Voluntary Remediation Plan Application Form and Checklist

VRP APPLICANT INFORMATION					
COMPANY NAME					
CONTACT PERSON/TITLE	Mrs. Ruth C. Yardum and/or John Yardum (property owners)				
ADDRESS	P.O. Box 5754, Sherman Oaks, CA 91413				
PHONE	(310) 472-0741	FAX		E-MAIL	jyardum@realbroker.com

GEORGIA CERTIFIED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER OVERSEEING CLEANUP					
NAME	Garey L. Simpson, PG			GA PE/PG NUMBER	621
COMPANY	LandMark Resources, LLC				
ADDRESS	4852 Creekland Trace, NE, Marietta, GA 30062				
PHONE	(770) 377-7700	FAX	(770) 552-0476	E-MAIL	glsimpson@bellsouth.net

APPLICANT'S CERTIFICATION

In order to be considered a qualifying property for the VRP:

(1) The property must have a release of regulated substances into the environment;
(2) The property shall not be:
- (A) Listed on the federal National Priorities List pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9601.
- (B) Currently undergoing response activities required by an order of the regional administrator of the federal Environmental Protection Agency; or
- (C) A facility required to have a permit under Code Section 12-8-66.

(3) Qualifying the property under this part would not violate the terms and conditions under which the division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency.
(4) Any lien filed under subsection (e) of Code Section 12-8-96 or subsection (b) of Code Section 12-13-12 against the property shall be satisfied or settled and released by the director pursuant to Code Section 12-8-94 or Code Section 12-13-6.

In order to be considered a participant under the VRP:
- (1) The participant must be the property owner of the voluntary remediation property or have express permission to enter another's property to perform corrective action.
- (2) The participant must not be in violation of any order, judgment, statute, rule, or regulation subject to the enforcement authority of the director.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify that this property is eligible for the Voluntary Remediation Program (VRP) as defined in Code Section 12-8-105 and I am eligible as a participant as defined in Code Section 12-8-106.

APPLICANT'S SIGNATURE	(Mrs. Ruth C. Yardum and/or John Yardum (Owners))		
APPLICANT'S NAME/TITLE (PRINT)		**DATE**	**March 29th, 2010**

Mail completed Voluntary Remediation Plan Application Form and Checklist, Voluntary Remediation Plan, and $5,000 Application Fee to:

Georgia Hazardous Sites Response Program
VRP Coordinator, Suite 1462
2 Martin Luther King Jr. Drive, SE
Atlanta, GA 30334

QUALIFYING PROPERTY INFORMATION –PROPERTY #1			
TAX PARCEL ID	Land Lot 245, District 17	PROPERTY SIZE (ACRES) 16.23 acres on survey, including adjacent 2.65 acres	
PROPERTY ADDRESS	2100 Spink Street		
CITY	Atlanta	COUNTY	Fulton
LATITUDE	33* 48' 33" N	LONGITUDE	84* 27' 52" W
PROPERTY OWNER(S)	Mrs. Ruth C. Yardum and/or John Yardum	PHONE #	(310) 472-0741
MAILING ADDRESS	P.O. Box 5754		
CITY	Sherman Oaks	STATE/ZIP	CA 91413
QUALIFYING PROPERTY INFORMATION –PROPERTY #2			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
LATITUDE		LONGITUDE	
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIP	
QUALIFYING PROPERTY INFORMATION –PROPERTY #3			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
LATITUDE		LONGITUDE	
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIP	
QUALIFYING PROPERTY INFORMATION –PROPERTY #4			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	

PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIP	

Please add additional sheets as necessary to include all qualifying properties.

ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (leave Blank)
1	**$5,000 APPLICATION FEE** IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES.	(Attached)	
2	**WARRANTY DEED(S)** FOR EACH QUALIFYING PROPERTY(IES).	(Attached)	
3	**TAX PLAT** OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY(IES) BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBERS.	Attached	
4	**ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES** OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF).	Attached* previous reports VRP pending	
a	**TABLE OF REGULATED SUBSTANCES RELEASED** AT THE QUALIFYING PROPERTY.	Attached*	
b	**TABLE OF SITE DELINEATION CONCENTRATION** FOR EACH REGULATED SUBSTANCE ALONG WITH A REFERENCE TO THE SPECIFIC DELINEATION CRITERIA USED [i.e. 12-8-108(1)(A), 12-8-108(1)(B), 12-8-108(1)(C), 12-8-108(1)(D), OR 12-8-108(1)(E) FOR EACH REGULATED SUBSTANCE. CALCULATIONS FOR 12-8-108(1)(E) MUST BE INCLUDED TO DEMONSTRATE OTHER CRITERIA DO NOT EXCEED 12-8-108(1)(E)].	Pending	
i	**SITE DELINEATION MAP** OF MINIMUM SCALE OF 1"= 200' AND VERTICAL CROSS-SECTIONS SHOWING DELINEATION OF REGULATED SUBSTANCES TO SITE DELINEATION CONCENTRATIONS HORIZONTALLY AND VERTICALLY, INCLUDING PROPERTY BOUNDARIES. SITE DELINEATION MAY NOT BE EXTRAPOLATED.	Pending	
c	**TABLE OF CLEANUP STANDARDS** FOR EACH REGULATED SUBSTANCE AND EACH MEDIA LISTED BELOW ALONG WITH A REFERENCE TO THE SPECIFIC CLEANUP STANDARD USED [i.e. DEFAULT TYPE 1 RRS, SITE SPECIFIC TYPE 2 RRS, DEFAULT TYPE 3 RRS, SITE SPECIFIC TYPE 4 RRS, OR TYPE 5 RRS]. COMPLETE CALCULATIONS MUST BE PROVIDED FOR EACH REGULATED SUBSTANCE IN EACH MEDIA.	Pending, Type 3 RRS recommended for Lead in Soil & Groundwater	
i	**SOURCE**	Sewage, Storm Water and Indigenous Ores	
ii	**SOIL** (SOIL HORIZONS MUST BE SPECIFIED WHERE DEPTH-SPECIFIC SOIL CRITERIA ARE APPLIED)	pending	

ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (leave Blank)
iii	**GROUNDWATER** IF THE APPLICANT IS REQUESTING REMOVAL FROM THE HAZARDOUS SITE INVENTORY PURSUANT TO 12-8-107(g)(2), A NOTATION TO THAT EFFECT MUST BE INCLUDED IN THE TABLE.	Please see attached* report	
iv	**VAPOR INTRUSION** (PLEASE REFER TO THE FOLLOWING LINK: http://www.epa.gov/epawaste/hazard/correctiveaction/eis/vapor/complete.pdf)	Pending	
v	**SURFACE WATER** (INCLUDING ECOLOGICAL RISK ASSESSMENT (http://www.gaepd.org/Documents/hsraguideCSRRRS.html - Ecological))	Pending	
d	**CURRENT STATUS** OF QUALIFYING PROPERTY(IES)	Inactive/Secured**	

* Attached document: " Report of Recent Field Observations, Limited Installations of Soil Borings, Monitoring Wells, and Sampling of Surface Waters Including Soil and Groundwater Analytical Results From 2100 Spink Street Property, Atlanta, Fulton County, Georgia", which also includes very recent Addenda (pertaining to Surface and Groundwater Sampling Events) , historical surface water and groundwater sampling and analyses (performed for the Owner), as well as a previous Compliance Status Report (CSR) draft by Rindt McDuff Associates (RMA), dated May 2000, performed in behalf of Mindis, Inc. (included as Appendix 2, of attached document).

** Site is secured by frontage chain-link fencing, fencing in the vicinity of the site buildings, and is extensively covered with a concrete apron that extends over 75% of the formerly active areas. The remainder of the site, primarily the NW and NE corners, including the adjacent 2.65 acres along Spink St. at the NW corner, are undisturbed woodlands. Site aerial photos are included in attached documents.

*** A new Residential Subdivision (Brantley Walk) has been built downgradient and across Spink St. from the 2100 Spink Property. The residences are served with City of Atlanta Water and Sewer. There are no currently known exposure routes that would impact those residences.

i	**NARRATIVE AND TABULAR SUMMARY** OF ALL PERTINENT FIELD DATA AND THE RESULTS OF ALL FINAL LAB ANALYSES THAT ARE SUPPORTED BY SUFFICIENT QA/QC CONTROL DATA TO VALIDATE THE RESULTS. (NOTE: MOST RECENT GROUNDWATER DATA MUST HAVE BEEN COLLECTED WITHIN 6 MONTHS OF RECEIPT OF APPLICATION.)	**Attached* and pending**	
ii	**MAPS AND VERTICAL CROSS-SECTIONS** OF APPROPRIATE SCALE DEPICTING CONCENTRATIONS FOR ALL REGULATED SUBSTANCES SUPERIMPOSED UPON SITE STRATIGRAPHIC FEATURES AND MONITORING WELLS. POINT OF DEMONSTRATION (POD) WELL MUST BE INCLUDED, IF APPLICABLE.	**Pending**	
iii	**DESCRIPTION OF ANY HUMAN OR ENVIRONMENTAL RECEPTORS** WHO MAY HAVE BEEN OR COULD POTENTIALLY BE EXPOSED TO A RELEASE AT THE SITE.	**RMA CSR & updated*** **	
e	**MAP** (MINIMUM SCALE OF 1" = 200') OR LESS DEPICTING THE POTENTIOMETRIC SURFACE OF GROUNDWATER. POD WELL MUST BE INCLUDED, IF APPLICABLE.	**Attached ***	
f	**FIGURE OF GROUNDWATER USAGE** (DRINKING, IRRIGATION, ETC.) **AND SURFACE WATER** (RECREATIONAL, FISHING, ETC.) WITHIN THE AREA OF THE RELEASE AND 1,000' DOWNGRADIENT.	**Pending**	
g	**ENUMERATE AND DESCRIBE ACTIONS** PLANNED TO BRING THE QUALIFYING PROPERTY(IES) INTO COMPLIANCE WITH THE CLEANUP STANDARDS SPECIFIED IN 4.c. ABOVE. **IF UTILIZING REPRESENTATIVE CONCENTRATIONS,** DOCUMENTATION REGARDING THE EXPOSURE UNIT, EXPOSURE DURATION, EXPOSURE POINT CONCENTRATION, ETC. MUST BE INCLUDED.	**Pending**	
h	**MODEL** FOR POINT OF EXPOSURE: APPLICANT MUST EITHER PROVIDE A COPY OF THE MODEL OR LICENSE FOR USE, OR PURCHASING INFORMATION (PURCHASE OF A MODEL WILL BE BILLED TO THE APPLICANT BY EPD) ALONG WITH A TABLE OF ALL INPUT AND OUTPUT PARAMETERS AND SUPPORTING DOCUMENTATION. A SENSITIVITY ANALYSIS MUST ALSO BE INCLUDED.	**Pending**	
i	**MILESTONE SCHEDULE** INLCUDING SEMI-ANNUAL REPORTING AND SUBMITTAL OF A FINAL COMPLIANCE STATUS REPORT. GANTT CHART FORMAT PREFERRED.	**Pending**	
j	**COST ESTIMATE** FOR IMPLEMENTING THE CORRECTIVE ACTION AND ANY CONTINUING ACTIONS SPECIFED IN THE VOLUNTARY REMEDIATION PLAN.	**Pending**	
k	**SIGNED AND SEALED PE/PG CERTIFICATION** AND SUPPORTING DOCUMENTATION: "I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances. Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division. The information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." _Garey L. Simpson_____ ___3/28/10_____ Printed Name and GA PE/PG Number Date _____ Signature and Stamp		

REPORT OF RECENT FIELD OBSERVATIONS, LIMITED INSTALLATIONS OF SOIL BORINGS, MONITORING WELLS, AND SAMPLING OF SURFACE WATERS INCLUDING SOIL AND GROUND WATER ANALYTICAL RESULTS FROM 2100 SPINK STREET PROPERTY, ATLANTA, FULTON COUNTY, GEORGIA

GA-EPD HSI FACILITY # 10443

JANUARY 11, 2007

PREPARED
FOR

Mrs. Ruth Yardum
c/o Mr. John Yardum

Represented by:

Barbara H. Gallo
Balch & Bingham, LLP
30 Allen Plaza, Suite 700
30 Ivan Allen Jr. Blvd. NW
Atlanta, GA 30308

Joseph C. Chancey, Esquire
Drew Eckl & Farnham, LLP
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880 West Peachtree Street
Atlanta, Georgia 30309

PREPARED
BY

LandMark Resources, LLC
Geology / Hydrogeology / Engineering
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Marietta, GA 30062
(770) 377 - 7700
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REPORT OF RECENT FIELD OBSERVATIONS, LIMITED INSTALLATIONS OF SOIL BORINGS, MONITORING WELLS, AND SAMPLING OF SURFACE WATERS INCLUDING SOIL AND GROUND WATER ANALYTICAL RESULTS FROM 2100 SPINK STREET PROPERTY, ATLANTA, FULTON COUNTY, GEORGIA

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January 11, 2007

Mrs. Ruth J. Yardum
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Sherman Oaks, CA 91413-5754

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Subject: REPORT OF RECENT FIELD OBSERVATIONS, LIMITED INSTALLATIONS OF SOIL BORINGS, MONITORING WELLS, AND SAMPLING OF SURFACE WATERS INCLUDING SOIL AND GROUND WATER ANALYTICAL RESULTS FROM 2100 SPINK STREET PROPERTY, ATLANTA, FULTON COUNTY, GEORGIA GA-EPD HSI FACILITY # 10443

Dear Mrs. Yardum and John Yardum:

We are pleased to forward the attached report of the above-referenced site. We have also mailed copies to Barbara Gallo and Joe Chancey for review. Additional copies will be forwarded to the Georgia Environmental Protection Division, Hazardous Waste Group and Land Protection Branch following your review and approval of this report and presentation format. We sincerely appreciate your kind patience during the field work and report preparation.

If you have any questions, please call Garey L. Simpson, PG at (770) 377-7700 or Randall L. Meadows, PG at (404) 376-3321. Thank you very much for allowing LandMark Resources, LLC to continue providing professional environmental services for the 2100 Spink Street property, and we look forward to hearing from you soon.

Sincerely,
LandMark Resources, LLC

Garey L. Simpson, PG

Randall L. Meadows, PG

Attachments

Professional Certification

This report and attachments are for the sole and discretionary use of the Client. Landmark Resources, LLC reserves all rights as to work product and copyright of all materials as provided in this report. This report may not be copied by any party other than the Client without the express written consent of LandMark Resources, LLC. This report and field work was performed under the direct supervision of Georgia Professionally Registered Geologists signed below:

LandMark Resources, LLC

Garey L. Simpson, PG, Date: 1/11/07
Project Manager

Randall L. Meadows, PG, Date: 1/11/07
Project Manager

EXECUTIVE SUMMARY

The latest site investigations from October 3rd through December 7, 2006, have revealed significant and pulsating flow of raw sewage onto the southeast corner of the 2100 Spink Street Property from the adjacent and topographically upgradient Combined Sewer Outfall (CSO), which crosses the former Manhole and vicinity, diagonally across the site from the SE to NW to the Bolton Road Outfall. Our investigation included soil borings, some of which were converted to monitoring wells, with ground water and surface water quality sampling. Overall, there is a large and continuing component of sewage in ground water that is flowing onto the subject property from the southeast and south. Some of the groundwater is suspected to be partitioning as surface water as observed from a monitoring well installed near the vicinity of the former CSO Manhole and from the adjacent upgradient areas to the east. Significant Fecal Coliform (FC) contamination in ground water and surface water continues at the site. Comparison with older previously sampled locations across the site to the NW reveals that the current data are excessively higher in many locations than from previous or historical FC data.

INTRODUCTION

On October 3, 2006, per the prior approval of the property owners, John Yardum and Mrs. Ruth Yardum, LandMark Resources, LLC, performed drilling investigations with surface and ground water investigations at the Spink Street property. A CME-55 Tracked drilling rig and drilling crew contracted through Environmental Exploration, Inc, of Stockbridge, GA, who are Georgia Certified Drillers, advanced standard hollow stem soil borings starting in an area near the previously documented, but now removed Combined Sewer Outfall (CSO) Manhole (Figure 1, Appendix 1) at the Georgia Power Right-of-Way adjacent to East-West Rails of Inman Railroad Yard.

We have previously investigated areas upgradient along these rails and have further defined a CSO, which is located along the southern property boundary parallel to the East-West Rails and is now partly obscured at the SE corner of the subject Property. A CSO in this vicinity of Metropolitan Atlanta is a waste water system that mixes storm water runoff and raw sewage from a watershed for conveyance by piped or overland natural gravity flow to nearby creeks and tributaries of the greater Chattahoochee Basin.

Additional drilling was attempted in other areas of the site. Not all soil borings had ground water shows above auger refusal. We elected to drill further in the SE corner with air-rotary drilling, but were not able to set a well beyond 16.5 feet of depth at that location due to unstable gravels and railroad ballast extending as fill from the surface downward.

SCOPE OF SERVICES

The intent of this investigation was to establish current site environmental health and safety characteristics in advance of the deployment of further investigations leading hopefully towards a potential Brownfields remediation and development or sale of the subject property. Other locations drilled, included the SW corner, the infield (approximate center of the site), and the SE corner of the Steel barn. The intent of these locations was to determine all potential upgradient contribution to the site as well as for sampling to determine soil and ground water constituent concentrations in an area larger than previous investigations by Rindt-McDuff and Associates (RMA) of Atlanta (Appendix 2).

In further investigation of the site's previously reported hazardous wastes, we included sampling of soils from select intervals for a broad suite of priority constituents, including RCRA metals with Hexavalent Chromium, while drilling as well as ground water and surface water for EPA-Appendix II analytical parameters. Sampling and field activities were performed under the standing and revised Site Specific Health and Safety Plan, which can be provided upon request.

GEOLOGY, TOPOGRAPHY, AND GRADIENT

The Spink Street site is located in the Southern Physiographic Province of Georgia (GA Geology Map, 1976). The area geology is primarily an assemblage of fractured ancient metamorphic rock basement which weathers near the surface to form residual or saprolitic soils. The site and adjacent areas seem to have previously had a fairly rolling topography (see 1928 topography on Figure 1 in Appendix 3) until the site was been partially filled by expansion of the Railroad (assumed to have been started in the late 1950's and early 1960s) and from the late 1960s to early 1970s on the site to create a more level site topography or surface The most recent large-scale topography is provided in Figure 2, Appendix 3, which was produced by City of Atlanta's contractors in 1991.

The 2100 Spink Street property (site) is located hydrogeologically downgradient and west-northwest of the heart of the Inman Yards Railroad system, with a general gradient extending down from Perry Boulevard to the South, across the Railroad Tracks, based on regional topographic mapping (Figure 2 Appendix 3).

SOIL SAMPLING DATA

Ground water at the time of drilling was encountered in one of the 4 borings (B-3, which we converted to Monitoring Well GW-1). The other borings were dry at total depth as defined by auger refusal herein interpreted to be heavy gravel ballast and huge rock boulders that were historically landfilled during railroad expansion. The SE corner temporary well, now renamed GW-1A, has slowly begun to have slight shows of ground water, but realistically only enough volume (less than 1-foot or 0.16 gallons) for Fecal Coliform sampling.

We were not able to set any deeper wells in the vicinity of the railroad ballast, even after drilling conversion to Air Rotary (which can normally penetrate coherent rock masses and reach depths required to reach well into the ground water). Difficulty during the drilling by hollow-stem auger and Air Rotary was due to the extensive & heavy boulder fill in the area. This drilling difficulty was predicted following previous excavations by Track-Hoe in the vicinity.

Soil Boring logs and monitoring well construction diagrams are provided in Appendix 4. The area's ground water and surface water sampling locations are shown on Figure 1, Appendix 4. Well drilling activities photographs are shown in Appendix 4. Severe scarring of the air rotary drill bit is shown in the photographs supplied in Appendix 4, relating to the extreme difficulty of deeper drilling.

Soils sampled at -5 feet below surface from the standard SPT hollow augers showed only the reportable presence of Barium at 566 mg/kg (milligrams per kilogram) and Lead at 340 mg/kg in Boring B-1, at the extreme SE corner location now converted to a temporary monitoring well (GW-1A), and Lead at 623 mg/kg in Boring B-2, at the SW corner.

The prospective sources for Barium and Lead, as well as other trace metals, may be present in filled materials, introduced via sewage which has been flowing through the site over a period exceeding several years, and possibly from indigenous ores which are known to occur in zones of hydrothermal alteration that are common in the porphyroblastic granitic gneiss and biotite-muscovite schists which are reported (mapped) as the Inman Yard Formation of the Proterozoic Atlanta Group (McConnell & Abrams, 1984).

Other metals were detected at below currently known notification requirements. All soil boring logs are provided in Appendix 4. All soils analytical data greater than of equal to the detection limit from the drilling activities are provided in Table 1 and Figure 1, Appendix 5 (Soil Borings Results). All laboratory analytical results are provided in Appendix 9.

In the majority of drilled locations, we believe that we were logging native fill in the near surface and then gravel or rock boulder ballast, which had been seen in earlier Track-Hoe excavations. The extensive reaches of fill are also explained by the changes in and leveling of topography from the 1928 topographic map (1928 Topographic Map, City of Atlanta, Figure 1, Appendix 3), which shows two ravines with active tributaries crossing the property from the southeast and eastern middle boundary of the site.

We believe that drilling locations B-4 in the center or infield area and B-3 (now GW-1) drilled through loose surficial compost into site operational fill, reaching total depth in a sequence of native tan to light tan very fine silty sandy clay assumed to be the promontory between the two former ravines. We do not know if these tributaries were piped, or converted into storm sewers prior to filling by native fill and railroad ballast, but we suspect there is a buried sewer line, possibly an older vintage archway sewer, crossing diagonally in one or possibly both of the tributaries from the SE corner to the lower NW corner.

We did not encounter any thick layers of buried automotive fluff in this phase of exploration. During this drilling and previous Track-Hoe investigations dating from approximately 1999 to 2001, we have not encountered more than a very thin layer of automotive fluff, indicating that the locations drilled or excavated were in areas of the site where there was no steady landfilling of automotive fluff, but more likely automotive bits and pieces from operational overspillage of parts during the processing or transport to the rail spur(s).

We do know that from historical aerial photography we have studied and previously reported, showed areas where automotive fluff may have been historically stockpiled or landfilled. This area is interpreted to be between the scalehouse and barn, extending to the south rim of the small pond on the northern central property boundary. From our current perspective, the majority of site modification, filling, and changes to surface drainage have been altered moreso by railroad and earlier sewer line construction than by landfilling during the years of automotive shredding.

Hydrogeologic cross-sections and a ground water contour map are presented in Appendix 6. These data are consistent with regional survey data from 1991 and from our field observations in this phase of exploration and in earlier efforts, which have indicated a site gradient leading from the SE corner spreading diagonally and downgradient to the west-northwest.

SURFACE AND GROUND WATER SAMPLING FOR E. COLI (EC), FECAL COLIFORM (FC) AND STREPTOCOCCUS (FS) BACTERIA

Fecal Coliform (FC), Fecal Streptococcus (FS) and E. Coli (EC) results from surface and ground water in the areas investigated are presented in Table 1 and shown on Figure 1, Appendix 7. Sampling locations with analytical results are presented in (Figure 1).

Surface water collected in the traditionally sampled locations exhibit significant quantities of EC, FC and FS. EC results ranged from Below Quantification Level **(BQL) to as high as 20,000 E. Coli colonies per 100 ml**, near the infield (central site) area. FC results range from **10 colonies per 100 milliliters (c/100 ml) to 128,000 c/100 ml** with the highest results encountered near the site infield, near the barn access road, and at the former Manhole, at GW-1A. FS results ranged from **BQL to 56,000 c/100 ml**, with the highest reading at a small swampy area on the road to the steel barn. The results are clear and undisputable evidence of the continuing effects of the presence of large volumes of raw sewage flowing onto the site from the offsite east, southeast and southern upgradient areas. All sample collection, handling, and conveyance to the analytical laboratory was conducted by LandMark Resources, LLC under standard EPA Chain of Custody Protocol.

A composite map of the historical EC, FC, and FS data is provided in Figure 1, Appendix 1. A Fecal Coliform Contour Map, provided as Figure 2 in Appendix 7, shows the very highest concentrations of Fecal Coliform data moving in a linear trend from the SE corner diagonally across the site towards the driveway to Spink Street. The geometry of the sewage plume is complementary to the ground water contour map and may be overriding the buried sewer or ancestral drainage that predated site development. All laboratory biological analytical results are provided in Appendix 9.

NON-BIOLOGICAL SURFACE WATER & GROUND WATER SAMPLING DATA

Non-Biological data for Surface Water and ground water sampled on-site revealed that most metals on-site were below reportable quantities. One off-site exception of Lead in Surface Water occurred at location SW-5, the small creek off the NW corner of the site. At this location Lead was 0.023 mg/l (milligrams per liter). Another exception of Lead in groundwater occurred at GW-2, the result was 0.093 mg/l. The detection limit on Lead in ground water is currently known to be 0.010 mg/l and the MCL 0.015 mg/l, respectively. We are not aware of a current surface water limit for Lead.

Of the exhaustive lists of the remaining EPA-Appendix II constituents, which included Volatiles, Semi-volatiles, PCBs, and other metals, there were no constituents reportable above currently known notification requirements. Otherwise, all other non-biological constituents were BQL. A surface and ground water constituent concentration map is shown in Figure 1 and analytical results are in Table 1, Appendix 8. All laboratory analytical results are provided in Appendix 9.

DISCUSSION OF CURRENT AND EARLIER DATA COLLECTION

The source of the sewage is shown to be upgradient and east to south-southeast of the site and inline with the observed flow directions across the site from the SE corner near the formerly discovered CSO Manhole, and from the south, based on the above and previous investigations. Sewage is not generated on site, so it must be coming from the off-site upgradient areas.

In consideration of all previously supplied data, including our other earlier investigations of raw sewage on the site and surrounding area, it is very possible that an arch-top or round concrete sewer line, which is part of an older vintage interceptor line, extends along or below a series of elongate troughs from an easterly direction along the Inman Railroad Yards and/or descending across the rail lines from Perry Boulevard. Likewise, this alignment is a very likely part of a much older "Trunkline Outfall" of an earlier era.

These observations would suggest that the formerly discovered CSO Manhole immediately upgradient of on the extreme SE corner, at the intersection of the Georgia Power line and East-West railroad lines was mounted as a relief structure above the older vintage CSO sewer line, and received additional infall perpendicular from the former Perry Boulevard and may have possibly connected to another interceptor pipe coming from the vicinity of the former intermodal yard east of the site and running across a portion of the Georgia Power Line right-of-way. This alignment may also be part of the earlier reported "Bolton Road Outfall", which is presumed to have pre-dated the Proctor Creek Trunkline.

The Bolton Road Outfall, is now covered over most of the site by native fill, railroad ballast, and large rock boulders which were placed on the site during earlier vintage railroad expansion. The Bolton Road Outfall currently flows along the western site boundary and across Spink Street, where it's natural configuration and wetlands have been modified by recent residential development.

The evidence of covered over and demolished Manholes and reported 5-foot diameter pipes we previously reported near the active Trucking-Intermodal yard to the east-northeast of the site, leads to the possibility of a "lost" infrastructure of sanitary sewers and/or CSOs that were modified through the years of expansion of the Railroad Yards. The City of Atlanta has not produced accurate sewer infrastructure mapping in this area, despite the requirements of the Federal Consent Order to identify all sewers of all vintage, especially <u>all</u> CSO's, and the as yet unresolved GA-EPD Emergency Response Directive, dated July 23rd, 1999 and the City of Atlanta's response, dated August 9th, 1999 (Appendix 10).

The observation of an east to west flow of sewage-laden ground water in the formerly reported excavations, upgradient of the discovered CSO Manhole, may suggest that the majority of subsurface sewage flow may most likely be coming from the direction of the Proctor Creek Trunkline, which runs from the south to north approximately 2,700 feet (0.51 miles) east from the formerly discovered, but now excavated and removed CSO Manhole (just upgradient of the SE corner of site).

In several previous reports, we have presented historical aerial photographs that indicated the presence of a right-of-way or easement lining up (approximately East-West) with the formerly discovered CSO Manhole. Little or no vegetation grows in the right of way indicating a stressed or anoxic environment. This is most likely due to the observed and previously measured presence of sewer gas and/or methane. This phenomenon is evident at the southeast corner of the site from our previous explosive gas surveys and the presence of the dead trees at this location.

CONCLUSIONS

Collectively, we have seen historical evidence of continuing overland and subsurface flooding or surcharging of the 2100 Spink Street property by raw sewage. We do not see any evidence that the flow of raw sewage onto the property has abated, nor do the data show any significant trend reversals. Rather, we have seen evidence that the site has been receiving much greater flooding of raw sewage sustained even through periods of very low rainfall. These conditions remain a constant environmental health and safety risk and hazard that should be promptly brought forward for abatement by the responsible party. The continued lack of abatement by the responsible party poses an increasingly significant risk to human health and the environment.

The surface water data show significant quantities of EC, FC and FS even with the effects of dilution by ground water. Previous water quality data collected by LandMark Resources, LLC have shown that the site has been continuously affected by unabated raw sewage overflow.

Raw sewage is not generated on the site, but has been observed and documented as flooding onto the site from the southeast corner through a combination of a sewage-laden plume of ground water moving east-west towards the property, through older vintage sewers that are part of a CSO, and from sewer lines that have descended from the south along Perry Boulevard and beyond the railroad lines.

Because the Non-Biological Data show very limited to slightly above detection levels of Lead and Barium, we believe the more serious detriments of sewage overflow are of the most paramount importance. We strongly recommend that the GA-EPD Water Resources and Land Protection Branch require the City of Atlanta to properly fulfill the existing Emergency Response Directive and move to cease and remediate the continuing health and safety menace of Raw Sewage overflow in this area, especially on and beneath the 2100 Spink Street Property.

RECOMMENDATIONS

Our recommendations are to require the responsible party to immediately halt all sewer overflow affecting the property. The HSI concerns of the site, based upon the limited scope of this investigation and previous investigations, appear to be diminishing due to very low constituent levels of metals in the soils, surface waters, and groundwater sampled.

Further monitoring of the E. Coli, Fecal Coliform, and Fecal Strep is recommended on at least a quarterly basis until the sewage issues have been resolved, as the sewage presents a continuing environmental and health risk, especially with new residential development downgradient and further along Spink Street.

The next proposed phase of exploration at the site will include a Ground-Penetrating Radar (GPR) study of the area near the SE corner and Monitoring Well GW-1A, continuing west across the site towards the shredder sump, then from the infield towards the scalehouse. If time and budget permit, we will run additional lines along the driveway and down Spink Street from the Sediment Pond towards the east. A preliminary GPR scan has revealed two potential sewer lines intersecting the SE Corner of the site.

Appendix 1

Figure 1

Biological Historical Map

2100 Spink Street Site
Sampling Events

MW-1
MW-2
PMW-1
PMW-2
City of Atlanta Groundwater Monitoring Wells

Ground Water

Surface Water

*** Subcontractor laboratory did not have the required media in stock to perform this analysis

** There was insufficient sample to perform this analysis

BQL Below practical quantitation limit

E Estimated value: (I) sample received or analyzed beyond the accepted holding time; (ii) sample received at improper temperature; (iii) the continuing calibration for an analyte did not meet qc criteria

Aerial Photo July 1999

Reference **Table 1** for Sample Results

Figure 1 Biological Historical Map

LANDMARK RESOURCES, LLC
1/11/07 Randy Meadows, PG

SW-4 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	28
Single Fecal	F. Coliform (SM9222D)	440
Single Strep- W	Fecal Strep (SM9230C)	180
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	135
Single Strep- W	Fecal Strep (SM9230C)	100

SW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	>20,000
Single Fecal	F. Coliform (SM9222D)	>50,000
Single Strep- W	Fecal Strep (SM9230C)	56,000
10/24/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	880
Single Strep- W	Fecal Strep (SM9230C)	2,100

GW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform (SM9222D)	10
Single Strep- W	Fecal Strep (SM9230C)	BQL
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	BQL
Single Strep- W	Fecal Strep (SM9230C)	BQL

SW-3 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	2,600
Single Fecal	F. Coliform (SM9222D)	24,000
Single Strep- W	Fecal Strep (SM9230C)	4,400
10/24/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	3,300
Single Strep- W	Fecal Strep (SM9230C)	4,200
12/7/2006		
Single E. Coli	E. Coli (MColiBlue24)	4,000
Single Fecal	F. Coliform (SM9222D)	128,000
Single Strep- W	Fecal Strep (SM9230C)	5,800

SW-2 (6/15/99) 990
05050200 110
06092000 70
06121100 3,100
06121100 1,720
Site 6 (12/11/00) > 1,600
> 1,600
(12/14/00) > 1,600
> 1,600
07050301 10
(06/05/02) > 1,600

03092000 BDL
03092000-B 800
03121100 60
03121100 3,800
Site 3 (12/11/00) > 1,600
> 1,600
(12/14/00) > 1,600
> 1,600
(06/05/02) > 1,600

Excavation 9/4/01
GP-1
4,500 Fecal Coliform
31,000 Fecal Streptococcus

Excavation 9/4/01
GP-2
2,500 Fecal Coliform
440 Fecal Streptococcus

Manhole
Site 11 (12/14/00) 140
> 1,600
04050301 BDL
04050301 80
(06/05/02) > 1,600

Manhole 9/4/01
GP-3
19,200 Fecal Coliform
1,640 Fecal Streptococcus

04050200 BDL
04092000 BDL
05121100 860
Site 5 (12/11/00) 900
900
(06/05/02) ND

SS-1 (6/15/99) BDL
02050200 130

01063000 5,000

Southeast Corner of Site

SW-3 (6/15/99) 1,700
06050200 22
06092000 280
07121100 980
Site 7 (12/11/00) 900
280
(12/14/00) 500
>1,600
08050301 10
(06/05/02) 17

02092000 20
02092000-B 570

Pond

MW-1 5/1/01
<RL (less than reported limit)

MW-2 5/1/01
<RL (less than reported limit)

Site

Groundwater Flow Direction

Manhole Discovered

Compost
Site 3T (12/14/00) absent
present
(06/05/02) ND

Ditch

Compost
Site 3B (12/14/00) present
present
(06/05/02) ND

07050200 130
08092000 210
08121100 100
Site 8 (12/11/00) 30
170
09050301 120
09050301 90
(06/05/02) 900

03050200 500
04121100 2,100
Site 4 (12/11/00) > 1,600
> 1,600
01050301 350
(06/05/02) > 1,600

Creek

05092000 380

01050200 8
01092000 370
01121100 30
Site 1 (12/11/00) 17
27
(12/14/00) 23
13
02050301 1,800
(06/05/02) 300

02121100 BDL
02121100 800
Site 2 (12/11/00) 300
> 1,600
(12/14/00) 500
>1,600
03050301 20
(06/05/02) 1,600

GW-1A 10/24/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	62,000
Single Strep- W	Fecal Strep (SM9230C)	**
12/7/2006		
Single E. Coli	E. Coli (MColiBlue24)	BQL
Single Fecal	F. Coliform (SM9222D)	3,000
Single Strep- W	Fecal Strep (SM9230C)	13,000

Site 8b (12/14/00) 130
500
(06/05/02) > 1,600

SW-1 (6/15/99) 3,400

SW-5 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	500
Single Fecal	F. Coliform (SM9222D)	700
Single Strep- W	Fecal Strep (SM9230C)	1,100
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	310
Single Strep- W	Fecal Strep (SM9230C)	1,080

SW-2 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	20
Single Fecal	F. Coliform (SM9222D)	770
Single Strep- W	Fecal Strep (SM9230C)	55
10/24/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	380
Single Strep- W	Fecal Strep (SM9230C)	100

PMW-2 not sampled
No groundwater in well

Site 8a (12/14/00) 900
> 1,600
(06/05/02) > 1,600

08050200 300,000
09092000 60,000
09121100 1,800
Site 9 (12/11/00) >1,600
> 1,600
(12/14/00) > 1,600
> 1,600
10050301 108,000
10050301 1,600
(06/05/02) ND

10121100 BDL
Compost Product Pile
Site 10 (12/11/00) < 2
< 2
(12/14/00) < 2
< 2
(06/05/02) 8

PMW-1 11/2/00
2,400 Fecal Coliform
in groundwater

Elementry School

Creek

Bolton Road Outfall

Main St

Railroad

GW-2 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform(SM9222D)	10
Single Strep- W	Fecal Strep (SM9230C)	BQL
10/26/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform(SM9222D)	82
Single Strep- W	Fecal Strep (SM9230C)	240

RW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform (SM9222D)	340
Single Strep- W	Fecal Strep (SM9230C)	55
10/26/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	2,400 E
Single Strep- W	Fecal Strep (SM9230C)	1,800 E

LANDMARK RESOURCES, LLC **Sample Results**

Sample Location

08050200 300,000
Sample ID
Sample Date

Sample Result (Fecal Count / 100 ml)
Ref. Table 1

03092000 BDL Fecal Coliform
03092000 800 Fecal Streptococcus

D J McGarey, Ph.D. **Sample Results**

Site 11 (12/14/00) 140
> 1,600
(06/05/02) > 1,600

E. coli
Enterococci
Fecal Coliform

Appendix 2

Rindt-McDuff and Associates (RMA) CSR Report

RMA **Rindt-McDuff Associates, Inc.**
• engineering and environmental consulting
• contract operations

May 15, 2000

Joseph C. Chancey, Esquire
Drew Eckl & Farnham, LLP
880 West Peachtree Street
Atlanta, Georgia 30309

RE: Draft Compliance Status Report
2100 Spink Street HSI Site

Dear Mr. Chancey:

As per your conversations with Bill Harris of Rindt-McDuff Associates, Inc., please find enclosed a draft copy of the Compliance Status Report (CSR) for the HSI Site at 2100 Spink Street, Atlanta, Georgia. This copy is submitted for your review and comments and signature. Bill Williams of the Georgia Environmental Protection Division (EPD) has been contacted and informed that the CSR is forthcoming.

As can be seen in the report, the latest sampling has not completely defined the extent of contamination nor does the site presently meet the HSRA Type 3 Risk Reduction Standards. Once the CSR has been submitted, EPD will give a complete review and submit comments on the report.

Please give us a call with your comments and return the signed certification sheet at your earliest convenience.

Sincerely yours,

RINDT-MCDUFF ASSOCIATES, INC.

Reginald G. Dawkins, Jr., P.G.
Project Geologist

Bill Harris
Principal

enclosure

I:\1999\99329\chancey_csr.doc

334 Cherokee Street, Marietta, Georgia 30060 • Voice: (770) 427-8123 • Fax: (770) 425-8930
www.rindt-mcduff.com

Compliance Status Report

Spink Street HSI Site
HSI Site # 10443

prepared for:

Mindis Recycling

100 Northcreek, Suite 210
3715 Northcreek Parkway
Atlanta, Georgia 30327

DRAFT

May 2000
99329

RMA

Rindt-McDuff Associates, Inc. • 334 Cherokee Street, Marietta, GA 30060 • Voice: (770) 427-8123 • Fax: (770) 425-8930
www.rindt-mcduff.com • e-mail: brindt@rindt-mcduff.com

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EXECUTIVE SUMMARY

Efforts have been made to define the extent of contamination on the 16.23 acre parcel (Site) located at 2100 Spink Street, Atlanta, Georgia (Figure 1). The Site is currently owned by Ruth Yardum of Van Nuys, California and is leased by Landmark Environmental, Inc. Mindis Recycling leased the property from 1989 to 1998 and operated an automobile shredding facility on the Site. London Shredding Division, Inc. leased the Site from May 5, 1971 to 1989 and also operated the shredding facility. London Iron & Metal, Inc. leased the property and operated an automobile shredding facility from November 1, 1970 to May 5, 1971. The Site was placed on the HSI on July 1, 1998. (Site #10443).

The Site was discovered in 1996 during an inspection by the Georgia Environmental Protection Division. A soil sample taken at the Site had concentrations of barium, lead, thallium, and PCBs above the HSRA notification concentrations.
In February and May of 2000 additional soil sampling was conducted to determine the extent of impacted soil.

As a result of the soil sampling it was discovered that the Site does not presently meet the Type 3 Risk Reduction Standards (RRS). It is proposed that additional soil sampling be conducted at the site in order to fully define the extent of impacted soil at the Site.

CERTIFICATION

I certify under penalty of law that this report and all attachments were prepared under my direction in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Based upon my review of the findings of this report with respect to the Risk Reduction Standards, I have determined that this site is not in compliance with Type 3 Risk Reduction Standards.

_____
Signed

_____
Title

_____
Date

_____
Signed

_____
Title

_____
Date

ENGINEER CERTIFICATION

I certify that I am a qualified groundwater scientist or engineer who has received a baccalaureate or post-graduate degree in engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses that enable me to make sound professional judgements regarding groundwater monitoring contaminant fate and transport. I further certify that this report was prepared by myself and/or subordinates working under my direction.

_____ _____

Date

1.0 INTRODUCTION

1.1 Site Description

Ruth Yardum, of Van Nuys, California, owns approximately 16.23 acres located at 2100 Spink Street, Atlanta, Fulton County, Georgia (hereinafter "Site"). The Site is bordered to the north by Spink Street, to the south by a Southern Railroad line, to the west by residential property, and to the east by a Georgia Power right-of-way.

The Site is located on Land Lot 245 of the 17th District of Fulton County. The coordinates of the Site are N33° 48' 32" Latitude and W84° 27' 48" Longitude. A location map of the Site is included as Figure 1. A legal description of the Site is included as Appendix A.

The 16.23 acres are developed with three (3) existing buildings (Figure 2). A portion of the site is paved with concrete, while the remainder is covered with chipped wood and a pile of wooden pallets.

1.2 Prior Land Use

The 16.23 acre Site is presently owned by Ruth Yardum of Van Nuys, California and is leased by Landmark Environmental, Inc. which operates a composting facility. The Site was previously leased by London Iron & Metal Co. which operated an automobile shredding facility from 1969 to 1989. In 1989, Mindis Recycling picked up the lease from London Iron & Metal Co., and in 1991 Mindis purchased the operation. In 1998, Mindis terminated their lease of the property. Following the termination of their lease, Mindis began the process of removing piles of shredded automobile parts ("fluff"). The removal of the fluff was halted in 1999 as the result of seepage of raw sewage on portions of the site. An investigation was conducted by EPD and the City of Atlanta to determine the source of the sewage leak. To date the source has not been identified. In February of 2000 the remaining fluff was removed from the site and a Closure Report was submitted to the Georgia Environmental Protection Division (EPD).

1.3 Chronology of Release

Contamination was originally discovered in 1996 during a site visit by EPD officials. Laboratory results from soil samples collected by EPD indicated concentrations of barium, lead, thallium, and PCBs above the Georgia Hazardous Site Response Act (HSRA) notification concentrations. As a result, EPD requested that a proper notification be submitted for the Site. In January of 1997 Mindis Recycling submitted a release notification form the EPD. In June of 1998 the Site was placed on the Hazardous Site Inventory. In September of 1999 EPD called for a Compliance Status Report for the Site.

2.0 SOIL CONTAMINATION INVESTIGATION

2.1 General Approach

An investigation to determine the extents of the soil contamination was begun on February 16, 2000, at the Site by Rindt-McDuff Associates, Inc. (RMA). This investigation began following the removal of the final automotive fluff pile from the site. During this part of the investigation two samples, M-1 and M-2, were collected from the area of the former fluff pile from depths ranging from two to five feet below the land surface.

On May 1, 2000 and May 2, 2000, personnel from RMA mobilized to the Site to collect additional soil samples to determine the background concentration and to delineate the extent of impacted soil. A total of four background samples and five delineation samples were collected on these two dates. The background samples were collected from a depth of two feet below the land surface, while the delineation samples were collected from depths ranging from two to three feet. The locations of these samples are shown on Figure 3.

Sampling, by RMA, was conducted using a decontaminated, stainless steel, hand auger. All samples were placed in laboratory supplied containers, labeled, and placed on ice. The samples were delivered to the analytical laboratory under standard chain-of-custody protocol. The samples were analyzed for total barium, lead, and thallium by EPA 6010 and for PCBs by EPA Method 8082. The official laboratory reports are included as Appendix B.

2.2 Analytical Parameters

The collected soil samples were analyzed for total barium, lead, and thallium by EPA Method 6010. The soil samples were also analyzed for PCBs by EPA Method 8082. These parameters were selected because they represented the constituents which were detected in concentrations above their respective HSRA notification levels by EPD in 1996. In addition, samples M-1 and M-2 were analyzed for fecal coliform for health and safety considerations.

Preliminary investigations did not indicate groundwater contamination or other significant contaminants of concern. (Refer to Section 3.0).

2.3 Background Concentration

On May 1, 2000, RMA collected background samples from the eastern side of the site. The background concentrations for barium ranged from 49.8 to 101 mg/kg, the background concentrations for lead ranged from 14.9 to 97 mg/kg, the background concentration for thallium was below the laboratories reportable limit (BRL), and the background concentration for the various PCBs ranged from BRL to 0.51 mg/kg. The official laboratory results for the background samples are included as Appendix C.

To determine the background concentrations of the contaminants for the Site, RMA took the

data and calculated the background concentrations by statistical analysis using the one-sided upper tolerance limit as described in the U.S.E.P.A., 1989 guidance document, "Statistical Analysis Of Ground-Water Monitoring Data At RCRA Facilities."

In this method the mean (X) and standard deviation (S) are calculated from the background data. Following this the one-sided upper tolerance limit is calculated using the equation: TL = X + KS, where TL is the upper tolerance limit and K is the one-sided normal tolerance factor found in Table 5, Appendix B of the guidance document. In cases where the reported concentration was below the laboratory's reportable limit a value of one-half the reportable limit was used.

Using the background data, the means (X) and standard deviations (S) were determined to be: for barium X = 70 mg/kg and S = 21.94; for lead X = 48.45 mg/kg and S = 39.28; for thallium X = 2.36 and S = 0.079; for Aroclor 1242 X = 0.0165 mg/kg and S = 0; for Aroclor 1248 X = 0.174 mg/kg and S = 0.227; for Aroclor X = 0.090 mg/kg and S = 0.057; and, for Aroclor 1260 X = 0.028 mg/kg and S = 0.023. From Table 5, K was determined to by 5.145.

Using these values and the above-referenced equation the upper tolerance limit background concentrations were determined as follows: barium - 182.88 mg/kg; lead - 253.42 mg/kg; thallium - 2.77 mg/kg; Aroclor 1242 - 0.016 mg/kg; Aroclor 1248 - 1.34 mg/kg; Aroclor 1254 - 0.38 mg/kg; and, Aroclor 1260 - 0.14 mg/kg.

2.4 Soil Sampling Results

The laboratory results of the soil samples collected on the Site are shown in Table 1 below. The highest concentrations detected were as follows: total barium - 528 mg/kg at the M-4; total lead - 950 mg/kg at AB34196; total thallium - 28.1 mg/kg at M-6; Aroclor 1242 - 2.5 mg/kg at AB34196; Aroclor 1248 - 10 mg/kg at M-5; Aroclor 1254 - 4.6 mg/kg at M-5; and, Aroclor 1260 - 1.8 mg/kg at M-5. The Type 3 RRS for lead was exceeded at AB34196, M-3, M-5, and M-7. The Type 3 RRS for thallium was exceeded at AB34196, M-4, and M-6. The Type 3 RRS for the various PCBs were exceeded at AB34196, M-2, M-3, and M-5. Barium concentrations did not exceed the Type 3 RRS in any of the samples.

Table 1
Site Soil Sampling Results

Sample ID	Depth (ft)	Constituents						
		Barium	Lead	Thallium	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
AB34196	0.5	520	**950**	**16**	**2.5**	BRL	**1.8**	BRL
M-1(B)	2	64.4	30.3	5.38	BRL	BRL	BRL	BRL
M-1(C)	5	469	87.1	BRL	BRL	0.28	BRL	BRL
M-2(B)	3	56.7	76.6	BRL	BRL	**1.6**	BRL	BRL
M-3	2	358	**553**	BRL	BRL	**2.6**	0.91	BRL
M-4	2	528	25.6	**22**	BRL	BRL	BRL	BRL
M-5	2	389	**552**	4.87	BRL	**10**	**4.6**	**1.8**
M-6	2	296	37.1	**28.1**	BRL	BRL	BRL	BRL
M-7	2	319	**665**	BRL	BRL	0.6	0.63	0.61
Background	2	182.88	253.42	2.77	0.016	1.34	0.38	0.14
Type 3 RRS	-	1,000	400	10	1.55	1.55	1.55	1.55

Notes: All results are in mg/kg.
Sample ID AB34196 was collected by EPD. All other samples were collected by RMA.
BRL = Below Reportable Limit
Results in bold print are above the Type 3 RRS.

