



March 3, 2009  
Project No. 20082449V1

Mr. Ranajit Sahu, C.E.M., Ph.D.  
Basic Remediation Company  
875 West Warm Springs Road  
Henderson, Nevada 89011

*RE: Galleria North Sub-Area Soil Sampling, Henderson, Nevada*

Dear Dr. Sahu:

PROVIDING

- Geotechnical Engineering
- Construction Materials Engineering
- Environmental Engineering
- Drilling Services

On January 26, 2009 through February 17, 2009, Geotechnical and Environmental Services, Inc. (GES) implemented a sampling program per direction of Basic Remediation Company (BRC). This activity report details the scope of services performed, which consisted of the following:

- USA Underground utility alert.
- January 26 – 29, 2009: Staked and located ninety-six (96) sampling locations with a GPS Trimble ProXH Unit. The sample location coordinates were provided by ERM. Concurrently, a second GES team member collected 96 surface-soil samples for an asbestos survey. However, due to utility conflicts, one location was eliminated (see below, Changes to Original Planned Work).
- January 27, 2009 – February 17, 2009: Collected two-hundred twelve (212) soil samples from ninety-five (95) boring locations throughout the site at depths ranging from 0.0 to 20 feet. Three “deep” borings required collecting additional soil samples for physical parameters at 10 to 20.0 feet. Additionally, three borings were sampled for synthetic precipitation leaching procedure (SPLP) at the deepest designated sample interval. Duplicate samples were taken approximately every 10<sup>th</sup> sample, while MS/MSD samples were collected every 20<sup>th</sup> sample. A total of eleven (11) rinsate samples were taken throughout the sampling event.

GES’s scope of services was to implement the field sampling program so that others can evaluate the data resulting from our sampling efforts. Therefore, this report does not provide conclusions regarding the analytes or their levels of occurrence.

**Field Investigation Methodology**

**Asbestos** – Ninety-five (95) asbestos surface samples were collected using the EPA 540 Elutriator Method. All samples were submitted to EMSL Analytical, Inc. for analysis.

**Soils** - Soil samples were taken from ninety-five (95) borings drilled using the hollow stem auger method. The boreholes were initiated using a Diedrich D-50+ Track Drill Rig outfitted with 6-1/2 inch outside diameter hollow stem augers. A California modified split spoon sampler was advanced at least 18 inches per sampling interval by using a 140-pound hammer falling 30 inches.

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Soil samples were logged according to the USCS Classification by a qualified Geologist. In addition, each sample was examined for odors and stains. The soil from each sample interval was field screened for volatile organic vapors (VOCs) using photoionization detector probes (10.6 eV and 11.7 eV) (PID). The PID results and any odors or soil staining observed during the course of fieldwork are shown on the boring logs (Appendix A, Figures 4 through 53).

At each sample location and depth interval, the samples were collected in six (6) clean 2.5-inch diameter by 6.0-inch long stainless steel sleeves using standard split spoon sampling techniques. The ends of each sleeve(s) retained for analysis were covered with Teflon sheeting and placed in a sealable ZipLock™ type plastic bag.

Each sample was provided a unique sampling number with the following designation: Sample Location, Depth Interval, Date, and Time. For example, the first sampling location was identified as GNC1-JD02-0, 1/27/09, 0735, while the final sampling location was identified as GNC1-JD06-10, 1/17/09, 1020. The soil samples were stored in coolers with ice and shipped daily via FedEx to Test America Laboratories (Earth City, Missouri), GEL Laboratory (Charleston, South Carolina) and Advanced Terra Testing, Inc. (Lakewood, Colorado).

Soil samples and the breathing zone were monitored by two photoionization detector probes (10.6 eV and 11.7 eV) by GES personnel. The health and safety monitoring effort complied with the *BRC Health and Safety Plan, October, 2005*.

#### **Decontamination Procedures**

The drilling equipment and all down-hole equipment were decontaminated prior to initial usage and then between each borehole location. Decontamination of drilling equipment consisted of high pressure washing prior to initial boring. All down-hole equipment was washed between borehole locations using Liquinox™ detergent wash, a potable water rinse, and a final rinse with commercially available distilled water. The stainless steel scoop used for asbestos sampling was wiped clean prior to use and between sample locations.

#### **Investigative Derived Waste (IDW)**

All Investigative Derived Waste consisted of drilling cuttings (soil) and equipment decontamination waste (Liquinox laboratory grade detergent and rinse water). Where no ground water was encountered, the drill cuttings were returned to the borehole after the sampling was completed. Decontamination fluid was minimal and disposed of in the boreholes.

#### **Documentation**

Documentation of the field activities consists of figures showing the site location (Vicinity Map, Figure 1), boring locations (Site Map, Figure 2), photographs of representative boring locations (Figure 3) and boring logs (Figure 4). These documents are included as attachments. Copies of the Chain-of-Custodies and daily safety meeting forms are also included as attachments.

#### **Changes to Original Planned Work**

During this work the only modifications to the original scope of services were eliminating sample location GNC1-JD03 due to conflicts with underground utilities. GES contacted ERM regarding the utility conflicts at this location and ERM advised that the sampling location should be eliminated. In addition, several other locations were moved due to obstructions or underground utilities. Most of the locations that were moved required only minor moves of 10-feet or less.

However, two locations (GNC1-BD23 and GNC1-JD05) were moved approximately 30 feet south and west, respectively, and one location (GNC1-JD06) was moved approximately 100 feet southeast. The new coordinates for these locations were submitted to ERM.

We appreciate this opportunity to provide our professional services. If you have questions or comment, feel free to contact our office at (702) 365-1001.

Sincerely,  
**Geotechnical & Environmental Services, Inc.**



Richard A. Cooke, C.E.M.  
Project Geologist  
C.E.M. #1820



Kyle S. Hansen, C.E.M.  
Environmental Program Manager  
C.E.M. #2167

RAC:KSH:vm:as

Enc.: Figures 1, 2 and 3  
Boring Logs (96)  
Chain-of-Custody Records (15)  
Tailgate Safety Meeting Forms (10)

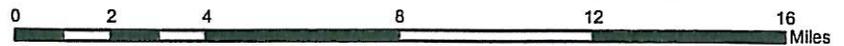
Dist: 1 pdf copy emailed to client at sahuron@earthlink.net  
1 original mailed to addressee  
1 cc to project file

**FIGURES:  
VICINITY MAP  
EXPLORATION LOCATION MAP  
BORING LOGS**



**Legend**

- ★ Approximate Project Location
- Airports
- Interstate
- Major Streets
- + Railroad
- State Highway
- Township & Range



NOTE: Data presented on this map is a compilation of GIS Metadata extracted from a variety of sources. Major Streets, Airports, and Railroads is data obtained from the Southern Nevada GIS Management Office. This data is downloaded by GES for incorporation into drawings generated by GES. Data contained within this page is to be used for informational purposes only. GES has not modified the data contained herein and uses it as it is acquired from the respective agency.



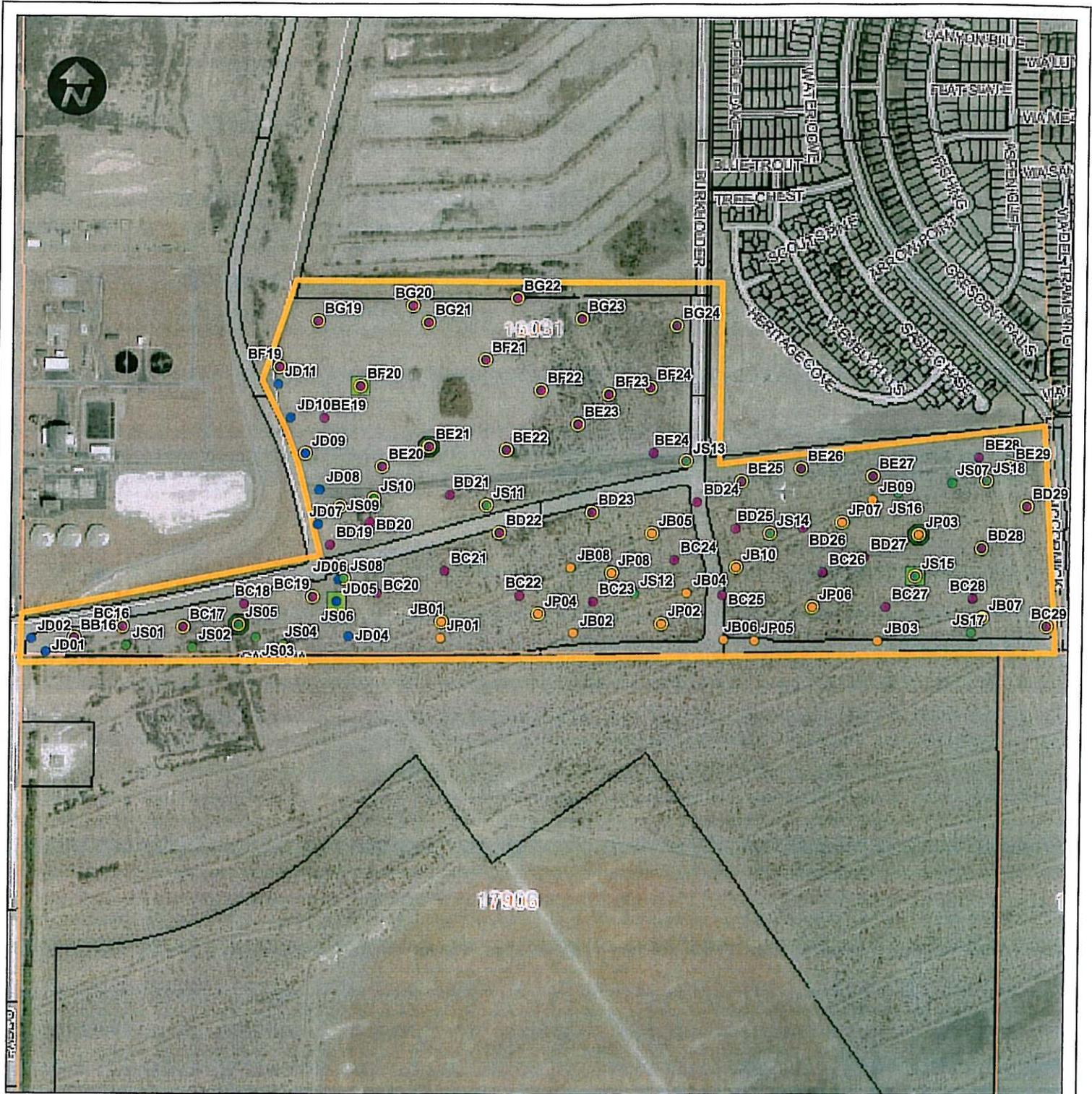
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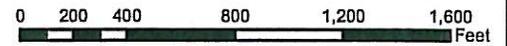
**VICINITY MAP  
GALLERIA NORTH SUB-AREA  
BASIC REMEDIATION COMPANY**

Drawn By: MMD	Date Drawn: 02/18/2009
Project No. 20082449V1	Figure No. 1



**Legend**

- Sample Locations
- Other Biased
- Debris
- Ditch
- Random
- Surface Flux
- Deep
- SPLP
- Site Boundary



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**EXPLORATION LOCATION MAP  
 GALLERIA NORTH SUB-AREA  
 BASIC REMEDIATION COMPANY**

Drawn By: MMD	Date Drawn: 02/18/2009
Project No. 20082449V1	Figure No. 2



1. Drilling at a typical pond location, boring location GNC1-JP01.



2. Drilling of a typical berm location (GNC1-JB01).



3. Drilling at a typical debris location, sample boring GNC1-JS12.

	<p><b>PROJECT:</b> Galleria North Sub-Area Soil Sampling <b>FIGURE 3</b> Site Photographs</p>
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4. Completing a randomly-located sample grid boring, location GNC1-BC24.



