and industry.

If you have any questions, please call me at 221-0342.

Sincerely,



LOCKWOOD GREENE



Stephen E. Crady, P.E.
Nashville Office Manager

Enclosures:
Fee Schedule
Lockwood Greene Terms & Conditions

PURCHASE AREA REGIONAL INDUSTRIAL AUTHORITY

	7-14-03
	7-14-03
Approved By	Date

Purchase Area Regional Industrial Authority Phase II Master Plan Study

General Scope - Furnish professional services to develop a strategy to successfully develop the PRP industrial property in Graves County, KY as a premier location to attract business and industry to the Purchase Area that will result in a maximum of high paying jobs. Three principal elements of the services shall be community and economic assessment and planning, land-use and development of land-use alternatives, and site evaluation and Phase II engineering. The dates shown are based on receiving a Notice to Proceed and performing a Kickoff Meeting prior to July 15th, 2003.

Fee Budgeting for Professional Services

Tasks, Deliverables, and Completion Dates	Completion Date	Professional Fees	Description
Task 1: Community and Economic Assessment and Planning	Principal LG Participants - Robert Pittman (Lead Economic Analyst), Doug Janney (Project Management, Team Coordination), Joan Herron (Target Industry Analyst), Steve Crady and Mark Workman (Local Liaison)		
Project Kickoff Meeting and Planning Workshop	7/14/03	\$3,000.00	Meet with PRP staff and board to ensure all key issues are identified and covered in project. Conduct regional workshop to solicit stakeholder views on goals and objectives for the regional industrial park. Provide report on workshop. (Workshop is optional, if PRP staff and board request.)
Initial Interviews / Community Stakeholders	7/16/03	\$5,000.00	Conduct interviews with and gather data from key regional stakeholders - business executives, elected officials, etc. Necessary input into competitive assessment update, target industry analysis, workforce assessment, and marketing plan.
Perform Competitive Assessment	7/25/03	\$20,000.00	Review/update competitive assessment completed by Lockwood Greene for the PACRO study. Benchmark PRP against competitive areas. Necessary input into target industry analysis, workforce assessment and marketing plan.
Target Industry Data Analysis	8/1/03	\$6,000.00	Gather and assess information on candidate target industries including site location requirements, growth rates, average wage rates, etc.
Prepare Draft Target Industry Report	8/22/03	\$6,000.00	Select target industries from hundreds of candidates. Prepare draft and final reports.
Conduct Best Practice Business Park Interviews	8/22/03	\$11,000.00	Identify 10 "best practice" successful industrial parks in areas similar to Purchase. Conduct detailed phone interviews covering marketing, infrastructure, keys to success, etc. Complete interview survey form.
Prepare Comparable Site Best Practices Analysis Report	9/5/03	\$2,000.00	Analyze best practice industrial park interviews; deduce key points from all interviews; prepare draft and final reports and recommendations for PRP.
Develop Infrastructure Cost Model	9/8/03	\$3,500.00	Prepare preliminary roadway and utilities infrastructure capacity requirements based upon potential ultimate development and phasing opportunities
Complete Workforce Assessment	10/3/03	\$7,500.00	Review Pathfinders labor availability study from Feb 2001, and the information compiled by the Community College and Murray State University. Analyze latest regional labor force and employment data. Gather testimonials on regional labor force from interviews. Assess current workforce training programs and needs. Recommend the next step in workforce assessment.
Complete Economic Impact Analysis	10/3/03	\$13,500.00	Conduct complete economic impact analysis of PRP covering jobs, incomes, tax revenues, etc. Analysis will include impact of construction, direct jobs (companies in the Park) and indirect jobs (multiplier effect). Use impact analysis to help make case for PRP to State.
Develop Budgetary Infrastructure and Utilities Cost Estimate	10/14/03	\$3,500.00	Identify principal cost differentiators between site development concepts. Prepare preliminary estimates of construction costs for initial phase(s) of infrastructure construction.
Prepare Final Presentation and Report	10/30/03	\$6,000.00	Present Final Power Point presentation to appropriate audience, and deliver all documents of the final report.
Subtotal		\$87,000.00	