3.0 GROUNDWATER CONTAMINATION

No groundwater contamination has been identified for this Site or is expected given that the contamination appears to be isolated at the surface. Based upon information from the surrounding area, groundwater is expected to be approximately twenty to twenty-five feet below the surface. In addition the Site's groundwater pathway scores for lead, thallium, and PCBs, computed by EPD's Reportable Quantities Screening Method, were all 1.13. This score is well below the threshold score of 10.

4.0 SENSITIVE RECEPTOR SURVEY

A sensitive receptor survey was conducted by RMA to identify potential receptors that could be exposed to the surface contamination at the Site. The apparent pathways of exposure to the contaminated soil are by dermal contact and soil particulates inhalation and ingestion.

A well survey was conducted to determine any water wells that could be impacted if the surface contamination ever impacted the groundwater. In addition, a survey was conducted to identify surface water bodies that could be impacted by stormwater runoff.

4.1 Well Survey

Although groundwater contamination is not likely, a water well survey was conducted to identify potential receptors. The databases from the USGS, EPD and the Bureau of Census were reviewed to determine the number of potential wells in the area. A well search using these sources was conducted from an one mile radius of the Site.

The Site and surrounding area is provided water by the City of Atlanta.

The USGS and EPD databases indicated one (1) well in the immediate vicinity of the Site. This well is shown to be owned by Tremont Temple Baptist Church on Marietta Boulevard in Atlanta. The well is listed as being unused. An attempt was made to confirm the well's status was unsuccessful. A drive by of the property did not indicate evidence of a well.

A well survey was conducted using statistics from the US Dept of Commerce - Bureau of the Census. The census was conducted in 1990. The census tract number encompassing the Site is Tract 88 in Fulton County, Georgia. No wells were listed for this census tract. The census information did indicate that a potential exists for as many as 8 drilled wells in census tract 97 which is one mile to the northwest of the Site. Identifying each well does not seem appropriate at this time since groundwater has not been contaminated or is expected to be impacted above the MCL.

4.2 Surface Water

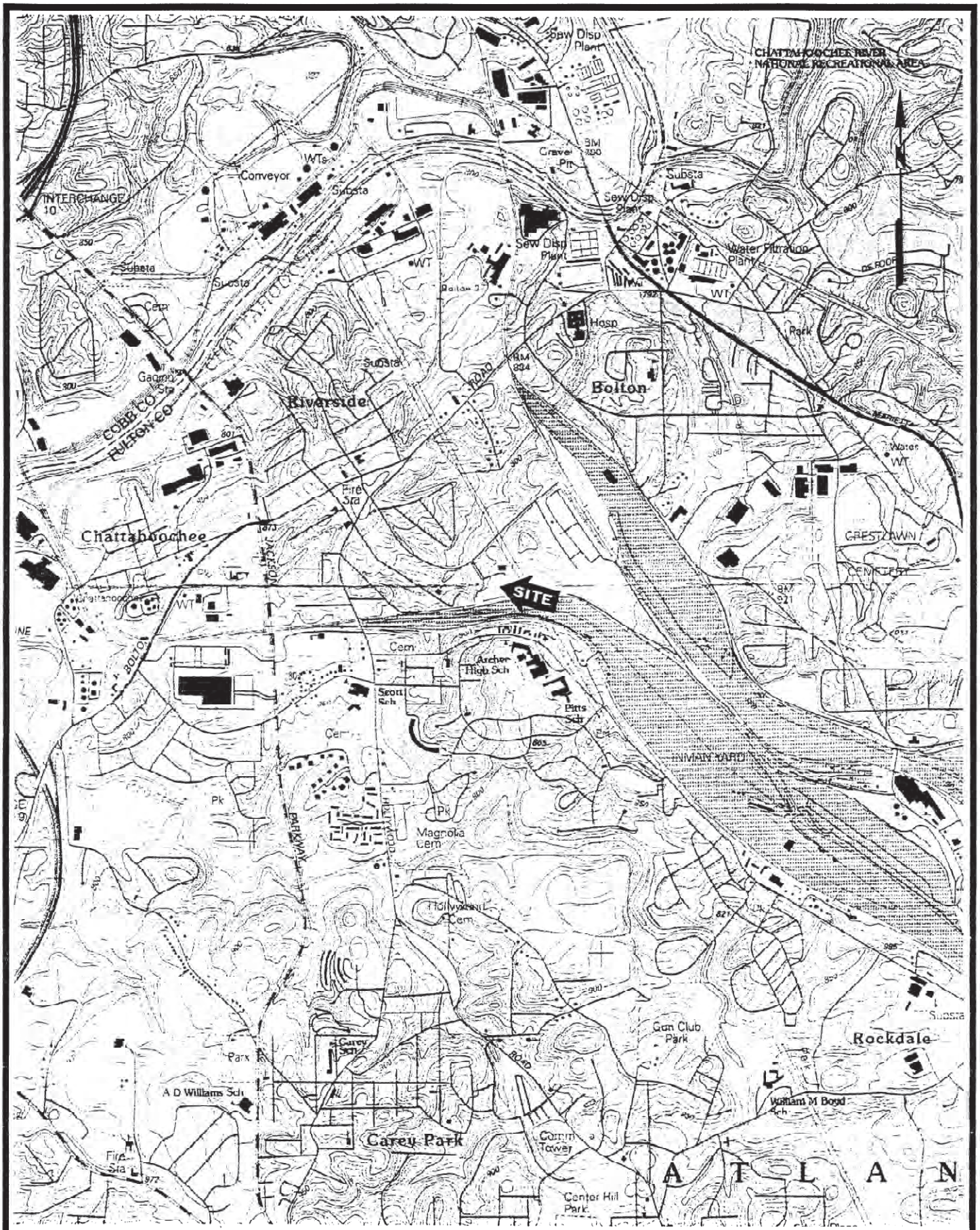
The nearest surface water body is an unnamed stream that is approximately 900 feet to the northeast of the Site. This stream flows to the northeast toward a waste treatment facility and the Chattahoochee River.

5.0 RISK REDUCTION STANDARDS

Because the Site is used for non-residential purposes the Type 3 RRS are proposed for the Site. To comply with the Type 3 RRS, soils at the Site cannot have concentrations of barium above 1,000 mg/kg, of lead above 400 mg/kg, of thallium above 10 mg/kg, and individual PCBs above 1.55 mg/kg.

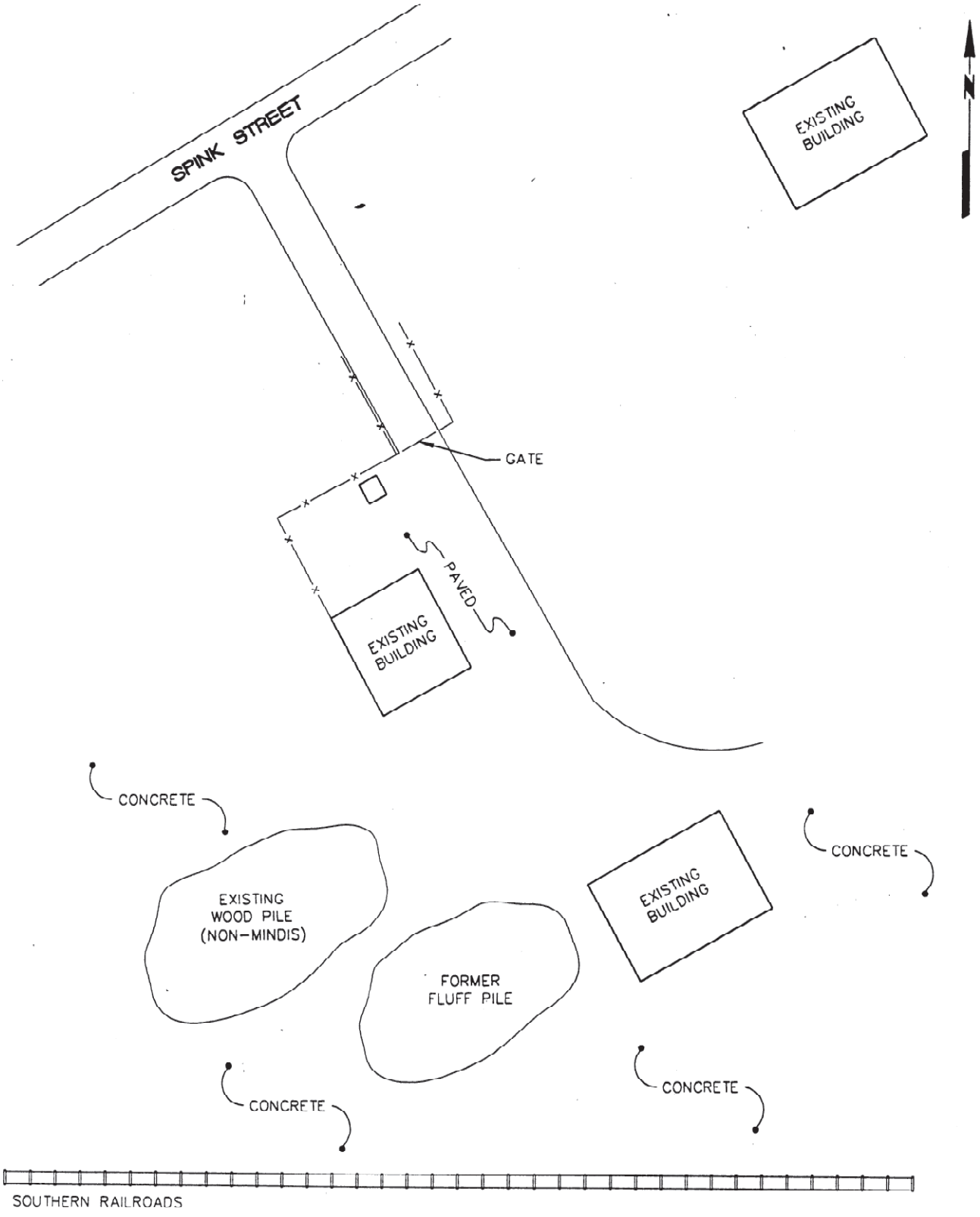
6.0 CONCLUSIONS AND PROPOSED ACTION

Type 3 RRS of 1,000 mg/kg for barium, 400 mg/kg for lead, 10 mg/kg for thallium, and 1.55 mg/kg for individual PCBs has been established by EPD. As indicated by laboratory results the Site meets the Type 3 RRS for barium but exceeds these standards for the remaining constituents in various locations. Presently the full extent of impacted soil has not been determined. Therefore, it is proposed to conduct additional soil sampling in order to define the extent of contamination present at the Site. Once sampling has been completed an addendum to the CSR, including proposed corrective action measures will be submitted.

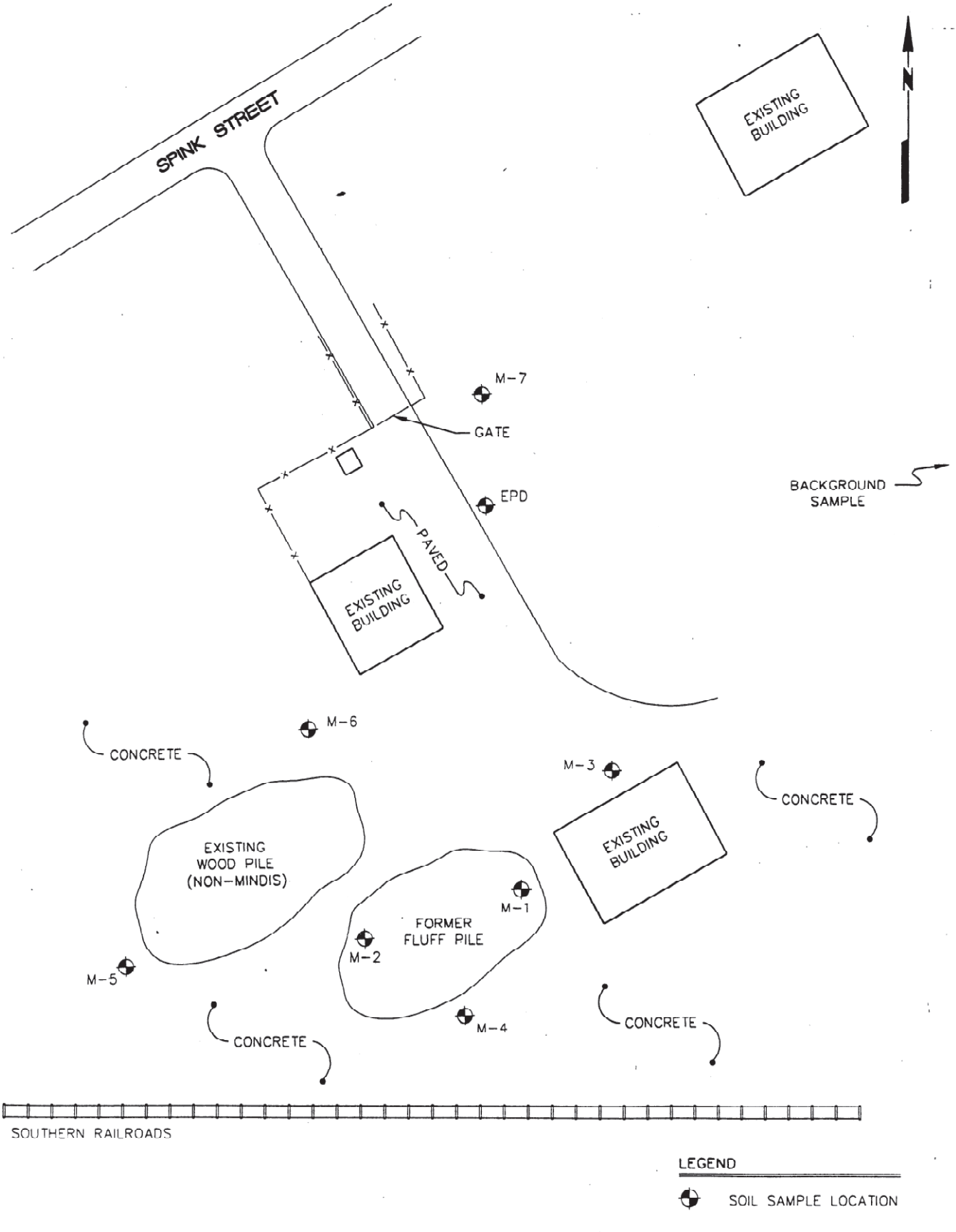


Project No.: 99329	SPINK STREET	RMA
Scale: 1" = 2000'		
Date: 5/11/00	Figure 1 - Location Map	

Rindt-McDuff Associates, Inc.
334 Cherokee Street · Marietta, GA. 30060
Phone No. (770) 427-8123
Fax. No. (770) 425-8930



Project No.: 99J29	SPINK STREET	RMA Rindt-McDuff Associates, Inc. 334 Cherokee Street - Marietta, GA. 30060 Phone No. (770) 427-8123 Fax. No. (770) 425-8930
Scale: NTS	Fugure 2 - Site Map	
Date: 5/11/00		



Project No.: 99329	SPINK STREET	RMA Rindt-McDuff Associates, Inc. 334 Cherokee Street - Marietta, GA. 30060 Phone No. (770) 427-8123 Fax. No. (770) 425-8930
Scale: NTS	Fugure 3 - Sample Location Map	
Date: 5/11/00		

APPENDIX A

Legal Description of Site

Form 10-6

GEORGIA STATE OFFICE
TITLE BUILDING
ATLANTA, GEORGIA 30303

Lawyers Title Insurance Corporation

ATLANTA BRANCH OFFICE

FULTON COUNTY, GEORGIA
Real Estate Transfer Tax
Paid $ —
Date 12-14-95
JUANITA HICKS
Clerk, Superior Court
By: [signature]
Deputy Clerk

95 DEC 14 AM 8:30
CLERK SUPERIOR COURT
FULTON COUNTY, GA.
FILED AND RECORDED

GEORGIA, FULTON COUNTY
FILED AND RECORDED

WARRANTY DEED

STATE OF CALIFORNIA COUNTY OF LOS ANGELES

THIS INDENTURE, Made the 12TH day of September, in the year one thousand nine hundred ninety-five, between FOUNDATION OF THE COSMIC CONSCIOUSNESS, INCORPORATED under the laws of the State of Nevada, [redacted] as party or parties of the first part, hereinafter called Grantor, and RUTH YARDUM

as party or parties of the second part, hereinafter called Grantee (the words "Grantor" and "Grantee" to include their respective heirs, successors and assigns where the context requires or permits).

WITNESSETH that: Grantor, for and in consideration of the sum of TEN DOLLARS AND OTHER CONSIDERATION ($10.00) DOLLARS in hand paid at and before the sealing and delivery of these presents, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, conveyed and confirmed, and by these presents does grant, bargain, sell, alien, convey and confirm unto the said Grantee,

LEGAL DESCRIPTION CONSISTING OF ONE (1) PAGE IS ATTACHED HERETO, MARKED EXHIBIT A, AND BY THIS REFERENCE MADE A PART HEREOF.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of CALIFORNIA
County of LOS ANGELES

On _____ (DATE) before me, LeVONE A. YARDUM (NAME, TITLE OF OFFICER E.G., "JANE DOE, NOTARY PUBLIC")

personally appeared JOHN YARDUM and CHRISTOPHER YARDUM (NAME(S) OF SIGNER(S))

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[signature]
SIGNATURE OF NOTARY

LaVone A. Yardum
Comm. #1038580
NOTARY PUBLIC - CALIFORNIA
LOS ANGELES COUNTY
Comm. Expires Feb. 27, 1998

OPTIONAL SECTION

CAPACITY CLAIMED BY SIGNER

Though statute does not require the Notary to fill in the data below, doing so may prove invaluable to persons relying on the document.

☐ INDIVIDUAL
☒ CORPORATE OFFICER(S) President and Secretary (TITLE(S))
☐ PARTNER(S) ☐ LIMITED ☐ GENERAL
☐ ATTORNEY-IN-FACT
☐ TRUSTEE(S)
☐ GUARDIAN/CONSERVATOR
☐ OTHER _____

SIGNER IS REPRESENTING:
(NAME OF PERSON(S) OR ENTITY(IES))
Foundation of the Cosmic Consciousness, Incorporated

TO HAVE AND TO HOLD the said tract or parcel of land, with all and singular the rights, members and appurtenances thereof, to the same being, belonging, or in anywise appertaining, to the only proper use, benefit and behoof of the said Grantee forever in FEE SIMPLE.

AND THE SAID Grantor will warrant and forever defend the right and title to the above described property unto the said Grantee against the claims of all persons whomsoever.

IN WITNESS WHEREOF, the Grantor has signed and sealed this deed, the day and year above written.

FOUNDATION OF THE COSMIC CONSCIOUSNESS, INCORPORATED

20356 300

Signed, sealed and delivered in presence of:

[signature]

[signature]

By: [signature] (Seal)
[redacted] YARDUM, President

[signature] (Seal)

[signature] (Seal)
CHRISTOPHER YARDUM, Secretary

All that tract or parcel of land lying and being in Land Lot 245 of the 17th District of Fulton County, Georgia, and being more particularly described as follows:

BEGINNING at a point on the west Land Lot line of said Land Lot 245, said point being marked by a concrete monument and being at the point where said west Land Lot line intersects the southern margin of Spink Street; running thence along the southern margin of Spink Street in an arc 273.4 feet, being subtended by a cord running south 88° 30' 31" east 273.67 feet; continuing thence along the southern margin of Spink Street along an arc 178.9 feet, being subtended by a cord running north 60° 57' 37" east 178.30 feet; continuing thence along the southerly margin of Spink Street north 47° 19' 06" east 594.71 feet to an iron pin on the right of way of the Georgia Power Company; running thence south 29° 55' 46" east along the right of way of the Georgia Power Company 1044.30 feet to an iron pin on the northerly right of way of the Southern Railroad; running thence along a fence line on the northern right of way of said Southern Railroad south 76° 35' 32" west 182.06 feet to a fence corner; continuing thence along said fence line south 89° 42' 43" west 194.94 feet to a fence corner; continuing thence along said fence line south 76° 15' 56" west 549.48 feet to an iron pin; running thence north 1° 30' 39" west 355.09 feet to an iron pin; running thence north 89° 0' 03" west 470.95 feet to an iron pin on the west Land Lot line, on said Land Lot 245; running thence north 0° 24' 26" west along the west Land Lot line of said Land Lot 245, 232.92 feet to a concrete monument on the southern right of way of Spink Street and the point of beginning; said property being located in the City of Atlanta and being unimproved property containing 16.23 acres.

EXHIBIT A

APPENDIX B

Laboratory Results - Delineation Samples

Analytical Environmental Services, Inc.

Date: *25-Feb-00*

CLIENT:	Rindt-McDuff Associates, Inc.	**Client Sample ID:**	M - 1 (B)
Lab Order:	0002349	**Collection Date:**	2/16/00 12:49:00 PM
Project:	Mindis/98329		
Lab ID:	0002349-002	**Matrix:**	SOIL

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP		**SW6010B**				Analyst: **MJ**
Barium	64.4	4.78		mg/Kg	1	2/17/00 2:17:00 PM
Lead	30.3	4.78		mg/Kg	1	2/17/00 2:17:00 PM
Thallium	5.38	4.78		mg/Kg	1	2/17/00 2:17:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **MF**
Aroclor 1016	BRL	33		µg/Kg	1	2/17/00 8:45:00 PM
Aroclor 1221	BRL	67		µg/Kg	1	2/17/00 8:45:00 PM
Aroclor 1232	BRL	33		µg/Kg	1	2/17/00 8:45:00 PM
Aroclor 1242	BRL	33		µg/Kg	1	2/17/00 8:45:00 PM
Aroclor 1248	BRL	33		µg/Kg	1	2/17/00 8:45:00 PM
Aroclor 1254	BRL	33		µg/Kg	1	2/17/00 8:45:00 PM
Aroclor 1260	BRL	33		µg/Kg	1	2/17/00 8:45:00 PM
Surr: Decachlorobiphenyl	91.0	30-150		%REC	1	2/17/00 8:45:00 PM
Surr: Tetrachloro-m-xylene	121	30-150		%REC	1	2/17/00 8:45:00 PM
COLIFORMS, FECAL		**HACH10028**				Analyst: **TL**
Fecal Coliform	BRL	11,000		MPN/gram-dry	10000	2/22/00 11:28:00 AM

Qualifiers:

- BRL - Below Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding Time exceeded

Analytical Environmental Services, Inc.

3781 Presidential Parkway

Atlanta, GA 30340

Telephone: (770) 457-8177 **Fax:** (770) 457-8188

Date: *16-Mar-00*

CLIENT:	Rindt-McDuff Associates, Inc.	**Client Sample ID:**	M - 1 (C)
Lab Order:	0002349	**Tag Number:**	
Project:	Mindis/98329	**Collection Date:**	2/16/00 12:57:00 PM
Lab ID:	0002349-003A	**Matrix:**	SOIL

Analyses	Result	Rpt Limit	Qual	Units	BatchID	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**					Analyst: **BW**
Aroclor 1016	BRL	33		µg/Kg	2882	1	3/3/00 2:59:00 AM
Aroclor 1221	BRL	67		µg/Kg	2882	1	3/3/00 2:59:00 AM
Aroclor 1232	BRL	33		µg/Kg	2882	1	3/3/00 2:59:00 AM
Aroclor 1242	BRL	33		µg/Kg	2882	1	3/3/00 2:59:00 AM
Aroclor 1248	280	33		µg/Kg	2882	1	3/3/00 2:59:00 AM
Aroclor 1254	BRL	33		µg/Kg	2882	1	3/3/00 2:59:00 AM
Aroclor 1260	BRL	33		µg/Kg	2882	1	3/3/00 2:59:00 AM
Surr: Decachlorobiphenyl	107	30-150		%REC	2882	1	3/3/00 2:59:00 AM
Surr: Tetrachloro-m-xylene	83.8	30-150		%REC	2882	1	3/3/00 2:59:00 AM
TOTAL METALS BY ICP		**SW6010B**					Analyst: **SS**
Barium	469	4.96		mg/Kg	2885	1	3/2/00 4:06:00 PM
Lead	87.1	4.96		mg/Kg	2885	1	3/2/00 4:06:00 PM
Thallium	BRL	4.96		mg/Kg	2885	1	3/2/00 4:06:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

Analytical Environmental Services, Inc.

Date: *25-Feb-00*

CLIENT:	Rindt-McDuff Associates, Inc.	**Client Sample ID:**	M - 2 (B)
Lab Order:	0002349	**Collection Date:**	2/16/00 1:17:00 PM
Project:	Mindis/98329		
Lab ID:	0002349-005	**Matrix:**	SOIL

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP		**SW6010B**				Analyst: **MJ**
Barium	56.7	4.99		mg/Kg	1	2/17/00 2:21:00 PM
Lead	76.6	4.99		mg/Kg	1	2/17/00 2:21:00 PM
Thallium	BRL	4.99		mg/Kg	1	2/17/00 2:21:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **MF**
Aroclor 1016	BRL	33		µg/Kg	1	2/17/00 9:16:00 PM
Aroclor 1221	BRL	67		µg/Kg	1	2/17/00 9:16:00 PM
Aroclor 1232	BRL	33		µg/Kg	1	2/17/00 9:16:00 PM
Aroclor 1242	BRL	33		µg/Kg	1	2/17/00 9:16:00 PM
Aroclor 1248	1,600	170		µg/Kg	5	2/18/00 10:10:00 AM
Aroclor 1254	BRL	33		µg/Kg	1	2/17/00 9:16:00 PM
Aroclor 1260	BRL	33		µg/Kg	1	2/17/00 9:16:00 PM
Surr: Decachlorobiphenyl	96.3	30-150		%REC	1	2/17/00 9:16:00 PM
Surr: Tetrachloro-m-xylene	75.6	30-150		%REC	1	2/17/00 9:16:00 PM
COLIFORMS, FECAL		**HACH10028**				Analyst: **TL**
Fecal Coliform	44.0	11.0		MPN/gram-dry	10	2/18/00 9:55:00 AM

Qualifiers:

- BRL - Below Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding Time exceeded

3781 Presidential Parkway, Suite 111, Atlanta, GA 30340
(770) 457-8177 / Toll-Free (800) 972-4889 / fax: (770) 457-8188

CHAIN OF CUSTODY RECORD

CHEMICAL ANALYSIS

Company Name: Rindt McDuff Assoc.
Address: 334 Cherokee St.
City, State, Zip: Marietta, GA 30060
Contact Person: R. Dawkins
Sampler's Name: R. Dawkins

Phone Number: 770.427.8123
Fax Number: 770.425.8930
Project Name: Mindis
Project Number: 98329
Purchase Order #:

Turnaround Time Requested:
- [X] Standard-3-5 Business Days (for most analyses)
- [ ] Same Day Rush
- [ ] Next Business Day Rush
- [ ] 2 Business Day Rush
- [ ] Other

Sample ID #	Sample Description/Location	Collected: Date	Collected: Time	Composite	Grab	Preservative	No. of Containers	Analysis/Method Required: Barium	Lead	Thallium	PCBs	Fecal Coliform				Comments/Special Instructions
M-1(A)	Soil (0.5')	2/16/00	12:44		X		1	X	X	X	X	X				Hold 000234
M-1(B)	(2.0')		12:49		X		2	X	X	X	X	X				—
M-1(C)	(5.0')		12:57		X		1	X	X	X	X					Hold —
M-2(A)	(0.5')		13:07		X		1	X	X	X	X					Hold —
M-2(B)	(3.0')		13:17		X		2	X	X	X	X	X				—

Relinquished By: Reginald Dawkins
Date/Time: 2/16/00 14:30
Received for Lab By: [illegible]
Date/Time: 2/16/2000 16:00
Received By:
Date/Time:
Relinquished By:
Date/Time:
Received By:
Date/Time:
Method of Shipment:
(Circle One) Hand-delivered FEDEX UPS U.S.Mail
Courier Service:
Other:

Courier Express

Analytical Environmental Services, Inc.

Date: *09-May-00*

CLIENT:	Rindt-McDuff Associates, Inc.	**Client Sample ID:**	M-3
Lab Order:	0005067	**Collection Date:**	5/2/00 11:40:00 AM
Project:	Mindis		
Lab ID:	0005067-009	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL		**SW6010B**				Analyst: **SS**
Barium	358	4.97		mg/Kg	1	5/5/00 12:16:00 PM
Lead	553	4.97		mg/Kg	1	5/5/00 12:16:00 PM
Thallium	BRL	4.97		mg/Kg	1	5/5/00 12:16:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BW**
Aroclor 1016	BRL	33		µg/Kg	1	5/5/00 10:45:00 PM
Aroclor 1221	BRL	66		µg/Kg	1	5/5/00 10:45:00 PM
Aroclor 1232	BRL	33		µg/Kg	1	5/5/00 10:45:00 PM
Aroclor 1242	BRL	33		µg/Kg	1	5/5/00 10:45:00 PM
Aroclor 1248	2,600	660		µg/Kg	20	5/8/00 10:10:00 PM
Aroclor 1254	910	660		µg/Kg	20	5/8/00 10:10:00 PM
Aroclor 1260	BRL	33		µg/Kg	1	5/5/00 10:45:00 PM
Surr: Decachlorobiphenyl	109	30-150		%REC	1	5/5/00 10:45:00 PM
Surr: Tetrachloro-m-xylene	56.7	30-150		%REC	1	5/5/00 10:45:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Services, Inc.

Date: *09-May-00*

CLIENT:	Rindt-McDuff Associates, Inc.	**Client Sample ID:**	M-4
Lab Order:	0005067	**Collection Date:**	5/2/00 12:08:00 PM
Project:	Mindis		
Lab ID:	0005067-010	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL		**SW6010B**				Analyst: **SS**
Barium	528	4.62		mg/Kg	1	5/5/00 12:56:00 PM
Lead	25.6	4.62		mg/Kg	1	5/5/00 12:56:00 PM
Thallium	22.0	4.62		mg/Kg	1	5/5/00 12:56:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BW**
Aroclor 1016	BRL	33		µg/Kg	1	5/9/00 11:10:00 AM
Aroclor 1221	BRL	66		µg/Kg	1	5/9/00 11:10:00 AM
Aroclor 1232	BRL	33		µg/Kg	1	5/9/00 11:10:00 AM
Aroclor 1242	BRL	33		µg/Kg	1	5/9/00 11:10:00 AM
Aroclor 1248	BRL	33		µg/Kg	1	5/9/00 11:10:00 AM
Aroclor 1254	BRL	33		µg/Kg	1	5/9/00 11:10:00 AM
Aroclor 1260	BRL	33		µg/Kg	1	5/9/00 11:10:00 AM
Surr: Decachlorobiphenyl	103	30-150		%REC	1	5/9/00 11:10:00 AM
Surr: Tetrachloro-m-xylene	104	30-150		%REC	1	5/9/00 11:10:00 AM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Services, Inc.

Date: *09-May-00*

CLIENT: Rindt-McDuff Associates, Inc.
Lab Order: 0005067
Project: Mindis
Lab ID: 0005067-011

Client Sample ID: M-5
Collection Date: 5/2/00 12:31:00 PM
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL		**SW6010B**				Analyst: **SS**
Barium	389	4.78		mg/Kg	1	5/5/00 1:01:00 PM
Lead	552	4.78		mg/Kg	1	5/5/00 1:01:00 PM
Thallium	4.87	4.78		mg/Kg	1	5/5/00 1:01:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BW**
Aroclor 1016	BRL	33		µg/Kg	1	5/5/00 11:17:00 PM
Aroclor 1221	BRL	67		µg/Kg	1	5/5/00 11:17:00 PM
Aroclor 1232	BRL	33		µg/Kg	1	5/5/00 11:17:00 PM
Aroclor 1242	BRL	33		µg/Kg	1	5/5/00 11:17:00 PM
Aroclor 1248	10,000	670		µg/Kg	20	5/9/00 11:42:00 AM
Aroclor 1254	4,600	670		µg/Kg	20	5/9/00 11:42:00 AM
Aroclor 1260	1,800	670		µg/Kg	20	5/9/00 11:42:00 AM
Surr: Decachlorobiphenyl	151	30-150		%REC	1	5/5/00 11:17:00 PM
Surr: Tetrachloro-m-xylene	70.6	30-150		%REC	1	5/5/00 11:17:00 PM

Qualifiers:

BRL - Below Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Services, Inc.

Date: *09-May-00*

CLIENT: Rindt-McDuff Associates, Inc.
Lab Order: 0005067
Project: Mindis
Lab ID: 0005067-012

Client Sample ID: M-6
Collection Date: 5/2/00 1:00:00 PM
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL		**SW6010B**				Analyst: **SS**
Barium	296	4.95		mg/Kg	1	5/5/00 1:05:00 PM
Lead	37.1	4.95		mg/Kg	1	5/5/00 1:05:00 PM
Thallium	28.1	4.95		mg/Kg	1	5/5/00 1:05:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BW**
Aroclor 1016	BRL	32		µg/Kg	1	5/9/00 12:14:00 PM
Aroclor 1221	BRL	65		µg/Kg	1	5/9/00 12:14:00 PM
Aroclor 1232	BRL	32		µg/Kg	1	5/9/00 12:14:00 PM
Aroclor 1242	BRL	32		µg/Kg	1	5/9/00 12:14:00 PM
Aroclor 1248	BRL	32		µg/Kg	1	5/9/00 12:14:00 PM
Aroclor 1254	BRL	32		µg/Kg	1	5/9/00 12:14:00 PM
Aroclor 1260	BRL	32		µg/Kg	1	5/9/00 12:14:00 PM
Surr: Decachlorobiphenyl	111	30-150		%REC	1	5/9/00 12:14:00 PM
Surr: Tetrachloro-m-xylene	97.2	30-150		%REC	1	5/9/00 12:14:00 PM

Qualifiers:

BRL - Below Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Analytical Environmental Services, Inc.

Date: 09-May-00

CLIENT:	Rindt-McDuff Associates, Inc.	**Client Sample ID:**	M-7
Lab Order:	0005067	**Collection Date:**	5/2/00 1:25:00 PM
Project:	Mindis		
Lab ID:	0005067-013	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL		**SW6010B**				Analyst: **SS**
Barium	319	4.96		mg/Kg	1	5/5/00 1:09:00 PM
Lead	665	4.96		mg/Kg	1	5/5/00 1:09:00 PM
Thallium	BRL	4.96		mg/Kg	1	5/5/00 1:09:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BW**
Aroclor 1016	BRL	33		µg/Kg	1	5/9/00 12:45:00 PM
Aroclor 1221	BRL	66		µg/Kg	1	5/9/00 12:45:00 PM
Aroclor 1232	BRL	33		µg/Kg	1	5/9/00 12:45:00 PM
Aroclor 1242	BRL	33		µg/Kg	1	5/9/00 12:45:00 PM
Aroclor 1248	600	33		µg/Kg	1	5/9/00 12:45:00 PM
Aroclor 1254	630	33		µg/Kg	1	5/9/00 12:45:00 PM
Aroclor 1260	610	33		µg/Kg	1	5/9/00 12:45:00 PM
Surr: Decachlorobiphenyl	72.8	30-150		%REC	1	5/9/00 12:45:00 PM
Surr: Tetrachloro-m-xylene	50.6	30-150		%REC	1	5/9/00 12:45:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Services, Inc.

Date: *09-May-00*

CLIENT:	Rindt-McDuff Associates, Inc.	**Client Sample ID:**	M-BG-C
Lab Order:	0005067	**Collection Date:**	5/1/00 9:32:00 AM
Project:	Mindis		
Lab ID:	0005067-003	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL		**SW6010B**				Analyst: **SS**
Barium	49.8	4.72		mg/Kg	1	5/5/00 12:47:00 PM
Lead	14.9	4.72		mg/Kg	1	5/5/00 12:47:00 PM
Thallium	BRL	4.72		mg/Kg	1	5/5/00 12:47:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BW**
Aroclor 1016	BRL	33		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1221	BRL	66		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1232	BRL	33		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1242	BRL	33		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1248	BRL	33		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1254	BRL	33		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1260	BRL	33		µg/Kg	1	5/8/00 9:38:00 PM
Surr: Decachlorobiphenyl	97.4	30-150		%REC	1	5/8/00 9:38:00 PM
Surr: Tetrachloro-m-xylene	32.2	30-150		%REC	1	5/8/00 9:38:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Services, Inc.

Date: *09-May-00*

CLIENT:	Rindt-McDuff Associates, Inc.	**Client Sample ID:**	M-BG-D
Lab Order:	0005067	**Collection Date:**	5/1/00 9:35:00 AM
Project:	Mindis		
Lab ID:	0005067-004	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL		**SW6010B**				Analyst: **SS**
Barium	101	4.62		mg/Kg	1	5/5/00 12:52:00 PM
Lead	97.0	4.62		mg/Kg	1	5/5/00 12:52:00 PM
Thallium	BRL	4.62		mg/Kg	1	5/5/00 12:52:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BW**
Aroclor 1016	BRL	33		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1221	BRL	66		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1232	BRL	33		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1242	BRL	33		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1248	110	33		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1254	120	33		µg/Kg	1	5/8/00 9:38:00 PM
Aroclor 1260	64	33		µg/Kg	1	5/8/00 9:38:00 PM
Surr: Decachlorobiphenyl	98.4	30-150		%REC	1	5/8/00 9:38:00 PM
Surr: Tetrachloro-m-xylene	112	30-150		%REC	1	5/8/00 9:38:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

3781 Presidential Parkway, Suite 111, Atlanta, GA 30340
(770) 457-8177 / Toll-Free (800) 972-4889 / fax: (770) 457-8188

CHAIN OF CUSTODY RECORD

CHEMICAL ANALYSIS

Company Name: Rindt-McDuff Associates
Address: 334 Cherokee St.
City, State, Zip: Marietta, GA 30060
Contact Person: R. Dawkins
Sampler's Name: R. Dawkins

Phone Number: 770.427.8123
Fax Number: 770.425.8930
Project Name: Mindis
Project Number: 99329
Purchase Order #:

Turnaround Time Requested:
- [X] Standard-3-5 Business Days (for most analyses)
- [ ] Same Day Rush
- [ ] Next Business Day Rush
- [ ] 2 Business Day Rush
- [ ] Other

Sample ID #	Sample Description/Location	Collected: Date	Time	Composite	Grab	Preservative	No. of Containers	Analysis/Method Required: Lead	Thallium	Barium	PCBs	Comments/Special Instructions
M-BG-A	Soil - Background 1'	5/1/00	4:28		X		1	X	X	X	X	0005067-001A
M-BG-B			9:30		X		1	X	X	X	X	2
M-BG-C			9:32		X		1	X	X	X	X	3
M-BG-D			9:35		X		1	X	X	X	X	4
M-BG-E	Soil - Background 4'		9:47		X		1	X	X	X	X	Hold 5
M-BG-F			9:49		X		1	X	X	X	X	Hold 6
M-BG-G			9:53		X		1	X	X	X	X	Hold 7
M-BG-H			9:55		X		1	X	X	X	X	Hold 8
M-3	Soil (2')	5/2/00	11:40		X		1	X	X	X	X	9
M-4	Soil (2')		12:08		X		1	X	X	X	X	10
M-5	Soil (3')		12:31		X		1	X	X	X	X	11
M-6	Soil (2')		13:00		X		1	X	X	X	X	12
M-7	Soil (2')		13:25		X		1	X	X	X	X	13

Relinquished By: [signature]
Date/Time: 5/3/00 13:00
Received for Lab By: M. Karacic
Date/Time: 5/3/00 12:45
Received By:
Date/Time:
Relinquished By:
Date/Time:
Received By:
Date/Time:
Method of Shipment:
(Circle One) Hand-delivered FEDEX UPS U.S.Mail
Courier Service:
Other:

APPENDIX C

Laboratory Results - Background Samples

Analytical Environmental Services, Inc.

Date: *09-May-00*

CLIENT:	Rindt-McDuff Associates, Inc.	**Client Sample ID:**	M-BG-A
Lab Order:	0005067	**Collection Date:**	5/1/00 9:28:00 AM
Project:	Mindis		
Lab ID:	0005067-001	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL		**SW6010B**				Analyst: **SS**
Barium	67.5	4.95		mg/Kg	1	5/5/00 12:38:00 PM
Lead	63.7	4.95		mg/Kg	1	5/5/00 12:38:00 PM
Thallium	BRL	4.95		mg/Kg	1	5/5/00 12:38:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BW**
Aroclor 1016	BRL	33		µg/Kg	1	5/8/00 3:15:00 PM
Aroclor 1221	BRL	67		µg/Kg	1	5/8/00 3:15:00 PM
Aroclor 1232	BRL	33		µg/Kg	1	5/8/00 3:15:00 PM
Aroclor 1242	BRL	33		µg/Kg	1	5/8/00 3:15:00 PM
Aroclor 1248	60	33		µg/Kg	1	5/8/00 3:15:00 PM
Aroclor 1254	77	33		µg/Kg	1	5/8/00 3:15:00 PM
Aroclor 1260	BRL	33		µg/Kg	1	5/8/00 3:15:00 PM
Surr: Decachlorobiphenyl	133	30-150		%REC	1	5/8/00 3:15:00 PM
Surr: Tetrachloro-m-xylene	105	30-150		%REC	1	5/8/00 3:15:00 PM

Qualifiers:

BRL - Below Reporting Limit

I - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Analytical Environmental Services, Inc.