5. Drilling and sample collection of a ditch location, boring GNC1-JD01.



6. Completed sample boring drilled in a debris sample location in the southeastern part of the site (GNC1-JS07).



**PROJECT:**  
Galleria North Sub-Area  
Soil Sampling  
**FIGURE 3a**  
Site Photographs



7. Completed random sample location GNC1-BE20 in the cleared northwestern section of the site.



8. Ongoing drilling at boring location GNC1-JB05.



9. Boring location GNC1-JD09 in the northwest corner of the site.

	<p><b>PROJECT:</b> Galleria North Sub-Area Soil Sampling <b>FIGURE 3b</b> Site Photographs</p>
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10. Boring located in the native soil portion of the site in the vicinity of GNC1-BG24.



11. The western part of the Galleria North Sub-Area.

# EXPLORATION LOG GNC1-BB16

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07124/ W:-114.99262

EXPLORATION DATE: 1-27-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Reddish yellow (7.5YR 6/6) silty SAND with gravel, moist and dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.1 ppmV.</p> <p style="text-align: center;">END OF BORING AT 13.0 FEET</p>						

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# EXPLORATION LOG GNC1-BC16

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07140/ W:-114.99177  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 1-27-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, dry and loose. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV. ...at 0.5 feet: moist and medium dense.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p>						
			END OF BORING AT 13.0 FEET						

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# EXPLORATION LOG GNC1-BC22

PROJECT: <u>GALLERIA NORTH SUB-AREA</u>	PROJECT NO.: <u>20082449V1</u>
BORING LOCATION: <u>N:36.07182/W:-114.98485</u>	EXPLORATION DATE: <u>03-02-09</u>
EXPLORATION SIZE (dia.): <u>8 1/2" O.D. H.S. AUGERS</u>	EQUIPMENT: <u>D-50 TRACK RIG</u>
ELEVATION: <u>EXISTING GROUND SURFACE</u>	LOGGED BY: <u>SEARS/SUMNER</u>
INITIAL DEPTH TO WATER: <u>NOT ENCOUNTERED</u>	DATE MEASURED: <u>N/A</u>
FINAL DEPTH TO WATER: <u>NOT ENCOUNTERED</u>	DATE MEASURED: <u>N/A</u>

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>28 39 50/5</p> <p>50/4</p>	SM	Light yellowish brown (10YR 6/4) silty SAND with gravel, dry and very dense. ...trace gravel.						
15			END OF BORING AT 14.0 FEET						

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# EXPLORATION LOG GNC1-BC24

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07231/ W:-114.98213  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-10-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	Reddish yellow (7.5YR 6/6) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV.						
			...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.6 ppmV.						
		SM	Light yellowish brown (10YR 6/4) silty SAND, some gypsum, moist and dense.						
			END OF BORING AT 14.0 FEET						

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# EXPLORATION LOG GNC1-BC25

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07181/ W:-114.98129  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-12-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>5 10 15</p> <p>12 23 42</p> <p>19 31 50/5</p>	SM	<p>Reddish yellow (7.5YR 6/6) silty SAND with gravel, moist and medium dense.</p> <p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.8 ppmV.</p> <p>...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 1.3 ppmV.</p> <p>...very dense.</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-BC25

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07181/ W:-114.98129  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-12-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			END OF BORING AT 17.0 FEET						

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# EXPLORATION LOG GNC1-BC26

PROJECT: <u>GALLERIA NORTH SUB-AREA</u>	PROJECT NO.: <u>20082449V1</u>
BORING LOCATION: <u>N:36.07212/ W:-114.97955</u>	EXPLORATION DATE: <u>2-12-09</u>
EXPLORATION SIZE (dia.): <u>8 1/2" O.D. H.S. AUGERS</u>	EQUIPMENT: <u>D-50 TRACK RIG</u>
ELEVATION: <u>EXISTING GROUND SURFACE</u>	LOGGED BY: <u>MARTINEZ/MEHLHORN</u>
INITIAL DEPTH TO WATER: <u>NOT ENCOUNTERED</u>	DATE MEASURED: <u>N/A</u>
FINAL DEPTH TO WATER: <u>NOT ENCOUNTERED</u>	DATE MEASURED: <u>N/A</u>

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>10 11 12</p> <p>12 21 38</p>	SM	<p>Yellowish brown (10YR 5/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.6 ppmV.</p> <p>...PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.9 ppmV.</p>						
			END OF BORING AT 14.0 FEET						

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# EXPLORATION LOG GNC1-BC27

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07163/ W:-114.97846

EXPLORATION DATE: 2-4-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.3 ppmV.</p> <p>...dense.</p>						
			END OF BORING AT 13.0 FEET						

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# EXPLORATION LOG GNC1-BC28

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07174/ W:-114.97695  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-4-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Light olive brown (2.5Y 5/4) silty SAND with gravel, moist and medium dense.            PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.8 ppmV.</p> <p>...PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.4 ppmV.</p> <p>...dense.</p> <p style="text-align: center;">END OF BORING AT 14.0 FEET</p>						

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# EXPLORATION LOG GNC1-BD20

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07286/ W:-114.98745

EXPLORATION DATE: 1-30-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0		SM	Brown (10YR 5/3) silty SAND, few gravel, moist and medium dense. PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 2.1 ppmV.						
2.5		SM	Brown (10YR 5/3) silty SAND with gravel, moist and dense.						
5									
7.5									
10			...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 1.2 ppmV.						
12.5									
15			END OF BORING AT 13.0 FEET						

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# EXPLORATION LOG GNC1-BD21

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07324/ W:-114.98606  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 1-30-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Very pale brown (10YR 7/4) silty SAND with gravel, dry and loose. PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.2 ppmV.</p> <p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...dense.</p>						
			END OF BORING AT 13.0 FEET						

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# EXPLORATION LOG GNC1-BD22

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07270/ W:-114.98520  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 1-29-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/HANSEN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Very pale brown (10YR 7/3) silty SAND with gravel, moist and medium dense.            PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...dense.</p>						
			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-BD23

PROJECT: GALLERIA NORTH SUB-AREA	PROJECT NO.: 20082449V1
BORING LOCATION: N:36.07299/ W:-114.98358	EXPLORATION DATE: 1-29-09
EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS	EQUIPMENT: D-50 TRACK RIG
ELEVATION: EXISTING GROUND SURFACE	LOGGED BY: GACUSAN/HANSEN
INITIAL DEPTH TO WATER: NOT ENCOUNTERED	DATE MEASURED: N/A
FINAL DEPTH TO WATER: NOT ENCOUNTERED	DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>7 9 13</p> <p>11 17 22</p>	SM	<p>Very pale brown (10YR 7/3) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...pea gravel.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p>						
			END OF BORING AT 14.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.





# EXPLORATION LOG GNC1-BD26

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07275/ W:-114.97989  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-2-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0 2.5 5	 11 15 21	FILL	Fill: Light yellowish brown (2.5YR 6/4) silty SAND, moist. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						
7.5 10 12.5 15	 11 21 20	SM	Light yellowish brown (2.5YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-BD26

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07275/ W:-114.97989  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-2-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			<p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV.</p>						
			<p>END OF BORING AT 19.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-BD27

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07233/ W:-114.97883  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-12-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		FILL	Fill: Light yellowish brown (10YR 6/4) silty SAND with gravel, moist. PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.8 ppmV.						
		SM	Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and very dense.  ...PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.8 ppmV.						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-BD27

PROJECT: GALLERIA NORTH SUB-AREA	PROJECT NO.: 20082449V1
BORING LOCATION: N:36.07233/ W:-114.97883	EXPLORATION DATE: 2-12-09
EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS	EQUIPMENT: D-50 TRACK RIG
ELEVATION: EXISTING GROUND SURFACE	LOGGED BY: GACUSAN/MEHLHORN
INITIAL DEPTH TO WATER: NOT ENCOUNTERED	DATE MEASURED: N/A
FINAL DEPTH TO WATER: NOT ENCOUNTERED	DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			<p>...PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.5 ppmV.</p> <p>...very dense.</p>						
			END OF BORING AT 23.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-BD29

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07304/ W:-114.97601

EXPLORATION DATE: 2-4-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...very dense.</p> <p style="text-align: center;"><b>END OF BORING AT 13.0 FEET</b></p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-BE20

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07364/ W:-114.98724

EXPLORATION DATE: 2-06-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL. (%)	POCKET PENETROMETER (tsf)
0		SM	Very pale brown (10YR 7/3) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						
2.5									
5									
7.5									
10			...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						
12.5			...dense.						
15			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-BE22

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07387/ W:-114.98509

EXPLORATION DATE: 2-5-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>10 12 16</p> <p>12 19 28</p>	SM	<p>Grayish brown (2.5Y 5/2) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.6 ppmV.</p> <p>...PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.9 ppmV.</p>						
			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-BE24

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07382/ W:-114.98250  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-09-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0		SM	Very pale brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.1 ppmV.						
2.5									
5									
7.5									
10			...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.1 ppmV.						
12.5		CL	Reddish yellow (7.5YR 6/6) lean CLAY with sand, some gypsum, moist and very stiff.						
15		END OF BORING AT 13.0 FEET							