Fee Budgeting for Professional Services			
Task 2: Land-Use and Development of Land-Use Alternatives	Principal LG Participants - Robert Pittman (Lead Marketing), Joan Herron (Economic Analyst), Doug Janney (Project Management, Team Coordination), Corbett Coburn (Environmental), Steve Crady and Mark Workman (Local Liaison)		
Prepare Conceptual Park Layouts Based on Economic Data	8/29/03	\$32,000.00	Assemble, review, and assess site infrastructure, environmental, general physical characteristics. Assemble, review, and assess economic development criteria presenting important site development criteria. Prepare two or three site development concepts based upon economic, and site physical internal and external influencing criterion. Review conceptual development options with PRP to agree upon selection of preferred conceptual approach or combination of approaches to be developed for further refinement and review. Prepare draft site development plan including developable areas, transportation and utilities infrastructure main routing, general buildout phasing and appropriate zoning of land uses. Prepare final development plan presentation and promotional documents utilizing PowerPoint presentation system to include: potential ultimate development plan, infrastructure overlays, aerial views of principal development areas.
Complete Marketing Plan	10/10/03	\$21,000.00	Prepare draft report of complete target industry marketing plan for PRP, including goals, objectives and specific strategic actions (advertising, direct mail, etc.) Budget and staffing recommendations for 3-5 year plan. Conduct marketing workshop. Finalize marketing plan based on workshop.
Prepare Draft Covenants and Conceptual Layouts (August 1, 2003)	9/12/03	\$14,500.00	Prepare draft declaration of covenants and principal design guidelines for development. Review draft site development plan with PRP, including potential ultimate development plan, phasing opportunities, and draft covenants to agree upon final refinements to development plan and supporting documents. Prepare pre-final refinements of development plan and presentation documents - include pre-final adjustments to covenants and desing guides documents (be verified and finalized by PRP legal counsel). Conduct pre-final progress review with PRP to confirm final development plan, phasing and budgetary issues.
Develop Basic Maps: Boundary, Topography, Wetlands, Soils	9/19/03	\$5,500.00	Prepare comprehensive electronic base mapping defining principal site features including reasonably developable area, non-developable area, roadway and utility infrastructure tie-in locations, and environmental features
Publish Final Reports and Promotional Documents	10/30/03	\$4,000.00	Assemble and reproduce final presentation documents and electronic files - master plan, covenants, and design guides
Subtotal		\$77,000.00	

Fee Budgeting for Professional Services			
Task 3: Site Evaluation and Phase II Engineering	Principal LG Participants - Dong Janney (Lead Site Design), Eddie Hart (Site Master Planner), Chris Farmer (Geotechnical), Corbett Coburn (Environmental, Archaeological, Historical), Kevin Crider (Civil Engineering), Steve Crady and Mark Workman (Local Liaison)		
Identify and Map Utility Locations	8/15/03	\$51,000.00	Base Maps of boundary/floodplain/floodway using conventional surveys. Floodplain and Floodway for blue line stream that runs from KY 1246 to Leon Boyd Road.
Preliminary Soil Borings	8/15/03	\$24,000.00	Parcels 41, 42, 33, 23, 34, 57, 53, 65, 64, 54, 53, and 45.
Coordination with Local Utilities	8/15/03	\$9,000.00	Coordinating with local water companies and others. Interview utility and TVA personnel.
On-Site Archeological and Historic Analysis	9/12/03	\$28,000.00	Document Acquisition and Review - Phase I Site Survey - Report - Record Search - Regulatory Communications & Review
Wetland Studies	9/12/03	\$49,000.00	Document Acquisition and Review - Field Verification - Classification and Delineation of Boundaries - Report - Record Search - Regulatory Communications & Review
Utility Corridors Environmental Analysis	9/12/03	\$16,000.00	Document Acquisition and Review - Field Verification - Classification and Delineation of Boundaries - Report - Record Search - Regulatory Communications & Review
Rail Spur Environmental Analysis	9/12/03	\$28,000.00	Document Acquisition and Review - Field Verification - Classification and Delineation of Boundaries - Report - Record Search - Regulatory Communications & Review
Environmental Site Assessment	10/3/03	\$26,000.00	ASTM Phase I - Threatened and Endangered Species - Regulated Natural Resources Survey - Record Search - Final Report
Subtotal		\$231,000.00	
On-Going Implementation Assistance	Principal LG Participants - Robert Pittman (Lead Marketing), Doug Janney (Project Management, Team Coordination), Steve Crady (Local Liaison)		
One Dinner		\$0.00	Dinner with Area Legislators in Purchase Area sometime around December 1, 2003.
Sharing Intelligence		\$0.00	As appropriate during on-going relationship
Access to LG Industry Expert		\$0.00	As appropriate during on-going relationship
LG Clients		\$0.00	Provide Lockwood Greene's customers information about the Graves County benefits and opportunities as appropriate during on-going relationship
Funding Support		\$0.00	Identification of potential grants and other sources of funds. Completion of applications on time and material basis as requested.
Ongoing Technical Assistance		\$0.00	Access to Lockwood Greene industry experts for industry-specific trends and requirements in preparation for prospect visits and/or industry networking initiatives as appropriate during on-going relationship
Subtotal		\$0.00	
Grand Total		\$395,000.00	