Date: *09-May-00*

CLIENT:	Rindt-McDuff Associates, Inc.	**Client Sample ID:**	M-BG-B
Lab Order:	0005067	**Collection Date:**	5/1/00 9:30:00 AM
Project:	Mindis		
Lab ID:	0005067-002	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS, TOTAL		**SW6010B**				Analyst: **SS**
Barium	61.7	4.79		mg/Kg	1	5/5/00 12:43:00 PM
Lead	18.2	4.79		mg/Kg	1	5/5/00 12:43:00 PM
Thallium	BRL	4.79		mg/Kg	1	5/5/00 12:43:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**				Analyst: **BW**
Aroclor 1016	BRL	33		µg/Kg	1	5/8/00 8:34:00 PM
Aroclor 1221	BRL	66		µg/Kg	1	5/8/00 8:34:00 PM
Aroclor 1232	BRL	33		µg/Kg	1	5/8/00 8:34:00 PM
Aroclor 1242	BRL	33		µg/Kg	1	5/8/00 8:34:00 PM
Aroclor 1248	510	33		µg/Kg	1	5/8/00 8:34:00 PM
Aroclor 1254	150	33		µg/Kg	1	5/8/00 8:34:00 PM
Aroclor 1260	BRL	33		µg/Kg	1	5/8/00 8:34:00 PM
Surr: Decachlorobiphenyl	83.6	30-150		%REC	1	5/8/00 8:34:00 PM
Surr: Tetrachloro-m-xylene	54.0	30-150		%REC	1	5/8/00 8:34:00 PM

Qualifiers:

- BRL - Below Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

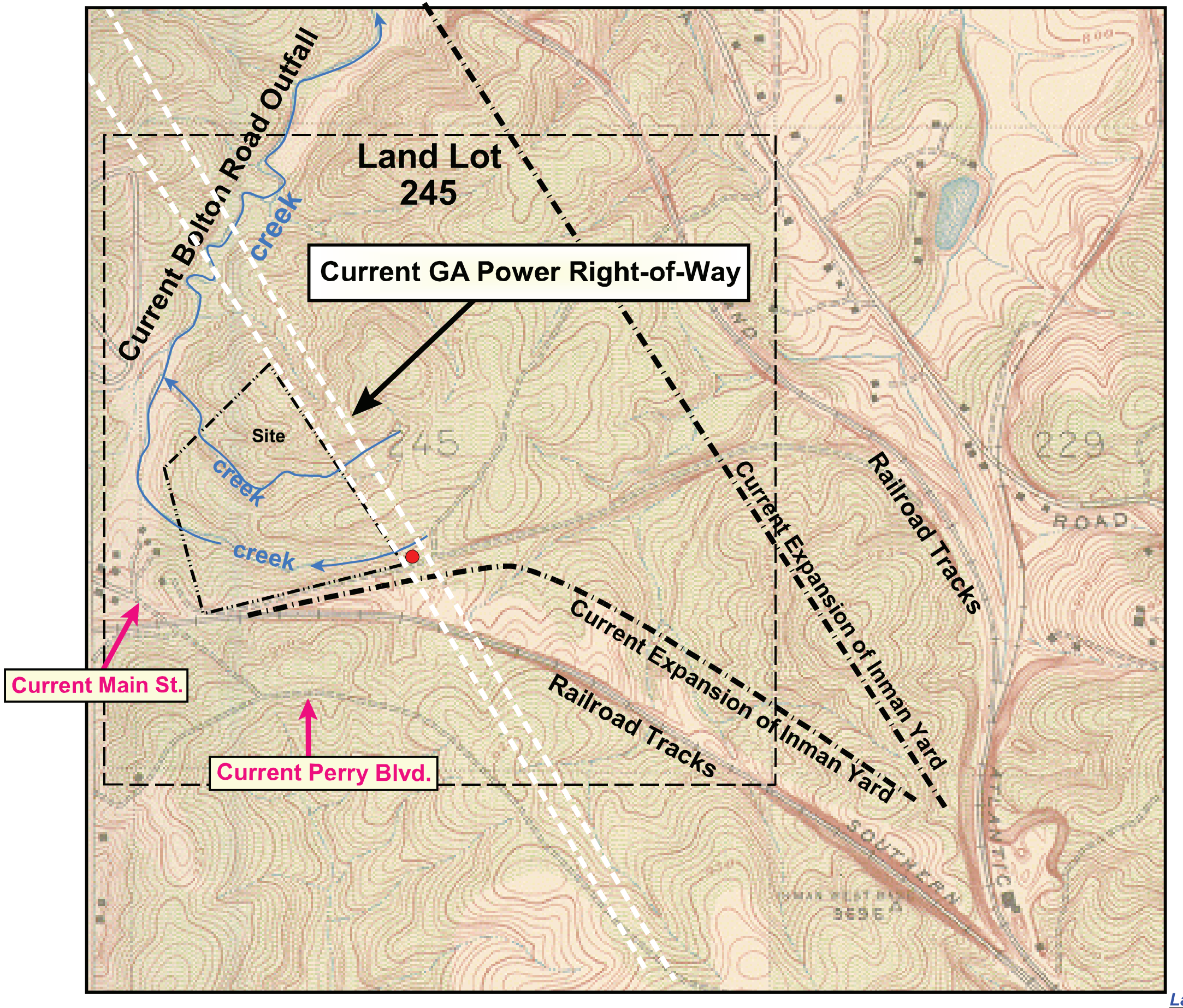
Appendix 3

Figure 1

1928 Topographic Map, City of Atlanta

Figure 2

1991 Topographic Map, City of Atlanta



1928 Topographic Map

2100 Spink Street Property Boundary - Estimated

City of Atlanta and Vicinity Topographic Map 1928
Control by US Coast & Geodetic Survey and City of Atlanta Mapping Division

Contour Interval = 5 feet

Figure 1

LandMark Resources, LLC 07/21/01 Randy Meadows, PG

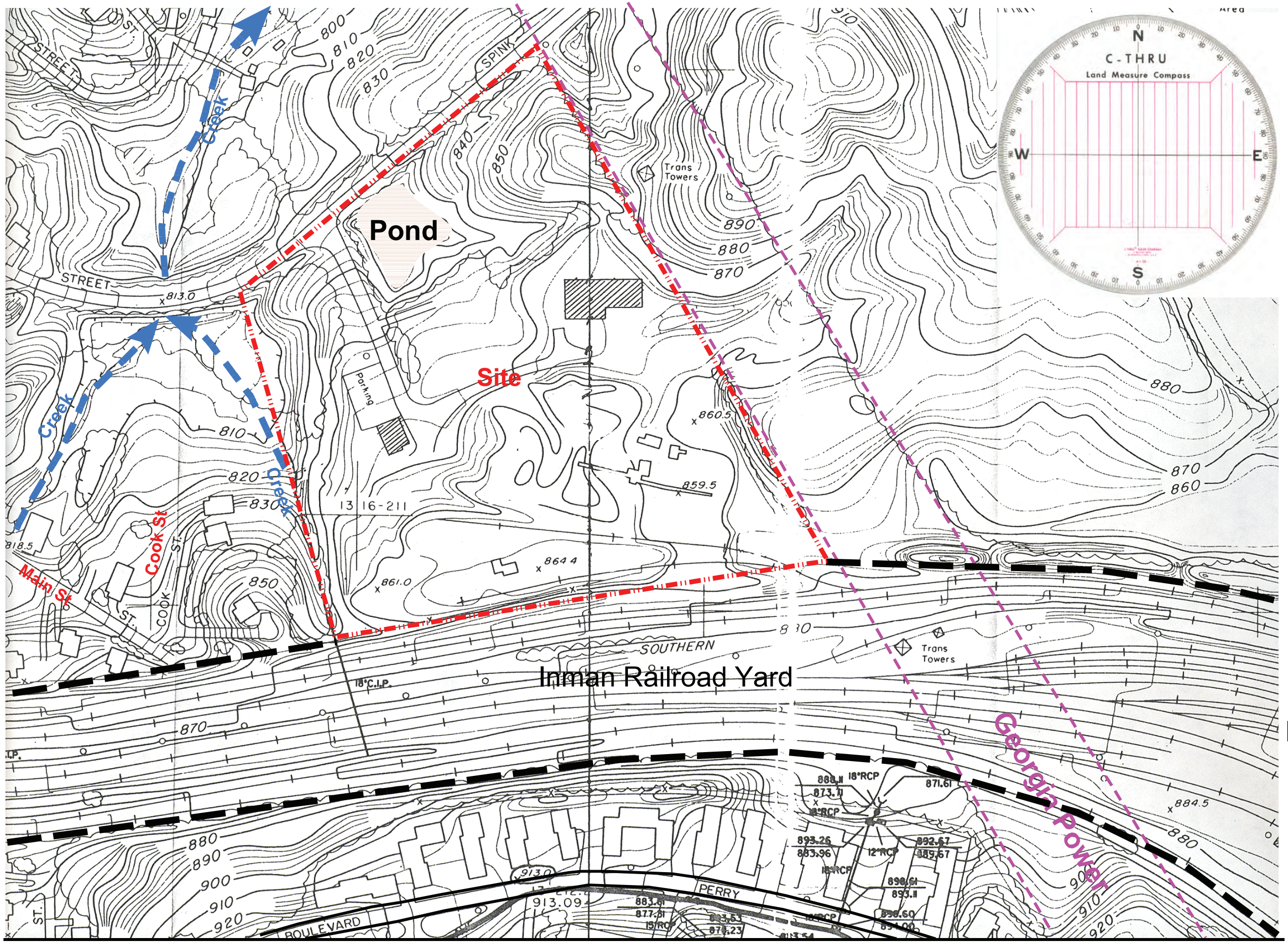


Figure 2

1991 Topographic Map, City of Atlanta

Map based on 2 ft surface contour interval - City of Atlanta - 1991

Approx. 200 ft

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC 12/03/06 Randy Meadows, PG

Appendix 4

Soil Boring Logs

Monitoring Well Construction Diagrams

Figure 1

Ground Water and Surface Water Sampling Locations

Well Drilling Activities Photos

Severe Scarring of the Air Rotary Drill Bit Photos

LandMark Resources, LLC
Geology / Hydrogeology / Engineering

Log Sheet #: 1

Boring ID: B-1

Client:	Yardum	**Auger Diameter (in.): 10**	**Comments:**
Project Name:	2100 Spink Street	***Field Party:***	CME Tracked RC Drilling Rig
Project #	103	**LMR: RLM, GLS**	Personel Monitoring: PGM-2000E 150-401357, QRAE H2S, O2, CO, LEL
Start Date:	10/3/2006		
Completion Date:	10/5/2006	**EEI: David, Berry, Tron**	

Sample No.	Sample Type	Depth ft.	Blow Count % Recovery	Soil / Lithology Description, Sampling	Sample PID/FID Reading (ppm)
		0		Layer of gravel - fill	
		1			
		2			
		3			
GW-1-1	SS	***4***	2-6-7	Fill - dirt brown	
		5		Gravel - Gneiss - Shist - refusal	
		6		Air rotary Boulder - gravel - dirt	
		7			
		8			
		9			
		10		Mixture of Soil, Gravel, Rock	
		11		Cave-ins	
		12			
		13			
		14			
		15			
		16			
		17			
		18			
		19			
		20			
		21			
		22			
		23			
		24			
		25			
		26			
		27			
		28			
		29			
		30			
		31			
		32			
		33		Refusal 10/5/2006	
		34			
		35			
		36			
		37			
		38			
		39			
		40			
		41			
		42			
		43			
		44			
		45			
		46			
		47			
		48			
		49			
		50			

Sampler Type:

SS - Driven Split Spoon
SH - Pressed Shelby Tube
OST - Ostenburg Piston Sampler
DEN - Denison Core Barrel sampler
SPT - Standard Penetration Test (ASTM D 1586-84)

Drilling Method: Hollow Stem Auger Air Rotary

Sampling Method: Grab

Geologist: Randy Meadows, PG

Driller: Environmental Exploration Incorporated (EEI)

R L Meadows, PG

LandMark Resources, LLC
Geology / Hydrogeology / Engineering

Log Sheet #: 1

Boring ID: B-2

Client:	Yardum	**Auger Diameter (in.): 10**	**Comments:**
Project Name:	2100 Spink Street	***Field Party:***	CME Tracked RC Drilling Rig
Project #	103	**LMR: RLM, GLS**	Personel Monitoring: PGM-2000E 150-401357, QRAE H2S, O2, CO, LEL
Start Date:	10/5/2006		
Completion Date:	10/5/2006	**EEI: David, Berry, Tron**	

Sample No.	Sample Type	Depth ft.	Blow Count % Recovery	Soil / Lithology Description, Sampling	Sample PID/FID Reading (ppm)
		0			
		1			
		2			
		3			
GW-2-1	SS	***4***	1-1-2	Fill - dirt brown to light brown silty sandy clay	
		5			
		6			
		7			
		8			
GW-2-2	SS	***9***	2-4-10	Very little recover. Light brown silty sandy clay	
		10		Refusal, rock.	
		11			
		12			
		13			
		14			
		15			
		16			
		17			
		18			
		19			
		20			
		21			
		22			
		23			
		24			
		25			
		26			
		27			
		28			
		29			
		30			
		31			
		32			
		33		Refusal 10/5/2006	
		34			
		35			
		36			
		37			
		38			
		39			
		40			
		41			
		42			
		43			
		44			
		45			
		46			
		47			
		48			
		49			
		50			

Sampler Type:

SS - Driven Split Spoon
SH - Pressed Shelby Tube
OST - Ostenburg Piston Sampler
DEN - Denison Core Barrel sampler
SPT - Standard Penetration Test (ASTM D 1586-84)

Drilling Method: Hollow Stem Auger

Sampling Method: Grab

Geologist: Randy Meadows, PG

Driller: Environmental Exploration Incorporated (EEI)

R L Meadows, PG

LandMark Resources, LLC
Geology / Hydrogeology / Engineering

Log Sheet #: 1

Boring ID: B-3

Client:	Yardum	**Auger Diameter (in.): 10**	**Comments:**
Project Name:	2100 Spink Street	***Field Party:***	CME Tracked RC Drilling Rig
Project #	103	**LMR: RLM, GLS**	Personel Monitoring: PGM-2000E 150-401357, QRAE H2S, O2, CO, LEL
Start Date:	10/5/2006		
Completion Date:	10/6/2006	**EEI: David, Berry, Tron**	

Sample No.	Sample Type	Depth ft.	Blow Count % Recovery	Soil / Lithology Description, Sampling	Sample PID/FID Reading (ppm)
		0			
		1			
		2			
		3			
GW-3-1	SS	***4***	2-2-4	Grey to light brown silty sandy clay.	
		5			
		6			
		7			
		8			
GW-3-2	SS	***9***	2-2-2	Tan to light brown to brown saprolitic clay.	
		10			
		11			
		12			
		13		Ground Water ▼	
GW-3-3		***14***		Tan to light tan saprolite.	
	SS	***15***			
		16			
		17			
		18			
	SS	***19***	3-6-12	Tan fine to very fine silty sandy clay.	
		20		Saprolite.	
		21			
		22			
		23			
		24			
		25		Boring terminated.	
		26			
		27			
		28			
		29			
		30			
		31			
		32			
		33			
		34			
		35			
		36			
		37			
		38			
		39			
		40			
		41			
		42			
		43			
		44			
		45			
		46			
		47			
		48			
		49			
		50			

Sampler Type:

SS - Driven Split Spoon
SH - Pressed Shelby Tube
OST - Ostenburg Piston Sampler
DEN - Denison Core Barrel sampler
SPT - Standard Penetration Test (ASTM D 1586-84)

Drilling Method: Hollow Stem Auger

Sampling Method: Grab

Geologist: Randy Meadows, PG

Driller: Environmental Exploration Incorporated (EEI)

R L Meadows, PG

LandMark Resources, LLC
Geology / Hydrogeology / Engineering

Log Sheet #: 1

Boring ID: B-4

Client:	Yardum	**Auger Diameter (in.): 10**	**Comments:**
Project Name:	2100 Spink Street	***Field Party:***	CME Tracked RC Drilling Rig
Project #	103	**LMR: RLM, GLS**	Personel Monitoring: PGM-2000E 150-401357, QRAE H2S, O2, CO, LEL
Start Date:	10/6/2006		
Completion Date:	10/6/2006	**EEI: David, Berry, Tron**	

Sample No.	Sample Type	Depth ft.	Blow Count % Recovery	Soil / Lithology Description, Sampling	Sample PID/FID Reading (ppm)
		0			
		1			
		2			
		3			
GW-4-1	SS	***4***	1-2-3	Compost. Black to red silty sandy clay.	
		5		Hydrocarbon odor.	27.5
		6			
		7			
		8			
GW-4-2	SS	***9***	3-5-7	Black organic soil.	
		10		Red to tan silty sandy clay.	
		11			
		12			
		13			
GW-4-3		***14***	4-12-32	Medium to fine grain white saprolite.	
	SS	***15***			
		16			
		17			
		18			
	SS	***19***			
		20	0	Auger refusal.	
		21			
		22			
		23			
		24			
		25			
		26			
		27			
		28			
		29			
		30			
		31			
		32			
		33			
		34			
		35			
		36			
		37			
		38			
		39			
		40			
		41			
		42			
		43			
		44			
		45			
		46			
		47			
		48			
		49			
		50			

Sampler Type:

SS - Driven Split Spoon
SH - Pressed Shelby Tube
OST - Ostenburg Piston Sampler
DEN - Denison Core Barrel sampler
SPT - Standard Penetration Test (ASTM D 1586-84)

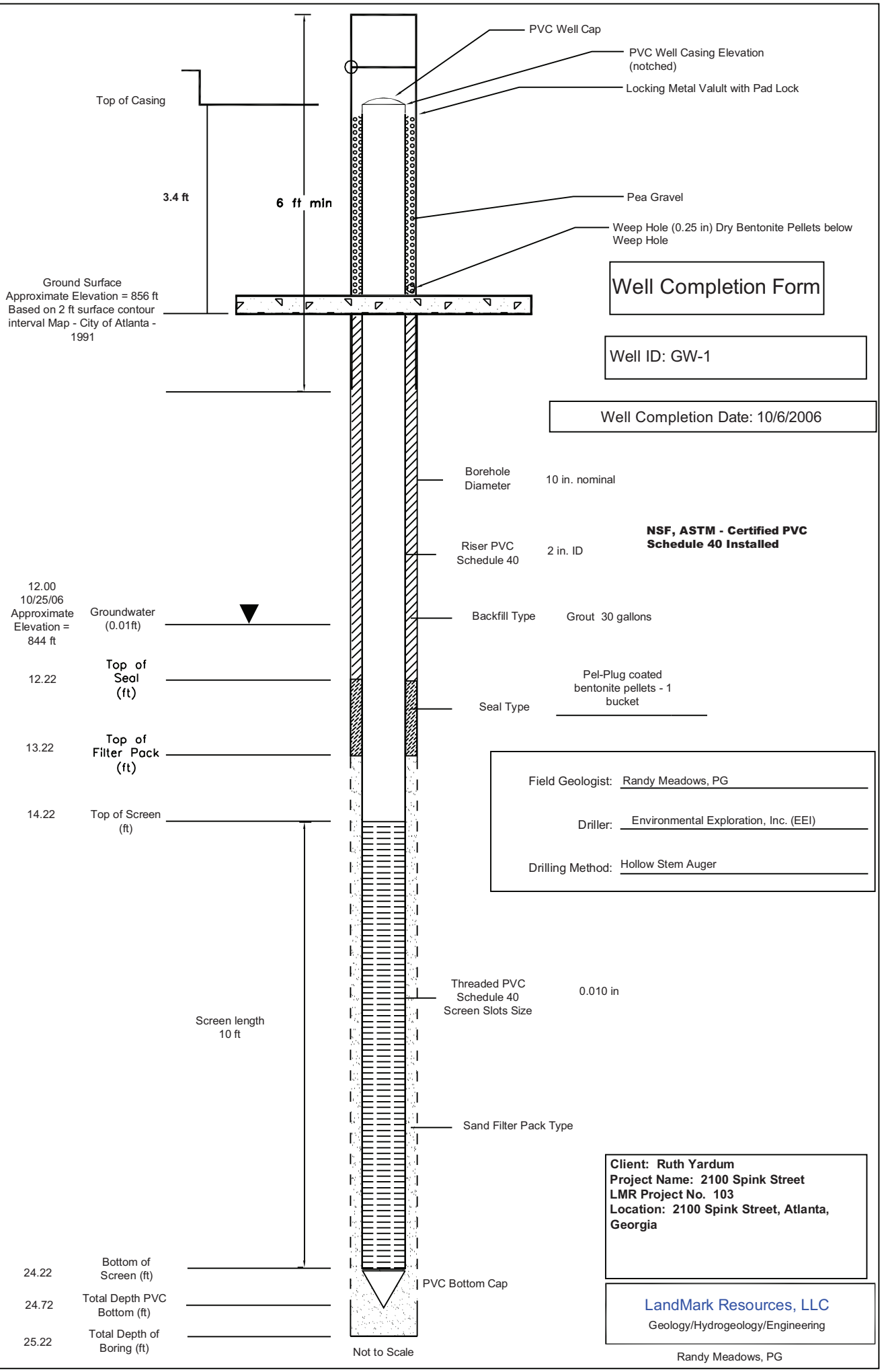
Drilling Method: Hollow Stem Auger

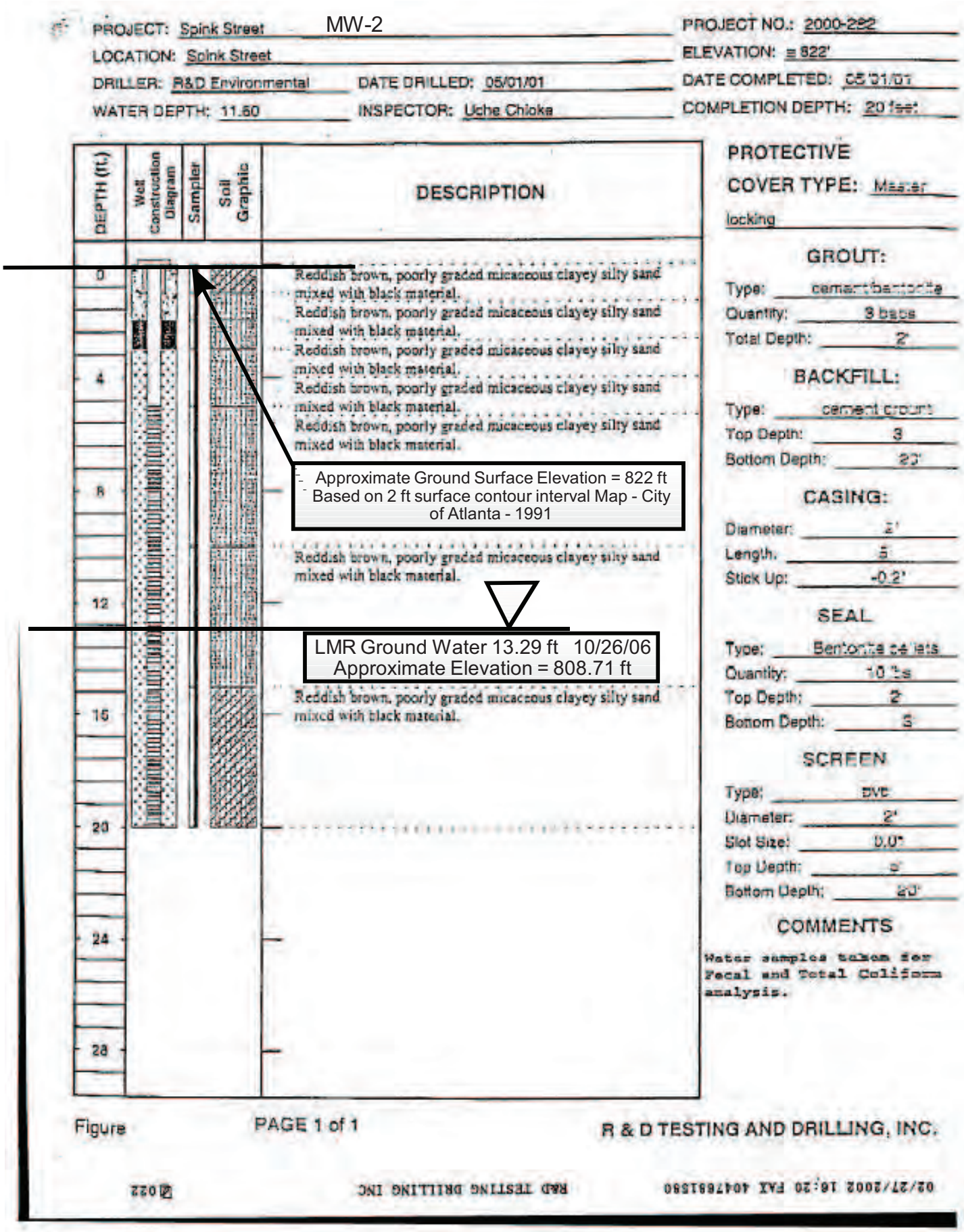
Sampling Method: Grab

Geologist: Randy Meadows, PG

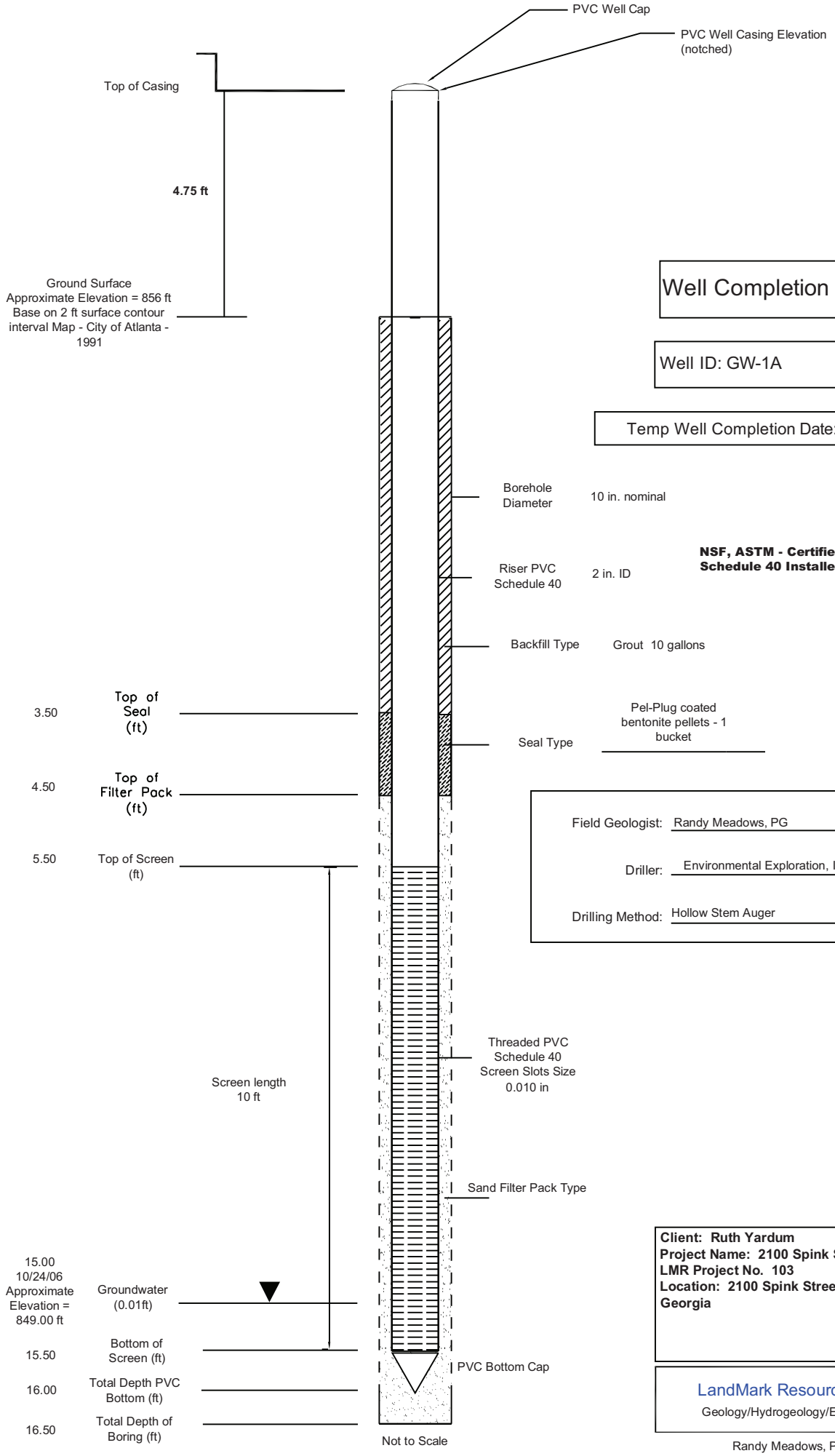
Driller: Environmental Exploration Incorporated (EEI)

R L Meadows, PG


PVC Well Cap
PVC Well Casing Elevation (notched)
Locking Metal Valult with Pad Lock
Top of Casing
3.4 ft
6 ft min
Pea Gravel
Weep Hole (0.25 in) Dry Bentonite Pellets below Weep Hole
Ground Surface Approximate Elevation = 856 ft Based on 2 ft surface contour interval Map - City of Atlanta - 1991
Well Completion Form
Well ID: GW-1
Well Completion Date: 10/6/2006
Borehole Diameter
10 in. nominal
NSF, ASTM - Certified PVC Schedule 40 Installed
Riser PVC Schedule 40
2 in. ID
12.00 10/25/06 Approximate Elevation = 844 ft
Groundwater (0.01ft)
Backfill Type
Grout 30 gallons
12.22
Top of Seal (ft)
Pel-Plug coated bentonite pellets - 1 bucket
Seal Type
13.22
Top of Filter Pack (ft)
Field Geologist: Randy Meadows, PG
Driller: Environmental Exploration, Inc. (EEI)
Drilling Method: Hollow Stem Auger
14.22
Top of Screen (ft)
Threaded PVC Schedule 40 Screen Slots Size
0.010 in
Screen length 10 ft
Sand Filter Pack Type
Client: Ruth Yardum
Project Name: 2100 Spink Street
LMR Project No. 103
Location: 2100 Spink Street, Atlanta, Georgia
24.22
Bottom of Screen (ft)
PVC Bottom Cap
24.72
Total Depth PVC Bottom (ft)
25.22
Total Depth of Boring (ft)
Not to Scale
LandMark Resources, LLC
Geology/Hydrogeology/Engineering
Randy Meadows, PG



Well Completion Log R&D MW-2, which is LMR GW-2



Well Completion Form

Well ID: GW-1A

Temp Well Completion Date: 10/6/2006

NSF, ASTM - Certified PVC Schedule 40 Installed

Field Geologist: Randy Meadows, PG

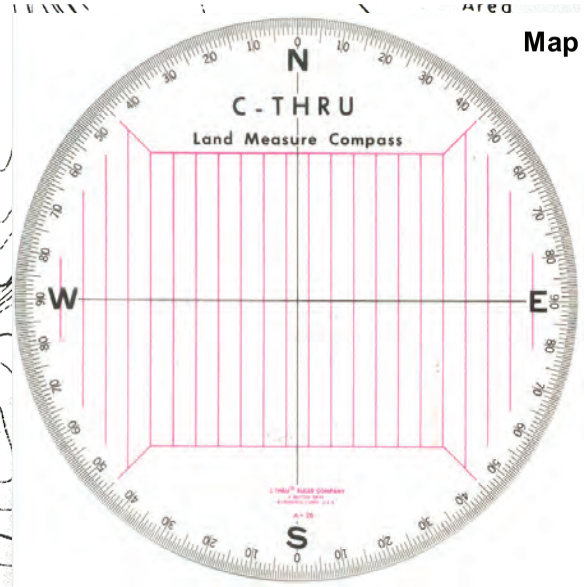
Driller: Environmental Exploration, Inc. (EEI)

Drilling Method: Hollow Stem Auger

Client: Ruth Yardum
Project Name: 2100 Spink Street
LMR Project No. 103
Location: 2100 Spink Street, Atlanta, Georgia

LandMark Resources, LLC
Geology/Hydrogeology/Engineering
Randy Meadows, PG

Map based on 2 ft surface contour interval - City of Atlanta -1991



GW-1 Location ID

Ground Water

Surface Water

Reference: Table 2 Appendix II Water

Result Units = milligrams / liter
MCL = Maximum Contamination Level

Figure 1

Ground Water and Surface Water Sampling Locations

Approx. 200 ft

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC ***12/03/06*** ***Randy Meadows, PG***

GW-1

GW-2
(R&D Well ID MW-2)

Temporary GW-1A

Completed Ground Water Monitoring Wells

At approximately 5 feet auger refusal was encountered. Air rotary was then employed and penetrated to approximately 33 feet. A void was encountered at depth causing air pressure to be lost and cave-ins to occur. Also, an obstacle was encountered which caused serious scarring to the drill bit and appeared not to be caused by rock, but metal.

Boring B-1 Air Rotary

B-1

B-3

B-2

B-4

Boring Locations showing Drilling Rig - CME 55
Tracked Remote Controlled

Project Number 103 LandMark Resources, LLC *12/12/06* *Randy Meadows, PG*

Appendix 5

Table 1
Soil Borings Results
Figure 1
Soil Borings Results

Table 1 Soil Borings Results

2100 Spink Street

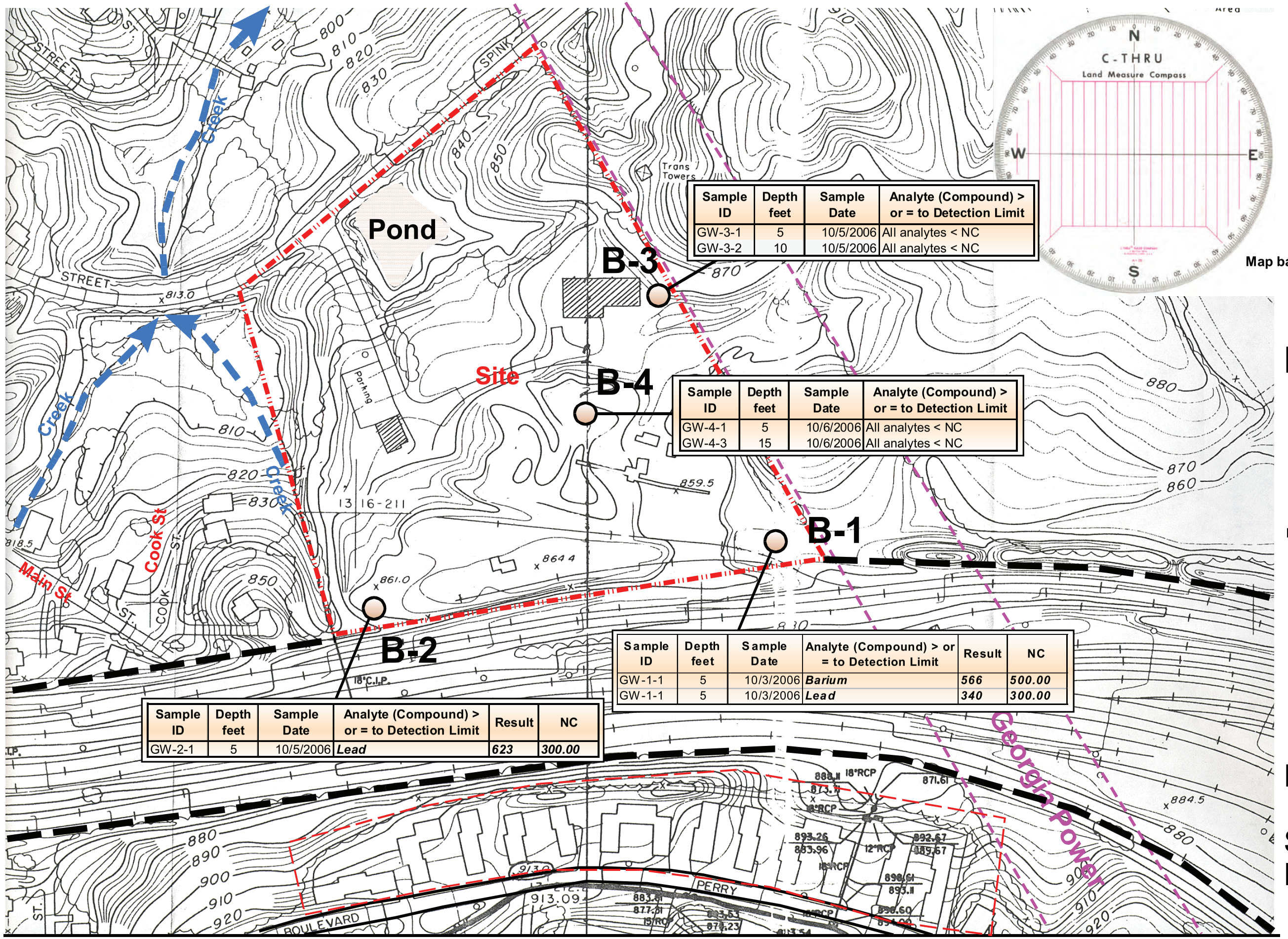
Atlanta, Georgia

#	Boring ID	Sample ID	Matrix	Depth feet	Method Description	Sample Date	Analyte (Compound) > or = to Detection Limit	Result	NC	Detection Limit	Unit
1	B-1	GW-1-1	Soil	5	Base/Neutral Extractables (3550B/8270C)	10/3/2006	Bis(2-ethylhexyl)phthalate	18.4	50.00	3.30	mg/kg
2	B-1	GW-1-1	Soil	5	Base/Neutral Extractables (3550B/8270C)	10/3/2006	Butyl benzyl phthalate	1.13	50.00	0.33	mg/kg
3	B-1	GW-1-1	Soil	5	PCBs (3550B/8082)	10/3/2006	Arochlor-1242	0.43	1.55	0.02	mg/kg
4	B-1	GW-1-1	Soil	5	PCBs (3550B/8082)	10/3/2006	Arochlor-1254	1.02	1.55	0.02	mg/kg
5	B-1	GW-1-1	Soil	5	RCRA Metals (6010B/7471A)	10/3/2006	Chromium	52.1	1200.00	5.00	mg/kg
6	B-1	GW-1-1	Soil	5	RCRA Metals (6010B/7471A)	10/3/2006	Cadmium	2.64	39.00	2.50	mg/kg
7	**B-1**	**GW-1-1**	**Soil**	**5**	**RCRA Metals (6010B/7471A)**	**10/3/2006**	***Barium***	***566***	***500.00***	**10.0**	**mg/kg**
8	**B-1**	**GW-1-1**	**Soil**	**5**	**RCRA Metals (6010B/7471A)**	**10/3/2006**	***Lead***	***340***	***300.00***	**5.00**	**mg/kg**
9	B-2	GW-2-1	Soil	5	Base/Neutral Extractables (3550B/8270C)	10/5/2006	Butyl benzyl phthalate	2.58	50.00	0.33	mg/kg
10	B-2	GW-2-1	Soil	5	Base/Neutral Extractables (3550B/8270C)	10/5/2006	Bis(2-ethylhexyl)phthalate	4.17	50.00	0.33	mg/kg
11	B-2	GW-2-1	Soil	5	PCBs (3550B/8082)	10/5/2006	Arochlor-1242	0.50	1.55	0.02	mg/kg
12	B-2	GW-2-1	Soil	5	PCBs (3550B/8082)	10/5/2006	Arochlor-1254	0.74	1.55	0.02	mg/kg
13	B-2	GW-2-1	Soil	5	RCRA Metals (6010B/7471A)	10/5/2006	Arsenic	7.75	41.00	5.00	mg/kg
14	**B-2**	**GW-2-1**	**Soil**	**5**	**RCRA Metals (6010B/7471A)**	**10/5/2006**	***Lead***	***623***	***300.00***	**5.00**	**mg/kg**
15	B-2	GW-2-1	Soil	5	RCRA Metals (6010B/7471A)	10/5/2006	Barium	385	500.00	10.0	mg/kg
16	B-2	GW-2-1	Soil	5	RCRA Metals (6010B/7471A)	10/5/2006	Chromium	443	1200.00	5.00	mg/kg
17	B-2	GW-2-1	Soil	5	RCRA Metals (6010B/7471A)	10/5/2006	Selenium	8.75	36.00	5.00	mg/kg
18	B-2	GW-2-1	Soil	5	RCRA Metals (6010B/7471A)	10/5/2006	Cadmium	4.64	39.00	2.50	mg/kg
19	B-3	GW-3-1	Soil	5	RCRA Metals (6010B/7471A)	10/5/2006	Selenium	8.28	36.00	5.00	mg/kg
20	B-3	GW-3-1	Soil	5	RCRA Metals (6010B/7471A)	10/5/2006	Chromium	27.3	1200.00	5.00	mg/kg
21	B-3	GW-3-1	Soil	5	RCRA Metals (6010B/7471A)	10/5/2006	Barium	150	500.00	10.0	mg/kg
22	B-3	GW-3-1	Soil	5	RCRA Metals (6010B/7471A)	10/5/2006	Lead	30.6	300.00	5.00	mg/kg
23	B-3	GW-3-1	Soil	5	Volatile Organics (5035/8260B)	10/5/2006	p-Isopropyltoluene	0.012	?	0.005	mg/kg
24	B-3	GW-3-2	Soil	10	RCRA Metals (6010B/7471A)	10/5/2006	Barium	108	500.00	10.0	mg/kg
25	B-3	GW-3-2	Soil	10	RCRA Metals (6010B/7471A)	10/5/2006	Lead	21.0	300.00	5.00	mg/kg
26	B-3	GW-3-2	Soil	10	RCRA Metals (6010B/7471A)	10/5/2006	Selenium	8.66	36.00	5.00	mg/kg
27	B-3	GW-3-2	Soil	10	RCRA Metals (6010B/7471A)	10/5/2006	Chromium	6.29	1200.00	5.00	mg/kg
28	B-4	GW-4-1	Soil	5	RCRA Metals (6010B/7471A)	10/6/2006	Lead	25.4	300.00	5.00	mg/kg
29	B-4	GW-4-1	Soil	5	RCRA Metals (6010B/7471A)	10/6/2006	Chromium	6.54	1200.00	5.00	mg/kg
30	B-4	GW-4-1	Soil	5	RCRA Metals (6010B/7471A)	10/6/2006	Barium	109	500.00	10.0	mg/kg
31	B-4	GW-4-1	Soil	5	Volatile Organics (5035/8260B)	10/6/2006	p-Isopropyltoluene	0.033	?	0.005	mg/kg
32	B-4	GW-4-3	Soil	15	RCRA Metals (6010B/7471A)	10/6/2006	Lead	8.25	300.00	5.00	mg/kg
33	B-4	GW-4-3	Soil	15	RCRA Metals (6010B/7471A)	10/6/2006	Barium	110	500.00	10.0	mg/kg

/BG The numerical value preceeding the slash shall be an NC, unless the background concentration is greater, in which case the background value shall supplant the numerical value as an NC.

mg/kg milligrams per kilogram

NC Soil concentrations that trigger notification requirements



Sample ID	Depth feet	Sample Date	Analyte (Compound) > or = to Detection Limit
GW-3-1	5	10/5/2006	All analytes < NC
GW-3-2	10	10/5/2006	All analytes < NC

Sample ID	Depth feet	Sample Date	Analyte (Compound) > or = to Detection Limit
GW-4-1	5	10/6/2006	All analytes < NC
GW-4-3	15	10/6/2006	All analytes < NC

Sample ID	Depth feet	Sample Date	Analyte (Compound) > or = to Detection Limit	Result	NC
GW-1-1	5	10/3/2006	***Barium***	***566***	***500.00***
GW-1-1	5	10/3/2006	***Lead***	***340***	***300.00***

Sample ID	Depth feet	Sample Date	Analyte (Compound) > or = to Detection Limit	Result	NC
GW-2-1	5	10/5/2006	***Lead***	***623***	***300.00***

Map based on 2 ft surface contour interval - City of Atlanta -1991

B-1 Soil Boring ID

Soil Boring Location

Result Units = milligrams / kilogram

NC Soil concentrations that trigger notification requirements

Reference: Table 1 Soil Borings Results

Figure 1

Soil Borings Results

Approx. 200 ft

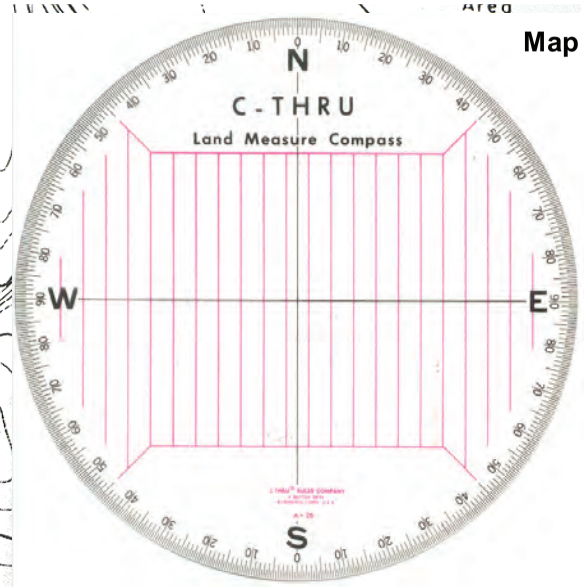
2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC 12/03/06 Randy Meadows, PG

Appendix 6

Ground Water Contour Map
Hydrogeologic cross-sections

Map based on 2 ft surface contour interval - City of Atlanta -1991



GW-2
808.71 ft
10/26/06

GW-1
844.00 ft
10/25/06

RW-1
813.10 ft
10/26/06

GW-1A
849.00 ft
10/24/06

Pond

Site

Spink St

Cook St

Main St

Georgia Power

Trans Towers

SOUTHERN

PERRY BOULEVARD

~ GW Elevation
Well ID

GW measurement date

Cross Section

Ground Water Contour
Interpretation: Garey L. Simpson, PG

Interpreted Ground Water Flow Direction

Ground Water Contour and Cross Sections Map

Approx. 200 ft

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC 12/15/06 Randy Meadows, PG

GW-2
808.71 ft
10/26/06

Well ID

~ GW Elevation

GW measurement date

GW-1A
849.00 ft
10/24/06

ft

870

860

850

840

830

820

810

800

Ground Surface

Ground Surface

Interpreted Ground Water Level

Interpreted Ground Water Level

Approx. 200 ft

Cross Section
GW-2 - GW-1A

Vertical Exageration Approximately: 8:1

Map based on 2 ft surface contour interval -
City of Atlanta -1991

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC *12/13/06 Randy Meadows, PG*

GW-2
808.71 ft
10/26/06

Well ID

~ GW Elevation

GW measurement date

GW-1
844.00 ft
10/25/06

GW-1A
849.00 ft
10/24/06

ft

870

860

850

840

830

820

810

800

Ground Surface

Ground Surface

Interpreted Ground Water Level

Interpreted Ground Water Level

Pond

Approx. 200 ft

Cross Section
GW-2 - GW-1 - GW-1A

Vertical Exageration Approximately: 7:1

Map based on 2 ft surface contour interval - City of Atlanta -1991

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC ***12/14/06*** ***Randy Meadows, PG***

GW-2
808.71 ft
10/26/06

Well ID

~ GW Elevation

GW measurement date

RW-1
813.10 ft
10/26/06

GW-1A
849.00 ft
10/24/06

ft

870

860

850

840

830

820

810

800

Ground Surface

Ground Surface

Interpreted Ground Water Level

Interpreted Ground Water Level

Approx. 200 ft

Cross Section
GW-2 - RW-1 -GW-1A

Vertical Exageration Approximately: 7:1

Map based on 2 ft surface contour interval - City of Atlanta -1991

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC 12/13/06 Randy Meadows, PG

Appendix 7

Table 1

Fecal Coliform (FC), Fecal Streptococcus (FS) and E. Coli (EC) results from surface and ground water

Figure 1

Fecal Coliform (FC), Fecal Streptococcus (FS) and E. Coli (EC) results from surface and ground water

Figure 2

Fecal Coliform Contour Map

Table 1 Biological

2100 Spink Street

Atlanta, Georgia

Reference:
Figure 1 Biological Results

#	Sample ID	Matrix	Date	Method Description	Analyte (Compound)	Result	Detection Limit	Unit
1	GW-1	Water	10/13/2006	E. Coli (SM9223B)	Coliform Fecal	BQL	10	#/100 ml
2	GW-1	Water	10/13/2006	F. Coliform(SM9222D)	Coliform Fecal	10	10	#/100 ml
3	GW-1	Water	10/13/2006	Fecal Strep (SM9230C)	Fecal Streptococci	BQL	10	#/100 ml
4	SW-1	Water	10/13/2006	E. Coli (SM9223B)	Coliform Fecal	>20,000	10	#/100 ml
5	SW-1	Water	10/13/2006	F. Coliform(SM9222D)	Coliform Fecal	>50,000	10	#/100 ml
6	SW-1	Water	10/13/2006	Fecal Strep (SM9230C)	Fecal Streptococci	56,000	10	#/100 ml
7	SW-2	Water	10/13/2006	E. Coli (SM9223B)	Coliform Fecal	20	10	#/100 ml
8	SW-2	Water	10/13/2006	F. Coliform(SM9222D)	Coliform Fecal	770	10	#/100 ml
9	SW-2	Water	10/13/2006	Fecal Strep (SM9230C)	Fecal Streptococci	55	10	#/100 ml
10	SW-3	Water	10/13/2006	E. Coli (SM9223B)	Coliform Fecal	2,600	10	#/100 ml
11	SW-3	Water	10/13/2006	F. Coliform(SM9222D)	Coliform Fecal	24,000	10	#/100 ml
12	SW-3	Water	10/13/2006	Fecal Strep (SM9230C)	Fecal Streptococci	4,400	10	#/100 ml
13	RW-1	Water	10/13/2006	E. Coli (SM9223B)	Coliform Fecal	BQL	10	#/100 ml
14	RW-1	Water	10/13/2006	F. Coliform(SM9222D)	Coliform Fecal	340	10	#/100 ml
15	RW-1	Water	10/13/2006	Fecal Strep (SM9230C)	Fecal Streptococci	55	10	#/100 ml
16	SW-4	Water	10/13/2006	E. Coli (SM9223B)	Coliform Fecal	28	10	#/100 ml
17	SW-4	Water	10/13/2006	F. Coliform(SM9222D)	Coliform Fecal	440	10	#/100 ml
18	SW-4	Water	10/13/2006	Fecal Strep (SM9230C)	Fecal Streptococci	180	10	#/100 ml
19	SW-5	Water	10/13/2006	E. Coli (SM9223B)	Coliform Fecal	500	10	#/100 ml
20	SW-5	Water	10/13/2006	F. Coliform(SM9222D)	Coliform Fecal	700	10	#/100 ml
21	SW-5	Water	10/13/2006	Fecal Strep (SM9230C)	Fecal Streptococci	1,100	10	#/100 ml
22	GW-2	Water	10/13/2006	E. Coli (SM9223B)	Coliform Fecal	BQL	10	#/100 ml
23	GW-2	Water	10/13/2006	F. Coliform(SM9222D)	Coliform Fecal	10	10	#/100 ml
24	GW-2	Water	10/13/2006	Fecal Strep (SM9230C)	Fecal Streptococci	BQL	10	#/100 ml
25	GW-1A	Water	10/24/2006	E. Coli (SM9223B)	Coliform Fecal	***	10	#/100 ml
26	GW-1A	Water	10/24/2006	F. Coliform(SM9222D)	Coliform Fecal	62,000	10	#/100 ml
27	GW-1A	Water	10/24/2006	Fecal Strep (SM9230C)	Fecal Streptococci	**	10	#/100 ml
28	SW-3	Water	10/24/2006	E. Coli (SM9223B)	Coliform Fecal	***	10	#/100 ml
29	SW-3	Water	10/24/2006	F. Coliform(SM9222D)	Coliform Fecal	3,300	10	#/100 ml
30	SW-3	Water	10/24/2006	Fecal Strep (SM9230C)	Fecal Streptococci	4,200	10	#/100 ml
31	SW-2	Water	10/24/2006	E. Coli (SM9223B)	Coliform Fecal	***	10	#/100 ml
32	SW-2	Water	10/24/2006	F. Coliform(SM9222D)	Coliform Fecal	380	10	#/100 ml
33	SW-2	Water	10/24/2006	Fecal Strep (SM9230C)	Fecal Streptococci	100	10	#/100 ml
34	SW-1	Water	10/24/2006	E. Coli (SM9223B)	Coliform Fecal	***	10	#/100 ml
35	SW-1	Water	10/24/2006	F. Coliform(SM9222D)	Coliform Fecal	880	10	#/100 ml
36	SW-1	Water	10/24/2006	Fecal Strep (SM9230C)	Fecal Streptococci	2,100	10	#/100 ml
37	GW-1	Water	10/25/2006	E. Coli (SM9223B)	Coliform Fecal	***	10	#/100 ml
38	GW-1	Water	10/25/2006	F. Coliform(SM9222D)	Coliform Fecal	BQL	10	#/100 ml
39	GW-1	Water	10/25/2006	Fecal Strep (SM9230C)	Fecal Streptococci	BQL	10	#/100 ml
40	SW-4	Water	10/25/2006	E. Coli (SM9223B)	Coliform Fecal	***	10	#/100 ml
41	SW-4	Water	10/25/2006	F. Coliform(SM9222D)	Coliform Fecal	135	10	#/100 ml
42	SW-4	Water	10/25/2006	Fecal Strep (SM9230C)	Fecal Streptococci	100	10	#/100 ml
43	SW-5	Water	10/25/2006	E. Coli (SM9223B)	Coliform Fecal	***	10	#/100 ml
44	SW-5	Water	10/25/2006	F. Coliform(SM9222D)	Coliform Fecal	310	10	#/100 ml
45	SW-5	Water	10/25/2006	Fecal Strep (SM9230C)	Fecal Streptococci	1,080	10	#/100 ml
46	RW-1	Water	10/26/2006	E. Coli (SM9223B)	Coliform Fecal	***	10	#/100 ml
47	RW-1	Water	10/26/2006	F. Coliform(SM9222D)	Coliform Fecal	2,400 E	10	#/100 ml
48	RW-1	Water	10/26/2006	Fecal Strep (SM9230C)	Fecal Streptococci	1,800 E	10	#/100 ml
49	GW-2	Water	10/26/2006	E. Coli (SM9223B)	Coliform Fecal	***	10	#/100 ml
50	GW-2	Water	10/26/2006	F. Coliform(SM9222D)	Coliform Fecal	82	10	#/100 ml
47	GW-2	Water	10/26/2006	Fecal Strep (SM9230C)	Fecal Streptococci	240	10	#/100 ml
48	SW-3	Water	12/7/2006	E. Coli (MColiBlue24)	Coliform Fecal	4,000	10	#/100 ml
49	SW-3	Water	12/7/2006	F. Coliform(SM9222D)	Coliform Fecal	128,000	10	#/100 ml
50	SW-3	Water	12/7/2006	Fecal Strep (SM9230C)	Fecal Streptococci	5,800	10	#/100 ml
51	GW-1A	Water	12/7/2006	E. Coli (MColiBlue24)	Coliform Fecal	BQL	10	#/100 ml
52	GW-1A	Water	12/7/2006	F. Coliform(SM9222D)	Coliform Fecal	3,000	10	#/100 ml
49	GW-1A	Water	12/7/2006	Fecal Strep (SM9230C)	Fecal Streptococci	13,000	10	#/100 ml