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-BE26

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07358/ W:-114.97993  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-3-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>6 7 12</p> <p>17 42 49</p> <p>37 50/5</p>	SM	<p>Very pale brown (10YR 7/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 1.1 ppmV, 11.7 eV = 1.2 ppmV.</p> <p>...very dense.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

## EXPLORATION LOG GNC1-BE26

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07358/ W:-114.97993

EXPLORATION DATE: 2-3-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

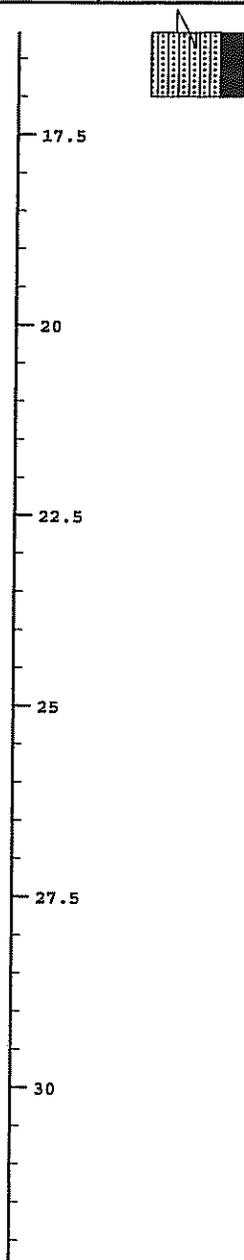
LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			<p>END OF BORING AT 17.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.









## EXPLORATION LOG GNC1-BF20

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07478/ W:-114.98762  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-06-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	Light yellowish brown (10YR 6/4) silty SAND, few gravel, few organics, moist and medium dense.						
		SM	Light olive brown (2.5Y 5/4) silty SAND with gravel, moist and dense.  ..PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.  ...some gypsum (as coatings and encrustations) and very dense.						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

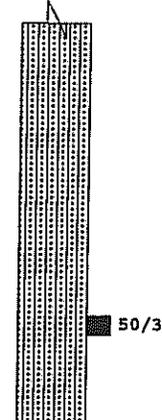
# EXPLORATION LOG GNC1-BF20

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07478/ W:-114.98762  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-06-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			<p>...no PID due to saturated sample; wet.</p>						
			<p>END OF BORING AT 21.5 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-BF21

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07514/ W:-114.98546  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-5-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>30 35 38</p> <p>17 21 35</p>	SM	<p>Very pale brown (10YR 7/4) silty SAND with gravel, moist and dense. PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.2 ppmV.</p> <p>...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.3 ppmV.</p>						
			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-BF22

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07471/W:-114.98449  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-06-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>10 13 19</p> <p>15 35 50/3</p>	SM	<p>Very pale brown (10YR 7/3) silty SAND, few gravel, moist and medium dense. PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.3 ppmV.</p> <p>...very dense.</p>						
			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.





# EXPLORATION LOG GNC1-BG19

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07570/ W:-114.98836  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-5-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0		SM	Brown (10YR 5/3) silty SAND, few gravel, few organics, moist and very dense. PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 1.7 ppmV.						
2.5		SM	Brown (10YR 5/3) silty SAND with gravel, moist and very dense.						
10		SM	...PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.8 ppmV. Brown (10YR 5/3) silty SAND, few gravel, moist and dense.						
12.5			END OF BORING AT 13.0 FEET						
15									

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-BG20

**PROJECT:** GALLERIA NORTH SUB-AREA

**PROJECT NO.:** 20082449V1

**BORING LOCATION:** N:36.07591/ W:-114.98672

**EXPLORATION DATE:** 2-5-09

**EXPLORATION SIZE (dia.):** 8 1/2" O.D. H.S. AUGERS

**EQUIPMENT:** D-50 TRACK RIG

**ELEVATION:** EXISTING GROUND SURFACE

**LOGGED BY:** MARTINEZ/MEHLHORN

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A

**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Brown (10YR 5/3) silty SAND, few gravel, few organics, moist and dense. PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.5 ppmV.</p> <p>...PIDs: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.6 ppmV.</p> <p>...very dense.</p> <p style="text-align: center;">END OF BORING AT 13.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-BG21

**PROJECT:** GALLERIA NORTH SUB-AREA

**PROJECT NO.:** 20082449V1

**BORING LOCATION:** N:36.07567/ W:-114.98645

**EXPLORATION DATE:** 2-5-09

**EXPLORATION SIZE (dia.):** 8 1/2" O.D. H.S. AUGERS

**EQUIPMENT:** D-50 TRACK RIG

**ELEVATION:** EXISTING GROUND SURFACE

**LOGGED BY:** MARTINEZ/MEHLHORN

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A

**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>10 30 35</p> <p>13 19 21</p>	SM	<p>Pale yellow (2.5Y 7/3) silty SAND with gravel, moist and dense. PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.9 ppmV.</p> <p>...PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.8 ppmV.</p> <p>...medium dense.</p>						
			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-BG23

**PROJECT:** GALLERIA NORTH SUB-AREA

**PROJECT NO.:** 20082449V1

**BORING LOCATION:** N:36.07572/ W:-114.98378

**EXPLORATION DATE:** 2-06-09

**EXPLORATION SIZE (dia.):** 8 1/2" O.D. H.S. AUGERS

**EQUIPMENT:** D-50 TRACK RIG

**ELEVATION:** EXISTING GROUND SURFACE

**LOGGED BY:** MARTINEZ/MEHLHORN

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A

**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0		SM	Very pale brown (10YR 7/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						
2.5			...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						
5			...dense.						
7.5									
10									
12.5									
15			END OF BORING AT 14.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-BG24

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07561/ W:-114.98211  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-09-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0		SM	Reddish yellow (7.5YR 6/6) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.1 ppmV.						
2.5			...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV.						
5									
7.5									
10									
12.5									
15			END OF BORING AT 14.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB01

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07145/ W:-114.98620  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-10-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		FILL	Fill: Reddish yellow (7.5YR 6/6) silty SAND with gravel, moist. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						
		SM	...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.5 ppmV. Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense.						
			...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.2 ppmV.						
			END OF BORING AT 15.5 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB02

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07129/ W:-114.98390  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-11-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0		FILL	<p>Fill: Brown (7.5YR 4/2) silty SAND with gravel, moist. PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV.</p>						
2.5		SM	<p>Brown (7.5YR 4/2) silty SAND with gravel, moist and dense.</p> <p>...PIDs: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV.</p>						
5			<p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.2 ppmV.</p>						
7.5									
10									
12.5									
15									

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

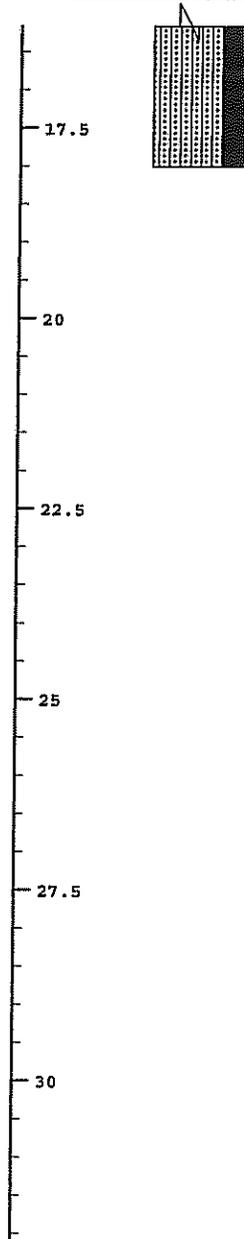
# EXPLORATION LOG GNC1-JB02

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07129/ W:-114.98390  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-11-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			<p><b>END OF BORING AT 18.0 FEET</b></p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB03

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07115/ W:-114.97859  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-13-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		FILL	Fill: Light yellowish brown (10YR 6/4) silty SAND with gravel, moist. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						
		SM	Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and very dense.  ...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.4 ppmV.						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

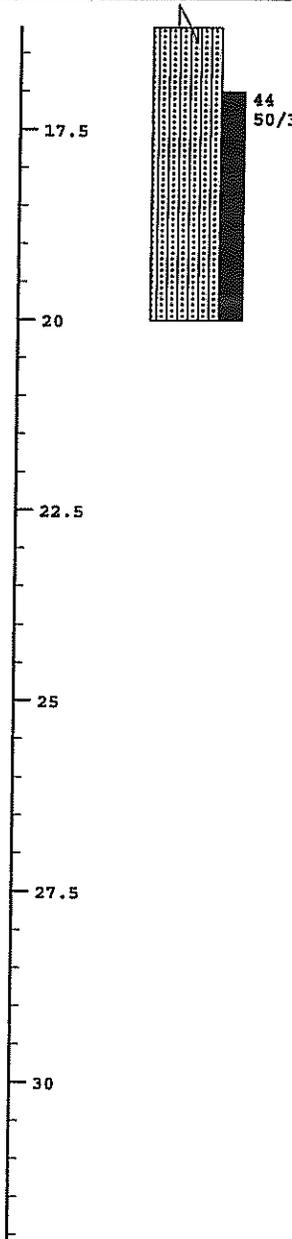
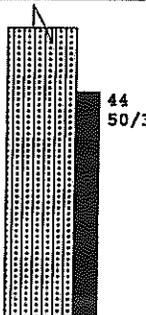
# EXPLORATION LOG GNC1-JB03

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07115/ W:-114.97859  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-13-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			<p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.2 ppmV.</p>						
			<p>END OF BORING AT 20.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB04

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07184/ W:-114.98191

EXPLORATION DATE: 2-11-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

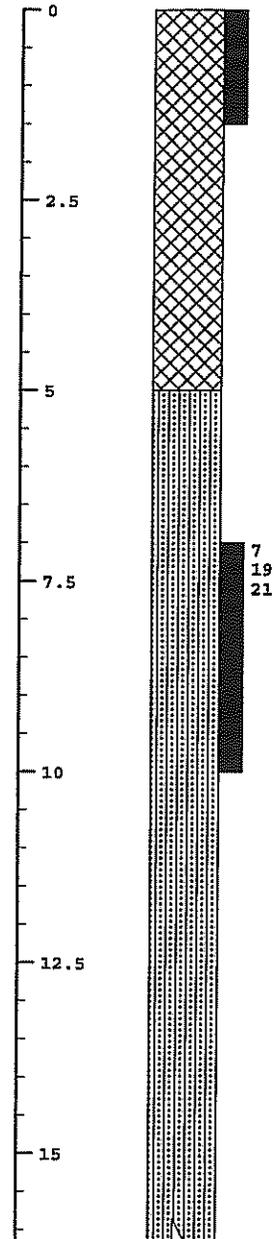
LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0 2.5 5 7.5 10 12.5 15		FILL	Fill: Light yellowish brown (10YR 6/4) silty SAND with gravel, moist. PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.3 ppmV.						
		SM	Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense.  ...PIDs: 10.6 eV = 0.5 ppmV, 11.7 eV = 0.6 ppmV.						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB04