Terms & Conditions

1. Lockwood Greene has no responsibility or liability for Construction work, nor any responsibility for the performance of the Construction Contractor(s) performing the work, including means, methods, techniques, sequences and procedures, schedule performance, or safety precautions.
2. Lockwood Greene shall not be liable for any special, collateral, indirect, incidental or consequential damages. Lockwood Greene's total liability to the Owner for any losses, claims, expenses, or damages arising from Lockwood Greene's negligent acts, errors, or omissions related to this Project shall not exceed the amount of Lockwood Greene's fee for the Project.
3. Lockwood Greene represents that the services provided under this agreement will be performed to the level of care ordinarily used by other competent engineers and architects performing similar services in the same geographical area. No other representation, guarantee, or warranty, expressed or implied, is intended in or by this agreement.
4. The Owner shall require the Construction Contractor(s) and subcontractors to have all insurance policies endorsed as additional insureds and indemnify both the Owner and Lockwood Greene from liability as a result of the performance by the Construction Contractor(s) or subcontractors. The Insurance carrier shall send certificates of insurance coverage and endorsement to the Owner and Lockwood Greene.
5. The Owner shall notify Lockwood Greene in writing within 30 days of any claim or possible claim of the Owner's against Lockwood Greene arising out of any negligent act, error or omission in performance of services by Lockwood Greene.
6. Invoices will be submitted monthly for services rendered in accordance with the compensation basis described herein. Payment is due 30 days after receipt of invoice. Interest shall apply at 1% per month for invoices 30 days past due.
7. Cost estimates and budgets prepared by Lockwood Greene are based on judgment and experience but are not to be construed as guarantees of cost. Predictions of economic feasibility, operating efficiency, costs, and such other matters developed during designs, are forecasts based upon Lockwood Greene's judgment and experience and shall not constitute guarantees.

The Purchase Regional Park

Boaz, Kentucky

**Phase II Environmental Assessment
For
The Purchase Area Regional Industrial Authority**

December 2003

PHASE II ENVIRONMENTAL SITE ASSESSMENT

For

The Purchase Area Regional Industrial Authority (PARIA)

Project No. 090-018400.06
Revision 0

PREPARED BY:



John Oster, MS

REVIEWED BY

C.B. Coburn, Phd.
Environmental Group Leader

APPROVED BY:

Steven Crady
Project Manager

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	Appendix B.....Sample Location Map and Analytical Results	
	Appendix C.....Laboratory Analytical Report	

1.0 INTRODUCTION

Lockwood Greene performed a Phase I Environmental Assessment (Phase I) of the Purchase Regional Park property (reference Appendix A for a site location map) for the Regional Industrial Park Authority (September 2003). The Phase I was conducted in accordance with the requirements of ASTM Standard E1527-00 and is intended to constitute "all appropriate inquiry into the previous ownership and uses of a property" to identify recognized environmental conditions (RECs) and satisfy one element of the innocent purchaser defense to Super Fund liability. The results of the Phase I found the following "recognized environmental conditions":