*** Subcontractor laboratory did not have the required media in stock to perform this analysis

** There was insufficient sample to perform this analysis

E Estimated value: (I) sample received or analyzed beyond the accepted holding time; (ii) sample received at improper temperature; for an analyte did not meet qc criteria (iii) the continuing calibration

GW Ground Water
SW Surface Water

BQL Below practical quantitation limit

Map based on 2 ft surface contour interval - City of Atlanta -1991

SW-4 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	28
Single Fecal	F. Coliform (SM9222D)	440
Single Strep- W	Fecal Strep (SM9230C)	180
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	135
Single Strep- W	Fecal Strep (SM9230C)	100

SW-5 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	500
Single Fecal	F. Coliform (SM9222D)	700
Single Strep- W	Fecal Strep (SM9230C)	1,100
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	310
Single Strep- W	Fecal Strep (SM9230C)	1,080

SW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	>20,000
Single Fecal	F. Coliform (SM9222D)	>50,000
Single Strep- W	Fecal Strep (SM9230C)	56,000
10/24/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	880
Single Strep- W	Fecal Strep (SM9230C)	2,100

GW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform (SM9222D)	10
Single Strep- W	Fecal Strep (SM9230C)	BQL
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	BQL
Single Strep- W	Fecal Strep (SM9230C)	BQL

GW-2 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform(SM9222D)	10
Single Strep- W	Fecal Strep (SM9230C)	BQL
10/26/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform(SM9222D)	82
Single Strep- W	Fecal Strep (SM9230C)	240

SW-3 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	2,600
Single Fecal	F. Coliform (SM9222D)	24,000
Single Strep- W	Fecal Strep (SM9230C)	4,400
10/24/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	3,300
Single Strep- W	Fecal Strep (SM9230C)	4,200
12/7/2006		
Single E. Coli	E. Coli (MColiBlue24)	4,000
Single Fecal	F. Coliform (SM9222D)	128,000
Single Strep- W	Fecal Strep (SM9230C)	5,800

RW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform (SM9222D)	340
Single Strep- W	Fecal Strep (SM9230C)	55
10/26/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	2,400 E
Single Strep- W	Fecal Strep (SM9230C)	1,800 E

SW-2 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	20
Single Fecal	F. Coliform (SM9222D)	770
Single Strep- W	Fecal Strep (SM9230C)	55
10/24/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	380
Single Strep- W	Fecal Strep (SM9230C)	100

GW-1A 10/24/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	62,000
Single Strep- W	Fecal Strep (SM9230C)	**
12/7/2006		
Single E. Coli	E. Coli (MColiBlue24)	BQL
Single Fecal	F. Coliform (SM9222D)	3,000
Single Strep- W	Fecal Strep (SM9230C)	13,000

Ground Water

Surface Water

GW-1 Sample ID

10/13/2006 Sample Date

Reference: Table 1 Biological

Result Units = #/100 ml

*** Subcontractor laboratory did not have the required media in stock to perform this analysis

** There was insufficient sample to perform this analysis

BQL Below practical quantitation limit

E Estimated value: (I) sample received or analyzed beyond the accepted holding time; (ii) sample received at improper temperature; (iii) the continuing calibration for an analyte did not meet qc criteria

Figure 1

Biological Results Map

Approx. 200 ft

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC 1/11/07 Randy Meadows, PG

SW-4 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	28
Single Fecal	F. Coliform (SM9222D)	440
Single Strep- W	Fecal Strep (SM9230C)	180
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	135
Single Strep- W	Fecal Strep (SM9230C)	100

SW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	>20,000
Single Fecal	F. Coliform (SM9222D)	>50,000
Single Strep- W	Fecal Strep (SM9230C)	56,000
10/24/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	880
Single Strep- W	Fecal Strep (SM9230C)	2,100

SW-5 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	500
Single Fecal	F. Coliform (SM9222D)	700
Single Strep- W	Fecal Strep (SM9230C)	1,100
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	310
Single Strep- W	Fecal Strep (SM9230C)	1,080

GW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform (SM9222D)	10
Single Strep- W	Fecal Strep (SM9230C)	BQL
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	BQL
Single Strep- W	Fecal Strep (SM9230C)	BQL

GW-2 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform(SM9222D)	10
Single Strep- W	Fecal Strep (SM9230C)	BQL
10/26/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform(SM9222D)	82
Single Strep- W	Fecal Strep (SM9230C)	240

SW-3 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	2,600
Single Fecal	F. Coliform (SM9222D)	24,000
Single Strep- W	Fecal Strep (SM9230C)	4,400
10/24/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	3,300
Single Strep- W	Fecal Strep (SM9230C)	4,200
12/7/2006		
Single E. Coli	E. Coli (MColiBlue24)	4,000
Single Fecal	F. Coliform (SM9222D)	128,000
Single Strep- W	Fecal Strep (SM9230C)	5,800

RW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform (SM9222D)	340
Single Strep- W	Fecal Strep (SM9230C)	55
10/26/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	2,400 E
Single Strep- W	Fecal Strep (SM9230C)	1,800 E

SW-2 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	20
Single Fecal	F. Coliform (SM9222D)	770
Single Strep- W	Fecal Strep (SM9230C)	55
10/24/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	380
Single Strep- W	Fecal Strep (SM9230C)	100

GW-1A 10/24/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	62,000
Single Strep- W	Fecal Strep (SM9230C)	**
12/7/2006		
Single E. Coli	E. Coli (MColiBlue24)	BQL
Single Fecal	F. Coliform (SM9222D)	3,000
Single Strep- W	Fecal Strep (SM9230C)	13,000

Map based on 2 ft surface contour interval - City of Atlanta -1991

Fecal Coliform Contour Interpretation: Garey L. Simpson, PG

50,000

Ground Water

Surface Water

GW-1 Sample ID

10/13/2006 Sample Date

Reference: Table 1 Biological

Result Units = #/100 ml

*** Subcontractor laboratory did not have the required media in stock to perform this analysis

** There was insufficient sample to perform this analysis

BQL Below practical quantitation limit

E Estimated value: (I) sample received or analyzed beyond the accepted holding time; (ii) sample received at improper temperature; (iii) the continuing calibration for an analyte did not meet qc criteria

Figure 2

Fecal Coliform Contour Map

Approx. 200 ft

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC 1/11/07 Randy Meadows, PG

Appendix 8

Table 1

Appendix II Water

Figure 1

Surface and Ground Water Constituent Concentration Map

Table 1 Appendix II Water

2100 Spink Street

Atlanta, Georgia

#	Sample ID	Matrix	Method Description	Sample Date	Analyte (Compound) > or = to Detection Limit	Result	MCL Ground Water	Detection Limit	Unit
1	GW-1	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/25/2006	Zinc	0.205	2.000	0.020	mg/L
2	GW-1	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/25/2006	Copper	0.022	1.300	0.020	mg/L
3	GW-1	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/25/2006	Barium	0.230	2.000	0.020	mg/L
4	GW-1	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/25/2006	Lead	0.014	0.015	0.010	mg/L
5	GW-2	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/26/2006	Nickel	0.023	0.100	0.020	mg/L
6	GW-2	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/26/2006	Arsenic	0.010	0.050	0.010	mg/L
7	GW-2	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/26/2006	Lead	0.093	0.015	0.010	mg/L
8	GW-2	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/26/2006	Copper	0.162	1.300	0.020	mg/L
9	GW-2	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/26/2006	Vanadium	0.088	0.200	0.050	mg/L
10	GW-2	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/26/2006	Barium	0.618	2.000	0.020	mg/L
11	GW-2	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/26/2006	Zinc	0.319	2.000	0.020	mg/L
12	GW-2	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/26/2006	Beryllium	0.011	0.004	0.004	mg/L
13	GW-2	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/26/2006	Chromium	0.031	0.100	0.020	mg/L
14	SW-2	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/24/2006	Barium	0.296	2.000	0.020	mg/L
15	SW-2	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/24/2006	Zinc	0.045	2.000	0.020	mg/L
16	SW-2	Water	Cyanide (9012A)	10/24/2006	Cyanide	0.032	10.000	0.020	mg/L
17	SW-3	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/24/2006	Barium	0.080	2.000	0.020	mg/L
18	SW-3	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/24/2006	Nickel	0.061	0.100	0.020	mg/L
19	SW-3	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/24/2006	Lead	0.015	0.015	0.010	mg/L
20	SW-3	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/24/2006	Copper	0.053	1.300	0.020	mg/L
21	SW-3	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/24/2006	Zinc	0.102	2.000	0.020	mg/L
22	SW-3	Water	Sulfide (9034)	10/24/2006	Sulfide	12.7		1.0	mg/L
23	SW-4	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/25/2006	Barium	0.124	2.000	0.020	mg/L
24	SW-4	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/25/2006	Zinc	0.106	2.000	0.020	mg/L
25	SW-4	Water	Sulfide (9034)	10/25/2006	Sulfide	15.3		1.0	mg/L
26	SW-5	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/25/2006	Barium	0.084	2.000	0.020	mg/L
27	SW-5	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/25/2006	Copper	0.023	1.300	0.020	mg/L
28	SW-5	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/25/2006	Lead	0.023	0.015	0.010	mg/L
29	SW-5	Water	Appendix II Metals (6010B/7470A/7841/7041)	10/25/2006	Zinc	0.062	2.000	0.020	mg/L

GW Ground Water
SW Surface Water

mg/l milligrams per liter
MCL maximum contamination level

Map based on 2 ft surface contour interval - City of Atlanta -1991

Date	Analyte (Compound) > or = to Detection Limit
10/25/2006	All analytes < or = MCL

Date	Analyte (Compound) > or = to Detection Limit	Result	MCL Ground Water
10/25/2006	*Lead*	*0.023*	*0.015*

Date	Analyte (Compound) > or = to Detection Limit
10/24/2006	Not enough water

Date	Analyte (Compound) > or = to Detection Limit
10/25/2006	All analytes < or = MCL

Sample Date	Analyte (Compound) > or = to Detection Limit	Result	MCL Ground Water
10/26/2006	Lead	0.093	0.015

Date	Analyte (Compound) > or = to Detection Limit
10/24/2006	All analytes < or = MCL

Date	Analyte (Compound) > or = to Detection Limit
10/25/2006	Not enough water

Date	Analyte (Compound) > or = to Detection Limit
10/26/2006	Not enough water

Date	Analyte (Compound) > or = to Detection Limit
10/24/2006	All analytes < or = MCL

SW-4 Pond
GW-2
SW-5
SW-1
Site
GW-1
SW-3
RW-2
SW-2
GW-1A

GW-1 Location ID

Ground Water

Surface Water

Reference: Table 2 Appendix II Water

Result Units = milligrams / liter
MCL = Maximum Contamination Level

Figure 1

Surface & Ground Water Constituent Concentration Map

Approx. 200 ft

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC 12/03/06 Randy Meadows, PG

Appendix 9
Laboratory Results

ACL

ADVANCED CHEMISTRY LABS, INC.

Phone: (770) 409-1444
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3039 Amwiler Road • Suite 100 • Atlanta, GA 30360
P.O. Box 88610 • Atlanta, GA 30356
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Laboratory Report

ACL Project #: 51724

Client Proj #: 103

Prepared For:

LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Attention: Mr. Randy Meadows

Report Date: 11/24/2006

This report contains 47 pages.
(including this cover page and chain of custody)

John Andros
Technical Director

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

ACL certifies that the following analytical results meet all the requirements of NELAC.

ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

ACL

ADVANCED CHEMISTRY LABS, INC.

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e-mail: acl@acl-labs.net

3039 Amwiler Road, Suite 100, Atlanta, GA 30360
P. O. Box 88610, Atlanta, GA 30356

Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value: (i) sample received or analyzed beyond the accepted holding time; (ii) sample received at improper temperature or with inappropriate preservative; (iii) the continuing calibration for an analyte did not meet qc criteria;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

Upon client request, a statement of the test result estimated uncertainty can be provided.

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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ADVANCED CHEMISTRY LABS, INC.
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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Volatile Organics (5035/8260B)

Sample ID: GW-1-1

Matrix: Soil
Date Sampled: 10/03/2006
Date Extracted: 10/03/2006
Date Analyzed: 10/13/2006

ACL Sample #: 248027 **Units:** mg/kg **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	0.100	trans-1,2-Dichloroethene	BQL	0.005
Acrolein	BQL	0.050	1,2-Dichloropropane	BQL	0.005
Acrylonitrile	BQL	0.050	1,3-Dichloropropane	BQL	0.005
Benzene	BQL	0.005	2,2-Dichloropropane	BQL	0.005
Bromobenzene	BQL	0.005	1,1-Dichloropropene	BQL	0.005
Bromochloromethane	BQL	0.005	cis-1,3-Dichloropropene	BQL	0.005
Bromodichloromethane	BQL	0.005	trans-1,3-Dichloropropene	BQL	0.005
Bromoform	BQL	0.005	Ethylbenzene	BQL	0.005
Bromomethane	BQL	0.010	Hexachlorobutadiene	BQL	0.005
2-Butanone	BQL	0.100	2-Hexanone	BQL	0.050
n-Butylbenzene	BQL	0.005	Isopropylbenzene	BQL	0.005
sec-Butylbenzene	BQL	0.005	p-Isopropyltoluene	BQL	0.005
tert-Butylbenzene	BQL	0.005	4-Methyl-2-pentanone	BQL	0.050
Carbon disulfide	BQL	0.005	Methylene chloride	BQL	0.005
Carbon tetrachloride	BQL	0.005	Naphthalene	BQL	0.005
Chlorobenzene	BQL	0.005	n-Propylbenzene	BQL	0.005
Chloroethane	BQL	0.010	Styrene	BQL	0.005
2-Chloroethylvinyl ether	BQL	0.010	1,1,1,2-Tetrachloroethane	BQL	0.005
Chloroform	BQL	0.005	1,1,2,2-Tetrachloroethane	BQL	0.005
Chloromethane	BQL	0.010	Tetrachloroethene	BQL	0.005
2-Chlorotoluene	BQL	0.005	Toluene	BQL	0.005
4-Chlorotoluene	BQL	0.005	1,2,3-Trichlorobenzene	BQL	0.005
1,2-Dibromo-3-chloropropane	BQL	0.005	1,2,4-Trichlorobenzene	BQL	0.005
Dibromochloromethane	BQL	0.005	1,1,1-Trichloroethane	BQL	0.005
1,2-Dibromoethane	BQL	0.005	1,1,2-Trichloroethane	BQL	0.005
Dibromomethane	BQL	0.005	Trichloroethene	BQL	0.005
1,2-Dichlorobenzene	BQL	0.005	Trichlorofluoromethane	BQL	0.005
1,3-Dichlorobenzene	BQL	0.005	1,2,3-Trichloropropane	BQL	0.005
1,4-Dichlorobenzene	BQL	0.005	1,2,4-Trimethylbenzene	BQL	0.005
Dichlorodifluoromethane	BQL	0.010	1,3,5-Trimethylbenzene	BQL	0.005
1,1-Dichloroethane	BQL	0.005	Vinyl acetate	BQL	0.050
1,2-Dichloroethane	BQL	0.005	Vinyl chloride	BQL	0.010
1,1-Dichloroethene	BQL	0.005	m & p-Xylenes	BQL	0.010
cis-1,2-Dichloroethene	BQL	0.005	o-Xylene	BQL	0.005

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Acid Extractables (3550B/8270C)

Sample ID: GW-1-1

Matrix: Soil
Date Sampled: 10/03/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006
Analyst: RB

ACL Sample #: 248027 **Units:** mg/kg

Analyte	Result	PQL
Benzoic acid	BQL	1.65
4-Chloro-3-methylphenol	BQL	0.66
2-Chlorophenol	BQL	0.33
2,4-Dichlorophenol	BQL	0.33
2,4-Dimethylphenol	BQL	0.33
4,6-Dinitro-2-methylphenol	BQL	1.65
2,4-Dinitrophenol	BQL	1.65
2-Methylphenol	BQL	0.33
4-Methylphenol	BQL	0.33
2-Nitrophenol	BQL	0.33
4-Nitrophenol	BQL	1.65
Pentachlorophenol	BQL	1.65
Phenol	BQL	0.33
2,4,5-Trichlorophenol	BQL	0.33
2,4,6-Trichlorophenol	BQL	0.33

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Base/Neutral Extractables (3550B/8270C)

Sample ID: GW-1-1

Matrix: Soil
Date Sampled: 10/03/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006

ACL Sample #: 248027 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	0.33	Hexachlorobutadiene	BQL	0.33
Acenaphthylene	BQL	0.33	Hexachlorocyclopentadiene	BQL	0.33
Anthracene	BQL	0.33	Hexachloroethane	BQL	0.33
Benzo(a)anthracene	BQL	0.33	Indeno(1,2,3-cd)pyrene	BQL	0.33
Benzo(a)pyrene	BQL	0.33	Isophorone	BQL	0.33
Benzo(b)fluoranthene	BQL	0.33	2-Methylnaphthalene	BQL	0.33
Benzo(g,h,i)perylene	BQL	0.33	Naphthalene	BQL	0.33
Benzo(k)fluoranthene	BQL	0.33	2-Nitroaniline	BQL	1.65
Benzyl alcohol	BQL	0.66	3-Nitroaniline	BQL	1.65
Bis(2-chloroethoxy)methane	BQL	0.33	4-Nitroaniline	BQL	1.65
Bis(2-chloroethyl)ether	BQL	0.33	Nitrobenzene	BQL	0.33
Bis(2-chloroisopropyl)ether	BQL	0.33	N-Nitroso-di-n-propylamine	BQL	0.33
Bis(2-ethylhexyl)phthalate	18.4	3.30	N-Nitrosodiphenylamine	BQL	0.33
4-Bromophenyl phenyl ether	BQL	0.33	Phenanthrene	BQL	0.33
Butyl benzyl phthalate	1.13	0.33	Pyrene	BQL	0.33
4-Chloroaniline	BQL	0.66	1,2,4-Trichlorobenzene	BQL	0.33
2-Chloronaphthalene	BQL	0.33			
4-Chlorophenyl phenyl ether	BQL	0.33			
Chrysene	BQL	0.33			
Di-n-butyl phthalate	BQL	0.33			
Di-n-octyl phthalate	BQL	0.33			
Dibenz(a,h)anthracene	BQL	0.33			
Dibenzofuran	BQL	0.33			
1,2-Dichlorobenzene	BQL	0.33			
1,3-Dichlorobenzene	BQL	0.33			
1,4-Dichlorobenzene	BQL	0.33			
3,3'-Dichlorobenzidine	BQL	0.66			
Diethyl phthalate	BQL	0.33			
Dimethyl phthalate	BQL	0.33			
2,4-Dinitrotoluene	BQL	0.33			
2,6-Dinitrotoluene	BQL	0.33			
Fluoranthene	BQL	0.33			
Fluorene	BQL	0.33			
Hexachlorobenzene	BQL	0.33			

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

PCBs (3550B/8082)

Sample ID: GW-1-1

Matrix: Soil
Date Sampled: 10/03/2006
Date Extracted: 10/12/2006
Date Analyzed: 10/27/2006

ACL Sample #: 248027 **Units:** mg/kg **Analyst:** AM

Analyte	Result	PQL
Arochlor-1016	BQL	0.02
Arochlor-1221	BQL	0.02
Arochlor-1232	BQL	0.02
Arochlor-1242	0.43	0.02
Arochlor-1248	BQL	0.02
Arochlor-1254	1.02	0.02
Arochlor-1260	BQL	0.02

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

TPH - Diesel Range Organics (C10-C28) (3550B/8015B)

Sample ID: GW-1-1

Matrix: Soil
Date Sampled: 10/03/2006
Date Extracted: 10/13/2006
Date Analyzed: 10/25/2006

ACL Sample #: 248027 **Units:** mg/kg **Analyst:** AM

Analyte	Result	PQL
TPH - DRO	BQL	40

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

RCRA Metals (6010B/7471A)

Sample ID: GW-1-1

Matrix: Soil
Date Sampled: 10/03/2006
Date Extracted:
Date Analyzed: 10/17/2006
Analyst: AD/JR

ACL Sample #: 248027 **Units:** mg/kg

Analyte	Result	PQL
Arsenic	BQL	5.00
Barium	566	10.0
Cadmium	2.64	2.50
Chromium	52.1	5.00
Lead	340	5.00
Mercury	BQL	0.50
Selenium	BQL	5.00
Silver	BQL	10.0

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
GW-1-1	248027	Hex Chromium (7196A)	Soil	BQL	5.00	mg/kg	10/24/2006

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Volatile Organics (5035/8260B)

Sample ID: GW-2-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/05/2006
Date Analyzed: 10/13/2006

ACL Sample #: 248028 **Units:** mg/kg **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	0.100	trans-1,2-Dichloroethene	BQL	0.005
Acrolein	BQL	0.050	1,2-Dichloropropane	BQL	0.005
Acrylonitrile	BQL	0.050	1,3-Dichloropropane	BQL	0.005
Benzene	BQL	0.005	2,2-Dichloropropane	BQL	0.005
Bromobenzene	BQL	0.005	1,1-Dichloropropene	BQL	0.005
Bromochloromethane	BQL	0.005	cis-1,3-Dichloropropene	BQL	0.005
Bromodichloromethane	BQL	0.005	trans-1,3-Dichloropropene	BQL	0.005
Bromoform	BQL	0.005	Ethylbenzene	BQL	0.005
Bromomethane	BQL	0.010	Hexachlorobutadiene	BQL	0.005
2-Butanone	BQL	0.100	2-Hexanone	BQL	0.050
n-Butylbenzene	BQL	0.005	Isopropylbenzene	BQL	0.005
sec-Butylbenzene	BQL	0.005	p-Isopropyltoluene	BQL	0.005
tert-Butylbenzene	BQL	0.005	4-Methyl-2-pentanone	BQL	0.050
Carbon disulfide	BQL	0.005	Methylene chloride	BQL	0.005
Carbon tetrachloride	BQL	0.005	Naphthalene	BQL	0.005
Chlorobenzene	BQL	0.005	n-Propylbenzene	BQL	0.005
Chloroethane	BQL	0.010	Styrene	BQL	0.005
2-Chloroethylvinyl ether	BQL	0.010	1,1,1,2-Tetrachloroethane	BQL	0.005
Chloroform	BQL	0.005	1,1,2,2-Tetrachloroethane	BQL	0.005
Chloromethane	BQL	0.010	Tetrachloroethene	BQL	0.005
2-Chlorotoluene	BQL	0.005	Toluene	BQL	0.005
4-Chlorotoluene	BQL	0.005	1,2,3-Trichlorobenzene	BQL	0.005
1,2-Dibromo-3-chloropropane	BQL	0.005	1,2,4-Trichlorobenzene	BQL	0.005
Dibromochloromethane	BQL	0.005	1,1,1-Trichloroethane	BQL	0.005
1,2-Dibromoethane	BQL	0.005	1,1,2-Trichloroethane	BQL	0.005
Dibromomethane	BQL	0.005	Trichloroethene	BQL	0.005
1,2-Dichlorobenzene	BQL	0.005	Trichlorofluoromethane	BQL	0.005
1,3-Dichlorobenzene	BQL	0.005	1,2,3-Trichloropropane	BQL	0.005
1,4-Dichlorobenzene	BQL	0.005	1,2,4-Trimethylbenzene	BQL	0.005
Dichlorodifluoromethane	BQL	0.010	1,3,5-Trimethylbenzene	BQL	0.005
1,1-Dichloroethane	BQL	0.005	Vinyl acetate	BQL	0.050
1,2-Dichloroethane	BQL	0.005	Vinyl chloride	BQL	0.010
1,1-Dichloroethene	BQL	0.005	m & p-Xylenes	BQL	0.010
cis-1,2-Dichloroethene	BQL	0.005	o-Xylene	BQL	0.005

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Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Acid Extractables (3550B/8270C)

Sample ID: GW-2-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006

ACL Sample #: 248028 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	1.65
4-Chloro-3-methylphenol	BQL	0.66
2-Chlorophenol	BQL	0.33
2,4-Dichlorophenol	BQL	0.33
2,4-Dimethylphenol	BQL	0.33
4,6-Dinitro-2-methylphenol	BQL	1.65
2,4-Dinitrophenol	BQL	1.65
2-Methylphenol	BQL	0.33
4-Methylphenol	BQL	0.33
2-Nitrophenol	BQL	0.33
4-Nitrophenol	BQL	1.65
Pentachlorophenol	BQL	1.65
Phenol	BQL	0.33
2,4,5-Trichlorophenol	BQL	0.33
2,4,6-Trichlorophenol	BQL	0.33

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Base/Neutral Extractables (3550B/8270C)

Sample ID: GW-2-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006

ACL Sample #: 248028 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	0.33	Hexachlorobutadiene	BQL	0.33
Acenaphthylene	BQL	0.33	Hexachlorocyclopentadiene	BQL	0.33
Anthracene	BQL	0.33	Hexachloroethane	BQL	0.33
Benzo(a)anthracene	BQL	0.33	Indeno(1,2,3-cd)pyrene	BQL	0.33
Benzo(a)pyrene	BQL	0.33	Isophorone	BQL	0.33
Benzo(b)fluoranthene	BQL	0.33	2-Methylnaphthalene	BQL	0.33
Benzo(g,h,i)perylene	BQL	0.33	Naphthalene	BQL	0.33
Benzo(k)fluoranthene	BQL	0.33	2-Nitroaniline	BQL	1.65
Benzyl alcohol	BQL	0.66	3-Nitroaniline	BQL	1.65
Bis(2-chloroethoxy)methane	BQL	0.33	4-Nitroaniline	BQL	1.65
Bis(2-chloroethyl)ether	BQL	0.33	Nitrobenzene	BQL	0.33
Bis(2-chloroisopropyl)ether	BQL	0.33	N-Nitroso-di-n-propylamine	BQL	0.33
Bis(2-ethylhexyl)phthalate	4.17	0.33	N-Nitrosodiphenylamine	BQL	0.33
4-Bromophenyl phenyl ether	BQL	0.33	Phenanthrene	BQL	0.33
Butyl benzyl phthalate	2.58	0.33	Pyrene	BQL	0.33
4-Chloroaniline	BQL	0.66	1,2,4-Trichlorobenzene	BQL	0.33
2-Chloronaphthalene	BQL	0.33			
4-Chlorophenyl phenyl ether	BQL	0.33			
Chrysene	BQL	0.33			
Di-n-butyl phthalate	BQL	0.33			
Di-n-octyl phthalate	BQL	0.33			
Dibenz(a,h)anthracene	BQL	0.33			
Dibenzofuran	BQL	0.33			
1,2-Dichlorobenzene	BQL	0.33			
1,3-Dichlorobenzene	BQL	0.33			
1,4-Dichlorobenzene	BQL	0.33			
3,3'-Dichlorobenzidine	BQL	0.66			
Diethyl phthalate	BQL	0.33			
Dimethyl phthalate	BQL	0.33			
2,4-Dinitrotoluene	BQL	0.33			
2,6-Dinitrotoluene	BQL	0.33			
Fluoranthene	BQL	0.33			
Fluorene	BQL	0.33			
Hexachlorobenzene	BQL	0.33			

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

PCBs (3550B/8082)

Sample ID: GW-2-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/12/2006
Date Analyzed: 10/27/2006

ACL Sample #: 248028 **Units:** mg/kg **Analyst:** AM

Analyte	Result	PQL
Arochlor-1016	BQL	0.02
Arochlor-1221	BQL	0.02
Arochlor-1232	BQL	0.02
Arochlor-1242	0.50	0.02
Arochlor-1248	BQL	0.02
Arochlor-1254	0.74	0.02
Arochlor-1260	BQL	0.02

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

TPH - Diesel Range Organics (C10-C28) (3550B/8015B)

Sample ID: GW-2-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/13/2006
Date Analyzed: 10/25/2006
Analyst: AM

ACL Sample #: 248028 **Units:** mg/kg

Analyte	Result	PQL
TPH - DRO	BQL	40

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

RCRA Metals (6010B/7471A)

Sample ID: GW-2-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted:
Date Analyzed: 10/17/2006
Analyst: AD/JR

ACL Sample #: 248028 **Units:** mg/kg

Analyte	Result	PQL
Arsenic	7.75	5.00
Barium	385	10.0
Cadmium	4.64	2.50
Chromium	443	5.00
Lead	623	5.00
Mercury	BQL	0.50
Selenium	8.75	5.00
Silver	BQL	10.0

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ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
GW-2-1	248028	Hex Chromium (7196A)	Soil	BQL	5.00	mg/kg	10/24/2006

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Volatile Organics (5035/8260B)

Sample ID: GW-3-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/05/2006
Date Analyzed: 10/13/2006

ACL Sample #: 248029 **Units:** mg/kg **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	0.100	trans-1,2-Dichloroethene	BQL	0.005
Acrolein	BQL	0.050	1,2-Dichloropropane	BQL	0.005
Acrylonitrile	BQL	0.050	1,3-Dichloropropane	BQL	0.005
Benzene	BQL	0.005	2,2-Dichloropropane	BQL	0.005
Bromobenzene	BQL	0.005	1,1-Dichloropropene	BQL	0.005
Bromochloromethane	BQL	0.005	cis-1,3-Dichloropropene	BQL	0.005
Bromodichloromethane	BQL	0.005	trans-1,3-Dichloropropene	BQL	0.005
Bromoform	BQL	0.005	Ethylbenzene	BQL	0.005
Bromomethane	BQL	0.010	Hexachlorobutadiene	BQL	0.005
2-Butanone	BQL	0.100	2-Hexanone	BQL	0.050
n-Butylbenzene	BQL	0.005	Isopropylbenzene	BQL	0.005
sec-Butylbenzene	BQL	0.005	p-Isopropyltoluene	0.012	0.005
tert-Butylbenzene	BQL	0.005	4-Methyl-2-pentanone	BQL	0.050
Carbon disulfide	BQL	0.005	Methylene chloride	BQL	0.005
Carbon tetrachloride	BQL	0.005	Naphthalene	BQL	0.005
Chlorobenzene	BQL	0.005	n-Propylbenzene	BQL	0.005
Chloroethane	BQL	0.010	Styrene	BQL	0.005
2-Chloroethylvinyl ether	BQL	0.010	1,1,1,2-Tetrachloroethane	BQL	0.005
Chloroform	BQL	0.005	1,1,2,2-Tetrachloroethane	BQL	0.005
Chloromethane	BQL	0.010	Tetrachloroethene	BQL	0.005
2-Chlorotoluene	BQL	0.005	Toluene	BQL	0.005
4-Chlorotoluene	BQL	0.005	1,2,3-Trichlorobenzene	BQL	0.005
1,2-Dibromo-3-chloropropane	BQL	0.005	1,2,4-Trichlorobenzene	BQL	0.005
Dibromochloromethane	BQL	0.005	1,1,1-Trichloroethane	BQL	0.005
1,2-Dibromoethane	BQL	0.005	1,1,2-Trichloroethane	BQL	0.005
Dibromomethane	BQL	0.005	Trichloroethene	BQL	0.005
1,2-Dichlorobenzene	BQL	0.005	Trichlorofluoromethane	BQL	0.005
1,3-Dichlorobenzene	BQL	0.005	1,2,3-Trichloropropane	BQL	0.005
1,4-Dichlorobenzene	BQL	0.005	1,2,4-Trimethylbenzene	BQL	0.005
Dichlorodifluoromethane	BQL	0.010	1,3,5-Trimethylbenzene	BQL	0.005
1,1-Dichloroethane	BQL	0.005	Vinyl acetate	BQL	0.050
1,2-Dichloroethane	BQL	0.005	Vinyl chloride	BQL	0.010
1,1-Dichloroethene	BQL	0.005	m & p-Xylenes	BQL	0.010
cis-1,2-Dichloroethene	BQL	0.005	o-Xylene	BQL	0.005

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Acid Extractables (3550B/8270C)

Sample ID: GW-3-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006

ACL Sample #: 248029 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	1.65
4-Chloro-3-methylphenol	BQL	0.66
2-Chlorophenol	BQL	0.33
2,4-Dichlorophenol	BQL	0.33
2,4-Dimethylphenol	BQL	0.33
4,6-Dinitro-2-methylphenol	BQL	1.65
2,4-Dinitrophenol	BQL	1.65
2-Methylphenol	BQL	0.33
4-Methylphenol	BQL	0.33
2-Nitrophenol	BQL	0.33
4-Nitrophenol	BQL	1.65
Pentachlorophenol	BQL	1.65
Phenol	BQL	0.33
2,4,5-Trichlorophenol	BQL	0.33
2,4,6-Trichlorophenol	BQL	0.33

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Base/Neutral Extractables (3550B/8270C)

Sample ID: GW-3-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006

ACL Sample #: 248029 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	0.33	Hexachlorobutadiene	BQL	0.33
Acenaphthylene	BQL	0.33	Hexachlorocyclopentadiene	BQL	0.33
Anthracene	BQL	0.33	Hexachloroethane	BQL	0.33
Benzo(a)anthracene	BQL	0.33	Indeno(1,2,3-cd)pyrene	BQL	0.33
Benzo(a)pyrene	BQL	0.33	Isophorone	BQL	0.33
Benzo(b)fluoranthene	BQL	0.33	2-Methylnaphthalene	BQL	0.33
Benzo(g,h,i)perylene	BQL	0.33	Naphthalene	BQL	0.33
Benzo(k)fluoranthene	BQL	0.33	2-Nitroaniline	BQL	1.65
Benzyl alcohol	BQL	0.66	3-Nitroaniline	BQL	1.65
Bis(2-chloroethoxy)methane	BQL	0.33	4-Nitroaniline	BQL	1.65
Bis(2-chloroethyl)ether	BQL	0.33	Nitrobenzene	BQL	0.33
Bis(2-chloroisopropyl)ether	BQL	0.33	N-Nitroso-di-n-propylamine	BQL	0.33
Bis(2-ethylhexyl)phthalate	BQL	0.33	N-Nitrosodiphenylamine	BQL	0.33
4-Bromophenyl phenyl ether	BQL	0.33	Phenanthrene	BQL	0.33
Butyl benzyl phthalate	BQL	0.33	Pyrene	BQL	0.33
4-Chloroaniline	BQL	0.66	1,2,4-Trichlorobenzene	BQL	0.33
2-Chloronaphthalene	BQL	0.33			
4-Chlorophenyl phenyl ether	BQL	0.33			
Chrysene	BQL	0.33			
Di-n-butyl phthalate	BQL	0.33			
Di-n-octyl phthalate	BQL	0.33			
Dibenz(a,h)anthracene	BQL	0.33			
Dibenzofuran	BQL	0.33			
1,2-Dichlorobenzene	BQL	0.33			
1,3-Dichlorobenzene	BQL	0.33			
1,4-Dichlorobenzene	BQL	0.33			
3,3'-Dichlorobenzidine	BQL	0.66			
Diethyl phthalate	BQL	0.33			
Dimethyl phthalate	BQL	0.33			
2,4-Dinitrotoluene	BQL	0.33			
2,6-Dinitrotoluene	BQL	0.33			
Fluoranthene	BQL	0.33			
Fluorene	BQL	0.33			
Hexachlorobenzene	BQL	0.33			

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

PCBs (3550B/8082)

Sample ID: GW-3-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/12/2006
Date Analyzed: 10/13/2006

ACL Sample #: 248029 **Units:** mg/kg **Analyst:** AM

Analyte	Result	PQL
Arochlor-1016	BQL	0.02
Arochlor-1221	BQL	0.02
Arochlor-1232	BQL	0.02
Arochlor-1242	BQL	0.02
Arochlor-1248	BQL	0.02
Arochlor-1254	BQL	0.02
Arochlor-1260	BQL	0.02

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Contact: Mr. Randy Meadows

TPH - Diesel Range Organics (C10-C28) (3550B/8015B)

Sample ID: GW-3-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/13/2006
Date Analyzed: 10/13/2006

ACL Sample #: 248029 **Units:** mg/kg

Analyst: AM

Analyte	Result	PQL
TPH - DRO	BQL	10

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Client Proj #: 103
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Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

RCRA Metals (6010B/7471A)

Sample ID: GW-3-1

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted:
Date Analyzed: 10/17/2006
Analyst: AD/JR

ACL Sample #: 248029 **Units:** mg/kg

Analyte	Result	PQL
Arsenic	BQL	5.00
Barium	150	10.0
Cadmium	BQL	2.50
Chromium	27.3	5.00
Lead	30.6	5.00
Mercury	BQL	0.50
Selenium	8.28	5.00
Silver	BQL	10.0

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Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
GW-3-1	248029	Hex Chromium (7196A)	Soil	BQL	5.00	mg/kg	10/24/2006

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Volatile Organics (5035/8260B)

Sample ID: GW-3-2

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/05/2006
Date Analyzed: 10/13/2006

ACL Sample #: 248030 **Units:** mg/kg **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	0.100	trans-1,2-Dichloroethene	BQL	0.005
Acrolein	BQL	0.050	1,2-Dichloropropane	BQL	0.005
Acrylonitrile	BQL	0.050	1,3-Dichloropropane	BQL	0.005
Benzene	BQL	0.005	2,2-Dichloropropane	BQL	0.005
Bromobenzene	BQL	0.005	1,1-Dichloropropene	BQL	0.005
Bromochloromethane	BQL	0.005	cis-1,3-Dichloropropene	BQL	0.005
Bromodichloromethane	BQL	0.005	trans-1,3-Dichloropropene	BQL	0.005
Bromoform	BQL	0.005	Ethylbenzene	BQL	0.005
Bromomethane	BQL	0.010	Hexachlorobutadiene	BQL	0.005
2-Butanone	BQL	0.100	2-Hexanone	BQL	0.050
n-Butylbenzene	BQL	0.005	Isopropylbenzene	BQL	0.005
sec-Butylbenzene	BQL	0.005	p-Isopropyltoluene	BQL	0.005
tert-Butylbenzene	BQL	0.005	4-Methyl-2-pentanone	BQL	0.050
Carbon disulfide	BQL	0.005	Methylene chloride	BQL	0.005
Carbon tetrachloride	BQL	0.005	Naphthalene	BQL	0.005
Chlorobenzene	BQL	0.005	n-Propylbenzene	BQL	0.005
Chloroethane	BQL	0.010	Styrene	BQL	0.005
2-Chloroethylvinyl ether	BQL	0.010	1,1,1,2-Tetrachloroethane	BQL	0.005
Chloroform	BQL	0.005	1,1,2,2-Tetrachloroethane	BQL	0.005
Chloromethane	BQL	0.010	Tetrachloroethene	BQL	0.005
2-Chlorotoluene	BQL	0.005	Toluene	BQL	0.005
4-Chlorotoluene	BQL	0.005	1,2,3-Trichlorobenzene	BQL	0.005
1,2-Dibromo-3-chloropropane	BQL	0.005	1,2,4-Trichlorobenzene	BQL	0.005
Dibromochloromethane	BQL	0.005	1,1,1-Trichloroethane	BQL	0.005
1,2-Dibromoethane	BQL	0.005	1,1,2-Trichloroethane	BQL	0.005
Dibromomethane	BQL	0.005	Trichloroethene	BQL	0.005
1,2-Dichlorobenzene	BQL	0.005	Trichlorofluoromethane	BQL	0.005
1,3-Dichlorobenzene	BQL	0.005	1,2,3-Trichloropropane	BQL	0.005
1,4-Dichlorobenzene	BQL	0.005	1,2,4-Trimethylbenzene	BQL	0.005
Dichlorodifluoromethane	BQL	0.010	1,3,5-Trimethylbenzene	BQL	0.005
1,1-Dichloroethane	BQL	0.005	Vinyl acetate	BQL	0.050
1,2-Dichloroethane	BQL	0.005	Vinyl chloride	BQL	0.010
1,1-Dichloroethene	BQL	0.005	m & p-Xylenes	BQL	0.010
cis-1,2-Dichloroethene	BQL	0.005	o-Xylene	BQL	0.005

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Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Acid Extractables (3550B/8270C)

Sample ID: GW-3-2

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006

ACL Sample #: 248030 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	1.65
4-Chloro-3-methylphenol	BQL	0.66
2-Chlorophenol	BQL	0.33
2,4-Dichlorophenol	BQL	0.33
2,4-Dimethylphenol	BQL	0.33
4,6-Dinitro-2-methylphenol	BQL	1.65
2,4-Dinitrophenol	BQL	1.65
2-Methylphenol	BQL	0.33
4-Methylphenol	BQL	0.33
2-Nitrophenol	BQL	0.33
4-Nitrophenol	BQL	1.65
Pentachlorophenol	BQL	1.65
Phenol	BQL	0.33
2,4,5-Trichlorophenol	BQL	0.33
2,4,6-Trichlorophenol	BQL	0.33

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Base/Neutral Extractables (3550B/8270C)

Sample ID: GW-3-2

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006

ACL Sample #: 248030 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	0.33	Hexachlorobutadiene	BQL	0.33
Acenaphthylene	BQL	0.33	Hexachlorocyclopentadiene	BQL	0.33
Anthracene	BQL	0.33	Hexachloroethane	BQL	0.33
Benzo(a)anthracene	BQL	0.33	Indeno(1,2,3-cd)pyrene	BQL	0.33
Benzo(a)pyrene	BQL	0.33	Isophorone	BQL	0.33
Benzo(b)fluoranthene	BQL	0.33	2-Methylnaphthalene	BQL	0.33
Benzo(g,h,i)perylene	BQL	0.33	Naphthalene	BQL	0.33
Benzo(k)fluoranthene	BQL	0.33	2-Nitroaniline	BQL	1.65
Benzyl alcohol	BQL	0.66	3-Nitroaniline	BQL	1.65
Bis(2-chloroethoxy)methane	BQL	0.33	4-Nitroaniline	BQL	1.65
Bis(2-chloroethyl)ether	BQL	0.33	Nitrobenzene	BQL	0.33
Bis(2-chloroisopropyl)ether	BQL	0.33	N-Nitroso-di-n-propylamine	BQL	0.33
Bis(2-ethylhexyl)phthalate	BQL	0.33	N-Nitrosodiphenylamine	BQL	0.33
4-Bromophenyl phenyl ether	BQL	0.33	Phenanthrene	BQL	0.33
Butyl benzyl phthalate	BQL	0.33	Pyrene	BQL	0.33
4-Chloroaniline	BQL	0.66	1,2,4-Trichlorobenzene	BQL	0.33
2-Chloronaphthalene	BQL	0.33			
4-Chlorophenyl phenyl ether	BQL	0.33			
Chrysene	BQL	0.33			
Di-n-butyl phthalate	BQL	0.33			
Di-n-octyl phthalate	BQL	0.33			
Dibenz(a,h)anthracene	BQL	0.33			
Dibenzofuran	BQL	0.33			
1,2-Dichlorobenzene	BQL	0.33			
1,3-Dichlorobenzene	BQL	0.33			
1,4-Dichlorobenzene	BQL	0.33			
3,3'-Dichlorobenzidine	BQL	0.66			
Diethyl phthalate	BQL	0.33			
Dimethyl phthalate	BQL	0.33			
2,4-Dinitrotoluene	BQL	0.33			
2,6-Dinitrotoluene	BQL	0.33			
Fluoranthene	BQL	0.33			
Fluorene	BQL	0.33			
Hexachlorobenzene	BQL	0.33			

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

PCBs (3550B/8082)

Sample ID: GW-3-2

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/12/2006
Date Analyzed: 10/13/2006

ACL Sample #: 248030 **Units:** mg/kg **Analyst:** AM

Analyte	Result	PQL
Arochlor-1016	BQL	0.02
Arochlor-1221	BQL	0.02
Arochlor-1232	BQL	0.02
Arochlor-1242	BQL	0.02
Arochlor-1248	BQL	0.02
Arochlor-1254	BQL	0.02
Arochlor-1260	BQL	0.02

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

TPH - Diesel Range Organics (C10-C28) (3550B/8015B)

Sample ID: GW-3-2

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted: 10/13/2006
Date Analyzed: 10/13/2006
Analyst: AM

ACL Sample #: 248030 **Units:** mg/kg

Analyte	Result	PQL
TPH - DRO	BQL	10

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

RCRA Metals (6010B/7471A)

Sample ID: GW-3-2

Matrix: Soil
Date Sampled: 10/05/2006
Date Extracted:
Date Analyzed: 10/17/2006
Analyst: AD/JR

ACL Sample #: 248030 **Units:** mg/kg

Analyte	Result	PQL
Arsenic	BQL	5.00
Barium	108	10.0
Cadmium	BQL	2.50
Chromium	6.29	5.00
Lead	21.0	5.00
Mercury	BQL	0.50
Selenium	8.66	5.00
Silver	BQL	10.0

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Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
GW-3-2	248030	Hex Chromium (7196A)	Soil	BQL	5.00	mg/kg	10/24/2006

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Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Volatile Organics (5035/8260B)

Sample ID: GW-4-1

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted: 10/06/2006
Date Analyzed: 10/13/2006

ACL Sample #: 248031 **Units:** mg/kg **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	0.100	trans-1,2-Dichloroethene	BQL	0.005
Acrolein	BQL	0.050	1,2-Dichloropropane	BQL	0.005
Acrylonitrile	BQL	0.050	1,3-Dichloropropane	BQL	0.005
Benzene	BQL	0.005	2,2-Dichloropropane	BQL	0.005
Bromobenzene	BQL	0.005	1,1-Dichloropropene	BQL	0.005
Bromochloromethane	BQL	0.005	cis-1,3-Dichloropropene	BQL	0.005
Bromodichloromethane	BQL	0.005	trans-1,3-Dichloropropene	BQL	0.005
Bromoform	BQL	0.005	Ethylbenzene	BQL	0.005
Bromomethane	BQL	0.010	Hexachlorobutadiene	BQL	0.005
2-Butanone	BQL	0.100	2-Hexanone	BQL	0.050
n-Butylbenzene	BQL	0.005	Isopropylbenzene	BQL	0.005
sec-Butylbenzene	BQL	0.005	p-Isopropyltoluene	0.033	0.005
tert-Butylbenzene	BQL	0.005	4-Methyl-2-pentanone	BQL	0.050
Carbon disulfide	BQL	0.005	Methylene chloride	BQL	0.005
Carbon tetrachloride	BQL	0.005	Naphthalene	BQL	0.005
Chlorobenzene	BQL	0.005	n-Propylbenzene	BQL	0.005
Chloroethane	BQL	0.010	Styrene	BQL	0.005
2-Chloroethylvinyl ether	BQL	0.010	1,1,1,2-Tetrachloroethane	BQL	0.005
Chloroform	BQL	0.005	1,1,2,2-Tetrachloroethane	BQL	0.005
Chloromethane	BQL	0.010	Tetrachloroethene	BQL	0.005
2-Chlorotoluene	BQL	0.005	Toluene	BQL	0.005
4-Chlorotoluene	BQL	0.005	1,2,3-Trichlorobenzene	BQL	0.005
1,2-Dibromo-3-chloropropane	BQL	0.005	1,2,4-Trichlorobenzene	BQL	0.005
Dibromochloromethane	BQL	0.005	1,1,1-Trichloroethane	BQL	0.005
1,2-Dibromoethane	BQL	0.005	1,1,2-Trichloroethane	BQL	0.005
Dibromomethane	BQL	0.005	Trichloroethene	BQL	0.005
1,2-Dichlorobenzene	BQL	0.005	Trichlorofluoromethane	BQL	0.005
1,3-Dichlorobenzene	BQL	0.005	1,2,3-Trichloropropane	BQL	0.005
1,4-Dichlorobenzene	BQL	0.005	1,2,4-Trimethylbenzene	BQL	0.005
Dichlorodifluoromethane	BQL	0.010	1,3,5-Trimethylbenzene	BQL	0.005
1,1-Dichloroethane	BQL	0.005	Vinyl acetate	BQL	0.050
1,2-Dichloroethane	BQL	0.005	Vinyl chloride	BQL	0.010
1,1-Dichloroethene	BQL	0.005	m & p-Xylenes	BQL	0.010
cis-1,2-Dichloroethene	BQL	0.005	o-Xylene	BQL	0.005