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07184/ W:-114.98191

EXPLORATION DATE: 2-11-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			<p>...PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.5 ppmV.</p>						
			<p>END OF BORING AT 20.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB05

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07268/ W:-114.98252  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-11-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		FILL	Fill: Reddish yellow (7.5YR 6/6) silty SAND with gravel, moist. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						
		SM	Reddish yellow silty SAND with gravel, moist and dense.  ...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB05

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07268/ W:-114.98252

EXPLORATION DATE: 2-11-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			<p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.3 ppmV.</p>						
			<p>END OF BORING AT 20.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB06

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07118/ W:-114.98126  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-13-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

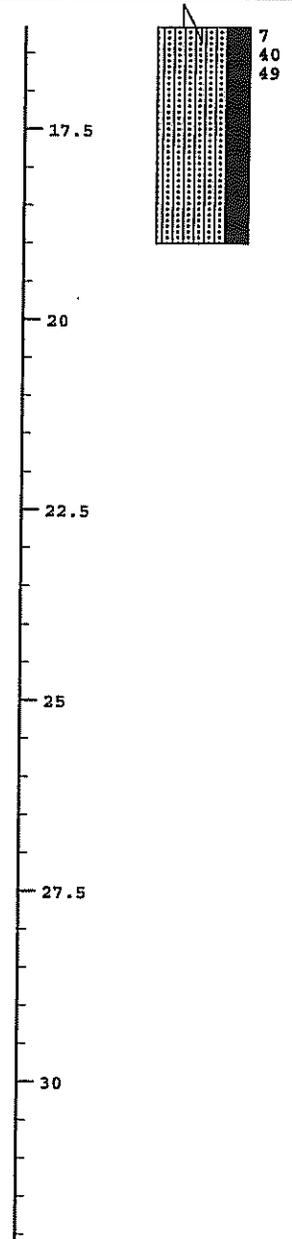
DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (isf)
0		FILL	Fill: Yellowish brown (10YR 5/4) silty SAND with gravel, moist. PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.9 ppmV.						
2.5		SM	Yellowish brown (10YR 5/4) silty SAND with gravel, moist and very dense. PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.9 ppmV.						
5									
7.5									
10									
12.5									
15									

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB06

PROJECT: GALLERIA NORTH SUB-AREA	PROJECT NO.: 20082449V1
BORING LOCATION: N:36.07118/ W:-114.98126	EXPLORATION DATE: 2-13-09
EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS	EQUIPMENT: D-50 TRACK RIG
ELEVATION: EXISTING GROUND SURFACE	LOGGED BY: GACUSAN/MEHLHORN
INITIAL DEPTH TO WATER: NOT ENCOUNTERED	DATE MEASURED: N/A
FINAL DEPTH TO WATER: NOT ENCOUNTERED	DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			<p>...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.5 ppmV.</p>						
			<p>END OF BORING AT 19.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB07

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07147/ W:-114.97678

EXPLORATION DATE: 2-13-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

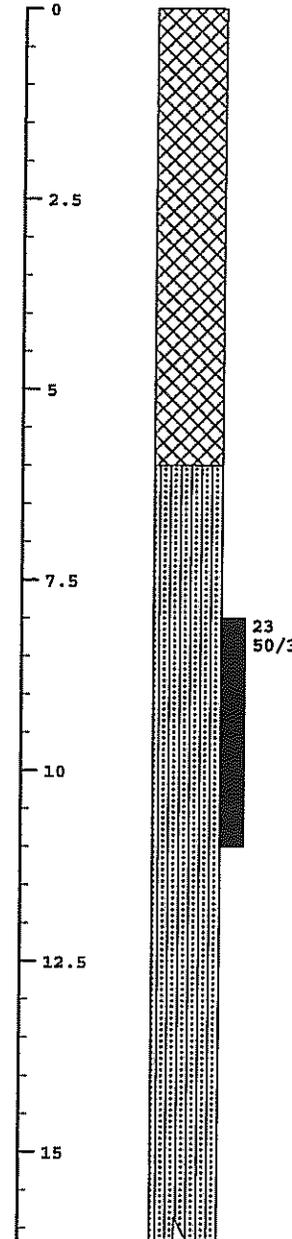
LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0 2.5 5 7.5 10 12.5 15		FILL	Fill: Yellowish brown (10YR 5/4) silty SAND with gravel, moist. PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.2 ppmV.						
		SM	Reddish yellow silty SAND with gravel, moist and very dense.  ...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV.						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-JB08

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07221/ W:-114.98395  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-10-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		FILL	Fill: Reddish yellow (7.5YR 6/6) silty SAND with gravel, moist. PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV.						
		SM	Reddish yellow (7.5YR 6/6) silty SAND with gravel, moist and medium dense.  ...PIDs; 10.6 eV = 0.2 ppmV, 11.7 eV = 0.4 ppmV.						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-JB09

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07314/ W:-114.97869  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-2-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0		FILL	Fill: Light yellowish brown (10YR 6/4) silty SAND with gravel, moist. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						
2.5		SM	Light yellowish brown (10YR 3/4) silty SAND with gravel, moist and medium dense.  ...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV.						
5									
7.5									
10									
12.5									
15									

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB09

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07314/ W:-114.97869  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-2-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	18 49 46		<p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...very dense.</p>						
22.5			END OF BORING AT 22.0 FEET						
25									
27.5									
30									

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB10

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07220/ W:-114.98105  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-11-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		FILL	Fill: Brown (7.5YR 5/4) silty SAND with gravel, moist. PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.6 ppmV.						
		SM	Brown (7.5YR 5/4) silty SAND with gravel, moist and medium dense.  ...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.3 ppmV.						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JB10

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07220/ W:-114.98105

EXPLORATION DATE: 2-11-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			<p>...PIDs: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.6 ppmV.</p> <p>...dense.</p>						
			<p><b>END OF BORING AT 21.0 FEET</b></p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.







# EXPLORATION LOG GNC1-JD05

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07174/ W:-114.98802

EXPLORATION DATE: 1-29-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>9 15 19</p> <p>19 25 27</p>	SM	<p>Very pale brown (10YR 7/3) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...dense.</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JD05

**PROJECT:** GALLERIA NORTH SUB-AREA

**PROJECT NO.:** 20082449V1

**BORING LOCATION:** N:36.07174/ W:-114.98802

**EXPLORATION DATE:** 1-29-09

**EXPLORATION SIZE (dia.):** 8 1/2" O.D. H.S. AUGERS

**EQUIPMENT:** D-50 TRACK RIG

**ELEVATION:** EXISTING GROUND SURFACE

**LOGGED BY:** GACUSAN/MEHLHORN

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A

**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<div style="border: 1px solid black; padding: 2px; display: inline-block;">37 50/2</div>		<p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...capillary fringe and very dense.</p>						
			<p><b>END OF BORING AT 21.5 FEET</b></p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JD06

**PROJECT:** GALLERIA NORTH SUB-AREA

**PROJECT NO.:** 20082449V1

**BORING LOCATION:** N:36.07205/ W:-114.98797

**EXPLORATION DATE:** 2-13-09

**EXPLORATION SIZE (dia.):** 8 1/2" O.D. H.S. AUGERS

**EQUIPMENT:** D-50 TRACK RIG

**ELEVATION:** EXISTING GROUND SURFACE

**LOGGED BY:** GACUSAN/MEHLHORN

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A

**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>6 10 12</p> <p>31 50/4</p>	SM	<p>Light brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.6 ppmV.</p> <p>...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 2.5 ppmV.</p> <p>...stained dark grayish brown (10YR 4/2) .</p> <p style="text-align: center;">END OF BORING AT 13.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-JD08

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07334/ W:-114.98859  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 1-30-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	Very pale brown (10YR 7/3) silty SAND with gravel, dry and very dense.						
		SM	Reddish yellow (7.5YR 6/6) silty SAND with gravel, moist and very dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV						
			...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV.  ...dense.						
			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-JD10

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07436/ W:-114.98910  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-09-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...dense.</p>						
			END OF BORING AT 14.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JD11

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07483/ W:-114.98932  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-09-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV.</p> <p style="text-align: center;">END OF BORING AT 14.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JP01

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07122/ W:-114.98621  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-10-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Reddish yellow (7.5YR 6/6) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.2 ppmV.</p> <p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...very dense.</p>						
			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JP02

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07141/ W:-114.98235

EXPLORATION DATE: 2-12-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>9 12 22</p> <p>11 23 50/4</p>	SM	<p>Very pale brown (10YR 7/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.5 ppmV.</p> <p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.4 ppmV.</p> <p>...very dense.</p> <p style="text-align: center;">END OF BORING AT 13.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JP03

**PROJECT:** GALLERIA NORTH SUB-AREA      **PROJECT NO.:** 20082449V1  
**BORING LOCATION:** N:36.07264/ W:-114.97789      **EXPLORATION DATE:** 2-11-09  
**EXPLORATION SIZE (dia.):** 8 1/2" O.D. H.S. AUGERS      **EQUIPMENT:** D-50 TRACK RIG  
**ELEVATION:** EXISTING GROUND SURFACE      **LOGGED BY:** MARTINEZ/MEHLHORN

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED      **DATE MEASURED:** N/A  
**FINAL DEPTH TO WATER:** NOT ENCOUNTERED      **DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Light olive brown (2.5YR 5/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.4 ppmV.</p> <p>...PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...collect SPLP sample, 2-extra sleeves.</p> <p style="text-align: center;"><b>END OF BORING AT 15.5 FEET</b></p>						

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# EXPLORATION LOG GNC1-JP06

**PROJECT:** GALLERIA NORTH SUB-AREA **PROJECT NO.:** 20082449V1  
**BORING LOCATION:** N:36.07163/ W:-114.97972 **EXPLORATION DATE:** 2-12-09  
**EXPLORATION SIZE (dia.):** 8 1/2" O.D. H.S. AUGERS **EQUIPMENT:** D-50 TRACK RIG  
**ELEVATION:** EXISTING GROUND SURFACE **LOGGED BY:** GACUSAN/MEHLHORN