- Mark Crawford parcel No. 16, includes empty above ground diesel storage tank.
- David Leonard parcel No. 54 includes an above ground diesel fuel tank.
- Terry Leonard parcel No. 29A, includes two 500 gallon fuel tanks (one for diesel and one for gasoline). Parcel 29 includes a tank located on top of a grated pit that is labeled "UST for hazardous fluids". On November 11, 2003 Mr. Leonard was interviewed by John Oster of Lockwood Greene and was asked about the tank located on top of a grated pit. Mr. Leonard stated that this tank had been used for water storage only as far as he knows had never stored hazardous fluids. Based on this addition information sampling of this area was not conducted.
- David Ray parcel No. 24, includes spent industrial lead acid batteries, 25 square foot oil stain, 500, 1,000, and 2,000 gallon above ground diesel tanks located inside a containment area (evidence of leakage), several 55 gallon oil drums, pile of waste tires, Drums of petroleum lubricants (Rotela) (evidence of leakage).
- Kenneth Thurston parcels No. 32 and 34, includes two above ground fuel tanks.
- Ewanda Thurston parcel 41, includes several empty above ground storage tanks were noted. At the time of the phase II investigation the empty above ground storage tanks were not located. The only above ground tank located on this parcel was a single diesel fuel tank and it was not empty.
- Helen Wilson parcel No. C, includes former gasoline pump, underground gasoline tank, and an above ground fuel tank. The RECs associated with this parcel are historical, because these storage tanks and associated equipment

were removed over 20 years ago. According to instructions from the client this property will be investigated at a later date.

- Larry Wilson parcel No. 20, includes two former 250 gallon above ground fuel tanks (one for gasoline and one for diesel). These tanks are also considered historical and were removed before 1948. At the time of the phase II investigation the location of these former tanks could not be ascertained.

To address the above Phase I concerns Lockwood Greene conducted a Phase II environmental assessment (Phase II). The Phase II evaluated the RECs identified in the Phase I for the purpose of providing enough information regarding the nature and extent of potential contamination.

Lockwood Greene conducted a limited Phase II Environmental Assessment that included the following work activities and deliverables:

- A) Lockwood Greene collected by hand auger fourteen (14) shallow soil samples (approximately 2 feet below the surface). The location, and number of soil samples are presented in the table below.

Parcel Number (Owner)	Specific Location	Number of Samples
16 (Mark Crawford)	One diesel AST	1
54 (David Leonard)	One diesel AST	1
29 (Terry Leonard)	One diesel AST, one gasoline AST, and one oil AST	5
24 (David Ray)	Lead acid battery storage area	1
24 (David Ray)	Oil stain area	1
24 (David Ray)	Fuel oil tank farm	1
24 (David Ray)	Oil drum storage area	1
32 (Kenneth Thurston)	One diesel AST and one gas AST	2
41 (Ewanda Thurston)	One diesel AST	1

- B) An independent certified laboratory performed laboratory analysis of all soil samples for the presence of the following chemicals:
- Heavy metals (one sample for lead only)
 - TPH DRO (nine samples)
 - TPH GRO (four samples)

2.0 INVESTIGATION SAMPLING AND ANALYSIS

Lockwood Greene collected a total of 14 soil samples from six parcels on November 12, 2003. Samples were collected by hand auger approximately two feet below the surface. All soil samples were submitted to Severn Trent Laboratories, Inc. in Savannah, Georgia for laboratory analysis. The target compounds for analysis include: gas range organics (GRO), diesel range organics (DRO), and lead. The sample locations and results are summarized in Appendix B and laboratory report is presented in Appendix C.

3.0 INVESTIGATION ANALYTICAL RESULTS

The results as summarized in Figure 2-1 show that of the 14 samples analyzed, nine samples were below the detection limit and five samples had positive results. The four samples with positive results are as follows:

1. Soil sample from under the Terry Leonard diesel tank tested positive for GRO (3.6 mg/kg).
2. Soil sample from under the Terry Leonard diesel tank tested positive for DRO (310 mg/kg).
3. Soil sample from under the front of the Terry Leonard oil tank tested positive for DRO (130 mg/kg).
4. Soil sample from under the middle of the Kenneth Thurston diesel fuel tank tested positive for DRO (30 mg/kg)
5. Soil sample from the David Ray lead battery storage area tested positive for lead (37 mg/kg).