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Acid Extractables (3550B/8270C)

Sample ID: GW-4-1

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006

ACL Sample #: 248031 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	1.65
4-Chloro-3-methylphenol	BQL	0.66
2-Chlorophenol	BQL	0.33
2,4-Dichlorophenol	BQL	0.33
2,4-Dimethylphenol	BQL	0.33
4,6-Dinitro-2-methylphenol	BQL	1.65
2,4-Dinitrophenol	BQL	1.65
2-Methylphenol	BQL	0.33
4-Methylphenol	BQL	0.33
2-Nitrophenol	BQL	0.33
4-Nitrophenol	BQL	1.65
Pentachlorophenol	BQL	1.65
Phenol	BQL	0.33
2,4,5-Trichlorophenol	BQL	0.33
2,4,6-Trichlorophenol	BQL	0.33

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Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Base/Neutral Extractables (3550B/8270C)

Sample ID: GW-4-1

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006

ACL Sample #: 248031 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	0.33	Hexachlorobutadiene	BQL	0.33
Acenaphthylene	BQL	0.33	Hexachlorocyclopentadiene	BQL	0.33
Anthracene	BQL	0.33	Hexachloroethane	BQL	0.33
Benzo(a)anthracene	BQL	0.33	Indeno(1,2,3-cd)pyrene	BQL	0.33
Benzo(a)pyrene	BQL	0.33	Isophorone	BQL	0.33
Benzo(b)fluoranthene	BQL	0.33	2-Methylnaphthalene	BQL	0.33
Benzo(g,h,i)perylene	BQL	0.33	Naphthalene	BQL	0.33
Benzo(k)fluoranthene	BQL	0.33	2-Nitroaniline	BQL	1.65
Benzyl alcohol	BQL	0.66	3-Nitroaniline	BQL	1.65
Bis(2-chloroethoxy)methane	BQL	0.33	4-Nitroaniline	BQL	1.65
Bis(2-chloroethyl)ether	BQL	0.33	Nitrobenzene	BQL	0.33
Bis(2-chloroisopropyl)ether	BQL	0.33	N-Nitroso-di-n-propylamine	BQL	0.33
Bis(2-ethylhexyl)phthalate	BQL	0.33	N-Nitrosodiphenylamine	BQL	0.33
4-Bromophenyl phenyl ether	BQL	0.33	Phenanthrene	BQL	0.33
Butyl benzyl phthalate	BQL	0.33	Pyrene	BQL	0.33
4-Chloroaniline	BQL	0.66	1,2,4-Trichlorobenzene	BQL	0.33
2-Chloronaphthalene	BQL	0.33			
4-Chlorophenyl phenyl ether	BQL	0.33			
Chrysene	BQL	0.33			
Di-n-butyl phthalate	BQL	0.33			
Di-n-octyl phthalate	BQL	0.33			
Dibenz(a,h)anthracene	BQL	0.33			
Dibenzofuran	BQL	0.33			
1,2-Dichlorobenzene	BQL	0.33			
1,3-Dichlorobenzene	BQL	0.33			
1,4-Dichlorobenzene	BQL	0.33			
3,3'-Dichlorobenzidine	BQL	0.66			
Diethyl phthalate	BQL	0.33			
Dimethyl phthalate	BQL	0.33			
2,4-Dinitrotoluene	BQL	0.33			
2,6-Dinitrotoluene	BQL	0.33			
Fluoranthene	BQL	0.33			
Fluorene	BQL	0.33			
Hexachlorobenzene	BQL	0.33			

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P.O. Box 88610 • Atlanta, GA 30356
www.advancedchemistrylabs.com

Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

PCBs (3550B/8082)

Sample ID: GW-4-1

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted: 10/12/2006
Date Analyzed: 10/13/2006
Analyst: AM

ACL Sample #: 248031 **Units:** mg/kg

Analyte	Result	PQL
Arochlor-1016	BQL	0.02
Arochlor-1221	BQL	0.02
Arochlor-1232	BQL	0.02
Arochlor-1242	BQL	0.02
Arochlor-1248	BQL	0.02
Arochlor-1254	BQL	0.02
Arochlor-1260	BQL	0.02

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Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

TPH - Diesel Range Organics (C10-C28) (3550B/8015B)

Sample ID: GW-4-1

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted: 10/13/2006
Date Analyzed: 10/13/2006
Analyst: AM

ACL Sample #: 248031 **Units:** mg/kg

Analyte	Result	PQL
TPH - DRO	BQL	10

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4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

RCRA Metals (6010B/7471A)

Sample ID: GW-4-1

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted:
Date Analyzed: 10/17/2006
Analyst: AD/JR

ACL Sample #: 248031 **Units:** mg/kg

Analyte	Result	PQL
Arsenic	BQL	5.00
Barium	109	10.0
Cadmium	BQL	2.50
Chromium	6.54	5.00
Lead	25.4	5.00
Mercury	BQL	0.50
Selenium	BQL	5.00
Silver	BQL	10.0

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
GW-4-1	248031	Hex Chromium (7196A)	Soil	BQL	5.00	mg/kg	10/24/2006

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Volatile Organics (5035/8260B)

Sample ID: GW-4-3

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted: 10/06/2006
Date Analyzed: 10/13/2006

ACL Sample #: 248032 **Units:** mg/kg **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	0.100	trans-1,2-Dichloroethene	BQL	0.005
Acrolein	BQL	0.050	1,2-Dichloropropane	BQL	0.005
Acrylonitrile	BQL	0.050	1,3-Dichloropropane	BQL	0.005
Benzene	BQL	0.005	2,2-Dichloropropane	BQL	0.005
Bromobenzene	BQL	0.005	1,1-Dichloropropene	BQL	0.005
Bromochloromethane	BQL	0.005	cis-1,3-Dichloropropene	BQL	0.005
Bromodichloromethane	BQL	0.005	trans-1,3-Dichloropropene	BQL	0.005
Bromoform	BQL	0.005	Ethylbenzene	BQL	0.005
Bromomethane	BQL	0.010	Hexachlorobutadiene	BQL	0.005
2-Butanone	BQL	0.100	2-Hexanone	BQL	0.050
n-Butylbenzene	BQL	0.005	Isopropylbenzene	BQL	0.005
sec-Butylbenzene	BQL	0.005	p-Isopropyltoluene	BQL	0.005
tert-Butylbenzene	BQL	0.005	4-Methyl-2-pentanone	BQL	0.050
Carbon disulfide	BQL	0.005	Methylene chloride	BQL	0.005
Carbon tetrachloride	BQL	0.005	Naphthalene	BQL	0.005
Chlorobenzene	BQL	0.005	n-Propylbenzene	BQL	0.005
Chloroethane	BQL	0.010	Styrene	BQL	0.005
2-Chloroethylvinyl ether	BQL	0.010	1,1,1,2-Tetrachloroethane	BQL	0.005
Chloroform	BQL	0.005	1,1,2,2-Tetrachloroethane	BQL	0.005
Chloromethane	BQL	0.010	Tetrachloroethene	BQL	0.005
2-Chlorotoluene	BQL	0.005	Toluene	BQL	0.005
4-Chlorotoluene	BQL	0.005	1,2,3-Trichlorobenzene	BQL	0.005
1,2-Dibromo-3-chloropropane	BQL	0.005	1,2,4-Trichlorobenzene	BQL	0.005
Dibromochloromethane	BQL	0.005	1,1,1-Trichloroethane	BQL	0.005
1,2-Dibromoethane	BQL	0.005	1,1,2-Trichloroethane	BQL	0.005
Dibromomethane	BQL	0.005	Trichloroethene	BQL	0.005
1,2-Dichlorobenzene	BQL	0.005	Trichlorofluoromethane	BQL	0.005
1,3-Dichlorobenzene	BQL	0.005	1,2,3-Trichloropropane	BQL	0.005
1,4-Dichlorobenzene	BQL	0.005	1,2,4-Trimethylbenzene	BQL	0.005
Dichlorodifluoromethane	BQL	0.010	1,3,5-Trimethylbenzene	BQL	0.005
1,1-Dichloroethane	BQL	0.005	Vinyl acetate	BQL	0.050
1,2-Dichloroethane	BQL	0.005	Vinyl chloride	BQL	0.010
1,1-Dichloroethene	BQL	0.005	m & p-Xylenes	BQL	0.010
cis-1,2-Dichloroethene	BQL	0.005	o-Xylene	BQL	0.005

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Acid Extractables (3550B/8270C)

Sample ID: GW-4-3

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006

ACL Sample #: 248032 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL
Benzoic acid	BQL	1.65
4-Chloro-3-methylphenol	BQL	0.66
2-Chlorophenol	BQL	0.33
2,4-Dichlorophenol	BQL	0.33
2,4-Dimethylphenol	BQL	0.33
4,6-Dinitro-2-methylphenol	BQL	1.65
2,4-Dinitrophenol	BQL	1.65
2-Methylphenol	BQL	0.33
4-Methylphenol	BQL	0.33
2-Nitrophenol	BQL	0.33
4-Nitrophenol	BQL	1.65
Pentachlorophenol	BQL	1.65
Phenol	BQL	0.33
2,4,5-Trichlorophenol	BQL	0.33
2,4,6-Trichlorophenol	BQL	0.33

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Base/Neutral Extractables (3550B/8270C)

Sample ID: GW-4-3

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted: 10/11/2006
Date Analyzed: 10/19/2006

ACL Sample #: 248032 **Units:** mg/kg **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	0.33	Hexachlorobutadiene	BQL	0.33
Acenaphthylene	BQL	0.33	Hexachlorocyclopentadiene	BQL	0.33
Anthracene	BQL	0.33	Hexachloroethane	BQL	0.33
Benzo(a)anthracene	BQL	0.33	Indeno(1,2,3-cd)pyrene	BQL	0.33
Benzo(a)pyrene	BQL	0.33	Isophorone	BQL	0.33
Benzo(b)fluoranthene	BQL	0.33	2-Methylnaphthalene	BQL	0.33
Benzo(g,h,i)perylene	BQL	0.33	Naphthalene	BQL	0.33
Benzo(k)fluoranthene	BQL	0.33	2-Nitroaniline	BQL	1.65
Benzyl alcohol	BQL	0.66	3-Nitroaniline	BQL	1.65
Bis(2-chloroethoxy)methane	BQL	0.33	4-Nitroaniline	BQL	1.65
Bis(2-chloroethyl)ether	BQL	0.33	Nitrobenzene	BQL	0.33
Bis(2-chloroisopropyl)ether	BQL	0.33	N-Nitroso-di-n-propylamine	BQL	0.33
Bis(2-ethylhexyl)phthalate	BQL	0.33	N-Nitrosodiphenylamine	BQL	0.33
4-Bromophenyl phenyl ether	BQL	0.33	Phenanthrene	BQL	0.33
Butyl benzyl phthalate	BQL	0.33	Pyrene	BQL	0.33
4-Chloroaniline	BQL	0.66	1,2,4-Trichlorobenzene	BQL	0.33
2-Chloronaphthalene	BQL	0.33			
4-Chlorophenyl phenyl ether	BQL	0.33			
Chrysene	BQL	0.33			
Di-n-butyl phthalate	BQL	0.33			
Di-n-octyl phthalate	BQL	0.33			
Dibenz(a,h)anthracene	BQL	0.33			
Dibenzofuran	BQL	0.33			
1,2-Dichlorobenzene	BQL	0.33			
1,3-Dichlorobenzene	BQL	0.33			
1,4-Dichlorobenzene	BQL	0.33			
3,3'-Dichlorobenzidine	BQL	0.66			
Diethyl phthalate	BQL	0.33			
Dimethyl phthalate	BQL	0.33			
2,4-Dinitrotoluene	BQL	0.33			
2,6-Dinitrotoluene	BQL	0.33			
Fluoranthene	BQL	0.33			
Fluorene	BQL	0.33			
Hexachlorobenzene	BQL	0.33			

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

PCBs (3550B/8082)

Sample ID: GW-4-3

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted: 10/12/2006
Date Analyzed: 10/13/2006
Analyst: AM

ACL Sample #: 248032 **Units:** mg/kg

Analyte	Result	PQL
Arochlor-1016	BQL	0.02
Arochlor-1221	BQL	0.02
Arochlor-1232	BQL	0.02
Arochlor-1242	BQL	0.02
Arochlor-1248	BQL	0.02
Arochlor-1254	BQL	0.02
Arochlor-1260	BQL	0.02

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

TPH - Diesel Range Organics (C10-C28) (3550B/8015B)

Sample ID: GW-4-3

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted: 10/13/2006
Date Analyzed: 10/14/2006
Analyst: AM

ACL Sample #: 248032 **Units:** mg/kg

Analyte	Result	PQL
TPH - DRO	BQL	10

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

RCRA Metals (6010B/7471A)

Sample ID: GW-4-3

Matrix: Soil
Date Sampled: 10/06/2006
Date Extracted:
Date Analyzed: 10/17/2006
Analyst: AD/JR

ACL Sample #: 248032 **Units:** mg/kg

Analyte	Result	PQL
Arsenic	BQL	5.00
Barium	110	10.0
Cadmium	BQL	2.50
Chromium	BQL	5.00
Lead	8.25	5.00
Mercury	BQL	0.50
Selenium	BQL	5.00
Silver	BQL	10.0

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Client: LandMark Resources,LLC
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Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 51724
Date Received: 10/09/2006
Date Reported: 11/24/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
GW-4-3	248032	Hex Chromium (7196A)	Soil	BQL	5.00	mg/kg	10/24/2006

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: LandMark Resources, LLC
Phone #: 404 376 3321
Fax #: NA

Company Address: 4852 Creekland Trace Marietta, GA 30062
Site Location: NA

Project Manager: Randy Meadows, PG; Barey Simpson, PG
Client Project: (#) 103
(Name) NA

I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): Randy Meadows, PG; Barey Simpson, PG

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	TPH-PRO (8015B), PCB, Metals	Hex-Cr, BNA	V.O. (5035/8260B)	V.O. (5035/8260)	V.O. (5035/8260B)	Remarks
GW-1-1	1		✓								✓	✓		10/3/16	1150		1				
GW-1-1	1		✓								✓	✓		10/3/16	1150			1			
GW-1-1	3		✓								✓		✓	10/3/16	1150				2	1	
GW-2-1	1		✓								✓			10/5/16	1400		1				
GW-2-1	1		✓								✓			10/5/16	1400			1			
GW-2-1	3		✓								✓		✓	10/5/16	1400				2	1	
GW-3-1	1		✓								✓			10/5/16	1515		1				
GW-3-1	1		✓								✓			10/5/16	1515			1			
GW-3-1	3		✓								✓		✓	10/5/16	1515				2	1	

Special Detection Limits

Remarks: Please email - Excel Format File to: RMEADOWS@bellsouth.net

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal ☑
Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☐

Lab Use Only: ACL Project #: 51724

Cooler Temp: 3.6 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ ____

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler: RMeadows	10/9/06	1120	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	10/9/06	11:20	Received by Laboratory: L. Bartholomew; Waybill #

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: Landmark Resources, LLC
Phone #: 404 376 3321
Fax #: NA

Company Address: 4852 Creekland Trace Marietta, GA 30062
Site Location: NA

Project Manager: Randy Meadows, PG; Garey Simpson, PG
Client Project: (#) 103
(Name)

I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): Randy Meadows, PG; Garey Simpson, PG

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	TPH-DRO, PCB, Metals	Hex Cr., BNA	V.O. (5035/8260B)	V.O. (5035/8260)	V.O. (5035/8260B)	Remarks
GW-1-1	1		✓								✓	✓		10/3/06	1150		1	1		RLM	
GW-1-1	3		✓								✓		✓	10/3/06	1150				2	1	RLM
GW-2-1																				RLM	
GW-3-2	1		✓								✓	✓		10/5/06	1530		1				
GW-3-2	1		✓								✓	✓		10/5/06	1530			1			
GW-3-2	3		✓								✓		✓	10/5/06	1530				2	1	
GW-4-1	1		✓								✓	✓		10/6/06	1115		1				
GW-4-1	1		✓								✓	✓		10/6/06	1115			1			
GW-4-1	3		✓								✓		✓	10/6/06	1115				2	1	

Special Detection Limits

Remarks: Please email - Excel Format File to: RMEADOWS@bellsouth.net

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal ☑
Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements
Fax ☐

Lab Use Only
ACL Project #: 51724

Cooler Temp: 3.6 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ ____

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler: R P Meadows	10/9/06	1120	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	10/9/06	11:20	Received by Laboratory: L. Bartholomew Waybill #

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: Landmark Resources, LLC

Phone #: 404/ 376 3321

Fax #: NA

Company Address: 4852 Creekland Trace Marietta, GA 30062

Site Location: NA

Project Manager: Randy Meadows, PG; Garey Simpson, PG

Client Project: (#) 103

(Name) NA

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): Randy Meadows, PG; Garey Simpson, PG

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date	Time	TPH-DRO (8015B), PCB,	Metals, Hex-Cr, BNA	V.O. (5035/8260B)	V.O. (5035/8260)	V.O. (5035/8260B)	Remarks
GW-4-3	1		✓								✓	✓		10/6/06	1140		1				
GW-4-3	1		✓								✓	✓		10/6/06	1140			1			
GW-4-3	3		✓								✓		✓	10/6/06	1140				2	1	

Special Detection Limits

Remarks: Please email: Excel Format File to: RMEADOWS@bellsouth.net

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal ☑

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements

Fax ☐

Lab Use Only: ACL Project #: 51724

Cooler Temp. 3.6 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ ____

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:	10/9/06	1120	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 10/9/06	Time 11:20	Received by Laboratory: Waybill # E. Bartholomew

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Laboratory Report

ACL Project #: **51863**

Client Proj #: #103

Prepared For:

LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Attention: Mr. Randy Meadows

Report Date: 11/16/2006

This report contains 24 pages.
(including this cover page and chain of custody)

John Andros
Technical Director

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

ACL certifies that the following analytical results meet all the requirements of NELAC.

ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Case Narrative

ACL Project # 51863

No problems were encountered during the analysis of the samples in this report except for the following:

The analyses for E. Coli, Fecal Coliform, and Fecal Streptococcus were subcontracted to the following laboratory:

Analytical Services, Inc. - NELAC (E87315)
110 Technology Parkway
Norcross, GA 30092
(770) 734-4200 Phone
(770) 734-4201 Fax

Ms. Elizabeth Bryant
Project Manager

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value: (i) sample received or analyzed beyond the accepted holding time; (ii) sample received at improper temperature; (iii) the continuing calibration for an analyte did not meet qc criteria;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

Upon client request, a statement of the test result estimated uncertainty can be provided.

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

V.O. (5030B/8260B) - Appendix II

Sample ID: SW-3

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted:
Date Analyzed: 11/01/2006

ACL Sample #: 248575 **Units:** µg/L **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	100	Ethyl methacrylate	BQL	10
Acetonitrile	BQL	100	Ethylbenzene	BQL	5
Acrolein	BQL	100	2-Hexanone	BQL	50
Acrylonitrile	BQL	50	Isobutyl alcohol	BQL	50
Allyl chloride	BQL	10	Methacrylonitrile	BQL	100
Benzene	BQL	5	Methyl bromide	BQL	10
Bromochloromethane	BQL	5	Methyl chloride	BQL	10
Bromodichloromethane	BQL	5	Methyl ethyl ketone	BQL	100
Bromoform	BQL	5	Methyl iodide	BQL	5
Carbon disulfide	BQL	5	Methyl methacrylate	BQL	30
Carbon tetrachloride	BQL	5	4-Methyl-2-pentanone	BQL	50
Chlorobenzene	BQL	5	Methylene bromide	BQL	5
Chloroethane	BQL	10	Methylene chloride	BQL	5
Chloroform	BQL	5	Naphthalene	BQL	5
Chloroprene	BQL	20	Propionitrile	BQL	150
1,2-Dibromo-3-chloropropane	BQL	20	Styrene	BQL	5
Dibromochloromethane	BQL	5	1,1,1,2-Tetrachloroethane	BQL	5
1,2-Dibromoethane	BQL	5	1,1,2,2-Tetrachloroethane	BQL	5
trans-1,4-Dichloro-2-butene	BQL	10	Tetrachloroethene	BQL	5
1,2-Dichlorobenzene	BQL	5	Toluene	BQL	5
1,3-Dichlorobenzene	BQL	5	1,1,1-Trichloroethane	BQL	5
1,4-Dichlorobenzene	BQL	5	1,1,2-Trichloroethane	BQL	5
Dichlorodifluoromethane	BQL	5	Trichloroethene	BQL	5
1,1-Dichloroethane	BQL	5	Trichlorofluoromethane	BQL	5
1,2-Dichloroethane	BQL	5	1,2,3-Trichloropropane	BQL	5
1,1-Dichloroethene	BQL	5	Vinyl acetate	BQL	50
cis-1,2-Dichloroethene	BQL	5	Vinyl chloride	BQL	2
trans-1,2-Dichloroethene	BQL	5	m & p-Xylenes	BQL	10
1,2-Dichloropropane	BQL	5	o-Xylene	BQL	5
1,3-Dichloropropane	BQL	5			
2,2-Dichloropropane	BQL	15			
1,1-Dichloropropene	BQL	5			
cis-1,3-Dichloropropene	BQL	5			
trans-1,3-Dichloropropene	BQL	5			

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Marietta, GA 30062-6380

Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Acid Extractables (8270C) - Appendix II

Sample ID: SW-3

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248575 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
4-Chloro-3-methylphenol	BQL	20
2-Chlorophenol	BQL	10
m & p-Cresol	BQL	10
o-Cresol	BQL	10
2,4-Dichlorophenol	BQL	10
2,6-Dichlorophenol	BQL	10
2,4-Dimethylphenol	BQL	10
4,6-Dinitro-2-methylphenol	BQL	50
2,4-Dinitrophenol	BQL	50
2-Nitrophenol	BQL	10
4-Nitrophenol	BQL	50
Pentachlorophenol	BQL	50
Phenol	BQL	10
2,3,4,6-Tetrachlorophenol	BQL	10
2,4,5-Trichlorophenol	BQL	10
2,4,6-Trichlorophenol	BQL	10

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Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: SW-3

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248575 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	10	Dimethyl phthalate	BQL	10
Acenaphthylene	BQL	10	p-(Dimethylamino)azobenzene	BQL	10
Acetophenone	BQL	10	7,12-Dimethylbenz(a)anthracene	BQL	10
2-Acetylaminofluorene	BQL	20	3,3'-Dimethylbenzidine	BQL	10
4-Aminobiphenyl	BQL	20	m-Dinitrobenzene	BQL	20
Anthracene	BQL	10	2,4-Dinitrotoluene	BQL	10
Benzo(a)anthracene	BQL	10	2,6-Dinitrotoluene	BQL	10
Benzo(a)pyrene	BQL	10	Diphenylamine	BQL	10
Benzo(b)fluoranthene	BQL	10	Disulfoton	BQL	10
Benzo(g,h,i)perylene	BQL	10	Ethyl methanesulfonate	BQL	20
Benzo(k)fluoranthene	BQL	10	Famphur	BQL	20
Benzyl alcohol	BQL	20	Fluoranthene	BQL	10
Bis(2-chloroethoxy)methane	BQL	10	Fluorene	BQL	10
Bis(2-chloroethyl)ether	BQL	10	Hexachlorobenzene	BQL	10
Bis(2-chloroisopropyl)ether	BQL	10	Hexachlorobutadiene	BQL	10
Bis(2-ethylhexyl)phthalate	BQL	10	Hexachlorocyclopentadiene	BQL	10
4-Bromophenyl phenyl ether	BQL	10	Hexachloroethane	BQL	10
Butyl benzyl phthalate	BQL	10	Hexachloropropene	BQL	10
p-Chloroaniline	BQL	20	Indeno(1,2,3-cd)pyrene	BQL	10
Chlorobenzilate	BQL	10	Isodrin	BQL	20
2-Chloronaphthalene	BQL	10	Isophorone	BQL	10
4-Chlorophenyl phenyl ether	BQL	10	Isosafrole	BQL	10
Chrysene	BQL	10	Kepone	BQL	20
Di-n-butyl phthalate	BQL	10	Methapyrilene	BQL	100
Di-n-octyl phthalate	BQL	10	Methyl methanesulfonate	BQL	10
Diallate	BQL	10	Methyl parathion	BQL	10
Dibenz(a,h)anthracene	BQL	10	3-Methylcholanthrene	BQL	10
Dibenzofuran	BQL	10	2-Methylnaphthalene	BQL	10
1,2-Dichlorobenzene	BQL	10	Naphthalene	BQL	10
1,3-Dichlorobenzene	BQL	10	1,4-Naphthoquinone	BQL	10
1,4-Dichlorobenzene	BQL	10	1-Naphthylamine	BQL	10
3,3'-Dichlorobenzidine	BQL	20	2-Naphthylamine	BQL	10
Diethyl phthalate	BQL	10	5-Nitro-o-toluidine	BQL	10
Dimethoate	BQL	10	2-Nitroaniline	BQL	50

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Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: SW-3

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248575 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
3-Nitroaniline	BQL	50
4-Nitroaniline	BQL	20
Nitrobenzene	BQL	10
N-Nitroso-di-n-butylamine	BQL	10
N-Nitrosodiethylamine	BQL	20
N-Nitrosodimethylamine	BQL	10
N-Nitrosodiphenylamine	BQL	10
N-Nitrosodipropylamine	BQL	10
N-Nitrosomethylethylamine	BQL	10
N-Nitrosopiperidine	BQL	20
N-Nitrosopyrrolidine	BQL	40
Parathion	BQL	20
Pentachlorobenzene	BQL	10
Pentachloronitrobenzene	BQL	20
Phenacetin	BQL	20
Phenanthrene	BQL	10
p-Phenylenediamine	BQL	10
Phorate	BQL	10
Pronamide	BQL	10
Pyrene	BQL	10
Safrole	BQL	10
1,2,4,5-Tetrachlorobenzene	BQL	10
Thionazin	BQL	20
o-Toluidine	BQL	10
1,2,4-Trichlorobenzene	BQL	10
o,o,o-Triethyl phosphorothioate	BQL	50
1,3,5-Trinitrobenzene	BQL	10

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Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Pesticides/PCBs (8081A/8082) - Appendix II

Sample ID: SW-3

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/26/2006
Date Analyzed: 11/01/2006

ACL Sample #: 248575 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
Aldrin	BQL	0.05
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50
a-BHC	BQL	0.05
b-BHC	BQL	0.05
d-BHC	BQL	0.05
g-BHC	BQL	0.05
Chlordane	BQL	0.10
4,4'-DDD	BQL	0.05
4,4'-DDE	BQL	0.05
4,4'-DDT	BQL	0.05
Dieldrin	BQL	0.05
Endosulfan I	BQL	0.05
Endosulfan II	BQL	0.05
Endosulfan sulfate	BQL	0.05
Endrin	BQL	0.05
Endrin aldehyde	BQL	0.05
Heptachlor	BQL	0.05
Heptachlor epoxide	BQL	0.05
Methoxychlor	BQL	0.05
Toxaphene	BQL	2.00

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ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Chlorinated Herbicides (8151A) - Appendix II

Sample ID: SW-3

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/09/2006
Analyst: AM

ACL Sample #: 248575 **Units:** µg/L

Analyte	Result	PQL
2,4-D	BQL	5.0
Dinoseb	BQL	5.0
2,4,5-TP (Silvex)	BQL	5.0
2,4,5-T	BQL	5.0

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Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Miscellaneous Organics (8011) - Appendix II

Sample ID: SW-3

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/27/2006
Date Analyzed: 11/02/2006
Analyst: AM

ACL Sample #: 248575 **Units:** µg/L

Analyte	Result	PQL
1,2-Dibromo-3-chloropropane	BQL	0.20
1,2-Dibromoethane	BQL	0.05

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Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Appendix II Metals (6010B/7470A/7841/7041)

Sample ID: SW-3

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted:
Date Analyzed: 11/08/2006

ACL Sample #: 248575 **Units:** mg/L **Analyst:** AD/JR

Analyte	Result	PQL
Antimony	BQL	0.006
Arsenic	BQL	0.010
Barium	0.080	0.020
Beryllium	BQL	0.004
Cadmium	BQL	0.005
Chromium	BQL	0.020
Cobalt	BQL	0.050
Copper	0.053	0.020
Lead	0.015	0.010
Mercury	BQL	0.0005
Nickel	0.061	0.020
Selenium	BQL	0.040
Silver	BQL	0.010
Thallium	BQL	0.002
Tin	BQL	0.025
Vanadium	BQL	0.050
Zinc	0.102	0.020

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Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
SW-3	248575	Cyanide (9012A)	Water	BQL	0.020	mg/L	11/07/2006
SW-3	248575	Sulfide (9034)	Water	12.7	1.0	mg/L	10/27/2006
SW-3	248575	Hex Chromium (7196A)	Water	BQL	0.010	mg/L	10/24/2006
SW-3	248575	E. Coli (SM9223B)	Water	***	10	#/100 ml	
SW-3	248575	F. Coliform(SM9222D)	Water	3300	10	#/100 ml	10/25/2006
SW-3	248575	Fecal Strep (SM9230C)	Water	4200	10	#/100 ml	10/25/2006

*** Subcontractor laboratory did not have the required media in stock to perform this analysis.

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Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

V.O. (5030B/8260B) - Appendix II

Sample ID: SW-2

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted:
Date Analyzed: 11/01/2006

ACL Sample #: 248576 **Units:** µg/L **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	100	Ethyl methacrylate	BQL	10
Acetonitrile	BQL	100	Ethylbenzene	BQL	5
Acrolein	BQL	100	2-Hexanone	BQL	50
Acrylonitrile	BQL	50	Isobutyl alcohol	BQL	50
Allyl chloride	BQL	10	Methacrylonitrile	BQL	100
Benzene	BQL	5	Methyl bromide	BQL	10
Bromochloromethane	BQL	5	Methyl chloride	BQL	10
Bromodichloromethane	BQL	5	Methyl ethyl ketone	BQL	100
Bromoform	BQL	5	Methyl iodide	BQL	5
Carbon disulfide	BQL	5	Methyl methacrylate	BQL	30
Carbon tetrachloride	BQL	5	4-Methyl-2-pentanone	BQL	50
Chlorobenzene	BQL	5	Methylene bromide	BQL	5
Chloroethane	BQL	10	Methylene chloride	BQL	5
Chloroform	BQL	5	Naphthalene	BQL	5
Chloroprene	BQL	20	Propionitrile	BQL	150
1,2-Dibromo-3-chloropropane	BQL	20	Styrene	BQL	5
Dibromochloromethane	BQL	5	1,1,1,2-Tetrachloroethane	BQL	5
1,2-Dibromoethane	BQL	5	1,1,2,2-Tetrachloroethane	BQL	5
trans-1,4-Dichloro-2-butene	BQL	10	Tetrachloroethene	BQL	5
1,2-Dichlorobenzene	BQL	5	Toluene	BQL	5
1,3-Dichlorobenzene	BQL	5	1,1,1-Trichloroethane	BQL	5
1,4-Dichlorobenzene	BQL	5	1,1,2-Trichloroethane	BQL	5
Dichlorodifluoromethane	BQL	5	Trichloroethene	BQL	5
1,1-Dichloroethane	BQL	5	Trichlorofluoromethane	BQL	5
1,2-Dichloroethane	BQL	5	1,2,3-Trichloropropane	BQL	5
1,1-Dichloroethene	BQL	5	Vinyl acetate	BQL	50
cis-1,2-Dichloroethene	BQL	5	Vinyl chloride	BQL	2
trans-1,2-Dichloroethene	BQL	5	m & p-Xylenes	BQL	10
1,2-Dichloropropane	BQL	5	o-Xylene	BQL	5
1,3-Dichloropropane	BQL	5			
2,2-Dichloropropane	BQL	15			
1,1-Dichloropropene	BQL	5			
cis-1,3-Dichloropropene	BQL	5			
trans-1,3-Dichloropropene	BQL	5			

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Acid Extractables (8270C) - Appendix II

Sample ID: SW-2

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248576 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
4-Chloro-3-methylphenol	BQL	20
2-Chlorophenol	BQL	10
m & p-Cresol	BQL	10
o-Cresol	BQL	10
2,4-Dichlorophenol	BQL	10
2,6-Dichlorophenol	BQL	10
2,4-Dimethylphenol	BQL	10
4,6-Dinitro-2-methylphenol	BQL	50
2,4-Dinitrophenol	BQL	50
2-Nitrophenol	BQL	10
4-Nitrophenol	BQL	50
Pentachlorophenol	BQL	50
Phenol	BQL	10
2,3,4,6-Tetrachlorophenol	BQL	10
2,4,5-Trichlorophenol	BQL	10
2,4,6-Trichlorophenol	BQL	10

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: SW-2

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248576 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	10	Dimethyl phthalate	BQL	10
Acenaphthylene	BQL	10	p-(Dimethylamino)azobenzene	BQL	10
Acetophenone	BQL	10	7,12-Dimethylbenz(a)anthracene	BQL	10
2-Acetylaminofluorene	BQL	20	3,3'-Dimethylbenzidine	BQL	10
4-Aminobiphenyl	BQL	20	m-Dinitrobenzene	BQL	20
Anthracene	BQL	10	2,4-Dinitrotoluene	BQL	10
Benzo(a)anthracene	BQL	10	2,6-Dinitrotoluene	BQL	10
Benzo(a)pyrene	BQL	10	Diphenylamine	BQL	10
Benzo(b)fluoranthene	BQL	10	Disulfoton	BQL	10
Benzo(g,h,i)perylene	BQL	10	Ethyl methanesulfonate	BQL	20
Benzo(k)fluoranthene	BQL	10	Famphur	BQL	20
Benzyl alcohol	BQL	20	Fluoranthene	BQL	10
Bis(2-chloroethoxy)methane	BQL	10	Fluorene	BQL	10
Bis(2-chloroethyl)ether	BQL	10	Hexachlorobenzene	BQL	10
Bis(2-chloroisopropyl)ether	BQL	10	Hexachlorobutadiene	BQL	10
Bis(2-ethylhexyl)phthalate	BQL	10	Hexachlorocyclopentadiene	BQL	10
4-Bromophenyl phenyl ether	BQL	10	Hexachloroethane	BQL	10
Butyl benzyl phthalate	BQL	10	Hexachloropropene	BQL	10
p-Chloroaniline	BQL	20	Indeno(1,2,3-cd)pyrene	BQL	10
Chlorobenzilate	BQL	10	Isodrin	BQL	20
2-Chloronaphthalene	BQL	10	Isophorone	BQL	10
4-Chlorophenyl phenyl ether	BQL	10	Isosafrole	BQL	10
Chrysene	BQL	10	Kepone	BQL	20
Di-n-butyl phthalate	BQL	10	Methapyrilene	BQL	100
Di-n-octyl phthalate	BQL	10	Methyl methanesulfonate	BQL	10
Diallate	BQL	10	Methyl parathion	BQL	10
Dibenz(a,h)anthracene	BQL	10	3-Methylcholanthrene	BQL	10
Dibenzofuran	BQL	10	2-Methylnaphthalene	BQL	10
1,2-Dichlorobenzene	BQL	10	Naphthalene	BQL	10
1,3-Dichlorobenzene	BQL	10	1,4-Naphthoquinone	BQL	10
1,4-Dichlorobenzene	BQL	10	1-Naphthylamine	BQL	10
3,3'-Dichlorobenzidine	BQL	20	2-Naphthylamine	BQL	10
Diethyl phthalate	BQL	10	5-Nitro-o-toluidine	BQL	10
Dimethoate	BQL	10	2-Nitroaniline	BQL	50

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Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: SW-2

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248576 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
3-Nitroaniline	BQL	50
4-Nitroaniline	BQL	20
Nitrobenzene	BQL	10
N-Nitroso-di-n-butylamine	BQL	10
N-Nitrosodiethylamine	BQL	20
N-Nitrosodimethylamine	BQL	10
N-Nitrosodiphenylamine	BQL	10
N-Nitrosodipropylamine	BQL	10
N-Nitrosomethylethylamine	BQL	10
N-Nitrosopiperidine	BQL	20
N-Nitrosopyrrolidine	BQL	40
Parathion	BQL	20
Pentachlorobenzene	BQL	10
Pentachloronitrobenzene	BQL	20
Phenacetin	BQL	20
Phenanthrene	BQL	10
p-Phenylenediamine	BQL	10
Phorate	BQL	10
Pronamide	BQL	10
Pyrene	BQL	10
Safrole	BQL	10
1,2,4,5-Tetrachlorobenzene	BQL	10
Thionazin	BQL	20
o-Toluidine	BQL	10
1,2,4-Trichlorobenzene	BQL	10
o,o,o-Triethyl phosphorothioate	BQL	50
1,3,5-Trinitrobenzene	BQL	10

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Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Pesticides/PCBs (8081A/8082) - Appendix II

Sample ID: SW-2

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/26/2006
Date Analyzed: 11/01/2006

ACL Sample #: 248576 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
Aldrin	BQL	0.05
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50
a-BHC	BQL	0.05
b-BHC	BQL	0.05
d-BHC	BQL	0.05
g-BHC	BQL	0.05
Chlordane	BQL	0.10
4,4'-DDD	BQL	0.05
4,4'-DDE	BQL	0.05
4,4'-DDT	BQL	0.05
Dieldrin	BQL	0.05
Endosulfan I	BQL	0.05
Endosulfan II	BQL	0.05
Endosulfan sulfate	BQL	0.05
Endrin	BQL	0.05
Endrin aldehyde	BQL	0.05
Heptachlor	BQL	0.05
Heptachlor epoxide	BQL	0.05
Methoxychlor	BQL	0.05
Toxaphene	BQL	2.00

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Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Chlorinated Herbicides (8151A) - Appendix II

Sample ID: SW-2

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/09/2006

ACL Sample #: 248576 **Units:** µg/L **Analyst:** AM

Analyte	Result	PQL
2,4-D	BQL	5.0
Dinoseb	BQL	5.0
2,4,5-TP (Silvex)	BQL	5.0
2,4,5-T	BQL	5.0

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Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Miscellaneous Organics (8011) - Appendix II

Sample ID: SW-2

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted: 10/27/2006
Date Analyzed: 11/02/2006
Analyst: AM

ACL Sample #: 248576 **Units:** µg/L

Analyte	Result	PQL
1,2-Dibromo-3-chloropropane	BQL	0.20
1,2-Dibromoethane	BQL	0.05

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Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Appendix II Metals (6010B/7470A/7841/7041)

Sample ID: SW-2

Matrix: Water
Date Sampled: 10/24/2006
Date Extracted:
Date Analyzed: 11/08/2006
Analyst: AD/JR

ACL Sample #: 248576 **Units:** mg/L

Analyte	Result	PQL
Antimony	BQL	0.006
Arsenic	BQL	0.010
Barium	0.296	0.020
Beryllium	BQL	0.004
Cadmium	BQL	0.005
Chromium	BQL	0.020
Cobalt	BQL	0.050
Copper	BQL	0.020
Lead	BQL	0.010
Mercury	BQL	0.0005
Nickel	BQL	0.020
Selenium	BQL	0.040
Silver	BQL	0.010
Thallium	BQL	0.002
Tin	BQL	0.025
Vanadium	BQL	0.050
Zinc	0.045	0.020

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Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
SW-2	248576	Cyanide (9012A)	Water	0.032	0.020	mg/L	11/07/2006
SW-2	248576	Sulfide (9034)	Water	BQL	1.0	mg/L	10/27/2006
SW-2	248576	Hex Chromium (7196A)	Water	BQL	0.010	mg/L	10/24/2006
SW-2	248576	E. Coli (SM9223B)	Water	***	10	#/100 ml	
SW-2	248576	F. Coliform(SM9222D)	Water	380	10	#/100 ml	10/25/2006
SW-2	248576	Fecal Strep (SM9230C)	Water	100	10	#/100 ml	10/25/2006

*** Subcontractor laboratory did not have the required media in stock to perform this analysis.

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Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
GW-1A	248574	E. Coli (SM9223B)	Water	***	10	#/100 ml	
GW-1A	248574	F. Coliform(SM9222D)	Water	62000	10	#/100 ml	10/25/2006
GW-1A	248574	Fecal Strep (SM9230C)	Water	**	10	#/100 ml	

** There was insufficient sample to perform this analysis.

*** Subcontractor laboratory did not have the required media in stock to perform this analysis.

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Client Proj #: #103
ACL Project #: 51863
Date Received: 10/24/2006
Date Reported: 11/16/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
SW-1	248577	E. Coli (SM9223B)	Water	***	10	#/100 ml	
SW-1	248577	F. Coliform(SM9222D)	Water	880	10	#/100 ml	10/25/2006
SW-1	248577	Fecal Strep (SM9230C)	Water	2100	10	#/100 ml	10/25/2006

*** Subcontractor laboratory did not have the required media in stock to perform this analysis.

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: LANDMARK RESOURCES, LLC
Phone #: 770 376-3321
RMEADOWS@BELLSOUTH.NET
Fax #: 770-552-0476 Fax #2 770-565-9746

Company Address: 4852 CREEKLAND TRACE #103
MARIETTA, GA 30062

Site Location:

Project Manager: RANDALL L. MEADOWS, PG
GORET L. SIMPSON, PG
Client Project: (#) #103
(Name) 770-377-7700 cell

I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): RCM / GLS

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: 2006 Date	Time	ECOLI COLIFORM	STREPTOCOCCUS	E. COLI	APPENDIX II	Hex Chromium	Remarks
		X												10/24	~~1320~~						
GW-1A	1	X												10/24	1320	X	X	X			1320 hrs
SW-3	13	X												10/24	1340	X	X	X	X	X	1340 hrs
SW-2	13	X												10/24	1420	X	X	X	X	X	1420 hrs
SW-1	1	X												10/24	1500	X	X	X			1500 hrs

Special Detection Limits

Remarks:

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal ☑

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: Fax ☑ BOTH FAXES OR E-MAIL

Lab Use Only: ACL Project #: 51863

Cooler Temp: 4 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ ____

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler: Goret L. Simpson, PG	10/24/06	1749	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory: Waybill # Mechanics Adapt 10/24/06 17:49

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Laboratory Report

ACL Project #: 51864

Client Proj #: #103

Prepared For:

LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Attention: Mr. Randy Meadows

Report Date: 11/20/2006

This report contains 31 pages.
(including this cover page and chain of custody)

John Andros
Technical Director

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

ACL certifies that the following analytical results meet all the requirements of NELAC.

ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Case Narrative

ACL Project # 51864

No problems were encountered during the analysis of the samples in this report except for the following:

The analyses for E. Coli, Fecal Coliform, and Fecal Streptococcus were subcontracted to the following laboratory:

Analytical Services, Inc. - NELAC (E87315)
110 Technology Parkway
Norcross, GA 30092
(770) 734-4200 Phone
(770) 734-4201 Fax

Ms. Elizabeth Bryant
Project Manager

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value: (i) sample received or analyzed beyond the accepted holding time; (ii) sample received at improper temperature; (iii) the continuing calibration for an analyte did not meet qc criteria;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

Upon client request, a statement of the test result estimated uncertainty can be provided.