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED **DATE MEASURED:** N/A  
**FINAL DEPTH TO WATER:** NOT ENCOUNTERED **DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>0</p> <p>2.5</p> <p>5</p> <p>7.5</p> <p>10</p> <p>12.5</p> <p>15</p> </div> </div>		SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmv.</p> <p>...PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.8 ppmV.</p> <p>...very dense.</p> <p>...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV.</p>						
END OF BORING AT 15.5 FEET									

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JP07

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07282/ W:-114.97922  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-11-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>11 21 36</p> <p>11 21 36</p> <p>9 14 21</p>	SM	<p>Light yellowish brown (10 YR 6/4) silty SAND with gravel, moist and dense. PID: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.5 ppmV.</p> <p>...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.3 ppmV.</p> <p>...medium dense.</p> <p style="text-align: center;">END OF BORING AT 15.5 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-JS01

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07113/ W:-114.99171  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 1-28-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0	5 9 14	SM	Light yellowish brown (10YR 6/4) silty SAND with gravel, dry and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV. Yellowish brown (10YR 6/6) silty SAND with gravel, moist and medium dense.						
		SM							
2.5									
5									
7.5									
10	11 27 50/5		...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.  ...very dense.						
12.5									
			END OF BORING AT 13.0 FEET						
15									

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# EXPLORATION LOG GNC1-JS03

PROJECT: GALLERIA NORTH SUB-AREA	PROJECT NO.: 20082449V1
BORING LOCATION: N:36.07124/ W:-114.98942	EXPLORATION DATE: 1-27-09
EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS	EQUIPMENT: D-50 TRACK RIG
ELEVATION: EXISTING GROUND SURFACE	LOGGED BY: GACUSAN/MEHLHORN
INITIAL DEPTH TO WATER: NOT ENCOUNTERED	DATE MEASURED: N/A
FINAL DEPTH TO WATER: NOT ENCOUNTERED	DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>21 37 39</p> <p>24 22 50/5</p>	SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...weakly cemented to 8 feet.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.3 ppmV.</p> <p>...very dense.</p>						
			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JS04

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07114/ W:-114.98894

EXPLORATION DATE: 1-28-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>6 10 15</p> <p>11 27 32</p>	SM	<p>Very pale brown (10YR 7/3) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...dense.</p>						
			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JS05

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07142/ W:-114.98972

EXPLORATION DATE: 1-27-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>9 11 13</p> <p>19 25 36</p>	SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...light brown (7.5YR 6/4) and dense.</p> <p style="text-align: center;">END OF BORING AT 13.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JS06

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07136/ W:-114.98839  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 1-28-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						
		GM	Light yellowish brown (10YR 6/4) silty GRAVEL with sand, moist and medium dense.						
		SM	Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and dense.						
				...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.  ...dense.					
			<b>END OF BORING AT 13.0 FEET</b>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



# EXPLORATION LOG GNC1-JS08

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07207/ W:-114.98789

EXPLORATION DATE: 1-28-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>8 13 19</p> <p>21 46 37</p>	SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...dense.</p>						
			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.





# EXPLORATION LOG GNC1-JS11

PROJECT: <u>GALLERIA NORTH SUB-AREA</u>	PROJECT NO.: <u>20082449V1</u>
BORING LOCATION: <u>N:36.07309/ W:-114.98543</u>	EXPLORATION DATE: <u>1-29-09</u>
EXPLORATION SIZE (dia.): <u>8 1/2" O.D. H.S. AUGERS</u>	EQUIPMENT: <u>D-50 TRACK RIG</u>
ELEVATION: <u>EXISTING GROUND SURFACE</u>	LOGGED BY: <u>GACUSAN/HANSEN</u>
INITIAL DEPTH TO WATER: <u>NOT ENCOUNTERED</u>	DATE MEASURED: <u>N/A</u>
FINAL DEPTH TO WATER: <u>NOT ENCOUNTERED</u>	DATE MEASURED: <u>N/A</u>

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Very pale brown (10YR 7/3) silty SAND with gravel, moist and dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...medium dense.</p> <p style="text-align: center;">END OF BORING AT 13.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JS12

PROJECT: GALLERIA NORTH SUB-AREA	PROJECT NO.: 20082449V1
BORING LOCATION: N:36.07184/ W:-114.98283	EXPLORATION DATE: 2-10-09
EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS	EQUIPMENT: D-50 TRACK RIG
ELEVATION: EXISTING GROUND SURFACE	LOGGED BY: MARTINEZ/MEHLHORN
INITIAL DEPTH TO WATER: NOT ENCOUNTERED	DATE MEASURED: N/A
FINAL DEPTH TO WATER: NOT ENCOUNTERED	DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>9 14 24</p> <p>19 31 34</p>	SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.2 ppmV.</p> <p>..dense.</p>						
			END OF BORING AT 14.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JS13

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07370/ W:-114.98193  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-09-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: MARTINEZ/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>7 9 12</p> <p>11 11 14</p>	<p>SM</p> <p>ML</p>	<p>Light reddish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.2 ppmV.</p> <p>Mottled reddish yellow (7.5YR 6/6) and light greenish gray (GLEYS 1 8/5GY) SILT with sand, some gypsum, moist and very stiff.</p> <p style="text-align: center;">END OF BORING AT 14.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JS14

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07267/ W:-114.98046  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-2-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p>						
			END OF BORING AT 15.5 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JS15

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07206/ W:-114.97795

EXPLORATION DATE: 2-13-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
		SM	<p>Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...dense.</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JS15

PROJECT: GALLERIA NORTH SUB-AREA  
 BORING LOCATION: N:36.07206/ W:-114.97795  
 EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS  
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20082449V1  
 EXPLORATION DATE: 2-13-09  
 EQUIPMENT: D-50 TRACK RIG  
 LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED  
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A  
 DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
			<p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.1 ppmV.</p> <p>...very dense.</p>						
			<p>...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...encounter capillary fringe.</p>						
			END OF BORING AT 31.5 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JS16

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07324/ W:-114.97825

EXPLORATION DATE: 2-2-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
	<p>6 11 30</p> <p>4 13 28</p>	SM	<p>Very pale brown (10YR 7/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.1 ppmV.</p> <p>...PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.</p> <p>...dense.</p> <p style="text-align: center;">END OF BORING AT 13.0 FEET</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

# EXPLORATION LOG GNC1-JS17

PROJECT: GALLERIA NORTH SUB-AREA

PROJECT NO.: 20082449V1

BORING LOCATION: N:36.07126/ W:-114.97697

EXPLORATION DATE: 2-4-09

EXPLORATION SIZE (dia.): 8 1/2" O.D. H.S. AUGERS

EQUIPMENT: D-50 TRACK RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: GACUSAN/MEHLHORN

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	SWELL (%)	POCKET PENETROMETER (tsf)
0 2.5 5 7.5 10 12.5 15		SM	Light yellowish brown (10YR 6/4) silty SAND with gravel, moist and medium dense. PIDs: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV.						
		GM	Very pale brown (10YR 7/4) silty GRAVEL with sand, moist and dense.  ...PIDs: 10.6 eV = 0.2 ppmV, 11.7 eV = 1.2 ppmV.						
			END OF BORING AT 13.0 FEET						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.



**CHAIN-OF-CUSTODY FORMS  
AND  
TAILGATE SAFETY MEETING FORMS**

**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: EMSL**  
 Contact: Stephen Stegel  
 Address: 107 Haddon Avenue  
 Westmont, NJ 08108  
 Phone: 1-800-220-3675, ext. 1209

FED EX #: 061593210000676  
 SAMPLER(S) PRINTED NAME AND SIGNATURE: Mandy Sumner *[Signature]* Date: 1-26-09

**ANALYSIS REQUEST**

SAMPLE ID	DATE	TIME	Container						Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA	Asbestos Indicator Method 540	Percent Moisture
			H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA									
G-NCL-JD02-A/B	1-26-09	0900	X												X		
G-NCL-JD01-A/B	1-26-09	0905	X												X		
G-NCL-BB16-A/B	1-26-09	0910	X												X		
G-NCL-JD03-A/B	1-26-09	0915	X												X		
G-NCL-BC16-A/B	1-26-09	0920	X												X		
G-NCL-JS01-A/B	1-26-09	0930	X												X		
G-NCL-BC17-A/B	1-26-09	0935	X												X		
G-NCL-JS02-A/B	1-26-09	0940	X												X		
G-NCL-JS05-A/B	1-26-09	0950	X												X		
G-NCL-BC18-A/B	1-26-09	0955	X												X		

Comments/Instructions:

RELINQUISHED BY: *[Signature]* Signature: Mandy Sumner  
 RECEIVED BY: Fed Ex  
 RELINQUISHED BY: Fed Ex  
 RECEIVED BY:

Company Name/Title: G.S. Geology, Inc.  
 Date: 1-27-09 0900  
 Date: 1-27-09 0900

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barejas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: EMSL**  
 Contact: Stephen Siegel  
 Address: 107 Haddon Avenue  
 Westmont, NJ 08108  
 Phone: 1-800-220-3675, ext. 1209

FED EX #: 061593210000676      Date: 1-26-09

**SAMPLER(S) PRINTED NAME AND SIGNATURE**

Mandy Sumner 

**ANALYSIS REQUEST**

SAMPLE ID	DATE	TIME	Container						Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	FDA	Asbestos Indicator Method 540	Percent Moisture
			H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH										
G-NC1-JD02-A/B	1-26-09	0900	X															
G-NC1-JD01-A/B	1-26-09	0905	X															
G-NC1-BB16-A/B	1-26-09	0910	X															
G-NC1-JD03-A/B	1-26-09	0915	X															
G-NC1-BC16-A/B	1-26-09	0920	X															
G-NC1-JS01-A/B	1-26-09	0930	X															
G-NC1-BC17-A/B	1-26-09	0935	X															
G-NC1-JS02-A/B	1-26-09	0940	X															
G-NC1-JS05-A/B	1-26-09	0950	X															
G-NC1-BC18-A/B	1-26-09	0955	X															

**Comments/Instructions:**

RELINQUISHED BY:       Signature: Mandy Sumner  
 RECEIVED BY:       Signature: Mandy Sumner  
 RELINQUISHED BY:      Signature:      Print Name:      Company Name/Title:      Date:      Time:  
 RECEIVED BY:      Signature:      Print Name:      Company Name/Title:      Date:      Time:

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: EMSL  
 Contact: Stephen Siegel  
 Address: 107 Haddon Avenue  
 Westmont, NJ 08108  
 Phone: 1-800-220-3675, ext. 1209

FED EX #: 0615932 10000676

Date: 1-26-09

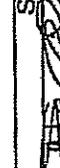
SAMPLER(S) PRINTED NAME AND SIGNATURE

Mandy Sumner 

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	EDA	Asbestos Filterator Method 540	Percent Moisture
			H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH										
GNC1-BC20-A/B	1-26-09	1045	X															
GNC1-BC20-A/B-FD	1-26-09	1045	X															
GNC1-BC21-A/B	1-26-09	1050	X															
GNC1-JS11-A/B	1-26-09	1115	X															
GNC1-BD21-A/B	1-26-09	1120	X															
GNC1-BD22-A/B	1-26-09	1125	X															
GNC1-BD23-A/B	1-26-09	1130	X															
GNC1-JB05-A/B	1-26-09	1135	X															
GNC1-BD24-A/B	1-26-09	1140	X															
GNC1-BE25-A/B	1-26-09	1200	X															

Comments/Instructions:

RELINQUISHED BY:  Signature: Mandy Sumner  
 RECEIVED BY: Fed Ex  
 Company Name/Title: Fed Ex  
 Date: 1-27-09  
 Time: 0900  
 Print Name: Mandy Sumner  
 Date: 1-27-09  
 Time: 0900

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albelawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: EMSL  
 Contact: Stephen Siegel  
 Address: 107 Haddon Avenue  
 Westmont, NJ 08108  
 Phone: 1-800-220-3675, ext. 1209

FED EX #: 061593210000676

Date: 1-26-09

SAMPLER(S) PRINTED NAME AND SIGNATURE

Mandy Sumar 

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Unpres	Container						Asbestos Elutriator Method 540	Percent Moisture
				H2SO4	HNO3	HCl	NaOH	ZnAc	EDA		
GNC1 - BE267-A/B	1-26-09	1210	X							X	
GNC1 - JB09-A/B	1-26-09	1215	X							X	
GNC1 - JB09-A/B-FD	1-26-09	1215	X							X	
GNC1 - BE27-A/B	1-26-09	1220	X							X	
GNC1 - JS16-A/B	1-26-09	1225	X							X	
GNC1 - JS07-A/B	1-26-09	1230	X							X	
GNC1 - BE28-A/B	1-26-09	1235	X							X	
GNC1 - BE29-A/B	1-26-09	1245	X							X	
GNC1 - BD29-A/B	1-26-09	1255	X							X	

Comments/Instructions:

RELINQUISHED BY:  Signature: Mandy Sumar Print Name: Mandy Sumar  
 RECEIVED BY: Fed Ex Date: 1-27-09 0900  
 RECEIVED BY: Fed Ex Date: 1-27-09 0900

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: EMSL**  
 Contact: Stephen Siegel  
 Address: 107 Haddon Avenue  
 Westmont, NJ 08108  
 Phone: 1-800-220-3675, ext. 1209

FED EX #: 0615932 1000616  
 ANALYSIS REQUEST Date: 1-26-09

**SAMPLER(S) PRINTED NAME AND SIGNATURE**

Mandy Summer *[Signature]*

PROJECT NAME: GALLERIA NORTH SUB AREA

PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container						Unpres	Asbestos Eurlator Method 540	Percent Moisture
			H2SO4	HNO3	HCl	NaOH	ZnAc	EDA			
G-NCL-BC18-A/B-FD	1-26-09	0955						X			
G-NCL-JS03-A/B	1-26-09	1000						X			
G-NCL-JS04-A/B	1-26-09	1005						X			
G-NCL-JS06-A/B	1-26-09	1008						X			
G-NCL-JD04-A/B	1-26-09	1010						X			
G-NCL-BC19-A/B	1-26-09	1020						X			
G-NCL-JD05-A/B	1-26-09	1025						X			
G-NCL-JS08-A/B	1-26-09	1030						X			
G-NCL-JD06-A/B	1-26-09	1035						X			
G-NCL-BD19-A/B	1-26-09	1040						X			

Comments/Instructions:

RELINQUISHED BY: *[Signature]* Signature: Mandy Summer Print Name: Mandy Summer  
 RECEIVED BY: *[Signature]* Company Name/Title: Ges Geolept Date: 1-27-09 Time: 0900  
 RECEIVED BY: *[Signature]* Date: 1-27-09 Time: 0900

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON  
 Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7962 9059 6640 Date: 1-28-09

SAMPLER(S) PRINTED NAME AND SIGNATURE  
 Monty Mehnhorn / *Monty Mehnhorn*  
 VICTORIA HANSEN / *Victoria Hansen*

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container						Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA	RADIONUCLIDES*	PERCHLORATE* by EPA 314.0	SVOCS* by 8270	PAH'S* by 8270SIM	PERCENT MOISTURE	
			H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA													
GNCL-JS01-0	1-28-09	0730							2s/												
GNCL-JS01-10	1-28-09	0750							2s/												
GNCL-JS02-0	1-28-09	0810							2s/												
GNCL-JS02-0-MSD	MSD 1-28-09	0810							2s/												
GNCL-JS02-10	1-28-09	0830							2s/												
GNCL-JS04-0	1-28-09	0900							2s/												
GNCL-JS04-0-FD	1-28-09	0900							2s/												
GNCL-JS04-10	1-28-09	0915							2s/												
GNCL-JS06-0	1-28-09	0935							2s/												
GNCL-JS06-10	1-28-09	0950							2s/												

ANALYSIS REQUEST

Comments/Instructions:  
 \* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *Monty Mehnhorn* Signature: *Monty Mehnhorn* Print Name: *Monty Mehnhorn*  
 RECEIVED BY: *Fed Ex* Date: 1-28-09 1700  
 RELINQUISHED BY: *Fed Ex* Date: 1-28-09 1700  
 RECEIVED BY: *Fed Ex* Date: 1-28-09 1700

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)  
 COPIES: Retained by Sampler, Sent to Office



ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: TestAmerica-St. Louis  
 Contact Person: Jerry Everett  
 Address: 13715 Rider Trail North  
 Earth City, Missouri 63045  
 Phone: (314) 298-8566

FED EX #: 797279950698 (FedEx 7962 83564090) <sup>vocs</sup>

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Simon*  
*Mandy Mehlhorn / Mandy Mehlhorn*

Date: 1-27-09

PROJECT NAME: GALLERIA NORTH SUB AREA

PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container						EDTA
			H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		
GNCI - JD02-0	1-27-09	0735							
GNCI - JD02-10	1-27-09	0750							
GNCI - JD02-10	1-27-09	0815							
GNCI - JD01-3	1-27-09	0818							
GNCI - JD01-13	1-27-09	0830							
GNCI - BB16-0	1-27-09	0910							
GNCI - BB16-10	1-27-09	0925							
TB-1 (1-27-09)	1-27-09	0600							X

Comments/Instructions:

- \* Please refer to Table 5 (Southern Ribs Sampling: emailed on October 17, 2008)
- <sup>1</sup> Analyze at TA-Sacramento
- <sup>2</sup> Analyze at TA-Nashville
- <sup>3</sup> Analyze at TA-Burlington
- <sup>4</sup> Please report results in dry weight, therefore all soil will require % moisture testing.
- <sup>5</sup> Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

Signature:

RELINQUISHED BY: *Fed Ex*

RECEIVED BY: *Mandy Simon*

Print Name:

Company Name/Title:

*Fed Ex*  
*Fed Ex*

Date:

1-27-09 1700  
 1-27-09 1700

RELINQUISHED BY:

Time:

RECEIVED BY:

Time:

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office





ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 79628355 6173

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mindy Sumner*  
*Monty Melhorn*

ANALYSIS REQUEST

Date: 1-27-09

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES by EPA 314.0	SVOCS* by 8270	PAHs* by 8270SIM	PERCENT MOISTURE
			H2SO4	HNO3	HCl	NaOH	ZnAcNaOH	EDA				
GNCI - JD02-0	1-27-09	0735	X						X	X	X	
GNCI - JD02-10	1-27-09	0750	X						X	X	X	
GNCI - JD01-0	1-27-09	0815	X						X	X	X	
GNCI - JD01-3	1-27-09	0818	X						X	X	X	
GNCI - JD01-13	1-27-09	0821	X						X	X	X	
GNCI - BB16-0	1-27-09	0910	X						X	X	X	
GNCI - BB16-10	1-27-09	0925	X						X	X	X	
GNCI - BC16-0	1-27-09	0940	X						X	X	X	
GNCI - BC16-10	1-27-09	0950	X						X	X	X	
GNCI - BC18-0	1-27-09	1005	X						X	X	X	

Comments/Instructions:

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *[Signature]* Signature: *Mindy Sumner* Print Name: *Mindy Sumner*

RECEIVED BY: *[Signature]* Company Name/Title: *Bes Sudept*

RECEIVED BY: *[Signature]* Date: 1-27-09 1706

RECEIVED BY: *[Signature]* Date: 1-27-09 1700

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2625 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7972 7997 2781

SAMPLER(S) PRINTED NAME AND SIGNATURE

Mandy Sumar  
 Mandy Mehorn / Mandy Mueller

Date: 1-27-09

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES	PERCHLORATE* by EPA 3140	SVOCs* by 8270	PAHs* by B270SIM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
GNC1 - BC18-10	1-27-09	1015	2s										
GNC1 - JS05-0	1-27-09	1035	2s										
GNC1 - JS05-10	1-27-09	1045	2s										
GNC1 - JS03-0	1-27-09	1105	2s										
GNC1 - JS03-10	1-27-09	1120	2s										
GNC1	1-27-09		2s										
GNC1	1-27-09		2s										
GNC1 - BC18-0-ED	1-27-09	1005	2s										

Comments/Instructions:

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *[Signature]* Signature: Mandy Sumar Print Name: Mandy Sumar  
 RECEIVED BY: Fed Ex Date: 1-27-09 1700  
 RECEIVED BY: Fed Ex Date: 1-27-09 1700

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: TestAmerica-St. Louis**  
 Contact Person: Jerry Everett  
 Address: 13715 Rider Trail North  
 Earth City, Missouri 63045  
 Phone: (314) 298-8566