The allowable contamination limit for lead in soil is 50 mg/kg. Therefore the soil collected from the lead battery storage area is below the lead contamination threshold.

There are no numerical regulatory standards for DRO or GRO in the State of Kentucky, therefore the DRO and GRO results essentially provide only a qualitative indication that a release has occurred.

4.0 CONCLUSIONS AND RECOMMENDATIONS

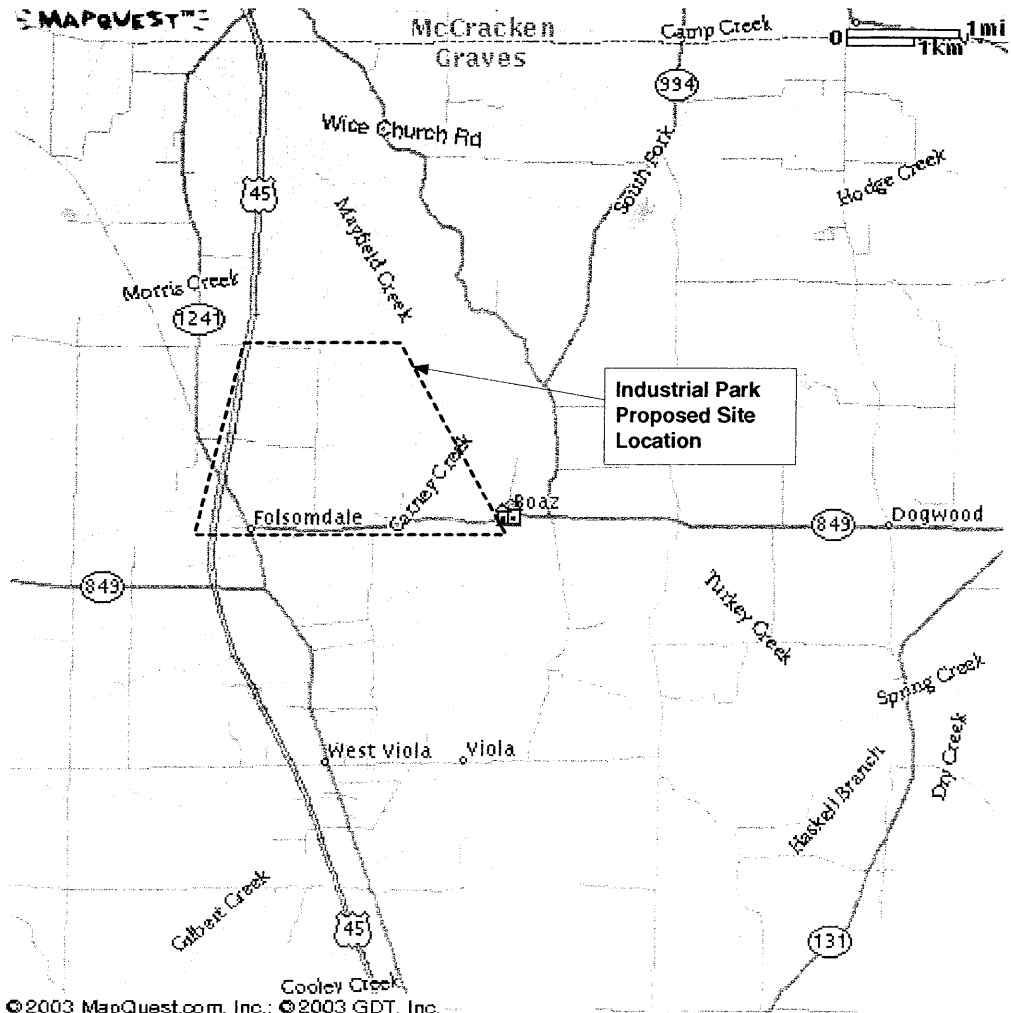
The first objective of this investigation was to determine whether or not a petroleum release had occurred as a result of leaks, overfills, or spills associated with the above ground storage tanks located on several parcels of the proposed Purchase Area Industrial Park site. The second objective was to determine whether or not a release of lead battery acid had occurred as a result of spills or leaks associated with the storage of batteries located on the David Ray parcel of the proposed Purchase Area Industrial Park site.