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client: LandMark Resources,LLC
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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

V.O. (5030B/8260B) - Appendix II

Sample ID: GW-1

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted:
Date Analyzed: 11/08/2006

ACL Sample #: 248578 **Units:** µg/L **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	100	Ethyl methacrylate	BQL	10
Acetonitrile	BQL	100	Ethylbenzene	BQL	5
Acrolein	BQL	100	2-Hexanone	BQL	50
Acrylonitrile	BQL	50	Isobutyl alcohol	BQL	50
Allyl chloride	BQL	10	Methacrylonitrile	BQL	100
Benzene	BQL	5	Methyl bromide	BQL	10
Bromochloromethane	BQL	5	Methyl chloride	BQL	10
Bromodichloromethane	BQL	5	Methyl ethyl ketone	BQL	100
Bromoform	BQL	5	Methyl iodide	BQL	5
Carbon disulfide	BQL	5	Methyl methacrylate	BQL	30
Carbon tetrachloride	BQL	5	4-Methyl-2-pentanone	BQL	50
Chlorobenzene	BQL	5	Methylene bromide	BQL	5
Chloroethane	BQL	10	Methylene chloride	BQL	5
Chloroform	BQL	5	Naphthalene	BQL	5
Chloroprene	BQL	20	Propionitrile	BQL	150
1,2-Dibromo-3-chloropropane	BQL	20	Styrene	BQL	5
Dibromochloromethane	BQL	5	1,1,1,2-Tetrachloroethane	BQL	5
1,2-Dibromoethane	BQL	5	1,1,2,2-Tetrachloroethane	BQL	5
trans-1,4-Dichloro-2-butene	BQL	10	Tetrachloroethene	BQL	5
1,2-Dichlorobenzene	BQL	5	Toluene	BQL	5
1,3-Dichlorobenzene	BQL	5	1,1,1-Trichloroethane	BQL	5
1,4-Dichlorobenzene	BQL	5	1,1,2-Trichloroethane	BQL	5
Dichlorodifluoromethane	BQL	5	Trichloroethene	BQL	5
1,1-Dichloroethane	BQL	5	Trichlorofluoromethane	BQL	5
1,2-Dichloroethane	BQL	5	1,2,3-Trichloropropane	BQL	5
1,1-Dichloroethene	BQL	5	Vinyl acetate	BQL	50
cis-1,2-Dichloroethene	BQL	5	Vinyl chloride	BQL	2
trans-1,2-Dichloroethene	BQL	5	m & p-Xylenes	BQL	10
1,2-Dichloropropane	BQL	5	o-Xylene	BQL	5
1,3-Dichloropropane	BQL	5			
2,2-Dichloropropane	BQL	15			
1,1-Dichloropropene	BQL	5			
cis-1,3-Dichloropropene	BQL	5			
trans-1,3-Dichloropropene	BQL	5			

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Acid Extractables (8270C) - Appendix II

Sample ID: GW-1

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248578 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
4-Chloro-3-methylphenol	BQL	20
2-Chlorophenol	BQL	10
m & p-Cresol	BQL	10
o-Cresol	BQL	10
2,4-Dichlorophenol	BQL	10
2,6-Dichlorophenol	BQL	10
2,4-Dimethylphenol	BQL	10
4,6-Dinitro-2-methylphenol	BQL	50
2,4-Dinitrophenol	BQL	50
2-Nitrophenol	BQL	10
4-Nitrophenol	BQL	50
Pentachlorophenol	BQL	50
Phenol	BQL	10
2,3,4,6-Tetrachlorophenol	BQL	10
2,4,5-Trichlorophenol	BQL	10
2,4,6-Trichlorophenol	BQL	10

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: GW-1

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248578 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	10	Dimethyl phthalate	BQL	10
Acenaphthylene	BQL	10	p-(Dimethylamino)azobenzene	BQL	10
Acetophenone	BQL	10	7,12-Dimethylbenz(a)anthracene	BQL	10
2-Acetylaminofluorene	BQL	20	3,3'-Dimethylbenzidine	BQL	10
4-Aminobiphenyl	BQL	20	m-Dinitrobenzene	BQL	20
Anthracene	BQL	10	2,4-Dinitrotoluene	BQL	10
Benzo(a)anthracene	BQL	10	2,6-Dinitrotoluene	BQL	10
Benzo(a)pyrene	BQL	10	Diphenylamine	BQL	10
Benzo(b)fluoranthene	BQL	10	Disulfoton	BQL	10
Benzo(g,h,i)perylene	BQL	10	Ethyl methanesulfonate	BQL	20
Benzo(k)fluoranthene	BQL	10	Famphur	BQL	20
Benzyl alcohol	BQL	20	Fluoranthene	BQL	10
Bis(2-chloroethoxy)methane	BQL	10	Fluorene	BQL	10
Bis(2-chloroethyl)ether	BQL	10	Hexachlorobenzene	BQL	10
Bis(2-chloroisopropyl)ether	BQL	10	Hexachlorobutadiene	BQL	10
Bis(2-ethylhexyl)phthalate	BQL	10	Hexachlorocyclopentadiene	BQL	10
4-Bromophenyl phenyl ether	BQL	10	Hexachloroethane	BQL	10
Butyl benzyl phthalate	BQL	10	Hexachloropropene	BQL	10
p-Chloroaniline	BQL	20	Indeno(1,2,3-cd)pyrene	BQL	10
Chlorobenzilate	BQL	10	Isodrin	BQL	20
2-Chloronaphthalene	BQL	10	Isophorone	BQL	10
4-Chlorophenyl phenyl ether	BQL	10	Isosafrole	BQL	10
Chrysene	BQL	10	Kepone	BQL	20
Di-n-butyl phthalate	BQL	10	Methapyrilene	BQL	100
Di-n-octyl phthalate	BQL	10	Methyl methanesulfonate	BQL	10
Diallate	BQL	10	Methyl parathion	BQL	10
Dibenz(a,h)anthracene	BQL	10	3-Methylcholanthrene	BQL	10
Dibenzofuran	BQL	10	2-Methylnaphthalene	BQL	10
1,2-Dichlorobenzene	BQL	10	Naphthalene	BQL	10
1,3-Dichlorobenzene	BQL	10	1,4-Naphthoquinone	BQL	10
1,4-Dichlorobenzene	BQL	10	1-Naphthylamine	BQL	10
3,3'-Dichlorobenzidine	BQL	20	2-Naphthylamine	BQL	10
Diethyl phthalate	BQL	10	5-Nitro-o-toluidine	BQL	10
Dimethoate	BQL	10	2-Nitroaniline	BQL	50

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: GW-1

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248578 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
3-Nitroaniline	BQL	50
4-Nitroaniline	BQL	20
Nitrobenzene	BQL	10
N-Nitroso-di-n-butylamine	BQL	10
N-Nitrosodiethylamine	BQL	20
N-Nitrosodimethylamine	BQL	10
N-Nitrosodiphenylamine	BQL	10
N-Nitrosodipropylamine	BQL	10
N-Nitrosomethylethylamine	BQL	10
N-Nitrosopiperidine	BQL	20
N-Nitrosopyrrolidine	BQL	40
Parathion	BQL	20
Pentachlorobenzene	BQL	10
Pentachloronitrobenzene	BQL	20
Phenacetin	BQL	20
Phenanthrene	BQL	10
p-Phenylenediamine	BQL	10
Phorate	BQL	10
Pronamide	BQL	10
Pyrene	BQL	10
Safrole	BQL	10
1,2,4,5-Tetrachlorobenzene	BQL	10
Thionazin	BQL	20
o-Toluidine	BQL	10
1,2,4-Trichlorobenzene	BQL	10
o,o,o-Triethyl phosphorothioate	BQL	50
1,3,5-Trinitrobenzene	BQL	10

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ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Pesticides/PCBs (8081A/8082) - Appendix II

Sample ID: GW-1

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/26/2006
Date Analyzed: 11/01/2006

ACL Sample #: 248578 **Units:** µg/L **Analyst:** AM

Analyte	Result	PQL
Aldrin	BQL	0.05
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50
a-BHC	BQL	0.05
b-BHC	BQL	0.05
d-BHC	BQL	0.05
g-BHC	BQL	0.05
Chlordane	BQL	0.10
4,4'-DDD	BQL	0.05
4,4'-DDE	BQL	0.05
4,4'-DDT	BQL	0.05
Dieldrin	BQL	0.05
Endosulfan I	BQL	0.05
Endosulfan II	BQL	0.05
Endosulfan sulfate	BQL	0.05
Endrin	BQL	0.05
Endrin aldehyde	BQL	0.05
Heptachlor	BQL	0.05
Heptachlor epoxide	BQL	0.05
Methoxychlor	BQL	0.05
Toxaphene	BQL	2.00

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Chlorinated Herbicides (8151A) - Appendix II

Sample ID: GW-1

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/09/2006

ACL Sample #: 248578 **Units:** µg/L **Analyst:** AM

Analyte	Result	PQL
2,4-D	BQL	1.0
Dinoseb	BQL	1.0
2,4,5-TP (Silvex)	BQL	1.0
2,4,5-T	BQL	1.0

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Miscellaneous Organics (8011) - Appendix II

Sample ID: GW-1

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/27/2006
Date Analyzed: 11/02/2006
Analyst: AM

ACL Sample #: 248578 **Units:** µg/L

Analyte	Result	PQL
1,2-Dibromo-3-chloropropane	BQL	0.20
1,2-Dibromoethane	BQL	0.05

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ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Appendix II Metals (6010B/7470A/7841/7041)

Sample ID: GW-1

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted:
Date Analyzed: 11/08/2006

ACL Sample #: 248578 **Units:** mg/L **Analyst:** AD/JR

Analyte	Result	PQL
Antimony	BQL	0.006
Arsenic	BQL	0.010
Barium	0.230	0.020
Beryllium	BQL	0.004
Cadmium	BQL	0.005
Chromium	BQL	0.020
Cobalt	BQL	0.050
Copper	0.022	0.020
Lead	0.014	0.010
Mercury	BQL	0.0005
Nickel	BQL	0.020
Selenium	BQL	0.040
Silver	BQL	0.010
Thallium	BQL	0.002
Tin	BQL	0.025
Vanadium	BQL	0.050
Zinc	0.205	0.020

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ACL Project #: 51864
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Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
GW-1	248578	Cyanide (9012A)	Water	BQL	0.020	mg/L	11/07/2006
GW-1	248578	Sulfide (9034)	Water	BQL	1.0	mg/L	10/27/2006
GW-1	248578	Hex Chromium (7196A)	Water	BQL	0.010	mg/L	10/25/2006
GW-1	248578	E. Coli (SM9223B)	Water	***	10	#/100 ml	
GW-1	248578	F. Coliform(SM9222D)	Water	BQL	10	#/100 ml	10/25/2006
GW-1	248578	Fecal Strep (SM9230C)	Water	BQL	10	#/100 ml	10/25/2006

*** Subcontractor laboratory did not have the required media in stock to perform this analysis.

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V.O. (5030B/8260B) - Appendix II

Sample ID: SW-4

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted:
Date Analyzed: 11/08/2006

ACL Sample #: 248579 **Units:** µg/L **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	100	Ethyl methacrylate	BQL	10
Acetonitrile	BQL	100	Ethylbenzene	BQL	5
Acrolein	BQL	100	2-Hexanone	BQL	50
Acrylonitrile	BQL	50	Isobutyl alcohol	BQL	50
Allyl chloride	BQL	10	Methacrylonitrile	BQL	100
Benzene	BQL	5	Methyl bromide	BQL	10
Bromochloromethane	BQL	5	Methyl chloride	BQL	10
Bromodichloromethane	BQL	5	Methyl ethyl ketone	BQL	100
Bromoform	BQL	5	Methyl iodide	BQL	5
Carbon disulfide	BQL	5	Methyl methacrylate	BQL	30
Carbon tetrachloride	BQL	5	4-Methyl-2-pentanone	BQL	50
Chlorobenzene	BQL	5	Methylene bromide	BQL	5
Chloroethane	BQL	10	Methylene chloride	BQL	5
Chloroform	BQL	5	Naphthalene	BQL	5
Chloroprene	BQL	20	Propionitrile	BQL	150
1,2-Dibromo-3-chloropropane	BQL	20	Styrene	BQL	5
Dibromochloromethane	BQL	5	1,1,1,2-Tetrachloroethane	BQL	5
1,2-Dibromoethane	BQL	5	1,1,2,2-Tetrachloroethane	BQL	5
trans-1,4-Dichloro-2-butene	BQL	10	Tetrachloroethene	BQL	5
1,2-Dichlorobenzene	BQL	5	Toluene	BQL	5
1,3-Dichlorobenzene	BQL	5	1,1,1-Trichloroethane	BQL	5
1,4-Dichlorobenzene	BQL	5	1,1,2-Trichloroethane	BQL	5
Dichlorodifluoromethane	BQL	5	Trichloroethene	BQL	5
1,1-Dichloroethane	BQL	5	Trichlorofluoromethane	BQL	5
1,2-Dichloroethane	BQL	5	1,2,3-Trichloropropane	BQL	5
1,1-Dichloroethene	BQL	5	Vinyl acetate	BQL	50
cis-1,2-Dichloroethene	BQL	5	Vinyl chloride	BQL	2
trans-1,2-Dichloroethene	BQL	5	m & p-Xylenes	BQL	10
1,2-Dichloropropane	BQL	5	o-Xylene	BQL	5
1,3-Dichloropropane	BQL	5			
2,2-Dichloropropane	BQL	15			
1,1-Dichloropropene	BQL	5			
cis-1,3-Dichloropropene	BQL	5			
trans-1,3-Dichloropropene	BQL	5			

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Acid Extractables (8270C) - Appendix II

Sample ID: SW-4

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248579 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
4-Chloro-3-methylphenol	BQL	20
2-Chlorophenol	BQL	10
m & p-Cresol	BQL	10
o-Cresol	BQL	10
2,4-Dichlorophenol	BQL	10
2,6-Dichlorophenol	BQL	10
2,4-Dimethylphenol	BQL	10
4,6-Dinitro-2-methylphenol	BQL	50
2,4-Dinitrophenol	BQL	50
2-Nitrophenol	BQL	10
4-Nitrophenol	BQL	50
Pentachlorophenol	BQL	50
Phenol	BQL	10
2,3,4,6-Tetrachlorophenol	BQL	10
2,4,5-Trichlorophenol	BQL	10
2,4,6-Trichlorophenol	BQL	10

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: SW-4

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248579 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	10	Dimethyl phthalate	BQL	10
Acenaphthylene	BQL	10	p-(Dimethylamino)azobenzene	BQL	10
Acetophenone	BQL	10	7,12-Dimethylbenz(a)anthracene	BQL	10
2-Acetylaminofluorene	BQL	20	3,3'-Dimethylbenzidine	BQL	10
4-Aminobiphenyl	BQL	20	m-Dinitrobenzene	BQL	20
Anthracene	BQL	10	2,4-Dinitrotoluene	BQL	10
Benzo(a)anthracene	BQL	10	2,6-Dinitrotoluene	BQL	10
Benzo(a)pyrene	BQL	10	Diphenylamine	BQL	10
Benzo(b)fluoranthene	BQL	10	Disulfoton	BQL	10
Benzo(g,h,i)perylene	BQL	10	Ethyl methanesulfonate	BQL	20
Benzo(k)fluoranthene	BQL	10	Famphur	BQL	20
Benzyl alcohol	BQL	20	Fluoranthene	BQL	10
Bis(2-chloroethoxy)methane	BQL	10	Fluorene	BQL	10
Bis(2-chloroethyl)ether	BQL	10	Hexachlorobenzene	BQL	10
Bis(2-chloroisopropyl)ether	BQL	10	Hexachlorobutadiene	BQL	10
Bis(2-ethylhexyl)phthalate	BQL	10	Hexachlorocyclopentadiene	BQL	10
4-Bromophenyl phenyl ether	BQL	10	Hexachloroethane	BQL	10
Butyl benzyl phthalate	BQL	10	Hexachloropropene	BQL	10
p-Chloroaniline	BQL	20	Indeno(1,2,3-cd)pyrene	BQL	10
Chlorobenzilate	BQL	10	Isodrin	BQL	20
2-Chloronaphthalene	BQL	10	Isophorone	BQL	10
4-Chlorophenyl phenyl ether	BQL	10	Isosafrole	BQL	10
Chrysene	BQL	10	Kepone	BQL	20
Di-n-butyl phthalate	BQL	10	Methapyrilene	BQL	100
Di-n-octyl phthalate	BQL	10	Methyl methanesulfonate	BQL	10
Diallate	BQL	10	Methyl parathion	BQL	10
Dibenz(a,h)anthracene	BQL	10	3-Methylcholanthrene	BQL	10
Dibenzofuran	BQL	10	2-Methylnaphthalene	BQL	10
1,2-Dichlorobenzene	BQL	10	Naphthalene	BQL	10
1,3-Dichlorobenzene	BQL	10	1,4-Naphthoquinone	BQL	10
1,4-Dichlorobenzene	BQL	10	1-Naphthylamine	BQL	10
3,3'-Dichlorobenzidine	BQL	20	2-Naphthylamine	BQL	10
Diethyl phthalate	BQL	10	5-Nitro-o-toluidine	BQL	10
Dimethoate	BQL	10	2-Nitroaniline	BQL	50

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Date Received: 10/25/2006
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Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: SW-4

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248579 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
3-Nitroaniline	BQL	50
4-Nitroaniline	BQL	20
Nitrobenzene	BQL	10
N-Nitroso-di-n-butylamine	BQL	10
N-Nitrosodiethylamine	BQL	20
N-Nitrosodimethylamine	BQL	10
N-Nitrosodiphenylamine	BQL	10
N-Nitrosodipropylamine	BQL	10
N-Nitrosomethylethylamine	BQL	10
N-Nitrosopiperidine	BQL	20
N-Nitrosopyrrolidine	BQL	40
Parathion	BQL	20
Pentachlorobenzene	BQL	10
Pentachloronitrobenzene	BQL	20
Phenacetin	BQL	20
Phenanthrene	BQL	10
p-Phenylenediamine	BQL	10
Phorate	BQL	10
Pronamide	BQL	10
Pyrene	BQL	10
Safrole	BQL	10
1,2,4,5-Tetrachlorobenzene	BQL	10
Thionazin	BQL	20
o-Toluidine	BQL	10
1,2,4-Trichlorobenzene	BQL	10
o,o,o-Triethyl phosphorothioate	BQL	50
1,3,5-Trinitrobenzene	BQL	10

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Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Pesticides/PCBs (8081A/8082) - Appendix II

Sample ID: SW-4

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/26/2006
Date Analyzed: 11/01/2006
Analyst: AM

ACL Sample #: 248579 **Units:** µg/L

Analyte	Result	PQL
Aldrin	BQL	0.05
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50
a-BHC	BQL	0.05
b-BHC	BQL	0.05
d-BHC	BQL	0.05
g-BHC	BQL	0.05
Chlordane	BQL	0.10
4,4'-DDD	BQL	0.05
4,4'-DDE	BQL	0.05
4,4'-DDT	BQL	0.05
Dieldrin	BQL	0.05
Endosulfan I	BQL	0.05
Endosulfan II	BQL	0.05
Endosulfan sulfate	BQL	0.05
Endrin	BQL	0.05
Endrin aldehyde	BQL	0.05
Heptachlor	BQL	0.05
Heptachlor epoxide	BQL	0.05
Methoxychlor	BQL	0.05
Toxaphene	BQL	2.00

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Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Chlorinated Herbicides (8151A) - Appendix II

Sample ID: SW-4

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/09/2006
Analyst: AM

ACL Sample #: 248579 **Units:** µg/L

Analyte	Result	PQL
2,4-D	BQL	1.0
Dinoseb	BQL	1.0
2,4,5-TP (Silvex)	BQL	1.0
2,4,5-T	BQL	1.0

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Miscellaneous Organics (8011) - Appendix II

Sample ID: SW-4

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/27/2006
Date Analyzed: 11/02/2006

ACL Sample #: 248579 **Units:** µg/L **Analyst:** AM

Analyte	Result	PQL
1,2-Dibromo-3-chloropropane	BQL	0.20
1,2-Dibromoethane	BQL	0.05

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Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Appendix II Metals (6010B/7470A/7841/7041)

Sample ID: SW-4

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted:
Date Analyzed: 11/08/2006
Analyst: AD/JR

ACL Sample #: 248579 **Units:** mg/L

Analyte	Result	PQL
Antimony	BQL	0.006
Arsenic	BQL	0.010
Barium	0.124	0.020
Beryllium	BQL	0.004
Cadmium	BQL	0.005
Chromium	BQL	0.020
Cobalt	BQL	0.050
Copper	BQL	0.020
Lead	BQL	0.010
Mercury	BQL	0.0005
Nickel	BQL	0.020
Selenium	BQL	0.040
Silver	BQL	0.010
Thallium	BQL	0.002
Tin	BQL	0.025
Vanadium	BQL	0.050
Zinc	0.106	0.020

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Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
SW-4	248579	Cyanide (9012A)	Water	BQL	0.020	mg/L	11/07/2006
SW-4	248579	Sulfide (9034)	Water	15.3	1.0	mg/L	10/27/2006
SW-4	248579	Hex Chromium (7196A)	Water	BQL	0.010	mg/L	10/25/2006
SW-4	248579	E. Coli (SM9223B)	Water	***	10	#/100 ml	
SW-4	248579	F. Coliform(SM9222D)	Water	135	10	#/100 ml	10/25/2006
SW-4	248579	Fecal Strep (SM9230C)	Water	100	10	#/100 ml	10/25/2006

*** Subcontractor laboratory did not have the required media in stock to perform this analysis.

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

V.O. (5030B/8260B) - Appendix II

Sample ID: SW-5

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted:
Date Analyzed: 11/08/2006

ACL Sample #: 248580 **Units:** µg/L **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	100	Ethyl methacrylate	BQL	10
Acetonitrile	BQL	100	Ethylbenzene	BQL	5
Acrolein	BQL	100	2-Hexanone	BQL	50
Acrylonitrile	BQL	50	Isobutyl alcohol	BQL	50
Allyl chloride	BQL	10	Methacrylonitrile	BQL	100
Benzene	BQL	5	Methyl bromide	BQL	10
Bromochloromethane	BQL	5	Methyl chloride	BQL	10
Bromodichloromethane	BQL	5	Methyl ethyl ketone	BQL	100
Bromoform	BQL	5	Methyl iodide	BQL	5
Carbon disulfide	BQL	5	Methyl methacrylate	BQL	30
Carbon tetrachloride	BQL	5	4-Methyl-2-pentanone	BQL	50
Chlorobenzene	BQL	5	Methylene bromide	BQL	5
Chloroethane	BQL	10	Methylene chloride	BQL	5
Chloroform	BQL	5	Naphthalene	BQL	5
Chloroprene	BQL	20	Propionitrile	BQL	150
1,2-Dibromo-3-chloropropane	BQL	20	Styrene	BQL	5
Dibromochloromethane	BQL	5	1,1,1,2-Tetrachloroethane	BQL	5
1,2-Dibromoethane	BQL	5	1,1,2,2-Tetrachloroethane	BQL	5
trans-1,4-Dichloro-2-butene	BQL	10	Tetrachloroethene	BQL	5
1,2-Dichlorobenzene	BQL	5	Toluene	BQL	5
1,3-Dichlorobenzene	BQL	5	1,1,1-Trichloroethane	BQL	5
1,4-Dichlorobenzene	BQL	5	1,1,2-Trichloroethane	BQL	5
Dichlorodifluoromethane	BQL	5	Trichloroethene	BQL	5
1,1-Dichloroethane	BQL	5	Trichlorofluoromethane	BQL	5
1,2-Dichloroethane	BQL	5	1,2,3-Trichloropropane	BQL	5
1,1-Dichloroethene	BQL	5	Vinyl acetate	BQL	50
cis-1,2-Dichloroethene	BQL	5	Vinyl chloride	BQL	2
trans-1,2-Dichloroethene	BQL	5	m & p-Xylenes	BQL	10
1,2-Dichloropropane	BQL	5	o-Xylene	BQL	5
1,3-Dichloropropane	BQL	5			
2,2-Dichloropropane	BQL	15			
1,1-Dichloropropene	BQL	5			
cis-1,3-Dichloropropene	BQL	5			
trans-1,3-Dichloropropene	BQL	5			

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Acid Extractables (8270C) - Appendix II

Sample ID: SW-5

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248580 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
4-Chloro-3-methylphenol	BQL	20
2-Chlorophenol	BQL	10
m & p-Cresol	BQL	10
o-Cresol	BQL	10
2,4-Dichlorophenol	BQL	10
2,6-Dichlorophenol	BQL	10
2,4-Dimethylphenol	BQL	10
4,6-Dinitro-2-methylphenol	BQL	50
2,4-Dinitrophenol	BQL	50
2-Nitrophenol	BQL	10
4-Nitrophenol	BQL	50
Pentachlorophenol	BQL	50
Phenol	BQL	10
2,3,4,6-Tetrachlorophenol	BQL	10
2,4,5-Trichlorophenol	BQL	10
2,4,6-Trichlorophenol	BQL	10

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: SW-5

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248580 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	10	Dimethyl phthalate	BQL	10
Acenaphthylene	BQL	10	p-(Dimethylamino)azobenzene	BQL	10
Acetophenone	BQL	10	7,12-Dimethylbenz(a)anthracene	BQL	10
2-Acetylaminofluorene	BQL	20	3,3'-Dimethylbenzidine	BQL	10
4-Aminobiphenyl	BQL	20	m-Dinitrobenzene	BQL	20
Anthracene	BQL	10	2,4-Dinitrotoluene	BQL	10
Benzo(a)anthracene	BQL	10	2,6-Dinitrotoluene	BQL	10
Benzo(a)pyrene	BQL	10	Diphenylamine	BQL	10
Benzo(b)fluoranthene	BQL	10	Disulfoton	BQL	10
Benzo(g,h,i)perylene	BQL	10	Ethyl methanesulfonate	BQL	20
Benzo(k)fluoranthene	BQL	10	Famphur	BQL	20
Benzyl alcohol	BQL	20	Fluoranthene	BQL	10
Bis(2-chloroethoxy)methane	BQL	10	Fluorene	BQL	10
Bis(2-chloroethyl)ether	BQL	10	Hexachlorobenzene	BQL	10
Bis(2-chloroisopropyl)ether	BQL	10	Hexachlorobutadiene	BQL	10
Bis(2-ethylhexyl)phthalate	BQL	10	Hexachlorocyclopentadiene	BQL	10
4-Bromophenyl phenyl ether	BQL	10	Hexachloroethane	BQL	10
Butyl benzyl phthalate	BQL	10	Hexachloropropene	BQL	10
p-Chloroaniline	BQL	20	Indeno(1,2,3-cd)pyrene	BQL	10
Chlorobenzilate	BQL	10	Isodrin	BQL	20
2-Chloronaphthalene	BQL	10	Isophorone	BQL	10
4-Chlorophenyl phenyl ether	BQL	10	Isosafrole	BQL	10
Chrysene	BQL	10	Kepone	BQL	20
Di-n-butyl phthalate	BQL	10	Methapyrilene	BQL	100
Di-n-octyl phthalate	BQL	10	Methyl methanesulfonate	BQL	10
Diallate	BQL	10	Methyl parathion	BQL	10
Dibenz(a,h)anthracene	BQL	10	3-Methylcholanthrene	BQL	10
Dibenzofuran	BQL	10	2-Methylnaphthalene	BQL	10
1,2-Dichlorobenzene	BQL	10	Naphthalene	BQL	10
1,3-Dichlorobenzene	BQL	10	1,4-Naphthoquinone	BQL	10
1,4-Dichlorobenzene	BQL	10	1-Naphthylamine	BQL	10
3,3'-Dichlorobenzidine	BQL	20	2-Naphthylamine	BQL	10
Diethyl phthalate	BQL	10	5-Nitro-o-toluidine	BQL	10
Dimethoate	BQL	10	2-Nitroaniline	BQL	50

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ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: SW-5

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248580 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
3-Nitroaniline	BQL	50
4-Nitroaniline	BQL	20
Nitrobenzene	BQL	10
N-Nitroso-di-n-butylamine	BQL	10
N-Nitrosodiethylamine	BQL	20
N-Nitrosodimethylamine	BQL	10
N-Nitrosodiphenylamine	BQL	10
N-Nitrosodipropylamine	BQL	10
N-Nitrosomethylethylamine	BQL	10
N-Nitrosopiperidine	BQL	20
N-Nitrosopyrrolidine	BQL	40
Parathion	BQL	20
Pentachlorobenzene	BQL	10
Pentachloronitrobenzene	BQL	20
Phenacetin	BQL	20
Phenanthrene	BQL	10
p-Phenylenediamine	BQL	10
Phorate	BQL	10
Pronamide	BQL	10
Pyrene	BQL	10
Safrole	BQL	10
1,2,4,5-Tetrachlorobenzene	BQL	10
Thionazin	BQL	20
o-Toluidine	BQL	10
1,2,4-Trichlorobenzene	BQL	10
o,o,o-Triethyl phosphorothioate	BQL	50
1,3,5-Trinitrobenzene	BQL	10

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Pesticides/PCBs (8081A/8082) - Appendix II

Sample ID: SW-5

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/26/2006
Date Analyzed: 11/01/2006

ACL Sample #: 248580 **Units:** µg/L **Analyst:** AM

Analyte	Result	PQL
Aldrin	BQL	0.05
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50
a-BHC	BQL	0.05
b-BHC	BQL	0.05
d-BHC	BQL	0.05
g-BHC	BQL	0.05
Chlordane	BQL	0.10
4,4'-DDD	BQL	0.05
4,4'-DDE	BQL	0.05
4,4'-DDT	BQL	0.05
Dieldrin	BQL	0.05
Endosulfan I	BQL	0.05
Endosulfan II	BQL	0.05
Endosulfan sulfate	BQL	0.05
Endrin	BQL	0.05
Endrin aldehyde	BQL	0.05
Heptachlor	BQL	0.05
Heptachlor epoxide	BQL	0.05
Methoxychlor	BQL	0.05
Toxaphene	BQL	2.00

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Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Chlorinated Herbicides (8151A) - Appendix II

Sample ID: SW-5

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/02/2006
Analyst: AM

ACL Sample #: 248580 **Units:** µg/L

Analyte	Result	PQL
2,4-D	BQL	1.0
Dinoseb	BQL	1.0
2,4,5-TP (Silvex)	BQL	1.0
2,4,5-T	BQL	1.0

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Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Miscellaneous Organics (8011) - Appendix II

Sample ID: SW-5

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted: 10/27/2006
Date Analyzed: 11/02/2006

ACL Sample #: 248580 **Units:** µg/L **Analyst:** AM

Analyte	Result	PQL
1,2-Dibromo-3-chloropropane	BQL	0.20
1,2-Dibromoethane	BQL	0.05

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Appendix II Metals (6010B/7470A/7841/7041)

Sample ID: SW-5

Matrix: Water
Date Sampled: 10/25/2006
Date Extracted:
Date Analyzed: 11/08/2006

ACL Sample #: 248580 **Units:** mg/L **Analyst:** AD/JR

Analyte	Result	PQL
Antimony	BQL	0.006
Arsenic	BQL	0.010
Barium	0.084	0.020
Beryllium	BQL	0.004
Cadmium	BQL	0.005
Chromium	BQL	0.020
Cobalt	BQL	0.050
Copper	0.023	0.020
Lead	0.023	0.010
Mercury	BQL	0.0005
Nickel	BQL	0.020
Selenium	BQL	0.040
Silver	BQL	0.010
Thallium	BQL	0.002
Tin	BQL	0.025
Vanadium	BQL	0.050
Zinc	0.062	0.020

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Client Proj #: #103
ACL Project #: 51864
Date Received: 10/25/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
SW-5	248580	Cyanide (9012A)	Water	BQL	0.020	mg/L	11/07/2006
SW-5	248580	Sulfide (9034)	Water	BQL	1.0	mg/L	10/27/2006
SW-5	248580	Hex Chromium (7196A)	Water	BQL	0.010	mg/L	10/25/2006
SW-5	248580	E. Coli (SM9223B)	Water	***	10	#/100 ml	
SW-5	248580	F. Coliform(SM9222D)	Water	310	10	#/100 ml	10/25/2006
SW-5	248580	Fecal Strep (SM9230C)	Water	1080	10	#/100 ml	10/25/2006

*** Subcontractor laboratory did not have the required media in stock to perform this analysis.

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: LANDMARK RESOURCES, LLC
Phone #: 404 376 3321
Fax #:

Company Address: 4852 Creekland Trace, Marietta, GA
Site Location: 103

Project Manager: Randy Meadows, PG; Gary Simpson, PG
Client Project: (#) 103
(Name)

I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): RLM / GLS

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: 2006 Date	Time	Fecal Coliform	Streptococcus E. Coli	Appendix IX	ICP - Cr.	Remarks
GW-1	13	X												10/25	0815	X	X	X	X	X	
SW-4	13	X												10/25	0900	X	X	X	X	X	
SW-5	12	X												10/25	0940	X	X	X	X	X	

Special Detection Limits

Remarks:

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal ☐

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

Special Reporting Requirements: email rmeadows@bellsouth.net Excel Format
Fax ☐

Lab Use Only: ACL Project #: 51864

Cooler Temp: 3 °C

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ ____

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler: R Meadows	10/25/06	1140	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	10/25/06	11:40	Received by Laboratory: Waybill # C. Bartholomew

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Laboratory Report

ACL Project #: **51879**

Client Proj #: #103

Prepared For:

LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Attention: Mr. Randy Meadows

Report Date: 11/20/2006

This report contains 14 pages.
(including this cover page and chain of custody)

John Andros
Technical Director

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

ACL certifies that the following analytical results meet all the requirements of NELAC.

ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Case Narrative

ACL Project # 51879

No problems were encountered during the analysis of the samples in this report except for the following:

The sample labeled RW-1 was not in the cooler with the other sample (GW-2). It was in a second cooler with some unused bottles. This sample was not on ice and was not discovered until the next day. This sample was analyzed and the results were flagged as estimated.

The analyses for E. Coli, Fecal Coliform, and Fecal Streptococcus were subcontracted to the following laboratory:

Analytical Services, Inc. - NELAC (E87315)
110 Technology Parkway
Norcross, GA 30092
(770) 734-4200 Phone
(770) 734-4201 Fax

Ms. Elizabeth Bryant
Project Manager

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg,dw);
E	Estimated value: (i) sample received or analyzed beyond the accepted holding time; (ii) sample received at improper temperature; (iii) the continuing calibration for an analyte did not meet qc criteria;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

Upon client request, a statement of the test result estimated uncertainty can be provided.

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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www.advancedchemistrylabs.com

Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: #103
ACL Project #: 51879
Date Received: 10/26/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
RW-1	248690	E. Coli (SM9223B)	Water	***	10	#/100 ml	
RW-1	248690	F. Coliform(SM9222D)	Water	2400 E	10	#/100 ml	10/27/2006
RW-1	248690	Fecal Strep (SM9230C)	Water	1800 E	10	#/100 ml	10/27/2006

*** Subcontractor laboratory did not have the required media in stock to perform this analysis.

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Client Proj #: #103
ACL Project #: 51879
Date Received: 10/26/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

V.O. (5030B/8260B) - Appendix II

Sample ID: GW-2

Matrix: Water
Date Sampled: 10/26/2006
Date Extracted:
Date Analyzed: 11/09/2006

ACL Sample #: 248691 **Units:** µg/L **Analyst:** ME

Analyte	Result	PQL	Analyte	Result	PQL
Acetone	BQL	100	Ethyl methacrylate	BQL	10
Acetonitrile	BQL	100	Ethylbenzene	BQL	5
Acrolein	BQL	100	2-Hexanone	BQL	50
Acrylonitrile	BQL	50	Isobutyl alcohol	BQL	50
Allyl chloride	BQL	10	Methacrylonitrile	BQL	100
Benzene	BQL	5	Methyl bromide	BQL	10
Bromochloromethane	BQL	5	Methyl chloride	BQL	10
Bromodichloromethane	BQL	5	Methyl ethyl ketone	BQL	100
Bromoform	BQL	5	Methyl iodide	BQL	5
Carbon disulfide	BQL	5	Methyl methacrylate	BQL	30
Carbon tetrachloride	BQL	5	4-Methyl-2-pentanone	BQL	50
Chlorobenzene	BQL	5	Methylene bromide	BQL	5
Chloroethane	BQL	10	Methylene chloride	BQL	5
Chloroform	BQL	5	Naphthalene	BQL	5
Chloroprene	BQL	20	Propionitrile	BQL	150
1,2-Dibromo-3-chloropropane	BQL	20	Styrene	BQL	5
Dibromochloromethane	BQL	5	1,1,1,2-Tetrachloroethane	BQL	5
1,2-Dibromoethane	BQL	5	1,1,2,2-Tetrachloroethane	BQL	5
trans-1,4-Dichloro-2-butene	BQL	10	Tetrachloroethene	BQL	5
1,2-Dichlorobenzene	BQL	5	Toluene	BQL	5
1,3-Dichlorobenzene	BQL	5	1,1,1-Trichloroethane	BQL	5
1,4-Dichlorobenzene	BQL	5	1,1,2-Trichloroethane	BQL	5
Dichlorodifluoromethane	BQL	5	Trichloroethene	BQL	5
1,1-Dichloroethane	BQL	5	Trichlorofluoromethane	BQL	5
1,2-Dichloroethane	BQL	5	1,2,3-Trichloropropane	BQL	5
1,1-Dichloroethene	BQL	5	Vinyl acetate	BQL	50
cis-1,2-Dichloroethene	BQL	5	Vinyl chloride	BQL	2
trans-1,2-Dichloroethene	BQL	5	m & p-Xylenes	BQL	10
1,2-Dichloropropane	BQL	5	o-Xylene	BQL	5
1,3-Dichloropropane	BQL	5			
2,2-Dichloropropane	BQL	15			
1,1-Dichloropropene	BQL	5			
cis-1,3-Dichloropropene	BQL	5			
trans-1,3-Dichloropropene	BQL	5			

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Marietta, GA 30062-6380

Client Proj #: #103
ACL Project #: 51879
Date Received: 10/26/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Acid Extractables (8270C) - Appendix II

Sample ID: GW-2

Matrix: Water
Date Sampled: 10/26/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248691 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
4-Chloro-3-methylphenol	BQL	20
2-Chlorophenol	BQL	10
m & p-Cresol	BQL	10
o-Cresol	BQL	10
2,4-Dichlorophenol	BQL	10
2,6-Dichlorophenol	BQL	10
2,4-Dimethylphenol	BQL	10
4,6-Dinitro-2-methylphenol	BQL	50
2,4-Dinitrophenol	BQL	50
2-Nitrophenol	BQL	10
4-Nitrophenol	BQL	50
Pentachlorophenol	BQL	50
Phenol	BQL	10
2 3,4,6-Tetrachlorophenol	BQL	10
2 4,5-Trichlorophenol	BQL	10
2 4,6-Trichlorophenol	BQL	10

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Client Proj #: #103
ACL Project #: 51879
Date Received: 10/26/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: GW-2

Matrix: Water
Date Sampled: 10/26/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248691 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL	Analyte	Result	PQL
Acenaphthene	BQL	10	Dimethyl phthalate	BQL	10
Acenaphthylene	BQL	10	p-(Dimethylamino)azobenzene	BQL	10
Acetophenone	BQL	10	7,12-Dimethylbenz(a)anthracene	BQL	10
2-Acetylaminofluorene	BQL	20	3,3'-Dimethylbenzidine	BQL	10
4-Aminobiphenyl	BQL	20	m-Dinitrobenzene	BQL	20
Anthracene	BQL	10	2,4-Dinitrotoluene	BQL	10
Benzo(a)anthracene	BQL	10	2,6-Dinitrotoluene	BQL	10
Benzo(a)pyrene	BQL	10	Diphenylamine	BQL	10
Benzo(b)fluoranthene	BQL	10	Disulfoton	BQL	10
Benzo(g,h,i)perylene	BQL	10	Ethyl methanesulfonate	BQL	20
Benzo(k)fluoranthene	BQL	10	Famphur	BQL	20
Benzyl alcohol	BQL	20	Fluoranthene	BQL	10
Bis(2-chloroethoxy)methane	BQL	10	Fluorene	BQL	10
Bis(2-chloroethyl)ether	BQL	10	Hexachlorobenzene	BQL	10
Bis(2-chloroisopropyl)ether	BQL	10	Hexachlorobutadiene	BQL	10
Bis(2-ethylhexyl)phthalate	BQL	10	Hexachlorocyclopentadiene	BQL	10
4-Bromophenyl phenyl ether	BQL	10	Hexachloroethane	BQL	10
Butyl benzyl phthalate	BQL	10	Hexachloropropene	BQL	10
p-Chloroaniline	BQL	20	Indeno(1,2,3-cd)pyrene	BQL	10
Chlorobenzilate	BQL	10	Isodrin	BQL	20
2-Chloronaphthalene	BQL	10	Isophorone	BQL	10
4-Chlorophenyl phenyl ether	BQL	10	Isosafrole	BQL	10
Chrysene	BQL	10	Kepone	BQL	20
Di-n-butyl phthalate	BQL	10	Methapyrilene	BQL	100
Di-n-octyl phthalate	BQL	10	Methyl methanesulfonate	BQL	10
Diallate	BQL	10	Methyl parathion	BQL	10
Dibenz(a,h)anthracene	BQL	10	3-Methylcholanthrene	BQL	10
Dibenzofuran	BQL	10	2-Methylnaphthalene	BQL	10
1,2-Dichlorobenzene	BQL	10	Naphthalene	BQL	10
1,3-Dichlorobenzene	BQL	10	1,4-Naphthoquinone	BQL	10
1,4-Dichlorobenzene	BQL	10	1-Naphthylamine	BQL	10
3,3'-Dichlorobenzidine	BQL	20	2-Naphthylamine	BQL	10
Diethyl phthalate	BQL	10	5-Nitro-o-toluidine	BQL	10
Dimethoate	BQL	10	2-Nitroaniline	BQL	50

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Client Proj #: #103
ACL Project #: 51879
Date Received: 10/26/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Base Neutral Extractables (8270C) - Appendix II

Sample ID: GW-2

Matrix: Water
Date Sampled: 10/26/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/07/2006

ACL Sample #: 248691 **Units:** µg/L **Analyst:** RB

Analyte	Result	PQL
3-Nitroaniline	BQL	50
4-Nitroaniline	BQL	20
Nitrobenzene	BQL	10
N-Nitroso-di-n-butylamine	BQL	10
N-Nitrosodiethylamine	BQL	20
N-Nitrosodimethylamine	BQL	10
N-Nitrosodiphenylamine	BQL	10
N-Nitrosodipropylamine	BQL	10
N-Nitrosomethylethylamine	BQL	10
N-Nitrosopiperidine	BQL	20
N-Nitrosopyrrolidine	BQL	40
Parathion	BQL	20
Pentachlorobenzene	BQL	10
Pentachloronitrobenzene	BQL	20
Phenacetin	BQL	20
Phenanthrene	BQL	10
p-Phenylenediamine	BQL	10
Phorate	BQL	10
Pronamide	BQL	10
Pyrene	BQL	10
Safrole	BQL	10
1,2,4,5-Tetrachlorobenzene	BQL	10
Thionazin	BQL	20
o-Toluidine	BQL	10
1,2,4-Trichlorobenzene	BQL	10
o,o,o-Triethyl phosphorothioate	BQL	50
1,3,5-Trinitrobenzene	BQL	10

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Client Proj #: #103
ACL Project #: 51879
Date Received: 10/26/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Pesticides/PCBs (8081A/8082) - Appendix II

Sample ID: GW-2

Matrix: Water
Date Sampled: 10/26/2006
Date Extracted: 11/01/2006
Date Analyzed: 11/03/2006

ACL Sample #: 248691 **Units:** µg/L **Analyst:** AM

Analyte	Result	PQL
Aldrin	BQL	0.05
Arochlor-1016	BQL	0.50
Arochlor-1221	BQL	0.50
Arochlor-1232	BQL	0.50
Arochlor-1242	BQL	0.50
Arochlor-1248	BQL	0.50
Arochlor-1254	BQL	0.50
Arochlor-1260	BQL	0.50
a-BHC	BQL	0.05
b-BHC	BQL	0.05
d-BHC	BQL	0.05
g-BHC	BQL	0.05
Chlordane	BQL	0.10
4,4'-DDD	BQL	0.05
4,4'-DDE	BQL	0.05
4,4'-DDT	BQL	0.05
Dieldrin	BQL	0.05
Endosulfan I	BQL	0.05
Endosulfan II	BQL	0.05
Endosulfan sulfate	BQL	0.05
Endrin	BQL	0.05
Endrin aldehyde	BQL	0.05
Heptachlor	BQL	0.05
Heptachlor epoxide	BQL	0.05
Methoxychlor	BQL	0.05
Toxaphene	BQL	2.00

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Client Proj #: #103
ACL Project #: 51879
Date Received: 10/26/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Chlorinated Herbicides (8151A) - Appendix II

Sample ID: GW-2

Matrix: Water
Date Sampled: 10/26/2006
Date Extracted: 10/31/2006
Date Analyzed: 11/02/2006

ACL Sample #: 248691 **Units:** µg/L **Analyst:** AM

Analyte	Result	PQL
2,4-D	BQL	1.0
Dinoseb	BQL	1.0
2,4,5-TP (Silvex)	BQL	1.0
2,4,5-T	BQL	1.0

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Marietta, GA 30062-6380

Client Proj #: #103
ACL Project #: 51879
Date Received: 10/26/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Miscellaneous Organics (8011) - Appendix II

Sample ID: GW-2

Matrix: Water
Date Sampled: 10/26/2006
Date Extracted: 10/27/2006
Date Analyzed: 11/02/2006
Analyst: AM

ACL Sample #: 248691 **Units:** µg/L

Analyte	Result	PQL
1,2-Dibromo-3-chloropropane	BQL	0.20
1,2-Dibromoethane	BQL	0.05

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Client Proj #: #103
ACL Project #: 51879
Date Received: 10/26/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Appendix II Metals (6010B/7470A/7841/7041)

Sample ID: GW-2

Matrix: Water
Date Sampled: 10/26/2006
Date Extracted:
Date Analyzed: 11/09/2006

ACL Sample #: 248691 **Units:** mg/L **Analyst:** AD/JR

Analyte	Result	PQL
Antimony	BQL	0.006
Arsenic	0.010	0.010
Barium	0.618	0.020
Beryllium	0.011	0.004
Cadmium	BQL	0.005
Chromium	0.031	0.020
Cobalt	BQL	0.050
Copper	0.162	0.020
Lead	0.093	0.010
Mercury	BQL	0.0005
Nickel	0.023	0.020
Selenium	BQL	0.040
Silver	BQL	0.010
Thallium	BQL	0.002
Tin	BQL	0.025
Vanadium	0.088	0.050
Zinc	0.319	0.020

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Client Proj #: #103
ACL Project #: 51879
Date Received: 10/26/2006
Date Reported: 11/20/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
GW-2	248691	Cyanide (9012A)	Water	BQL	0.020	mg/L	11/07/2006
GW-2	248691	Sulfide (9034)	Water	BQL	1.0	mg/L	10/27/2006
GW-2	248691	Hex Chromium (7196A)	Water	BQL	0.010	mg/L	10/26/2006
GW-2	248691	E. Coli (SM9223B)	Water	***	10	#/100 ml	
GW-2	248691	F. Coliform(SM9222D)	Water	82	10	#/100 ml	10/26/2006
GW-2	248691	Fecal Strep (SM9230C)	Water	240	10	#/100 ml	10/26/2006

*** Subcontractor laboratory did not have the required media in stock to perform this analysis.

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CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: Landmark Resources, LLC

Phone #: 404 376 3321

Fax #:

Company Address: 4852 Creekland Trace Marietta GA 30062

Site Location: 103

Project Manager: Randy Meadows, PG

Client Project: (#) 103

Garey Simpson, PG

(Name)

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): RLM / GLS

ANALYSIS REQUEST

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date (2006)	Time	Fecal Coliform	Streptococcus	E. Coli (if possible)	Appendix III	Hex - Cr	Remarks
RW-1														10/26	0900	X	X	X			
GW-2														10/26	0950	X	X	X	X	X	

Special Detection Limits

Remarks:

TAT
Priority (24 hr) ☐
Rush (48 hr) ☐
Rush (72 hr) ☐
Normal ☐

Special Handling
ACL Contact _____
Quote # _____
P. O. _____

Special Reporting Requirements
email: rmeadows@bellsouth.net
Fax ☐ Excel Format

Lab Use Only:
ACL Project #: 51879

Cooler Temp.
3 °C

QA/QC Level
Level 1 ☐ Level 2 ☐ Other ☐ _____

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:	10/26/06	1134	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	10/26/06	11:36	Received by Laboratory: C. Bartholomew Waybill #

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Laboratory Report

ACL Project #: **52245**

Client Proj #: 103

Prepared For:

LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Attention: Mr. Randy Meadows

Report Date: 12/17/2006

This report contains 6 pages.
(including this cover page and chain of custody)

Markorios Adafre
Markorios Adafre
Laboratory Manager

Advanced Chemistry Labs is a woman owned small business concern.

If you have any questions concerning this report, please do not hesitate to call us at (770) 409-1444.

ACL certifies that the following analytical results meet all the requirements of NELAC.

ACL is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

ACL maintains the following certifications: NELAC (E87212), South Carolina (98009001), North Carolina (362), Florida (E87212), USDA Soil Import License (S-36503).

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Case Narrative

ACL Project #: 52245

No problems were encountered during the analysis of the samples in this report except for the following:

The analysis for Fecal Coliform, E. Coli, and Fecal Strep were subcontracted to the following laboratory:

Analytical Services, Inc. - NELAC (E87315)
110 Technology Parkway
Norcross, GA 30092
(770) 734-4200 Phone
(770) 734-4201 Fax

Ms. Elizabeth Bryant
Project Manager

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Data Qualifier Codes

Code	Description
A	Value reported is the mean of two or more determinations;
B	Indicates the analyte was detected in the sample and method blank;
BQL	Below practical quantitation limit;
DW	Results reported on a dry-weight basis (ex: mg/kg, dw),
E	Estimated value: (i) sample received or analyzed beyond the accepted holding time; (ii) sample received at improper container or temperature or with inappropriate preservative; (iii) the continuing calibration for an analyte did not meet qc criteria;
H	Estimated value; result higher than the highest calibration standard;
J	Reported value is between the method detection limit and the practical quantitation limit;
PQL	Practical quantitation limit;
TIC	Tentatively identified compound;
***	Not analyzed due to interferences;

Upon client request, a statement of the test result estimated uncertainty can be provided.

NOTE: Unless otherwise noted, all results are reported on an as received basis.

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Client: LandMark Resources,LLC
4852 Creekland Trace
Marietta, GA 30062-6380

Client Proj #: 103
ACL Project #: 52245
Date Received: 12/07/2006
Date Reported: 12/17/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
SW-3	250633	E. Coli (MColiBlue24)	Water	4000	100	#/100 ml	12/07/2006
SW-3	250633	F. Coliform(SM9222D)	Water	128000	100	#/100 ml	12/07/2006
SW-3	250633	Fecal Strep (SM9230C)	Water	5800	100	#/100 ml	12/07/2006

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Client Proj #: 103
ACL Project #: 52245
Date Received: 12/07/2006
Date Reported: 12/17/2006

Contact: Mr. Randy Meadows

Sample ID	ACL #	Analyte	Matrix	Result	PQL	Units	Date Analyzed
GW-1A	250634	E. Coli (MColiBlue24)	Water	BQL	100	#/100 ml	12/07/2006
GW-1A	250634	F. Coliform(SM9222D)	Water	3000	100	#/100 ml	12/07/2006
GW-1A	250634	Fecal Strep (SM9230C)	Water	13000	100	#/100 ml	12/07/2006

ACL

ADVANCED CHEMISTRY LABS, INC.