FED EX #: 79727998 0827 (Fed Ex 7962 8386 4127)

**SAMPLER(S) PRINTED NAME AND SIGNATURE**

*Mandy Sumner*

Date: 1-27-09

**ANALYSIS REQUEST**

SAMPLE ID	DATE	TIME	Container						ION <sup>s</sup> by EPA 300.0	Dioxins/Furans <sup>4</sup> by EPA 8290	Gen. Chem <sup>4</sup> (please see methods)	pH by EPA 9045C/9040B	METALS <sup>4</sup> by EPA Methods 6010B/6020I/7471A/7470A	Hex chromium by EPA 7198A	OC Pesticides <sup>4</sup> by EPA 8081A	Aroclors <sup>5</sup> by EPA 8082	Congeners <sup>4</sup> by EPA 1688	Aldehydes <sup>2</sup> by EPA 8315	VOCs <sup>2</sup> by EPA 8260B	Physical Parameters <sup>3</sup>	Percent Moisture	
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH														EDA
TS-2 (1-27-09)	1-27-09	1300	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

**Comments/Instructions:**

- \* Please refer to Table 5 (Southern Ribs Sampling: emailed on October 17, 2008)
- 1 Analyze at TA-Sacramento
- 2 Analyze at TA-Nashville
- 3 Analyze at TA-Burlington
- 4 Please report results in dry weight, therefore all soil will require % moisture testing.
- 5 Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1688) is greater than 33 ppb, please analyze for aroclors by 8082

RELINQUISHED BY: *Mandy Sumner* Signature: \_\_\_\_\_ Print Name: Mandy Sumner  
 RECEIVED BY: \_\_\_\_\_ Company Name/Title: Ches Geddept  
 RELINQUISHED BY: *Ches Geddept* Date: 1-27-09 Time: 1700  
 RECEIVED BY: \_\_\_\_\_ Date: 1-27-09 Time: 1700

For Lab Use Only: Sample Condition Upon Receipt  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office



**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: EMSL**  
 Contact: Stephen Siegel  
 Address: 107 Haddon Avenue  
 Westmont, NJ 08108  
 Phone: 1-800-220-3675, ext. 1209

AS

FED EX #: 06159321000 GRS

Date: 1-28-09

**SAMPLER(S) PRINTED NAME AND SIGNATURE**

*Mandy Sumner*

**ANALYSIS REQUEST**

SAMPLE ID	DATE	TIME	Container						Unpres	Asbestos Elutriator Method 540	Percent Moisture
			H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH			
GNCI-JP01-A/B	1-28-09	0755						X			
GNCI-JB01-A/B	1-28-09	0800						X			
GNCI-JP04-A/B	1-28-09	0812						X			
GNCI-BC02-A/B	1-28-09	0818						X			
GNCI-JB02-A/B	1-28-09	0822						X			
GNCI-JB08-A/B	1-28-09	0833						X			
GNCI-JP08-A/B	1-28-09	0838						X			
GNCI-BC03-A/B	1-28-09	0840						X			
GNCI-JS12-A/B	1-28-09	0930						X			
GNCI-JP09-A/B	1-28-09	0934						X			

Comments/Instructions:

RELINQUISHED BY: *[Signature]* Signature: *Mandy Sumner* Print Name: *Mandy Sumner* Company Name/Title: *GeS Geolopt* Date: *1-28-09* Time: *1700*

RECEIVED BY: *Fed Ex* Date: *1-28-09* Time: *1700*

RELINQUISHED BY:

RECEIVED BY:

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office



**ERM CHAIN OF CUSTODY RECORD**

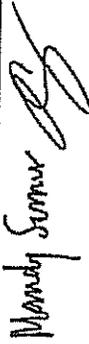
**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: EMSL**  
 Contact: Stephen Stegal  
 Address: 107 Haddon Avenue  
 Westmont, NJ 08108  
 Phone: 1-800-220-3675, ext. 1209

FED EX #: 06159321000690 MS

SAMPLER(S) PRINTED NAME AND SIGNATURE

Mandy Sumner 

Date: 1-28-09

**ANALYSIS REQUEST**

SAMPLE ID	DATE	TIME	Container						Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	EDA	Asbestos Filterator Method 540	Percent Moisture
			H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH										
GNCI - BD27-A/B	1-28-09	1031																
GNCI - BD27-A/B-FD	1-28-09	1031																
GNCI - JPO3-A/B	1-28-09	1037																
GNCI - BD28-A/B	1-28-09	1040																
GNCI - BC28-A/B	1-28-09	1045																
GNCI - JSIS-A/B	1-28-09	1048																
GNCI - BC27-A/B	1-28-09	1052																
GNCI - JBO3-A/B	1-28-09	1110																
GNCI - JPO6-A/B	1-28-09	1115																
GNCI - JPO5-A/B	1-28-09	1122																

Comments/Instructions:

RELINQUISHED BY:  Signature: Mandy Sumner Print Name: Mandy Sumner  
 RECEIVED BY: Fed Ex Company Name/Title: GES Geodent Date: 1-28-09 1700  
 RECEIVED BY: Fed Ex Date: 1-28-09 1700

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: EMSL  
 Contact: Stephen Siegel  
 Address: 107 Haddon Avenue  
 Westmont, NJ 08108  
 Phone: 1-800-220-3675, ext. 1209

FED EX #: 0615 93210000670

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Simon*

Date: 1-28-07

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	EDA	Asbestos Filterator Method 540	Percent Moisture
GNCL-JB06-A/R	1-28-07	1132																
GNCL-JB07-A/B	1-28-07	1148																
GNCL-JB07-A/B-FD	1-28-07	1148																
GNCL-JS17-A/B	1-28-07	1153																
GNCL-BC29-A/B	1-28-07	1205																

Comments/Instructions:

Signature:

*Mandy Simon*

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:

Print Name:

*Mandy Simon*

Company Name/Title:

*Des. Geologist  
Fed Ex*

Date:

*1-28-07 1700*

Time:

*1-28-07 1700*

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office









ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: EMSL  
 Contact: Stephen Siegel  
 Address: 107 Haddon Avenue  
 Westmont, NJ 08108  
 Phone: 1-800-220-3675, ext. 1209

FED EX #: 061593210000706

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Simer*

Date: 1-29-09

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	EDA	Asbestos Filterator Method 640	Percent Moisture
			H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH										
GNCI - JD07-A/B	1-29-09	0830	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GNCI - BD00-A/B	1-29-09	0835	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GNCI - JS10-A/B	1-29-09	0840	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GNCI - JS09-A/B	1-29-09	0845	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GNCI - JD08-A/B	1-29-09	0847	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GNCI - BE20-A/B	1-29-09	0851	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GNCI - BE21-A/B	1-29-09	0854	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GNCI - BE22-A/B	1-29-09	0858	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GNCI - BE24-A/B	1-29-09	0905	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GNCI - JS13-A/B	1-29-09	0908	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Comments/Instructions:

\* JD08 - A/B was collected at 0847.

RELINQUISHED BY: *[Signature]* Signature: *Mandy Simer* Print Name: *Mandy Simer*  
 RECEIVED BY: *[Signature]* Company Name/Title: *Cres Geologer* Date: *1-29-09* Time: *1700*  
 RECEIVED BY: *[Signature]* *Fed Ex* Date: *1-30-09* Time: *1700*  
 RECEIVED BY: \_\_\_\_\_

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: EMSL  
 Contact: Stephen Siegel  
 Address: 107 Haddon Avenue  
 Westmont, NJ 08108  
 Phone: 1-800-220-3675, ext. 1209

FED EX #: 06(S)93210000706

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumner*

Date: 1-29-09

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						Unpres	Asbestos Filterator Method 540	Percent Moisture
			H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH			
GNC1-J613-A/B-FD	1-29-09	0908							X		
GNC1-BE23-A/B	1-29-09	0916							X		
GNC1-BF02-A/B	1-29-09	0924							X		
GNC1-BF23-A/B	1-29-09	0940							X		
GNC1-BF24-A/B	1-29-09	0942							X		
GNC1-BG24-A/B	1-29-09	0945							X		
GNC1-BE23-A/B	1-29-09	0952							X		
GNC1-BG22-A/B	1-29-09	0957							X		
GNC1-BF21-A/B	1-29-09	0959							X		
GNC1-BG21-A/B	1-29-09	1003							X		

Comments/Instructions:

RELINQUISHED BY: *Mandy Sumner* Signature: *Mandy Sumner* Print Name: Mandy Sumner  
 RECEIVED BY: FedEx Date: 1-29-09 Time: 1700  
 RECEIVED BY: FedEx Date: 1-29-09 Time: 1700

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)  
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**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: GEL Laboratories, LLC**  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 558-8171

FED EX #: 7972 9109 2860 Date: 1-29-09  
 SAMPLER(S) PRINTED NAME AND SIGNATURE  
 Monty Mehlhorn / *Monty Mehlhorn*  
 VICTORIA HANSEN / *Victoria Hansen*

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES*	PERCHLORATE* by EPA 314.0	SVOCs* by 8270	PAHs* by 8270SM	PERCENT MOISTURE	
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH						BDA
PROJECT NAME: GALLERIA NORTH SUB AREA														
PROJECT NUMBER: 20082449V1														
GNC1-ID05-0	1-29-09	0725	2s											
GNC1-ID05-0-ED	1-29-09	0725	7s											
GNC1-ID05-10	1-29-09	0745	2s											
GNC1-BC20-0	1-29-09	0840	2s											
GNC1-BC20-10	1-29-09	0855	2s											
GNC1-BC21-0	1-29-09	0915	2s											
GNC1-BC21-10	1-29-09	0925	2s											
GNC1-BD22-0	1-29-09	0940	2s											
GNC1-BD22-10	1-29-09	0954	2s											
GNC1-5511-0	1-29-09	1010	2s											

Comments/Instructions:  
 \* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *Monty Mehlhorn* Signature: *Monty Mehlhorn* Print Name: *Monty Mehlhorn*  
 RECEIVED BY: *Fed Ex* Company Name/Title: *GEL/Geologist* Date: *1-29-09* Time: *1700*  
 RELINQUISHED BY: *Fed Ex* Date: *1-29-09* Time: *1700*  
 RECEIVED BY:

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)  
 COPIES: Retained by Sampler, Sent to Office

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2625 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7972 9109 2882