Petroleum hydrocarbons in the form of DRO and GRO were detected in soil samples obtained under the Terry Leonard diesel and oil above ground storage tanks and the Kenneth Thurston diesel above ground storage tank. Because there are no numerical regulatory standards for DRO or GRO in the State of Kentucky, the results essentially provide only a qualitative indication that a release occurred. At the present concentrations and considering the proposed future use of the site, Lockwood Greene recommends that contaminated soils from these areas be excavated down three to four feet. The excavated soil is hauled off-site to secure landfill and exposed soil can then be sampled and analyzed for State regulated pollutants associated with petroleum storage tanks. The State regulated pollutants include BTEX, PAH, and TPH. Clean closure for surface releases of above ground storage tanks can be achieved, if the soil concentrations for regulated pollutants are below allowable levels.

Lead was detected in the soil sample obtained adjacent to the David Ray battery storage area. The concentration of lead detected in this soil sample is below the State numerical regulatory standard. At the present lead in soil concentration of 37 mg/l and the proposed future use of the site, Lockwood Greene does not recommend additional testing nor remediation of this area.

5.0 APPENDIX

APPENDIX A
SITE LOCATION MAP



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ENGINEERING & CONSTRUCTION

Project No.
090-018400.06

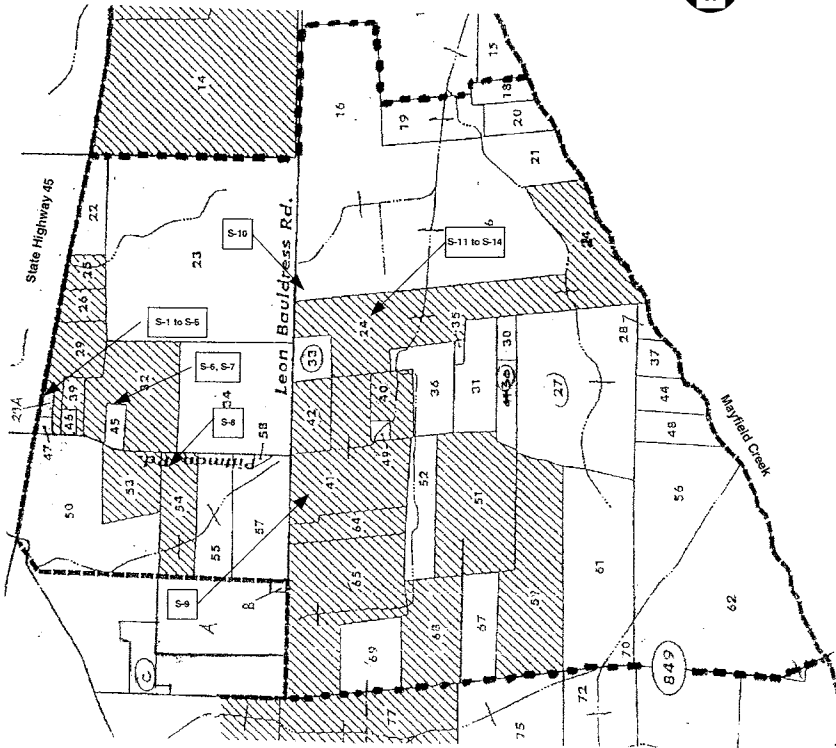
DATE: December 2003

The Purchase Area Regional Park Authority

Site Location Map
Boaz, Kentucky

APPENDIX B


SAMPLE LOCATION MAP AND ANALYTICAL RESULTS



Map Legend	
Industrial Park Boundary:	-----
Parcel Numbers:	29, 32, 54, etc
Soil Sample Numbers:	S-1, S-2, S-3, etc