3039 Amwiler Road • Suite 100 • Atlanta, GA 30360 ■ P. O. Box 88610 • Atlanta, GA 30356 ■ (770) 409-1444 • Fax (770) 409-1844

CHAIN-OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: Landmark Resources, LLC
Phone #: 404 376 3321
Fax #: NA

Company Address: 4852 Creekland Trace
Site Location:

Project Manager: R. Meadows, PG; S. Simpson, PG
Client Project: (#) 103
(Name)

I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): R. Meadows, PG; G. Simpson, PG

Field Sample ID	# Container	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_3	H_2SO_4	Ice	None	Other	Sampling: Date (2006)	Time	Fecal Coliform	E-Coli	Streptococcus	Remarks
SW-3	1	X									X			12/7	1100	X	X	X	
GW-1A	1	X									X			12/7	1130	X	X	X	

Special Detection Limits

Remarks:

TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal ☐

Special Handling: ACL Contact ____ Quote # ____ P. O. ____

QA/QC Level: Level 1 ☐ Level 2 ☐ Other ☐ ____

Special Reporting Requirements
email to: RLMEADOWS@bellsouth.net
Fax ☐

Lab Use Only
ACL Project #: 52245

Cooler Temp.: 2.5 °C

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler: R. Meadows	12/7/06	12:20	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	12/7/06	13:20	Received by Laboratory: Waybill # L. Bartholomew

Appendix 10

GA-EPD Emergency Response Directive, dated July 23rd, 1999
City of Atlanta's response, dated August 9th, 1999

Appendix 10

GA-EPD Emergency Response Directive, dated July 23rd, 1999
City of Atlanta's response, dated August 9th, 1999

Georgia Department of Natural Resources
GEORGIA ENVIRONMENTAL PROTECTION DIVISION
Permitting, Compliance and Enforcement Program
4220 International Parkway, Suite 101
Atlanta, Georgia 30354
404/362-2680
FAX 404/362-2691

FAX COVER LETTER

FAX NO: (404) 362-2691

DATE: 7-29-99

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: Gary Simpson

ORGANIZATION/DEPARTMENT: _____

SENT BY:

NAME: Marzieh Shahbazaz

ORGANIZATION/DEPARTMENT: Water Protection

PHONE: 404-362-2680

This transmission is a total of 5 **pages, with the cover letter being one. If you do not receive all pages or if problems arise during transmission, please call the person and number listed above immediately.**

COMMENTS/NOTES:

Georgia Department of Natural Resources
205 Butler Street, S.E., East Floyd Tower, Atlanta, Georgia 30334
Lonice C. Barrett, Commissioner
Harold F. Reheis, Director
David Word, Assistant Director
Environmental Protection Division
404/656-4713

July 23, 1999

Honorable Bill Campbell
Mayor of Atlanta
55 Trinity Avenue, SW
Atlanta, Georgia 30335

RE: Emergency Order No. EPD-WQ-3635

Dear Mayor Campbell:

Representatives of the Environmental Protection Div sion (EPD) have investigated complaints of large accumulations of black, septic material in and around the area of Landmark Environmental Industries, Inc. (Landmark), located at 2110 Spink Street in Atlanta. Based on the results of these investigations, EPD has determined that these accumulations of this black, septic material pose significant threats to public health and the environment. This is considered an emergency condition and must be addressed immediately. The City of Atlanta's sanitary sewage system is located throughout this area and must be evaluated, immediately, to determine if it is the source of this material and the subsequent discharges to the waters of the State.

You are hearby directed through the attached Administrative Order (Order) to immediately determine the source of the accumulations of septic material in and around the area of Landmark and report your findings to EPD no later than August 9, 1999.

Sincerely,

Harold F. Reheis
Director

HFR/lvs

Enclosure

ENVIRONMENTAL PROTECTION DIVISION
OF THE
DEPARTMENT OF NATURAL RESOURCES
STATE OF GEORGIA

IN RE: City of Atlanta

ORDER NO. EPD-WQ-3635

EMERGENCY ORDER

WHEREAS, on May 19, June 15, and July 21, 1999, representatives of the Environmental Protection Division (EPD) observed large areas at and surrounding Landmark Environmental Industries, Inc.'s Resource Recovery Site (Landmark), located at 2110 Spink Street in Atlanta, Georgia, where malodorous, septic, black material has accumulated; and

WHEREAS, it has been documented that this material is entering the waters of the State; and

WHEREAS, these observed accumulations pose significant threats to public health and the environment; and

WHEREAS, the City of Atlanta's (City) sanitary sewage collection system is located within this area of concern; and

WHEREAS, to initiate action to address this situation, it is necessary for the City to determine if discharges from its sanitary sewage collection system is causing and/or contributing to this emergency condition; and

WHEREAS, elevated levels of fecal coliform bacteria have been documented at these sites; and

WHEREAS, Section 12-5-29(a) of the Official Code of Georgia Annotated (Code) makes it unlawful to use any waters of the State to dispose of sewage or other wastes, except to comply with the Code and all rules, regulations, orders, and permits established under the Code; and

WHEREAS, Section 12-5-47 of the Code specifies that whenever the division finds that an emergency exists and requires that necessary action be taken to meet the emergency, an emergency order shall be effective immediately and any person to whom such an order is directed, shall comply with it immediately; and

WHEREAS, the division has determined that an emergency exists in these areas; and

NOW, THEREFORE, the Director ORDERS the CITY to IMMEDIATELY comply with the following conditions:

1. Within 14 days of the issuance date of this Order, the City is to conduct a survey in the area where Landmark is located, as well as its surrounding area, of all sanitary sewer lines and manholes within a 1.5 mile radius of where this emergency condition is located in order to determine the source of this malodorous, septic, black material. The majority of attention is to be focused in the area south and east of Spink Street, Hollywood Road, Claude Street, Bolton Road, James Jackson Parkway, Collins Drive, and Perry Boulevard (near Perry Homes).

2. During this 14 day period, the City is to prepare a map indicating the streets and location of all sewer lines (existing and abandoned) and manholes in this emergency area, identify what system these sewer lines are a part of, and the name and location of all waterways located in the surveyed area.

3. During the survey, the City should utilize appropriate diagnostic screening techniques for leak detection (i.e. smoke testing, tv monitoring, etc.) in the sanitary sewer lines in order to evaluate difficult areas of the system where failures (broken pipes, etc.) may be located.

4. The City is responsible for characterizing the malodorous, septic, black material located in the waterway(s) located in the Spink Street, Claude Street, Collins Drive, Marietta Road and Bolton Road area (as noted in the attached map) by conducting priority pollutant scans and fecal coliform bacteria sampling sufficient to determine the type of material entering the waters of the State. These samples can be grab samples, as long as they are representative of the affected areas.

5. The results of the survey, the map, sample results (if available), and a report detailing the source(s) of the malodorous, septic, black material are to be submitted to EPD no later than August 9, 1999. Any additional sample results received by the City after August 9, 1999 shall be submitted to EPD within seven days of receipt from the laboratory.

The Respondent is hearby informed that this Emergency Order is in full force and effect immediately. The respondent must comply with this Order immediately. Finally, the respondent is informed of the right of a hearing as soon as possible, if requested. Any such request should be to Mr. Jeffrey H. Larson of the Division.

THIS ORDER ISSUED ON THE 23 day of July 1999.

Harold F. Reheis

HAROLD F. REHEIS
Director

CITY OF ATLANTA

BILL CAMPBELL
MAYOR

68 MITCHELL ST. SW, ATLANTA, GEORGIA 30335-0324
SUITE 4700, CITY HALL - SOUTH
(404) 330-6240
FAX (404) 658-7552
email: publicworks@atlanta.org

DEPARTMENT OF PUBLIC WORKS
Norman A. Koplon, P.E.
Interim Commissioner
David W. Peters, P.E.
Acting Deputy Commissioner

August 9, 1999

Mr. Harold F. Reheis, Director
Georgia Department of Natural Resources
205 Butler Street, S.E., East Floyd Tower
Atlanta, Georgia 30334

SUBJECT: Emergency Order EPD-WQ-3635

Dear Mr. Reheis

As directed by the subject order, attached is a report summarizing the City of Atlanta's findings and conclusions. Please feel free to contact me at 404-330-6230 if you should have any questions.

Sincerely

David W. Peters, P.E.
Acting Deputy Commissioner
Department of Public Works

Attachments

cc: Norman A. Koplon, P.E.
Sally Ingram Mills, Esq.
John W. Griffin, Jr

City of Atalanta

Department of Public Works

Sewer System Investigation
2100 Spinks Street & Vicinity

Sanitary Sewer Survey & Inspection

2100 Spinks Street is located in the Bolton community of northwest Atlanta. City records indicate that this area was mostly undeveloped during the 1920's. The development that did occur was located immediately west and generally south of the site. The railroad has apparently occupied the property immediately east and south of this site for a number of years.

Review of City sewer records revealed that only a few sewer lines have the potential of attributing to the problem occurring at 2100 Spinks Street. Therefore we focused on those sewers only, given the amount of time provided to accomplish this work.

A work authorization was issued to ADS Environmental Services, Inc. to conduct CCTV inspections of all of the sewers highlighted on Exhibit A and designated as Phase 1. ADS Environmental completed the CCTV inspection of all of the sewers, with the exception of segments W-A, A-B, B-C and C-D on T-147. CCTV work on these segments was delayed due to the time required for cleaning of the sewer. This work will be completed this week. Manholes W, A, B, C and D were inspected for signs of sewer(s) entering T-147 from 2100 Spinks Street. None were found to be entering this sewer from that property. The results of ADS Environmental, Inc.'s investigation is summarized in the Exhibit B.

Norfolk Southern Railway Company (Norfolk Southern) operates the rail yard located immediately south and east of this site. Norfolk Southern was contacted and informed of the issue at 2100 Spinks Street. Norfolk Southern identified a building sewer that it maintains on its property. The sewer serves two(2) of its structures and ties into the City's sewer system at manhole A on 245-1 located in Main Street. At the time of inspection by City of Atlanta forces, flow in this sewer did not exist. The City of Atlanta requested that Norfolk Southern investigate this sewer to determine if it is an active line and to determine if it could be contributing to the discharges found at 2100 Spinks Street. Norfolk Southern's representative agreed to conduct an investigation of the sewer and subsequently forwarded correspondence stating that a blockage had been

identified in this sewer and that Norfolk Southern will take it out of service until repairs are completed, See Exhibit C.

We have determined that due to the topography of the area, it would not be likely that sewers in other parts of this basin would be able to contribute to the discharges found at 2100 Spinks Street. The City of Atlanta sewer designated as T-147 serves as the main sewer in this area. All surrounding sewers drain into it. It has generally been constructed in the lowest area within the basin. All other locations around it are located at elevations above it, including the site at 2100 Spinks Street. We have determined that even if this sewer should encounter a back-up condition, it would discharge into the adjacent unnamed creek before it would affect the property at 2100 Spinks Street.

Overall, we have determined that the City of Atlanta sewers located immediately adjacent to 2100 Spinks Street is not causing the discharges that have been observed. While studying the 1927 topographic maps of this area, we observed that a number of intermittent springs were mapped. It is possible that these springs along with the materials that have been stockpiled on this site are the cause of the discharges that have been observed.

Mapping

We have attached the following maps of the area:

Exhibit A	City of Atlanta Sewer Cadastral Map
Exhibit D	City of Atlanta Topographical Map, Sheet E-8
Exhibit E	City of Atlanta Aerial Map, Sheet E-8

Diagnostic Techniques

The City of Atlanta elected to utilize CCTV to inspect the specified sewers. The results of this investigation are described in Exhibit B.

Sampling

The City of Atlanta is concerned about the discharges found at 2100 Spinks Street and wants to see this matter solved as expeditiously as possible. The discharges from this site were tested by the City of Atlanta on June 21, 1999. The results of that test are attached as Exhibit F.

Based on the results of the investigation of City sewer lines, it is now apparent that this investigation should be focussed on 2100 Spinks Street.

Conclusion

The City of Atlanta has investigated its sewer facilities located immediately adjacent to 2100 Spinks Street and determined that its sewer system is not causing this problem. The City of Atlanta does not have the authority to enter the property of Landmark Environmental Industries, Inc. for the purpose of conducting further investigation of this problem. We are willing to assist you with this investigation through the sharing of information generally maintained about this area such as maps and other documents or data that may be on file.

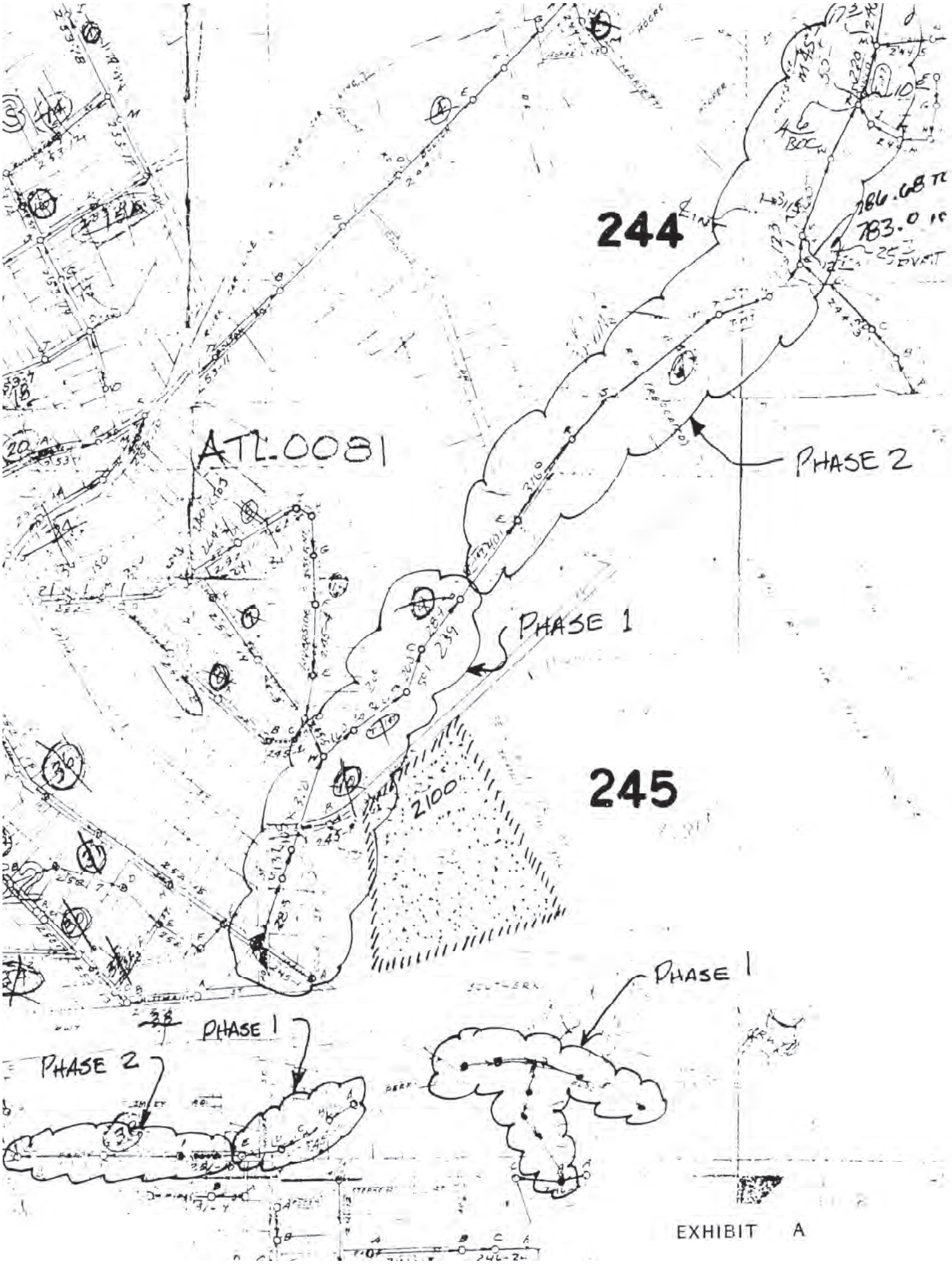

EXHIBIT A

ENVIRONMENTAL SERVICES, INC.

- Flow Monitoring
- I/I Reduction
- CSO/Stormwater Management
- Sewer System Evaluation Surveys

5 August 1999

Mr. Norman A. Koplon, P.E.
Interim Commissioner
Department of Public Works
City of Atlanta
68 Mitchell St, SW
Suite 4700, City Hall – South
Atlanta, Ga. 30335-0324

Subject: WA # A8902 Sewer System Investigation
Spink Street, NW and Vicinity

Dear Mr. Koplon:

This correspondence shall serve as an official certification of the findings of the CCTV inspections of the sanitary sewer system located in the Bolton community of Northwest Atlanta. The work site is centered around 2100 Spink Street, NW and the immediate vicinity as referenced in the Work Authorization document dated 27 July 1999.

ADS Environmental Services contracted with DSI Contracting to complete the CCTV inspections of sewers noted as phase 1 on Attachment B, to include manholes A through E on Perry Blvd., manholes K through C on Spink St., manholes A through G on Main St., manholes R through D of the Bolton Rd. Outfall, and manholes EE through AA and CC through A of the New School Extension adjacent to Perry Blvd (see attached map).

We have completed CCTV inspections of the above referenced lines with the exception of three line segments of the Bolton Rd Outfall (manholes A through D). We have, however, completed a visual inspection of manholes A through D to determine that there are no additional sewer lines entering these manholes. Due to the location and elevation of the outfall sewer in relation to the subject property, and due to the slope of the ground surface falling between the property and the outfall sewer, it does not appear that this section of the sewer system

could be contributing to any discharge at 2100 Spink Street. All other sewer lines noted in phase 1 of Attachment B have been recorded on video tape and reviewed.

During the course of the CCTV video and review, ADS Environmental Services and DSI Contracting did not find any additional sewer lines that were not indicated on the map provided by the City of Atlanta; nor did we discover any public or private sewers traversing the property located at 2100 Spink Street, NW.

Upon review of the CCTV video tapes and logs, we can conclude that:

- We have documented in the tapes and logs completed, each and every service connection and sewer connection found, and will do the same for those remaining, and

- The City of Atlanta sewers as delineated in Phase 1 of attachment B, are to the best of our knowledge and experience, not impacting or contributing to the discharge from 2100 Spink Street.

We have attached copies of the completed CCTV video tapes and logs for your records, and will provide the others upon their completion. If we can be of any further assistance in this matter, please do not hesitate to contact us.

Sincerely,
ADS Environmental Services

Michael J. Henry, P.E.
Project Manager

Cc: Geoffrey Nester
Jay Hereford II
Tom Haas

ADS

ENVIRONMENTAL SERVICES INC.

INTELLIGENTIA SUBTERRAE ADS

- Flow Monitoring
- I/I Reduction
- CSO/SSO Management
- Turn-Key Systems

ADS Orlando Office Fax (407) 422-3400
Phone (407) 422-2400
E Mail mike.henry@adsenv.com

RECEIVED

To: **Mr. John Griffin (404-658-7379)**

From: Mike Henry mgh

Date: **8/9/99**

Pages: **3** (including cover)

As requested, attached is a copy of the second letter to Mr. Koplon regarding the Spink Street and vicinty sewer investigation. I'll Fed Ex the original sealed copy tonight for tomorrow's delivery.

ADS
ENVIRONMENTAL SERVICES

9 August 1999

Mr. Norman A. Koplon, P.E.
Interim Commissioner
Department of Public Works
City of Atlanta
68 Mitchell St, SW
Suite 4700, City Hall – South
Atlanta, Ga. 30335-0324

Subject: WA # A9902 Sewer System Investigation
Spink Street, NW and Vicinity

Dear Mr. Koplon:

Since providing you with a certification letter dated 5 August, regarding the above referenced subject, we have been notified by our subcontractor, DSI Contracting, that they discovered additional sewer facilities which were not indicated on the map provided by the City of Atlanta.

The additional sewer facilities discovered include the following:

- From Manhole A on Main Street, an unmapped mainline extends in a southerly direction toward railroad property a distance of approximately 19.7 feet to a new manhole we are calling Manhole A1.
- A service line extends from the mainline between Manholes A and A1 to a residence at 2391 Cook Street. This service line was dye tested.
- A pipe also extends from Manhole A1 toward railroad property. This line was televised for a distance of approximately 30 feet, where we encountered a blockage that appears to be an abandoned cleaner hose. We could go no further. Visual inspection did not find an upstream manhole from this point. The line was dry, and therefore may be inactive.
- From Manhole B of the New School Extension adjacent to Perry Boulevard, an unmapped 6-inch active connection from one school building was found. This line was dye tested.
- From Manhole A of the New School Extension adjacent to Perry Boulevard, an unmapped 6-inch active connection from one school building was found. This line was dye tested.

CCTV video tape and log of the newly discovered mainline will be completed, reviewed, and delivered with the balance of the documentation referred to in our previous letter.

As the above mentioned facilities were missed, we have double-checked to assure there are no additional facilities not reported. Although we do not expect to find any additional unknown facilities, we will notify you immediately if any are found. Everything else in the 5 August certification letter remains as submitted.

Please accept our apology for this omission. We hope these corrections have been made prior to submission of the partial results of this study to any regulatory authorities.

We appreciate your understanding of this situation.

Sincerely,

Michael J. Henry, P.E.
Project Manager

Cc: Geoffrey Nester
Jay Hereford II
Tom Haas

ADS

Norfolk Southern Railway Company
125 Spring Street, S.W. - Box 136
Atlanta, Georgia 30303
Phone: 404/529-2109

August 6, 1999
File: 01-09-GA-ATL-03-WATER-GENERAL

Mr. Bruce Z. Rasheed, Reconnaissance Supervisor, Sr.
Waste Water Services
City of Atlanta Department of Public Works
360 Englewood Ave., S.E.
Atlanta, Georgia 30315

RE: Sewer Line Blockage
Atlanta, Inman Yard, Georgia

Dear Mr. Rasheed

This refers to our phone conversation this day concerning the referenced subject. Per your request a enclosed is a copy of the drawing (approximate scale: 1"= 200') showing the sewer line at the North End of Inman Yard.

Norfolk Southern Railway Company (NSRC) Bridge & Building Supervisor, G. T. Grant, found that our sewer drain was clogged in the vicinity of a sewer manhole located near a set of wooden steps leading down from the forwarding yard to the local yard. This section of sewer line serves two buildings at the North End of Inman Yard: the North Tower and the Switchmen's Wash & Locker Building. NSRC will shut down the water supply to each of these two buildings and provide portable toilets until the cause of the blockage can be corrected.

NSRC has contracted with Seagraves Enterprises, Inc. to investigate the cause of the blockage and recommend the necessary action to correct the problem. Seagrave will begin work Monday morning, August 9.

We will keep you appraised of our progress. Please contact Mr. Grant or Alvin Gregory, Bridge & Building Foreman, at (404) 582-6202 or (404) 582-3763, respectively to discuss our progress. You can reach me at (404) 529-2109 if I can provide any additional information.

J. M. Genoette, P.E.
Engineer Envir. Operations

Attachment
7460G127.966

EXHIBIT C

SURVEY BASE LINE
APPROX. LOCATION

Landmark
Equivalental
Point 1
Point 2
COOLIDGE NW
GRANDVIEW AVE NW
BROOKLAND DR NW
RUTH
EXHIBIT F

TABLE 1
LANDMARK ENVIRONMENTAL
DATA FROM EMERGENCY SAMPLES

Sample Date: 6/21/99				
	Sample Location Designation			
Analyte	IM-Emergency 1	IM-Emergency 2	IM-Emergency 3	Typical Stormwater Concentrations from Industrial Land Uses
COD (mg/L)	319	489	537	66
TKN (mg/L)	44.3	23.4	56.4	1.4
Total P (mg/L)	0.96	6.63	0.58	0.3
TSS (mg/L)	12	206	83	88
pH (std. units)	7.4	7.2	7.4	6.7
Fecal Coliform (MF/100 mL)	890	36,000	100	2,300
Aluminum (ug/L)	132	1,570	2,540	
Antimony (ug/L)	0	0	0	
Arsenic (ug/L)	12.8	5.54	20.4	
Beryllium (ug/L)	0	0	0	
Cadmium (ug/L)	0	0	0	6.06
Chromium (ug/L)	7.57	1.91	16.8	
Copper (ug/L)	23.7	31.7	104	16.7
Iron (ug/L)	3,99	4,400	2,100	
Lead (ug/L)	0	15.2	52.8	15.7
Manganese (ug/L)	2,360	674	6,060	
Nickel (ug/L)	26	35.4	95.4	
Selenium (ug/L)	4.82	1.62	0	
Silver (ug/L)	0	0	0	
Thallium (ug/L)	0	0	0	
Zinc (ug/L)	29.9	118	459	163

TABLE 2

CITY OF ATLANTA
ORGANIC LABORATORY
BNA, VOA AND PESTICIDES ANALYSIS DATA SHEET

Analyst :WADIE SHINATA
Instrument :GC/MSD-GC/ECD 1999
Sample Information :IM- IND.WASTE REP.165

Phenol	ND	ND	ND
bis(2-Chloroethyl)Ether	ND	ND	ND
2-Chlorophenol	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND
1,4-dichlorobenzene	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND
bis(2-chloroisopropyl)ether	ND	ND	ND
N-Nitroso-Di-n-propylamine	ND	ND	ND
Hexachloroethane	ND	ND	ND
Nitrobenzene	ND	ND	ND
Isophorone	ND	ND	ND
2-Nitrophenol	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND
Naphthalene	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND
Dimethylphthalate	ND	ND	ND

TABLE 2 (cont'd)

CITY OF ATLANTA

ORGANIC LABORATORY

BNA, VOA AND PESTICIDES ANALYSIS DATA SHEET

Acenaphthylene	ND		ND	ND
2,6-Dinitrotoluene	ND		ND	ND
Acenaphthene	ND		ND	ND
2,4-Dinitrophenol	ND		ND	ND
4-Nitrophenol	ND		ND	ND
2,4-Dinitrotoluene	ND		ND	ND
Diethylphthalate	ND		ND	ND
4-Chlorophenyl-phenylether	ND		ND	ND
Fluorene	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND		ND	ND
N-Nitrosodiphenylamine(1)	ND		ND	ND
4-Bromophenyl-phenylether	ND		ND	ND
Hexachlorobenzene	ND		ND	ND
Pentachlorophenol	ND		ND	ND
Phenanthrene	ND		ND	ND
Anthracene	ND		ND	ND
Di-n-butylphthalate	ND		ND	ND
Fluoranthene	ND		ND	ND
Pyrene	ND		ND	ND
Butylbenzylphthalate	ND		ND	ND
3,3'-Dichlorobenzidine	ND		ND	ND
Benzo(a)anthracene	ND		ND	ND
Chrysene	ND		ND	ND
bis(2-Ethylhexyl)phthalate	ND		ND	ND
Di-n-octylphthalate	ND		ND	ND
Benzo(b)fluoranthene	ND		ND	ND
Benzo(k)fluoranthene	ND		ND	ND

TABLE 2 (cont'd)
CITY OF ATLANTA
ORGANIC LABORATORY
BNA, VOA AND PESTICIDES ANALYSIS DATA SHEET

TABLE 2 (cont'd)

CITY OF ATLANTA

ORGANIC LABORATORY

BNA, VOA AND PESTICIDES ANALYSIS DATA SHEET

PCB-1248	ND		ND	ND
PCB-1260	ND		ND	ND
PCB-1016	ND		ND	ND
Chloromethane	ND		ND	ND
Bromomethane	ND		ND	ND
Vinyl Chloride	ND		ND	ND
Chloroethane	ND		ND	ND
Methylene Chloride	ND		ND	ND
1,1-Dichloroethene	ND		ND	ND
1,1-Dichloroethane	ND		ND	ND
1,2-Dichloroethene(total)	ND		ND	ND
Chloroform	ND		ND	ND
1,2-Dichloroethane	ND		ND	ND
1,1,1-Trichloroethane	ND		ND	ND
Carbon Tetrachloride	ND		ND	ND
Bromodichloromethane	ND		ND	ND
1,2-Dichloropropane	ND		ND	ND
cis-1,3-Dichloropropene	ND		ND	ND
Trichloroethene	ND		ND	ND
Dibromochloromethane	ND		ND	ND
1,1,2-Trichloroethane	ND		ND	ND
Benzene	ND		ND	ND
trans-1,3-Dichloropropene	ND		ND	ND
Bromoform	ND		ND	ND
Tetrachloroethene	ND		ND	ND
1,1,2,2-Tetrachloroethane	ND		ND	ND
Toluene	ND		ND	9.29
Chlorobenzene	ND		ND	ND
Ethylbenzene	ND		ND	ND
Acrolein	ND		ND	ND
Acrylonitrile	ND		ND	ND
2-Chloroethylvinyl Ether	ND		ND	ND

ND = NOT DETECTED

TABLE 3
RAINFALL DATA

Gage Location: Georgia Tech

Date	Total Rainfall (in)	Approximate Time of Rainfall	
14-Jun-99	0.74		
15-Jun-99	0.02		
16-Jun-99	0.56	4 am - 9 am	1 pm - 12 am
17-Jun-99	0.01	12 am - 1 am	
18-Jun-99	0.00		
19-Jun-99	0.00		
20-Jun-99	0.00		
21-Jun-99	0.00		

Appendix 11

Addendum
Table 1
Appendix II Water

Addendum
Figure 1
Surface & Ground Water Concentration Map

Addendum
Table 1
Biological

Addendum
Figure 1
Biological Results Map

Project Number 103 LandMark Resources, LLC 3/23/2010 Randy Meadows, PG

Addendum
Table 1 Appendix II Water
2100 Spink Street
Atlanta, Georgia

#	Sample ID	Matrix	Method Description	Sample Date	Analyte (Compound) > or = to Detection Limit	Result	Detection Limit	Unit
1	SW-6 (SW-UP-1)	Water	Appendix II Metals (6020A)	11/20/2009	Barium	0.3530	0.0200	mg/L
2	SW-6 (SW-UP-1)	Water	Appendix II Metals (6020A)	11/20/2009	Cadmium	0.0067	0.0050	mg/L
3	SW-6 (SW-UP-1)	Water	Appendix II Metals (6020A)	11/20/2009	Chromium	0.0302	0.0100	mg/L
4	SW-6 (SW-UP-1)	Water	Appendix II Metals (6020A)	11/20/2009	Copper	0.1420	0.0200	mg/L
5	SW-6 (SW-UP-1)	Water	Appendix II Metals (6020A)	11/20/2009	Lead	0.1990	0.0150	mg/L
6	SW-6 (SW-UP-1)	Water	Appendix II Metals (6020A)	11/20/2009	Nickel	0.0533	0.0200	mg/L
7	SW-6 (SW-UP-1)	Water	Appendix II Metals (6020A)	11/20/2009	Vanadium	0.0713	0.0200	mg/L
8	SW-6 (SW-UP-1)	Water	Appendix II Metals (6020A)	11/20/2009	Zinc	1.0000	0.0200	mg/L
9	SW-5	Water	Appendix II Metals (6020A)	11/20/2009	Barium	0.0713	0.0200	mg/L
10	SW-5	Water	Appendix II Metals (6020A)	11/20/2009	Zinc	0.0645	0.0200	mg/L

SW Surface Water

mg/l milligrams per liter

Map based on 2 ft surface contour interval - City of Atlanta -1991

Analyte (Compound) > or = to Detection Limit	Result	Detection Limit
Barium	0.0713	0.0200
Zinc	0.0645	0.0200

Analyte (Compound) > or = to Detection Limit	Result	Detection Limit
Barium	0.3530	0.0200
Cadmium	0.0067	0.0050
Chromium	0.0302	0.0100
Copper	0.1420	0.0200
Lead	0.1990	0.0150
Nickel	0.0533	0.0200
Vanadium	0.0713	0.0200
Zinc	1.0000	0.0200

Sampling Date: 11/20/2009

GW-1 Location ID

Ground Water

Surface Water

Reference: Table 2 Appendix II Water

Result Units = milligrams / liter
MCL = Maximum Contamination Level

Figure 1

Surface & Ground Water Constituent Concentration Map

Approx. 200 ft

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC 3/24/2010 Randy Meadows, PG

Project Number 103 LandMark Resources, LLC 3/23/2010 Randy Meadows, PG

Addendum
Table 1 Biological
2100 Spink Street
Atlanta, Georgia

#	Sample ID	Matrix	Date	Method Description	Analyte (Compound)	Result	Detection Limit	Unit
1	SW-6 (SW-UP-1)	Water	11/20/2009	E. Coli (SM9223B)	Coliform Fecal	310	10	#/100 ml
2	SW-6 (SW-UP-1)	Water	11/20/2009	F. Coliform(SM9222D)	Coliform Fecal	540	10	#/100 ml
3	SW-6 (SW-UP-1)	Water	11/20/2009	Enterolert	Enterococcus	410	20	#/100 ml
4	SW-5	Water	11/20/2009	E. Coli (SM9223B)	Coliform Fecal	40	10	#/100 ml
5	SW-5	Water	11/20/2009	F. Coliform(SM9222D)	Coliform Fecal	40	10	#/100 ml
6	SW-5	Water	11/20/2009	Enterolert	Enterococcus	6	10	#/100 ml

SW Surface Water

Map based on 2 ft surface contour interval - City of Atlanta -1991

SW-4 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	28
Single Fecal	F. Coliform (SM9222D)	440
Single Strep- W	Fecal Strep (SM9230C)	180
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	135
Single Strep- W	Fecal Strep (SM9230C)	100

SW-5 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	500
Single Fecal	F. Coliform (SM9222D)	700
Single Strep- W	Fecal Strep (SM9230C)	1,100
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	310
Single Strep- W	Fecal Strep (SM9230C)	1,080
11/20/2009		
Single E. Coli	E. Coli (SM9223B)	40
Single Fecal	F. Coliform (SM9222D)	40
Enterococcus	Enterolert	6

SW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	>20,000
Single Fecal	F. Coliform (SM9222D)	>50,000
Single Strep- W	Fecal Strep (SM9230C)	56,000
10/24/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	880
Single Strep- W	Fecal Strep (SM9230C)	2,100

GW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform (SM9222D)	10
Single Strep- W	Fecal Strep (SM9230C)	BQL
10/25/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	BQL
Single Strep- W	Fecal Strep (SM9230C)	BQL

SW-6 (SW-UP-1) 11/20/2009

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	310
Single Fecal	F. Coliform (SM9222D)	540
Enterococcus	Enterolert	410

GW-2 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform(SM9222D)	10
Single Strep- W	Fecal Strep (SM9230C)	BQL
10/26/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform(SM9222D)	82
Single Strep- W	Fecal Strep (SM9230C)	240

RW-1 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	BQL
Single Fecal	F. Coliform (SM9222D)	340
Single Strep- W	Fecal Strep (SM9230C)	55
10/26/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	2,400 E
Single Strep- W	Fecal Strep (SM9230C)	1,800 E

SW-2 10/13/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	20
Single Fecal	F. Coliform (SM9222D)	770
Single Strep- W	Fecal Strep (SM9230C)	55
10/24/2006		
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	380
Single Strep- W	Fecal Strep (SM9230C)	100

GW-1A 10/24/2006

Method	Method Description	Result
Single E. Coli	E. Coli (SM9223B)	***
Single Fecal	F. Coliform (SM9222D)	62,000
Single Strep- W	Fecal Strep (SM9230C)	**
12/7/2006		
Single E. Coli	E. Coli (MColiBlue24)	BQL
Single Fecal	F. Coliform (SM9222D)	3,000
Single Strep- W	Fecal Strep (SM9230C)	13,000

Ground Water

Surface Water

GW-1 **Sample ID**

10/13/2006 Sample Date

Reference: Table 1 Biological

Result Units = #/100 ml

*** Subcontractor laboratory did not have the required media in stock to perform this analysis

** There was insufficient sample to perform this analysis

BQL Below practical quantitation limit

E Estimated value: (I) sample received or analyzed beyond the accepted holding time; (ii) sample received at improper temperature; (iii) the continuing calibration for an analyte did not meet qc criteria

Figure 1

Biological Results Map

Approx. 200 ft

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC 3/24/2010 Randy Meadows, PG

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report

Prepared For:

LandMark Resources L.L.C.
1131 Princeton Walk NE
Marietta, GA 30068

Attention: Mr. Garey L. Simpson

Report Number: ASK0764
December 11, 2009
Project: 103 Georgia
Project #:103

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Approved:

Nicole Crump
Project Manager

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LandMark Resources L.L.C.
1131 Princeton Walk NE
Marietta GA, 30068
Attention: Mr. Garey L. Simpson

December 11, 2009

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-UP-1	ASK0764-01	Surface Water	11/20/09 12:00	11/20/09 14:15
SW-5	ASK0764-02	Surface Water	11/20/09 13:20	11/20/09 14:15

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LandMark Resources L.L.C.
1131 Princeton Walk NE
Marietta GA, 30068
Attention: Mr. Garey L. Simpson

December 11, 2009

Report No.: ASK0764
Client ID: SW-UP-1
Date/Time Sampled: 11/20/2009 12:00:00PM
Matrix: Surface Water

Project: 103 Georgia
Lab Number ID: ASK0764-01
Date/Time Received: 11/20/2009 2:15:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
General Chemistry										
Cyanide, Total	ND	0.02	mg/L	EPA 9010/9014		1	12/01/09 11:30	12/01/09 15:15	A911771	LPH
Specific Conductance	755	1	umhos/cm	SM 2510 B		1	11/24/09 13:30	11/24/09 13:57	A911760	EMR
Dissolved Oxygen	2	1	mg/L	SM 4500-O G	H-01	1	11/20/09 19:45	11/20/09 19:45	A911674	JCM
pH	7.13		pH Units	SM 4500-H+ B	H-01	1	11/23/09 15:25	11/23/09 15:25	A911676	MZF
Total Sulfide	ND	0.2	mg/L	SM 4500-S D		1	11/25/09 10:45	11/25/09 11:40	A911814	JAG
Turbidity	121	0.4	NTU	EPA 180.1		4	11/20/09 15:20	11/20/09 15:20	A911662	MZF
Microbiology										
E. coli *	310	10	MPN/100 mL	SM 9223 B		10	11/20/09 16:15	11/20/09 16:15	A912288	REB
Enterococcus *	410	20	CFU/100mL	Enterolert		20	11/20/09 16:15	11/20/09 16:15	A912287	REB
Fecal Coliforms	540	10	CFU/100mL	SM 9222 D		10	11/20/09 16:15	11/20/09 16:15	A912286	REB
Metals, Total										
Antimony	ND	0.0060	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Arsenic	ND	0.0100	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Barium	0.353	0.0200	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Beryllium	ND	0.0030	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Cadmium	0.0067	0.0050	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Chromium	0.0302	0.0100	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Cobalt	ND	0.0400	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Copper	0.142	0.0200	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Lead	0.199	0.0150	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Nickel	0.0533	0.0200	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Selenium	ND	0.0100	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Silver	ND	0.0100	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Thallium	ND	0.0020	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Tin	ND	1.00	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Vanadium	0.0713	0.0200	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Zinc	1.00	0.0200	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:11	A911723	CSW
Mercury	ND	0.0005	mg/L	EPA 7470A		1	11/30/09 10:35	11/30/09 16:06	A911794	CSW

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LandMark Resources L.L.C.
1131 Princeton Walk NE
Marietta GA, 30068
Attention: Mr. Garey L. Simpson

December 11, 2009

Report No.: ASK0764
Client ID: SW-UP-1
Date/Time Sampled: 11/20/2009 12:00:00PM
Matrix: Surface Water

Project: 103 Georgia
Lab Number ID: ASK0764-01
Date/Time Received: 11/20/2009 2:15:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Acetone	ND	100	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Acrolein	ND	50	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Acrylonitrile	ND	50	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Allyl Chloride (3-Chloropropylene)	ND	5.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Benzene	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Bromochloromethane	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Bromodichloromethane	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Bromoform	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Bromomethane	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Carbon Disulfide	ND	5.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Carbon Tetrachloride	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Chlorobenzene	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Chloroethane	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Chloroform	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Chloromethane	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Dibromochloromethane	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Dibromomethane	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,2-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,3-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,4-Dichlorobenzene	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
trans-1,4-Dichloro-2-butene	ND	100	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Dichlorodifluoromethane	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,1-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,2-Dichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,1-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
cis-1,2-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
trans-1,2-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,2-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,3-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
2,2-Dichloropropane	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,1-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
cis-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
trans-1,3-Dichloropropene	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Ethyl Methacrylate	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Iodomethane	ND	100	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN

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Date/Time Sampled: 11/20/2009 12:00:00PM
Matrix: Surface Water

Project: 103 Georgia
Lab Number ID: ASK0764-01
Date/Time Received: 11/20/2009 2:15:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Methacrylonitrile	ND	100	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Methyl Butyl Ketone (2-Hexanone)	ND	50	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Methylene Chloride	ND	5.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Methyl Methacrylate	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Propionitrile (Ethyl Cyanide)	ND	100	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Styrene	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Tetrachloroethene	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Toluene	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,1,2-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Trichloroethene	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Trichlorofluoromethane	ND	10	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
1,2,3-Trichloropropane	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Vinyl Acetate	ND	100	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Acetonitrile	ND	50	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Chloroprene (2-Chloro-1,3-butadiene)	ND	5.0	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Isobutyl Alcohol	ND	100	ug/L	EPA 8260B		1	11/24/09 14:30	11/24/09 15:57	A911759	GN
Surrogate: Dibromofluoromethane	*92 %*	*85-116*		*EPA 8260B*			*11/24/09 14:30*	*11/24/09 15:57*	*A911759*	
Surrogate: 1,2-Dichloroethane-d4	*88 %*	*78-125*		*EPA 8260B*			*11/24/09 14:30*	*11/24/09 15:57*	*A911759*	
Surrogate: Toluene-d8	*97 %*	*87-113*		*EPA 8260B*			*11/24/09 14:30*	*11/24/09 15:57*	*A911759*	
Surrogate: 4-Bromofluorobenzene	*95 %*	*87-123*		*EPA 8260B*			*11/24/09 14:30*	*11/24/09 15:57*	*A911759*	

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LandMark Resources L.L.C.
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Attention: Mr. Garey L. Simpson

December 11, 2009

Report No.: ASK0764
Client ID: SW-UP-1
Date/Time Sampled: 11/20/2009 12:00:00PM
Matrix: Surface Water

Project: 103 Georgia
Lab Number ID: ASK0764-01
Date/Time Received: 11/20/2009 2:15:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
EDB/DBCP by EPA 8011										
1,2-Dibromo-3-chloropropane	ND	0.2	ug/L	EPA 8011		1	11/25/09 13:09	11/26/09 4:12	A911803	JRS
1,2-Dibromoethane	ND	0.05	ug/L	EPA 8011		1	11/25/09 13:09	11/26/09 4:12	A911803	JRS
Surrogate: Decachlorobiphenyl	*48 %*	*10-184*		*EPA 8011*			*11/25/09 13:09*	*11/26/09 4:12*	*A911803*	

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December 11, 2009

Report No.: ASK0764
Client ID: SW-5
Date/Time Sampled: 11/20/2009 1:20:00PM
Matrix: Surface Water

Project: 103 Georgia
Lab Number ID: ASK0764-02
Date/Time Received: 11/20/2009 2:15:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Microbiology										
E. coli *	40	10	MPN/100 mL	SM 9223 B		10	11/20/09 16:15	11/20/09 16:15	A912288	REB
Enterococcus *	6.0	1.0	CFU/100mL	Enterolert		1	11/20/09 16:15	11/20/09 16:15	A912287	REB
Fecal Coliforms	40	10	CFU/100mL	SM 9222 D		10	11/20/09 16:15	11/20/09 16:15	A912286	REB
Metals, Total										
Antimony	ND	0.0060	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Arsenic	ND	0.0100	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Barium	0.0713	0.0200	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Beryllium	ND	0.0030	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Cadmium	ND	0.0050	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Chromium	ND	0.0100	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Cobalt	ND	0.0400	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Copper	ND	0.0200	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Lead	ND	0.0150	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Nickel	ND	0.0200	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Selenium	ND	0.0100	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Silver	ND	0.0100	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Thallium	ND	0.0020	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Tin	ND	1.00	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Vanadium	ND	0.0200	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Zinc	0.0645	0.0200	mg/L	EPA 6020A		1	11/24/09 9:00	11/24/09 21:19	A911723	CSW
Mercury	ND	0.0005	mg/L	EPA 7470A		1	11/30/09 10:35	11/30/09 16:08	A911794	CSW

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Report No.: ASK0764

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911662 - EPA 180.1										
Blank (A911662-BLK1)					Prepared & Analyzed: 11/20/09					
Turbidity	ND	0.1	NTU							
Duplicate (A911662-DUP1)		**Source: ASK0704-01**			Prepared & Analyzed: 11/20/09					
Turbidity	0.2	0.1	NTU		0.1			5.26	5	QR-03
Batch A911674 - SM 4500-O G										
Duplicate (A911674-DUP1)		**Source: ASK0764-01**			Prepared & Analyzed: 11/20/09					
Dissolved Oxygen	2	1	mg/L		2			0	10	
Batch A911676 - SM 4500-H+ B										
LCS (A911676-BS1)					Prepared & Analyzed: 11/23/09					
pH	9.17		pH Units	9.1000		101	95-105			
Duplicate (A911676-DUP1)		**Source: ASK0703-01**			Prepared & Analyzed: 11/23/09					
pH	6.69		pH Units		6.76			1	5	
Duplicate (A911676-DUP2)		**Source: ASK0764-01**			Prepared & Analyzed: 11/23/09					
pH	7.12		pH Units		7.13			0.1	5	
Batch A911760 - SM 2510 B										
Blank (A911760-BLK1)					Prepared & Analyzed: 11/24/09					
Specific Conductance	ND	1	umhos/cm							

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General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911760 - SM 2510 B										
LCS (A911760-BS1)						Prepared & Analyzed: 11/24/09				
Specific Conductance	1450	1	umhos/cm	1413.0		103	90-110			
Duplicate (A911760-DUP1)		**Source: ASK0764-01**				Prepared & Analyzed: 11/24/09				
Specific Conductance	754	1	umhos/cm		755			0.1	10	
Batch A911771 - EPA 9010										
Blank (A911771-BLK1)						Prepared: 12/01/08 Analyzed: 12/01/09				
Cyanide, Total	ND	0.02	mg/L							
LCS (A911771-BS1)						Prepared: 12/01/08 Analyzed: 12/01/09				
Cyanide, Total	0.21	0.02	mg/L	0.20000		105	85-115			
Matrix Spike (A911771-MS1)		**Source: ASK0740-04**				Prepared: 12/01/08 Analyzed: 12/01/09				
Cyanide, Total	0.18	0.02	mg/L	0.20000	ND	92	57-130			
Matrix Spike Dup (A911771-MSD1)		**Source: ASK0740-04**				Prepared: 12/01/08 Analyzed: 12/01/09				
Cyanide, Total	0.19	0.02	mg/L	0.20000	ND	95	57-130	3	33	
Batch A911814 - SM 4500-S D										
Blank (A911814-BLK1)						Prepared & Analyzed: 11/25/09				
Total Sulfide	ND	0.1	mg/L							
LCS (A911814-BS1)						Prepared & Analyzed: 11/25/09				
Total Sulfide	0.308	0.1	mg/L	0.31096		99.0	34-130			

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General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911814 - SM 4500-S D										
Matrix Spike (A911814-MS1)		**Source: ASK0768-24**			Prepared & Analyzed: 11/25/09					
Total Sulfide	0.307	0.1	mg/L	0.31096	ND	98.7	33-126			
Matrix Spike Dup (A911814-MSD1)		**Source: ASK0768-24**			Prepared & Analyzed: 11/25/09					
Total Sulfide	0.302	0.1	mg/L	0.31096	ND	97.1	33-126	1.64	9	

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Report No.: ASK0764

Microbiology - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A912286 - SM 9222 D										
Blank (A912286-BLK1)					Prepared & Analyzed: 11/20/09					
Fecal Coliforms	ND	1.0	CFU/100mL							
Duplicate (A912286-DUP1)		**Source: ASK0764-01**			Prepared & Analyzed: 11/20/09					
Fecal Coliforms	500	10	CFU/100mL		540			8	25	
Batch A912287 - NO PREP - Micro										
Blank (A912287-BLK1)					Prepared & Analyzed: 11/20/09					
Enterococcus	ND	1.0	CFU/100mL							
Duplicate (A912287-DUP1)		**Source: ASK0764-01**			Prepared & Analyzed: 11/20/09					
Enterococcus	410	20	CFU/100mL		410			0.00	200	
Batch A912288 - SM 9223 B										
Blank (A912288-BLK1)					Prepared & Analyzed: 11/20/09					
E. coli	ND	1.0	MPN/100 mL							
Duplicate (A912288-DUP1)		**Source: ASK0764-01**			Prepared & Analyzed: 11/20/09					
E. coli	310	10	MPN/100 mL		310			0.00	200	