Analytical Results of Soil Samples (mg/kg)								
Sample ID	Parcel Number	Parcel Owner	Sample Location	Sample Depth (ft)	Sample Type	GRO	DRO	Lead
S-1	29	Terry Leonard	Front & Back of gas tank	2	composite	<0.29	na	na
S-2	29	Terry Leonard	Front & Back of diesel tank	2	composite	3.6	na	na
S-3	29	Terry Leonard	Front & Back of diesel tank	2	composite	na	310	na
S-4	29	Terry Leonard	Front of the oil tank	2	grab	na	130	na
S-5	29	Terry Leonard	Back of the oil tank	2	grab	na	<4.3	na
S-6	32	Kenneth Thurston	Middle of diesel tank	2	grab	na	30	na
S-7	32	Kenneth Thurston	Middle of gas tank	2	grab	<0.29	na	na
S-8	54	David Leonard	Middle of gas tank	2	grab	<0.32	na	na
S-9	41	Ewanda Thurston	Middle of diesel tank	2	grab	na	<3.7	na
S-10	16	Mark Crawford	Middle of diesel tank	2	grab	na	<4.0	na
S-11	24	David Ray	Oil tank farm containment	2	grab	na	<4.1	na
S-12	24	David Ray	Oil drum storage area	2	grab	na	<4.1	na
S-13	24	David Ray	Oil stain area	2	grab	na	<4.1	na
S-14	24	David Ray	Lead battery area	2	grab	na	na	37

Table Legend	
GRO-Gasoline Range Organics	
DRO-Diesel Range Organics	



LOCKWOOD GREENE
A J.A. JONES COMPANY
ENGINEERING & CONSTRUCTION

Project No. _____ DATE: November 2003
090-018400.06

The Purchase Area Regional Park Authority

Soil Sample Location Map & Analytical Results
Boaz, Kentucky

APPENDIX C
LABORATORY ANALYTICAL REPORT



STL Savannah 5102 LaRoche Avenue - Savannah GA 31404 Telephone:(912) 354-7858 Fax:(912) 351-3673

Analytical Report

For: Mr. John Oster
Lockwood Greene Technology
250 Williams Street, Suite 2350
Atlanta, GA 30303
CC:

Order Number: S389235
SDG Number:
Client Project ID: 090-018400.06
Project: Purchase Area
Report Date: 11/26/2003
Sampled By: Client
Sample Received Date: 11/13/2003
Requisition Number:
Purchase Order:

Bernard Kirkland, Project Manager
bkirkland@stl-inc.com

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Sample Summary

Order: S389235
Date Received: 11/13/2003

Client: Lockwood Greene Technology
Project: Purchase Area

Client Sample ID	Lab Sample ID	Matrix	Date Sampled
S-1	S389235*1	Solid	11/12/2003 10:50
S-2	S389235*2	Solid	11/12/2003 11:25
S-7	S389235*3	Solid	11/12/2003 12:30
S-8	S389235*4	Solid	11/12/2003 13:00
S-3	S389235*5	Solid	11/12/2003 11:25
S-4	S389235*6	Solid	11/12/2003 11:40
S-5	S389235*7	Solid	11/12/2003 11:50
S-6	S389235*8	Solid	11/12/2003 11:21
S-9	S389235*9	Solid	11/12/2003 13:54
S-10	S389235*10	Solid	11/12/2003 14:14
S-11	S389235*11	Solid	11/12/2003 14:30
S-12	S389235*12	Solid	11/12/2003 14:48
S-13	S389235*13	Solid	11/12/2003 03:05
S-14	S389235*14	Solid	11/12/2003 15:15

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
89235-1	S-1	Solid	11/13/03	11/12/03 10:50	
89235-2	S-2	Solid	11/13/03	11/12/03 11:25	
89235-3	S-7	Solid	11/13/03	11/12/03 12:30	
89235-4	S-8	Solid	11/13/03	11/12/03 13:00	

Parameter	Units	Lab Sample IDs			
		89235-1	89235-2	89235-3	89235-4
		S-1	S-2	S-7	S-8
Gasoline Range Organics (8015M)					
Hydrocarbons as GRO	mg/kg dw	<0.29	3.6	<0.29	<0.32
Surrogate -					
a,a,a-Trifluorotoluene *	%	100 %	113 %	100 %	100 %
Percent Solids		80	79	82	77
Prep Date		11/17/03	11/17/03	11/17/03	11/17/03
Analysis Date		11/17/03	11/17/03	11/17/03	11/17/03
Batch ID		1A1117	1A1117	1A1117	1A1117
Analyst		MJY	MJY	MJY	MJY