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Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911723 - EPA 3005A										
Blank (A911723-BLK1)						Prepared & Analyzed: 11/24/09				
Antimony	ND	0.0060	mg/L							
Arsenic	ND	0.0100	mg/L							
Barium	ND	0.0200	mg/L							
Beryllium	ND	0.0030	mg/L							
Cadmium	ND	0.0050	mg/L							
Chromium	ND	0.0100	mg/L							
Cobalt	ND	0.0400	mg/L							
Copper	ND	0.0200	mg/L							
Lead	ND	0.0150	mg/L							
Nickel	ND	0.0200	mg/L							
Selenium	ND	0.0100	mg/L							
Silver	ND	0.0100	mg/L							
Thallium	ND	0.0020	mg/L							
Tin	ND	1.00	mg/L							
Vanadium	ND	0.0200	mg/L							
Zinc	ND	0.0200	mg/L							
LCS (A911723-BS1)						Prepared & Analyzed: 11/24/09				
Antimony	0.0995	0.0060	mg/L	0.10000		100	80-120			
Arsenic	0.103	0.0100	mg/L	0.10000		103	80-120			
Barium	0.101	0.0200	mg/L	0.10000		101	80-120			
Beryllium	0.0980	0.0030	mg/L	0.10000		98	80-120			
Cadmium	0.0982	0.0050	mg/L	0.10000		98	80-120			
Chromium	0.105	0.0100	mg/L	0.10000		105	80-120			
Cobalt	0.102	0.0400	mg/L	0.10000		102	80-120			
Copper	0.101	0.0200	mg/L	0.10000		101	80-120			
Lead	0.0975	0.0150	mg/L	0.10000		98	80-120			
Nickel	0.101	0.0200	mg/L	0.10000		101	80-120			
Selenium	0.105	0.0100	mg/L	0.10000		105	80-120			
Silver	0.0934	0.0100	mg/L	0.10000		93	80-120			
Thallium	0.0972	0.0020	mg/L	0.10000		97	80-120			
Tin	0.0973	1.00	mg/L	0.10000		97	80-120			
Vanadium	0.113	0.0200	mg/L	0.10000		113	80-120			
Zinc	0.107	0.0200	mg/L	0.10000		107	80-120			

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Report No.: ASK0764

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911723 - EPA 3005A										
Matrix Spike (A911723-MS1)		**Source: ASK0576-25**			Prepared & Analyzed: 11/24/09					
Antimony	0.103	0.0060	mg/L	0.10000	ND	103	75-125			
Arsenic	0.103	0.0100	mg/L	0.10000	ND	103	75-125			
Barium	0.128	0.0200	mg/L	0.10000	0.0270	101	75-125			
Beryllium	0.101	0.0030	mg/L	0.10000	ND	101	75-125			
Cadmium	0.0985	0.0050	mg/L	0.10000	ND	99	75-125			
Chromium	0.101	0.0100	mg/L	0.10000	ND	101	75-125			
Cobalt	0.101	0.0400	mg/L	0.10000	0.0006	101	75-125			
Copper	0.0995	0.0200	mg/L	0.10000	ND	100	75-125			
Lead	0.101	0.0150	mg/L	0.10000	ND	101	75-125			
Nickel	0.0995	0.0200	mg/L	0.10000	0.0004	99	75-125			
Selenium	0.0978	0.0100	mg/L	0.10000	ND	98	75-125			
Silver	0.0954	0.0100	mg/L	0.10000	ND	95	75-125			
Thallium	0.100	0.0020	mg/L	0.10000	ND	100	75-125			
Tin	0.103	1.00	mg/L	0.10000	ND	103	75-125			
Vanadium	0.107	0.0200	mg/L	0.10000	0.0082	99	75-125			
Zinc	0.115	0.0200	mg/L	0.10000	0.0172	98	75-125			
Matrix Spike Dup (A911723-MSD1)		**Source: ASK0576-25**			Prepared & Analyzed: 11/24/09					
Antimony	0.100	0.0060	mg/L	0.10000	ND	100	75-125	3	20	
Arsenic	0.102	0.0100	mg/L	0.10000	ND	102	75-125	0.2	20	
Barium	0.127	0.0200	mg/L	0.10000	0.0270	99	75-125	0.8	20	
Beryllium	0.0964	0.0030	mg/L	0.10000	ND	96	75-125	4	20	
Cadmium	0.0977	0.0050	mg/L	0.10000	ND	98	75-125	0.9	20	
Chromium	0.100	0.0100	mg/L	0.10000	ND	100	75-125	1	20	
Cobalt	0.100	0.0400	mg/L	0.10000	0.0006	100	75-125	1	20	
Copper	0.101	0.0200	mg/L	0.10000	ND	101	75-125	2	20	
Lead	0.0998	0.0150	mg/L	0.10000	ND	100	75-125	1	20	
Nickel	0.0998	0.0200	mg/L	0.10000	0.0004	99	75-125	0.3	20	
Selenium	0.100	0.0100	mg/L	0.10000	ND	100	75-125	2	20	
Silver	0.0942	0.0100	mg/L	0.10000	ND	94	75-125	1	20	
Thallium	0.0981	0.0020	mg/L	0.10000	ND	98	75-125	2	20	
Tin	0.0989	1.00	mg/L	0.10000	ND	99	75-125	4	20	
Vanadium	0.108	0.0200	mg/L	0.10000	0.0082	100	75-125	0.5	20	
Zinc	0.118	0.0200	mg/L	0.10000	0.0172	101	75-125	2	20	

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Report No.: ASK0764

Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911723 - EPA 3005A										
Post Spike (A911723-PS1)		**Source: ASK0576-25**			Prepared & Analyzed: 11/24/09					
Antimony	94.6		ug/L	100.00	0.0800	95	80-120			
Arsenic	103		ug/L	100.00	0.560	102	80-120			
Barium	127		ug/L	100.00	27.0	100	80-120			
Beryllium	97.3		ug/L	100.00	-0.0200	97	80-120			
Cadmium	97.2		ug/L	100.00	-0.0100	97	80-120			
Chromium	99.6		ug/L	100.00	0.0100	100	80-120			
Cobalt	100		ug/L	100.00	0.600	100	80-120			
Copper	101		ug/L	100.00	0.570	100	80-120			
Lead	99.4		ug/L	100.00	0.120	99	80-120			
Nickel	100		ug/L	100.00	0.430	100	80-120			
Selenium	103		ug/L	100.00	-0.190	103	80-120			
Silver	92.5		ug/L	100.00	-0.0100	93	80-120			
Thallium	99.1		ug/L	100.00	0.0100	99	80-120			
Tin	98.1		ug/L	100.00	0.0200	98	80-120			
Vanadium	107		ug/L	100.00	8.18	99	80-120			
Zinc	118		ug/L	100.00	17.2	100	80-120			
Batch A911794 - EPA 7470A										
Blank (A911794-BLK1)						Prepared & Analyzed: 11/30/09				
Mercury	ND	0.0005	mg/L							
LCS (A911794-BS1)						Prepared & Analyzed: 11/30/09				
Mercury	0.0024	0.0005	mg/L	2.5000E-3		96	80-120			
Duplicate (A911794-DUP1)		**Source: ASK0740-08RE1**			Prepared & Analyzed: 11/30/09					
Mercury	0.0031	0.0005	mg/L		0.0031			1	20	

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Metals, Total - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911794 - EPA 7470A										
Matrix Spike (A911794-MS1)		**Source: ASK0763-15**			Prepared & Analyzed: 11/30/09					
Mercury	0.0023	0.0005	mg/L	2.5000E-3	ND	92	75-125			
Matrix Spike Dup (A911794-MSD1)		**Source: ASK0763-15**			Prepared & Analyzed: 11/30/09					
Mercury	0.0022	0.0005	mg/L	2.5000E-3	ND	89	75-125	3	20	
Post Spike (A911794-PS1)		**Source: ASK0763-15**			Prepared & Analyzed: 11/30/09					
Mercury	1.63		ug/L	1.6667	-0.0398	100	80-120			

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Report No.: ASK0764

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911759 - EPA 5030B										
Blank (A911759-BLK1)				Prepared & Analyzed: 11/24/09						
Acetone	ND	100	ug/L							
Acrolein	ND	50	ug/L							
Acrylonitrile	ND	50	ug/L							
Allyl Chloride (3-Chloropropylene)	ND	5.0	ug/L							
Benzene	ND	2.0	ug/L							
Bromochloromethane	ND	10	ug/L							
Bromodichloromethane	ND	10	ug/L							
Bromoform	ND	10	ug/L							
Bromomethane	ND	10	ug/L							
Carbon Disulfide	ND	5.0	ug/L							
Carbon Tetrachloride	ND	2.0	ug/L							
Chlorobenzene	ND	10	ug/L							
Chloroethane	ND	2.0	ug/L							
Chloroform	ND	2.0	ug/L							
Chloromethane	ND	10	ug/L							
Dibromochloromethane	ND	10	ug/L							
Dibromomethane	ND	10	ug/L							
1,2-Dichlorobenzene	ND	10	ug/L							
1,3-Dichlorobenzene	ND	10	ug/L							
1,4-Dichlorobenzene	ND	10	ug/L							
trans-1,4-Dichloro-2-butene	ND	100	ug/L							
Dichlorodifluoromethane	ND	10	ug/L							
1,1-Dichloroethane	ND	2.0	ug/L							
1,2-Dichloroethane	ND	2.0	ug/L							
1,1-Dichloroethene	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	2.0	ug/L							
trans-1,2-Dichloroethene	ND	2.0	ug/L							
1,2-Dichloropropane	ND	2.0	ug/L							
1,3-Dichloropropane	ND	2.0	ug/L							
2,2-Dichloropropane	ND	2.0	ug/L							
1,1-Dichloropropene	ND	2.0	ug/L							
cis-1,3-Dichloropropene	ND	2.0	ug/L							
trans-1,3-Dichloropropene	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Ethyl Methacrylate	ND	10	ug/L							
Iodomethane	ND	100	ug/L							
Methacrylonitrile	ND	100	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	50	ug/L							
Methylene Chloride	ND	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
Methyl Methacrylate	ND	10	ug/L							

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

LandMark Resources L.L.C.
1131 Princeton Walk NE
Marietta GA, 30068
Attention: Mr. Garey L. Simpson

December 11, 2009

Report No.: ASK0764

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911759 - EPA 5030B										
Blank (A911759-BLK1)					Prepared & Analyzed: 11/24/09					
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L							
Propionitrile (Ethyl Cyanide)	ND	100	ug/L							
Styrene	ND	10	ug/L							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L							
Tetrachloroethene	ND	2.0	ug/L							
Toluene	ND	2.0	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
1,1,2-Trichloroethane	ND	2.0	ug/L							
Trichloroethene	ND	2.0	ug/L							
Trichlorofluoromethane	ND	10	ug/L							
1,2,3-Trichloropropane	ND	2.0	ug/L							
Vinyl Acetate	ND	100	ug/L							
Vinyl Chloride	ND	2.0	ug/L							
Xylenes, total	ND	5.0	ug/L							
Acetonitrile	ND	50	ug/L							
Chloroprene (2-Chloro-1,3-butadiene)	ND	5.0	ug/L							
Isobutyl Alcohol	ND	100	ug/L							
Surrogate: Dibromofluoromethane	*45*		*ug/L*	*50.000*		*91*	*85-116*			
Surrogate: 1,2-Dichloroethane-d4	*45*		*ug/L*	*50.000*		*89*	*78-125*			
Surrogate: Toluene-d8	*49*		*ug/L*	*50.000*		*98*	*87-113*			
Surrogate: 4-Bromofluorobenzene	*48*		*ug/L*	*50.000*		*97*	*87-123*			
Blank (A911759-BLK2)					Prepared & Analyzed: 11/25/09					
Acetone	ND	100	ug/L							
Acrolein	ND	50	ug/L							
Acrylonitrile	ND	50	ug/L							
Allyl Chloride (3-Chloropropylene)	ND	5.0	ug/L							
Benzene	ND	2.0	ug/L							
Bromochloromethane	ND	10	ug/L							
Bromodichloromethane	ND	10	ug/L							
Bromoform	ND	10	ug/L							
Bromomethane	ND	10	ug/L							
Carbon Disulfide	ND	5.0	ug/L							
Carbon Tetrachloride	ND	2.0	ug/L							
Chlorobenzene	ND	10	ug/L							
Chloroethane	ND	2.0	ug/L							
Chloroform	ND	2.0	ug/L							
Chloromethane	ND	10	ug/L							
Dibromochloromethane	ND	10	ug/L							
Dibromomethane	ND	10	ug/L							
1,2-Dichlorobenzene	ND	10	ug/L							

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Marietta GA, 30068
Attention: Mr. Garey L. Simpson

December 11, 2009

Report No.: ASK0764

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911759 - EPA 5030B										
Blank (A911759-BLK2)				Prepared & Analyzed: 11/25/09						
1,3-Dichlorobenzene	ND	10	ug/L							
1,4-Dichlorobenzene	ND	10	ug/L							
trans-1,4-Dichloro-2-butene	ND	100	ug/L							
Dichlorodifluoromethane	ND	10	ug/L							
1,1-Dichloroethane	ND	2.0	ug/L							
1,2-Dichloroethane	ND	2.0	ug/L							
1,1-Dichloroethene	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	2.0	ug/L							
trans-1,2-Dichloroethene	ND	2.0	ug/L							
1,2-Dichloropropane	ND	2.0	ug/L							
1,3-Dichloropropane	ND	2.0	ug/L							
2,2-Dichloropropane	ND	2.0	ug/L							
1,1-Dichloropropene	ND	2.0	ug/L							
cis-1,3-Dichloropropene	ND	2.0	ug/L							
trans-1,3-Dichloropropene	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Ethyl Methacrylate	ND	10	ug/L							
Iodomethane	ND	100	ug/L							
Methacrylonitrile	ND	100	ug/L							
Methyl Butyl Ketone (2-Hexanone)	ND	50	ug/L							
Methylene Chloride	ND	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
Methyl Methacrylate	ND	10	ug/L							
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L							
Propionitrile (Ethyl Cyanide)	ND	100	ug/L							
Styrene	ND	10	ug/L							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L							
Tetrachloroethene	ND	2.0	ug/L							
Toluene	ND	2.0	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
1,1,2-Trichloroethane	ND	2.0	ug/L							
Trichloroethene	ND	2.0	ug/L							
Trichlorofluoromethane	ND	10	ug/L							
1,2,3-Trichloropropane	ND	2.0	ug/L							
Vinyl Acetate	ND	100	ug/L							
Vinyl Chloride	ND	2.0	ug/L							
Xylenes, total	ND	5.0	ug/L							
Acetonitrile	ND	50	ug/L							
Chloroprene (2-Chloro-1,3-butadiene)	ND	5.0	ug/L							
Isobutyl Alcohol	ND	100	ug/L							

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Attention: Mr. Garey L. Simpson

December 11, 2009

Report No.: ASK0764

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911759 - EPA 5030B										
Blank (A911759-BLK2)						Prepared & Analyzed: 11/25/09				
Surrogate: Dibromofluoromethane	*47*		*ug/L*	*50.000*		*94*	*85-116*			
Surrogate: 1,2-Dichloroethane-d4	*45*		*ug/L*	*50.000*		*90*	*78-125*			
Surrogate: Toluene-d8	*48*		*ug/L*	*50.000*		*96*	*87-113*			
Surrogate: 4-Bromofluorobenzene	*48*		*ug/L*	*50.000*		*95*	*87-123*			
LCS (A911759-BS1)						Prepared & Analyzed: 11/24/09				
Benzene	43		ug/L	50.000		87	80-119			
Chlorobenzene	47		ug/L	50.000		94	83-111			
1,1-Dichloroethene	45		ug/L	50.000		89	77-121			
Toluene	45		ug/L	50.000		89	78-113			
Trichloroethene	47		ug/L	50.000		94	82-122			
Surrogate: Dibromofluoromethane	*45*		*ug/L*	*50.000*		*90*	*85-116*			
Surrogate: 1,2-Dichloroethane-d4	*43*		*ug/L*	*50.000*		*86*	*78-125*			
Surrogate: Toluene-d8	*48*		*ug/L*	*50.000*		*96*	*87-113*			
Surrogate: 4-Bromofluorobenzene	*48*		*ug/L*	*50.000*		*95*	*87-123*			
Matrix Spike (A911759-MS1)	**Source: ASK0731-05**					Prepared & Analyzed: 11/24/09				
Benzene	44		ug/L	50.000	0.04	88	82-123			
Chlorobenzene	47		ug/L	50.000	ND	94	75-119			
1,1-Dichloroethene	46		ug/L	50.000	ND	91	79-119			
Toluene	45		ug/L	50.000	0.08	91	80-114			
Trichloroethene	47		ug/L	50.000	0.07	94	81-125			
Surrogate: Dibromofluoromethane	*46*		*ug/L*	*50.000*		*91*	*85-116*			
Surrogate: 1,2-Dichloroethane-d4	*44*		*ug/L*	*50.000*		*87*	*78-125*			
Surrogate: Toluene-d8	*49*		*ug/L*	*50.000*		*97*	*87-113*			
Surrogate: 4-Bromofluorobenzene	*49*		*ug/L*	*50.000*		*97*	*87-123*			
Matrix Spike Dup (A911759-MSD1)	**Source: ASK0731-05**					Prepared & Analyzed: 11/24/09				
Benzene	46		ug/L	50.000	0.04	91	82-123	4	9	
Chlorobenzene	48		ug/L	50.000	ND	95	75-119	1	13	
1,1-Dichloroethene	48		ug/L	50.000	ND	97	79-119	6	9	
Toluene	46		ug/L	50.000	0.08	92	80-114	1	9	
Trichloroethene	46		ug/L	50.000	0.07	92	81-125	1	11	
Surrogate: Dibromofluoromethane	*45*		*ug/L*	*50.000*		*91*	*85-116*			
Surrogate: 1,2-Dichloroethane-d4	*46*		*ug/L*	*50.000*		*91*	*78-125*			
Surrogate: Toluene-d8	*49*		*ug/L*	*50.000*		*98*	*87-113*			
Surrogate: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*101*	*87-123*			

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LandMark Resources L.L.C.
1131 Princeton Walk NE
Marietta GA, 30068
Attention: Mr. Garey L. Simpson

December 11, 2009

Report No.: ASK0764

EDB/DBCP by EPA 8011 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch A911803 - EPA 8011										
Blank (A911803-BLK1)						Prepared & Analyzed: 11/25/09				
1,2-Dibromo-3-chloropropane	ND	0.2	ug/L							
1,2-Dibromoethane	ND	0.05	ug/L							
Surrogate: Decachlorobiphenyl	*113*		*ug/L*	*250.00*		*45*	*10-184*			
LCS (A911803-BS1)						Prepared & Analyzed: 11/25/09				
1,2-Dibromo-3-chloropropane	0.21	0.2	ug/L	0.25000		86	60-140			
1,2-Dibromoethane	0.22	0.05	ug/L	0.25000		88	60-140			
Surrogate: Decachlorobiphenyl	*109*		*ug/L*	*250.00*		*44*	*10-184*			
Matrix Spike (A911803-MS1)	**Source: ASK0740-04**					Prepared & Analyzed: 11/25/09				
1,2-Dibromo-3-chloropropane	0.20	0.2	ug/L	0.25000	ND	81	29-142			
1,2-Dibromoethane	0.21	0.05	ug/L	0.25000	ND	83	49-123			
Surrogate: Decachlorobiphenyl	*114*		*ug/L*	*250.00*		*45*	*10-184*			
Matrix Spike Dup (A911803-MSD1)	**Source: ASK0740-04**					Prepared & Analyzed: 11/25/09				
1,2-Dibromo-3-chloropropane	0.25	0.2	ug/L	0.25000	ND	100	29-142	21	38	
1,2-Dibromoethane	0.21	0.05	ug/L	0.25000	ND	84	49-123	0.6	40	
Surrogate: Decachlorobiphenyl	*113*		*ug/L*	*250.00*		*45*	*10-184*			

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Attention: Mr. Garey L. Simpson

December 11, 2009

Laboratory Certifications

Code	Description	Number	Expires
NC	North Carolina	381	12/31/2009
NELAC	NELAC (Drinking Water, Non-Potable Water, Solids)	E87315	06/30/2010
SC	South Carolina	98011001	06/30/2010

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December 11, 2009

Legend

Definition of Laboratory Terms

ND - None Detected at the Reporting Limit
TIC - Tentatively Identified Compound
CFU - Colony Forming Units
SOP - Method run per ASI Standard Operating Procedure
RL - Reporting Limit
DF - Dilution Factor
***** - Analyte not included in the NELAC list of certified analytes.

Sample Information

N-Nitrosodiphenylamine breaks down to diphenylamine in the GCMS; both analytes are reported as N-Nitrososdiphenylamine. ASI is not NELAC certified for diphenylamine.

Phthalic acid and phthalic anhydride are reported as dimethyl phthalate

Maleic acid and maleic anhydride are reported as dimethyl malate

1,2-Diphenylhydrazine breaks down to azobenzene in the GCMS; both analytes are reported as azobenzene

Definition of Qualifiers

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to suspected matrix interference and/or non-homogeneous sample matrix.

H-01 Sample was received outside of the EPA recommended holding time or was received with insufficient time to run sample within the EPA recommended holding time.

Note: Unless otherwise noted, all results are reported on an as received basis.

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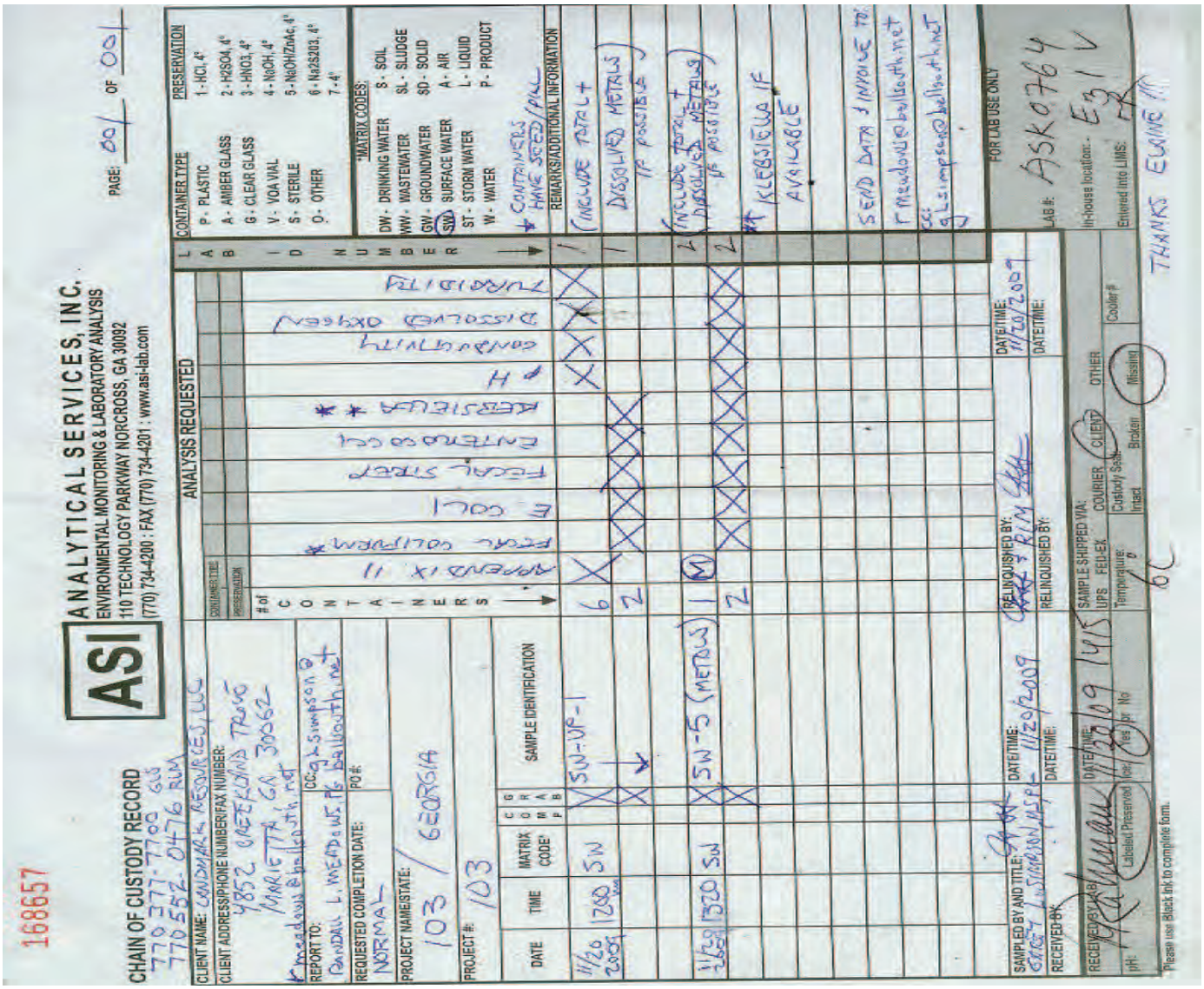
Attention: Mr. Garey L. Simpson

December 11, 2009



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LOG-IN CHECKLIST **Printed: 12/11/2009 1:55:17PM**

Attn: Mr. Garey L. Simpson

Client: LandMark Resources L.L.C.
Project: 103 Georgia
Date Received: 11/20/09 14:15

Work Order: ASK0764
Logged In By: Mohammad M. Rahman

OBSERVATIONS

#Samples: 2 **#Containers:** 11

Minimum Temp(C): 6.0 **Maximum Temp(C):** 6.0 **Custody Seal(s) Used:** No

CHECKLIST ITEMS

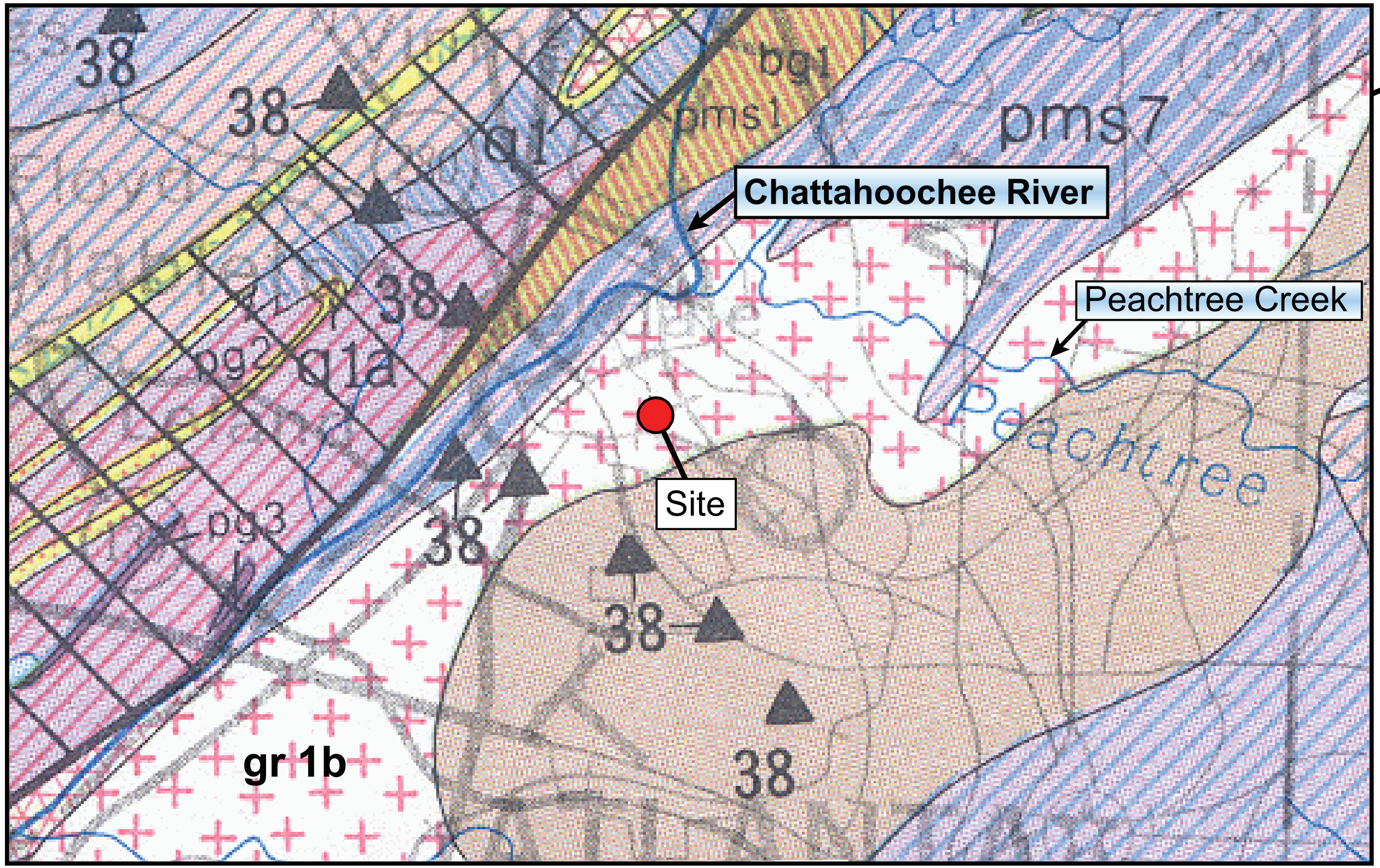
COC included with Samples	YES
Sample Container(s) Intact	YES
Chain of Custody Complete	YES
Sample Container(s) Match COC	YES
Custody seal Intact	NO
Temperature in Compliance	YES
Sufficient Sample Volume for Analysis	YES
Zero Headspace Maintained for VOA Analyses	YES
Samples labeled preserved (If Applicable)	YES
Samples received within Allowable Hold Times	NO
Samples Received on Ice	YES
Preservation Confirmed	YES

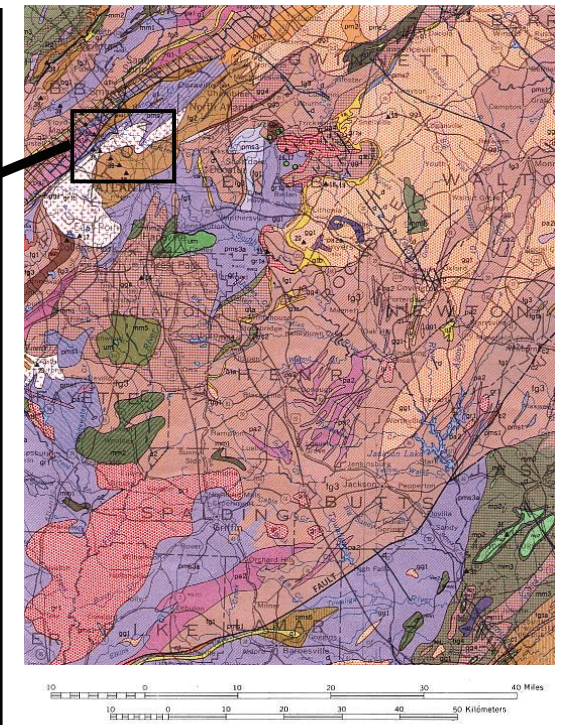
Comments:

The pH and DO were received out of hold. MMR

Appendix 12

Addendum
Geologic Map of Georgia
1976, Georgia
Geologic Survey,
Atlanta Area
Piedmont





Geologic Map of Georgia 1976, Georgia Geologic Survey, Atlanta Area Piedmont

N

gr 1b

Porphyritic Granite: Granite containing feldspar in distinct crystals. The feldspars are four distinct groups: Potassium feldspars ($KAlSi_3O_8$); sodium feldspars ($NaAlSi_3O_8$); calcium feldspars ($CaAl_2Si_2O_8$); barium feldspars ($BaAl_2Si_2O_8$). It is not unusual for lead to be associated due to uranium-238 (U-238), which decays through a series of steps and eventually becomes lead, Pb-206 and/or hydrothermal means.

Figure

2100 Spink Street Site HSI#10443

Project Number 103 LandMark Resources, LLC *1/07/07* *Randy Meadows, PG*

Appendix 13

Addendum
Property Description & Tax Plat

from Mindis Lease

ALL that tract or parcel of land lying and being in Land Lot 245 of the 17th District of Fulton County, Georgia, and being more particularly described as follows:

BEGINNING at a point on the west Land Lot line of said Land Lot 245, said point being marked by a concrete monument and being at the point where said west Land Lot line intersects the southern margin of Spink Street; running thence along the southern margin of Spink Street in an arc 273.4 feet, being subtended by a cord running south 88° 30' 31" east, 273.67 feet; continuing thence along the southern margin of Spink Street along an arc 178.9 feet, being subtended by a cord running north 60° 57' 37" east, 178.30 feet; continuing thence along the southerly margin of Spink Street north 47° 1_' 06" east, 594.71 feet to an iron pin on the right-of-way of the Southern Railroad; running thence along a fence line on the northern right-of-way of said Southern Railroad south 76° 35' 32" west, 182.06 feet to a fence corner; continuing thence along said fence line south 89° 42' 43" west, 194.94 feet to a fence corner; continuing thence along said fence line south 76° 15' 56" west, 355.09 feet to an iron pin; running thence north 1° 30' 39" west, 355.09 feet to an iron pin; running thence north 89° 0' 03" west, 470.95 feet to an iron pin on the west Land Lot line, of said Land Lot 245, running thence north 0° 24' 26" west along the west Land Lot line of said Land Lot 245, 232.92 feet to a concrete monument on the southern right-of-way of Spink Street and the point of beginning; said property being located in the City of Atlanta and being unimproved property , plus any and all additional land lying and being in tax parcels identification numbers 17-0245-LL-013-3 and 17-0245-LL-016-6 containing 19.80 acres.

ALL that tract or parcel of land lying and being in Land Lot 245 of the 17th District of Fulton County, Georgia, and being more particularly described as follows:

BEGINNING at a point on the west Land Lot line of said and Lot 245, said point being marked by a concrete monument and being at the point where said west Land Lot line intersects the southern margin of Spink Street; running thence along the southern margin of Spink Street in an arc 273.4 feet, being subtended by a cord running south 88° 30' 31" east, 273.67 feet; continuing thence along the southern margin of Spink Street along an arc 178.9 feet, being subtended by a cord running north 60° 57' 37" east, 178.30 feet; continuing thence along the southerly margin of Spink Street north 47° 1°' 06" east, 594.71 feet to an iron pin on the right-of-way of the Southern Railroad; running thence along a fence line on the northern right-of-way of said Southern Railroad south 76° 35' 32" west, 182.06 feet to a fence corner; continuing thence along said fence line south 89° 42' 43" west, 194.94 feet to a fence corner; continuing thence along said fence line south 76° 15' 56" west, 355.09 feet to an iron pin; running thence north 1° 30' 39" west, 355.09 feet to an iron pin; running thence north 89° 0' 03" west, 470.95 feet to an iron pin on the west Land Lot line, of said Land Lot 245, running thence north 0° 24' 26" west along the west Land Lot line of said Land Lot 245, 232.92 feet to a concrete monument on the southern right-of-way of Spink Street and the point of beginning; said property being located in the City of Atlanta and being unimproved property containing ~~16.23 acres~~.

From Mindis short form lease

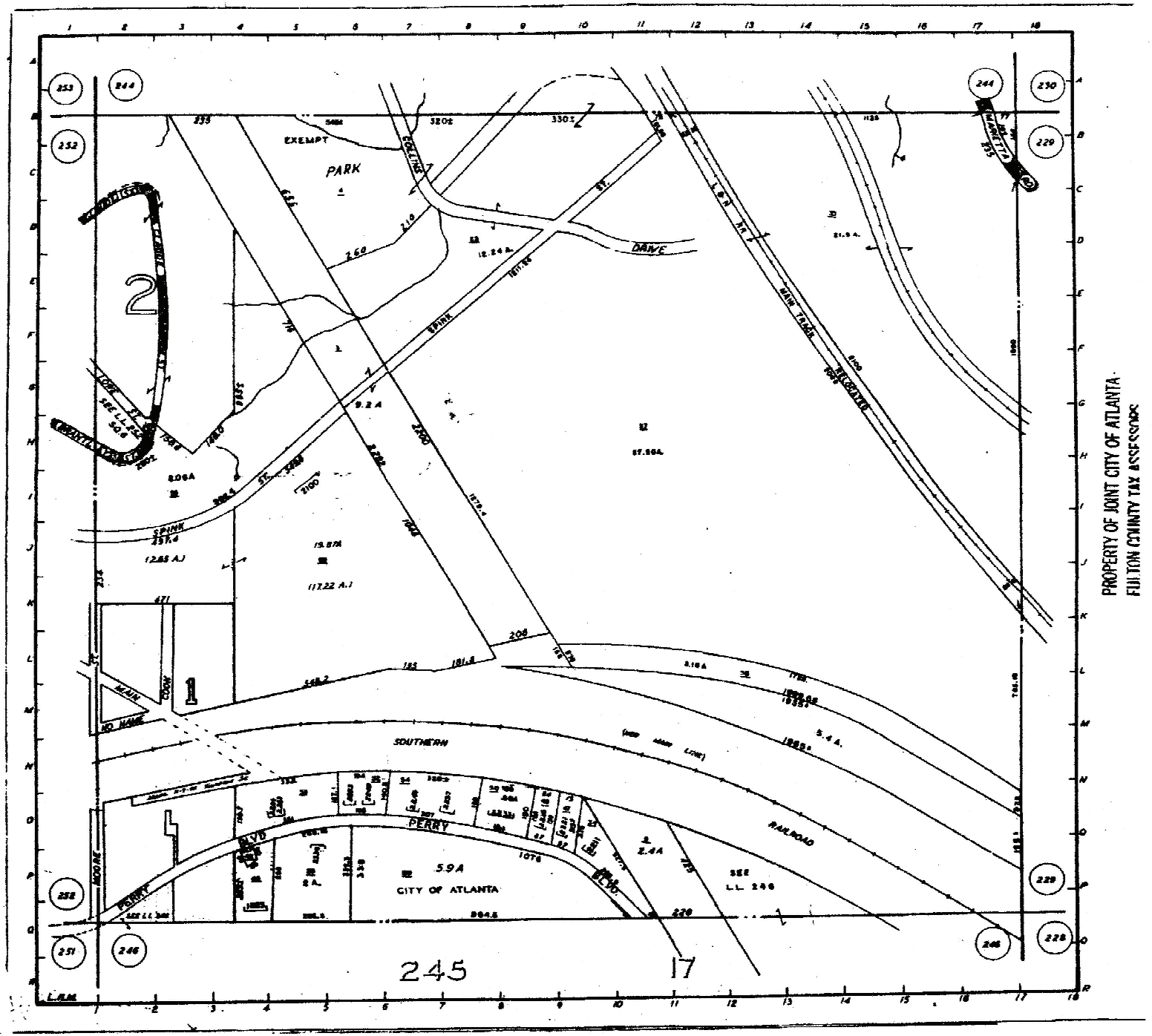
12/11/01

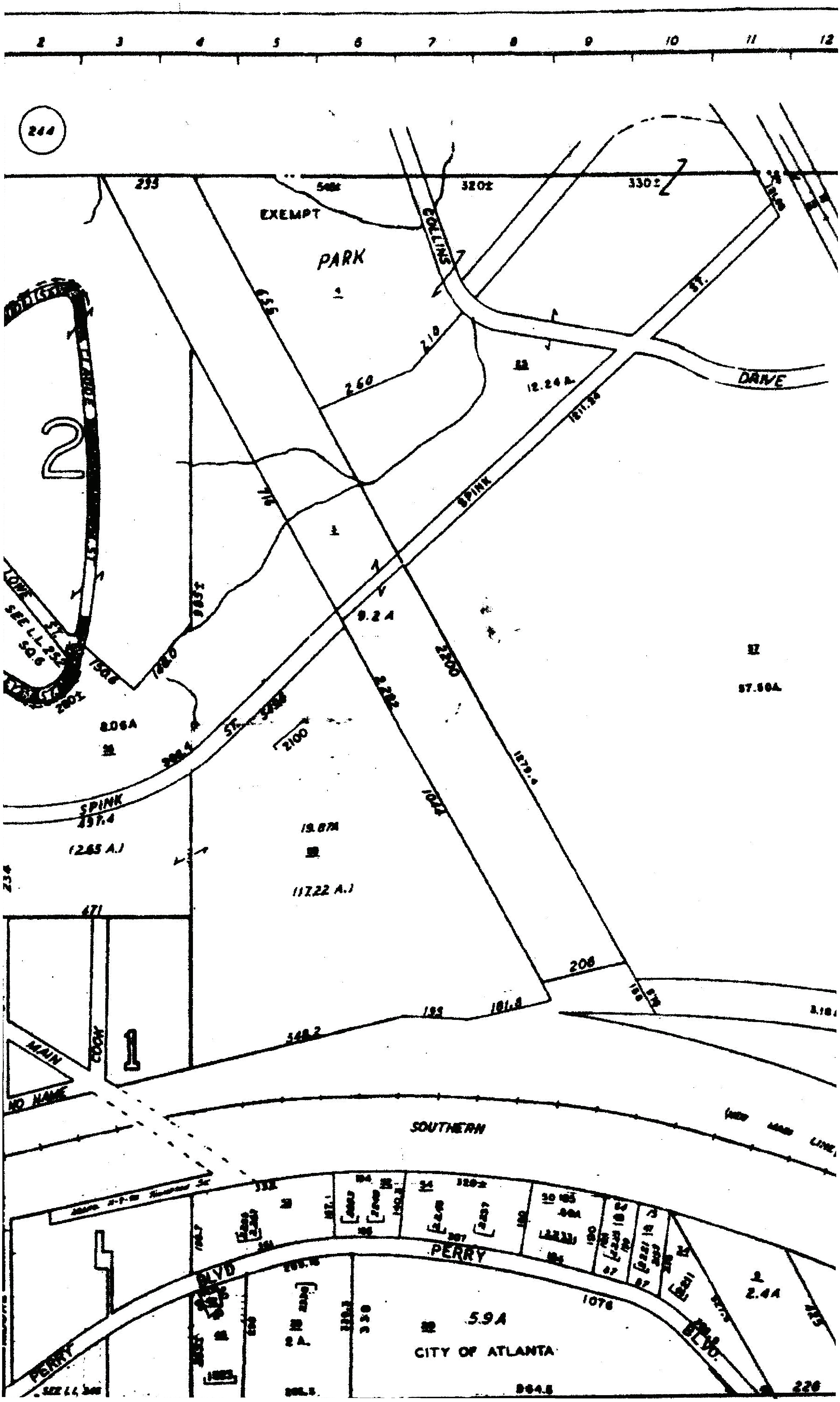
SCHEDULE "A"

ALL that tract or parcel of land lying and being in Land Lot 245 of the 17th District of Fulton County, Georgia, and being more particularly described as follows:

BEGINNING at a point on the west Land Lot line of said Land Lot 245, said point being marked by a concrete monument and being at the point where said west Land Lot line intersects the southern margin of Spink Street; running thence along the southern margin of Spink Street in an arc 273.4 feet, being subtended by a cord running south 88° 30' 31" east, 273.67 feet; continuing thence along the southern margin of Spink Street along an arc 178.9 feet, being subtended by a cord running north 60° 57' 37" east, 178.30 feet; continuing thence along the southerly margin of Spink Street north 47° 19' 06" east, 594.71 feet to an iron pin on the right-of-way of the Georgia Power Company; running thence south 29° 55' 46" east, along the right-of-way of the Georgia Power Company 144.30 feet to an iron pin on the northerly right-of-way of the Southern Railroad; running thence along a fence line on the northern right-of-way of said Southern Railroad south 76° 35' 32" west, 182.06 feet to a fence corner; continuing thence along said fence line south 89° 42' 43" west, 194.94 feet to a fence corner; continuing thence along said fence line south 76° 15' 56" west, 549.48 feet to an iron pin; running thence north 1° 30' 39" west, 355.09 feet to an iron pin; running thence north 89° 0' 03" west, 470.95 feet to an iron pin on the west Land Lot line, of said Land Lot 245; running thence north 0° 24' 26" west along the west Land Lot line of said Land Lot 245, 232.92 feet to a concrete monument on the southern right-of-way of Spink Street and the point of beginning; said property being located in the City of Atlanta and being unimproved property containing 16.23 acres.

from London Iron lease


EXEMPT
PARK
DAVE
SPINK
MAIN
NO NAME
SOUTHERN
RAILROAD
PERRY
BLVD
MOORE
CITY OF ATLANTA
SEE L.L. 246
245
17
PROPERTY OF JOINT CITY OF ATLANTA-
FULTON COUNTY TAX ASSESSORS


244
233
EXEMPT
PARK
COLLINS
3302
3202
DRIVE
ST.
12.24 A.
1811.24
SPINK
9.2 A
2200
1879.6
1022
2100
8.06A
SPINK
ST.
257.4
(2.65 A.)
19.87A
(17.22 A.)
57.50A
LOWE ST.
SEE L.L. 252
SQ. 6
2
1
471
234
MAIN
COOK
NO NAME
206
185
181.6
548.2
SOUTHERN
PERRY
BLVD.
1076
2.4A
5.9A
CITY OF ATLANTA
864.5
226
2 A.
SEE L.L. 246

Appendix 14

Addendum

Letter from Environmental Protection Division, Watershed Protection Branch, Jane Hendricks

Letter from Environmental Protection Division, Hazardous Sites Response Program, David Rueland

Georgia Department of Natural Resources
Environmental Protection Division, Watershed Protection Branch
4220 International Parkway, Suite 101, Atlanta, Georgia 30354
Permitting, Compliance and Enforcement Program
404/362-2680
FAX: 404/362-2691

April 14, 2008

Mr. Garey Simpson, PG
Project Manager
Landmark Resources, LLC.
4852 Creekland Trace NE
Marietta, Georgia 30062

RE: 2100 Spink Street Property

Dear Mr. Simpson:

We would like to thank you for accompanying us to the 2100 Spink Street property during our recent site visit on March 27, 2008. Based on the historical use of the property and our recent inspection, it appears that the total fecal coliform count can most likely be attributed to the wood waste at the site.

If you believe otherwise, we suggest that you perform additional testing for *Klebsiella* to compare to total fecal coliform counts to try to discern between human/animal wastes and wood wastes as the coliform source. If you choose to do this, please send the test results to us for review.

Please do not hesitate to contact me if you have any questions at (404) 362-2680.

Sincerely,

Jane Hendricks, Manager
Permitting, Compliance and Enforcement Program

c: Ms. Ruth Yardum

Georgia Department of Natural Resources

2 Martin Luther King, Jr. Dr. S.E., Suite 1462 East, Atlanta, Georgia 30334
Chris Clarke, Commissioner
Environmental Protection Division
Carol A. Couch, Ph.D., Director
Hazardous Waste Management Branch
404-657-8600

August 24, 2009

COPY

Ms. Ruth Yardum
P.O. Box 5754
Sherman Oaks, California 91413

Re: Mindis Recycling – Shredder Division
2100 Spinks Street
Atlanta, Fulton County, Georgia
HSI Site No. 10443
Administrative Order EPD-HSR-303

Dear Ms. Yardum:

The Director of the Georgia Environmental Protection Division (EPD) executed administrative Order EPD-HSR-303 (Order) on April 24, 2002. The purpose of that Order was to establish a compliance schedule for implementing corrective action at the 2100 Spinks Street property (site). Condition 10 of the Order required a revised compliance status report (CSR) be submitted within sixty (60) days of receipt of the written notice of deficiency (NOD). The CSR NOD was issued to you on September 11, 2007, with a deadline for submitting the revised CSR by November 16, 2007. Mr. Garey Simpson of LandMark Resources, LLC, submitted a November 11, 2007, letter to EPD on your behalf, which stated that due to uncontrolled sewage issues at the site and due to a prospective purchaser withdrawing an offer to purchase the site, further investigations to determine the extent of soil and groundwater contamination cannot move forward until the sewage flooding issues are resolved.

EPD's Watershed Protection Branch has resolved the issues regarding the sewage flooding. The Compliance and Enforcement Unit of EPD's Watershed Protection Branch conducted an investigation at the Site in November 2007. During the site visit, EPD saw no visual evidence or odor indication of a flooding sewage issue. EPD collected water samples from an adjacent creek at water quality stations located upstream and downstream of the site. Analytical results from these water samples showed no presence of fecal coliform bacteria. Therefore, the Watershed Protection Branch has completed its investigation and concluded there is no evidence of a flooding sewage problem at the site. Additionally, the Watershed Protection Branch's April 14, 2008, correspondence states that the total fecal coliform count can most likely be attributed to the wood waste at the site.

Therefore, EPD is requiring that you move forward with completing a CSR for the site. A schedule for submitting a revised CSR must be submitted to EPD by September 30, 2009. This correspondence has been incorporated into the Order, as required by Condition 12 of that Order. If you have any questions, please contact Kristen Ritter Rivera at (404) 657-8600.

Sincerely,

David Reuland
Unit Coordinator
Hazardous Sites Response Program

cc: Garey L. Simpson, PG, LandMark Resources, LLC ✓
Enclosures: (1) Document Submittal Format memorandum
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