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
89235-5	S-3	Solid	11/13/03	11/12/03 11:25	
89235-6	S-4	Solid	11/13/03	11/12/03 11:40	
89235-7	S-5	Solid	11/13/03	11/12/03 11:50	
89235-8	S-6	Solid	11/13/03	11/12/03 11:21	
89235-9	S-9	Solid	11/13/03	11/12/03 13:54	

Parameter	Units	Lab Sample IDs				
		89235-5	89235-6	89235-7	89235-8	89235-9
		S-3	S-4	S-5	S-6	S-9
Diesel Range Organics (8015)						
Hydrocarbons as DRO	mg/kg dw	310	130	<4.3	30	<3.7
Surrogate - o-Terphenyl *	%	80 %	82 %	73 %	58 %	71 %
Percent Solids		80	78	76	86	89
Prep Date		11/19/03	11/19/03	11/19/03	11/19/03	11/19/03
Analysis Date		11/21/03	11/21/03	11/21/03	11/21/03	11/21/03
Batch ID		1119U	1119U	1119U	1119U	1119U
Analyst		JAM	JAM	JAM	JAM	JAM

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
89235-10	S-10	Solid	11/13/03	11/12/03 14:14	
89235-11	S-11	Solid	11/13/03	11/12/03 14:30	
89235-12	S-12	Solid	11/13/03	11/12/03 14:48	
89235-13	S-13	Solid	11/13/03	11/12/03 03:05	

Parameter	Units	Lab Sample IDs			
		89235-10	89235-11	89235-12	89235-13
		S-10	S-11	S-12	S-13
Diesel Range Organics (8015)					
Hydrocarbons as DRO	mg/kg dw	<4.0	<4.3	<4.1	<4.1
Surrogate - o-Terphenyl *	%	76 %	81 %	72 %	78 %
Percent Solids		82	77	80	81
Prep Date		11/19/03	11/19/03	11/19/03	11/19/03
Analysis Date		11/21/03	11/21/03	11/21/03	11/21/03
Batch ID		1119U	1119U	1119U	1119U
Analyst		JAM	JAM	JAM	JAM

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
89235-14	S-14	Solid	11/13/03	11/12/03 15:15	

Parameter	Units	Lab Sample IDs
		89235-14
Lead (6010)		S-14
Lead	mg/kg dw	37
Percent Solids		76
Prep Date		11/14/03
Analysis Date		11/20/03
Batch ID		1114C
Analyst		PM

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
89235-15	Method Blank	Solid	11/13/03		
89235-16	Lab Control Standard % Recovery	Solid	11/13/03		
89235-17	LCS Accuracy Control Limit (%R)	Solid	11/13/03		

Parameter	Units	Lab Sample IDs		
		89235-15	89235-16	89235-17

Gasoline Range Organics (8015M)

Hydrocarbons as GRO	mg/kg dw	<0.25	66 %	40-140 %
Surrogate - a,a,a-Trifluorotoluene *	%	100 %	100 %	61-139 %
Prep Date		11/17/03	11/17/03	
Analysis Date		11/17/03	11/17/03	
Batch ID		1A1117	1A1117	
Analyst		MJY	MJY	

Diesel Range Organics (8015)

Hydrocarbons as DRO	mg/kg dw	<3.3	88 %	40-140 %
Surrogate - o-Terphenyl *	%	80 %	85 %	15-154 %
Prep Date		11/19/03	11/19/03	
Analysis Date		11/21/03	11/21/03	
Batch ID		1119U	1119U	
Analyst		JAM	JAM	

Lead (6010)

Lead	mg/kg dw	<0.50	107 %	75-125 %
Prep Date		11/14/03	11/14/03	
Analysis Date		11/20/03	11/20/03	
Batch ID		1114C	1114C	
Analyst		PM	PM	