SAMPLER(S) PRINTED NAME AND SIGNATURE

Marty Mehlhorn / *Marty Mehlhorn*  
 VICTORIA HANSEN / *Victoria Hansen*

Date: 1-29-09

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Unpres	Container						RADIONUCLIDES*	PERCHLORATE* by EPA 3140	SVOCs* by 8270	PAHS* by 8270SIM	PERCENT MOISTURE
				H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA					
GNC1-JS11-0-ED	1-29-09	1010	2s											
GNC1-JS11-10	1-29-09	1025	2s											
GNC1-BD23-0	1-29-09	1050	2s											
GNC1-BD23-0-ms/m50	1-29-09	1050	2s											
GNC1-BD23-12	1-29-09	1105	2s											
GNC1-BD24-0	1-29-09	1135	2s											
GNC1-BD24-11	1-29-09	1135	2s											

Comments/Instructions:

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: Marty Mehlhorn

RECEIVED BY: Fed Ex

Signature: Marty Mehlhorn

Print Name: Marty Mehlhorn

Company Name/Title: GEL/Geologist

Date: 1-29-09 1700

RELINQUISHED BY: Fed Ex

RECEIVED BY: Fed Ex

Signature:

Print Name:

Company Name/Title:

Date:

Company Name/Title:

Date:

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office















**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: GEL Laboratories, LLC**  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7772 9168 8357

**SAMPLER(S) PRINTED NAME AND SIGNATURE**

*Mandy Sumner*  
*Monty Melhorn*  
 PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

**ANALYSIS REQUEST**

Date: 1-30-09

SAMPLE ID	DATE	TIME	Container						PERCHLORATE* by EPA 314.0	SVOCS* by 8270	PAH'S* by 8270SIM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
GNC1-JS10-0	1-30-09	0950	251									
GNC1-JS10-10	1-30-09	1000	251									
GNC1-BD21-0	1-30-09	1020	251									
GNC1-BD21-10	1-30-09	1030	251									
GNC1-JD08-0	1-30-09	1045	251									
GNC1-JD08-10	1-30-09	1105	251									
GNC1-JD09-0	1-30-09	1120	251									
GNC1-JD09-0-FD	1-30-09	1120	251									
GNC1-JD09-10	1-30-09	1140	251									

**Comments/Instructions:**

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

**RELINQUISHED BY:**

*Mandy Sumner*  
 Signature: *Mandy Sumner*

**RECEIVED BY:**

*Fed Ex*  
 Company Name/Title: *Fed Ex*

**RELINQUISHED BY:**

*Fed Ex*  
 Company Name/Title: *Fed Ex*

**RECEIVED BY:**

*Fed Ex*  
 Company Name/Title: *Fed Ex*

Date: 1-30-09

Date: 1-30-09

Date: 1-30-09

For Lab Use Only: Sample Condition Upon Receipt

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office









ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7972 95062398  
 SAMPLER(S) PRINTED NAME AND SIGNATURE: *Mandy Smith* Date: 2-2-09  
*Marty McInhorn / Mandy McInhorn*

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container						PERCHLORATE* by EPA 314.0	RADIONUCLIDES*	SVOCs* by 8270	PAHs* by 8270SIM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
G-NCL- BDA6-0-FD	2-2-09	0940	2s										
G-NCL- BD26-6	2-2-09	0955	2s										
G-NCL- BD26-16	2-2-09	1010	2s										
G-NCL- JB09-0	2-2-09	1030	2s										
G-NCL- JB09-9	2-2-09	1042	2s										
G-NCL- JB09-19	2-2-09	1100	2s										
G-NCL- JS16-0	2-2-09	1125	2s										
G-NCL- JS16-10	2-2-09	1140	2s										
G-NCL-	2-2-09		2s										

ANALYSIS REQUEST

Comments/instructions:  
 \* Please refer to Table 5 (Southern Ribs Sampling; emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *Mandy Smith* Signature: *Mandy Smith*  
 RECEIVED BY: *Fed Ex* Print Name: *Fed Ex*  
 RELINQUISHED BY: *Fed Ex* Company Name/Title: *Fed Ex*  
 RECEIVED BY: *Fed Ex* Date: 2-2-09 Time: 1700

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office









**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albelawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: TestAmerica-St. Louis**  
 Contact Person: Jerry Everett  
 Address: 13715 Rider Trail North  
 Earth City, Missouri 63045  
 Phone: (314) 298-8566

FED EX #: 7973 0339 4858 *LOGS: 7963 0696 3620*

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumar*  
*Mandy Melhorn / Mandy Melhorn*

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container							
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA	
GNC1-BD28-0	2-3-09	1235	45							
GNC1-BD28-10	2-3-09	1200	45							

**ANALYSIS REQUEST**

Analysis Request	Result
IONs* by EPA 300.0	X
Dioxins/Furans* by EPA 8280	X
Gen. Chem* (please see methods)	X
pH by EPA 9045C/8040B	X
METALS* by EPA Methods 6010B/6020/7471A/7470A	X
Hex chromium by EPA 7196A	X
OC Pesticides* by EPA 8081A	X
Aroclors* <sup>6</sup> by EPA 8082	X
Congeners* <sup>1</sup> by EPA 1668	X
Aldehydes* <sup>2</sup> by EPA 8315	X
VOCs* by EPA 8260B	X
Physical Parameters <sup>3</sup>	X
Percent Moisture	X

Date: 2-3-09

**Comments/Instructions:**

- \* Please refer to Table 5 (Southern Ribs Sampling: emailed on October 17, 2008)
- <sup>1</sup> Analyze at TA-Sacramento
- <sup>2</sup> Analyze at TA-Nashville
- <sup>3</sup> Analyze at TA-Burlington
- <sup>4</sup> Please report results in dry weight, therefore all soil will require % moisture testing.
- <sup>5</sup> Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

RELINQUISHED BY: \_\_\_\_\_  
 RECEIVED BY: *Mandy Sumar*  
 Signature: *Mandy Sumar*  
 Company Name/Title: *TestAmerica*  
 Date: 2-3-09  
 Time: 1700

RELINQUISHED BY: \_\_\_\_\_  
 RECEIVED BY: \_\_\_\_\_

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

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ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7973 0338 4342

SAMPLER(S) PRINTED NAME AND SIGNATURE

Mandy Sumner  
 Monty Mehler / Mandy Sumner

Date: 2-3-09

PROJECT NAME: GALLERIA NORTH SUB AREA

PROJECT NUMBER: 20082449V1

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES	PERCHLORATE by EPA 314.0	SVOCs by 8270	PAHs by 8270SIM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
G-NCI - BE26-0	2-3-09	0800	25										
G-NCI - BE26-0-AS/MSD	2-3-09	0800	25										
G-NCI - BE26-4	2-3-09	0812	25										
G-NCI - BE26-14	2-3-09	0915	25										
G-NCI - BE27-0	2-3-09	0945	25										
G-NCI - BE27-12	2-3-09	1000	25										
G-NCI - JS07-0	2-3-09	1035	25										
G-NCI - JS07-0-FD	2-3-09	1035	25										
G-NCI - JS07-10	2-3-09	1055	25										
G-NCI - BE28-0	2-3-09	1115	25										

Comments/Instructions:

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *[Signature]* Signature: Mandy Sumner  
 RECEIVED BY: FedEx  
 RELINQUISHED BY: *[Signature]* Print Name: Mandy Sumner  
 RECEIVED BY: FedEx  
 Date: 2-3-09  
 Time: 1700

Company Name/Title: FedEx  
 Date: 2-3-09  
 Time: 1700

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 ORIGINAL: Send with sample (sign only in blue or black ink)

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ERM CHAIN OF CUSTODY RECORD

**ERM CONTACT PERSON**  
 Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: GEL Laboratories, LLC**  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 79730338 4239  
 ANALYSIS REQUEST Date: 2-3-09

SAMPLER(S) PRINTED NAME AND SIGNATURE  
 Mandy Sumner  
 Mandy Mehlhorn / Mandy Mehlhorn  
 PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES	PERCHLORATE* by EPA 314.0	SVCS* by 8270	PAHS* by 8270SIM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
GNCI - B228-10	2-3-09	1125	251										
GNCI - JS18-0	2-3-09	1145	261										
GNCI - JS18-10	2-3-09	1200	251										
GNCI - B228-0	2-3-09	1235	261										
GNCI - B228-10	2-3-09	1300	251										

Comments/Instructions:  
 \* Please refer to Table 5 (Southern Ribs Sampling; emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: Fed Ex  
 RECEIVED BY: Mandy Sumner  
 Signature: Mandy Sumner  
 Print Name: Mandy Sumner  
 Company Name/Title: GEL Laboratories  
 Date: 2-3-09  
 Time: 1700

RELINQUISHED BY:  
 RECEIVED BY:

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

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ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: TestAmerica-St. Louis  
 Contact Person: Jerry Everett  
 Address: 13715 Rider Trail North  
 Earth City, Missouri 63045  
 Phone: (314) 298-8566

FED EX #: 7973 0364 3443 VOCs: 7963 0721 2410  
 SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sauer*  
*Monty Mellon*  
 Mandy Sauer  
 Monty Mellon

Date: 2-4-09

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container						EDTA
			H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		
GMU - JS17-0	2-4-09	0955	451						
GMU - JS17-10	2-4-09	1010	451						
GMU - BC28-0	2-4-09	1050	451						
GMU - BC28-0-N5/mid	2-4-09	1050	451						
GMU - BC28-11	2-4-09	1100	451						
GMU - BC27-0	2-4-09	1130	451						
GMU - BC27-0-FD	2-4-09	1130	451						
IS									
NS									
MS									

ANALYSIS REQUEST

IONs <sup>1</sup> by EPA 300.0	X
Dioxin/Furans <sup>1</sup> by EPA 8290	X
Gen. Chem <sup>1</sup> (please see methods)	X
pH by EPA 8046C/8040B	X
METALS <sup>1</sup> by EPA Methods 6010B/8020/7471A/7470A	X
Hex chromium by EPA 7188A	X
OC Pesticides <sup>2</sup> by EPA 8081A	X
Aroclors <sup>2</sup> by EPA 8082	X
Congeners <sup>2</sup> by EPA 1688	X
Aldehydes <sup>2</sup> by EPA 8315	X
VOCs <sup>2</sup> by EPA 8260B	X
Physical Parameters <sup>3</sup>	X
Percent Moisture	X

Comments/Instructions:  
 \* Please refer to Table 5 (Southern Ribs Sampling; emailed on October 17, 2008)  
 1 Analyze at TA-Sacramento  
 2 Analyze at TA-Nashville  
 3 Analyze at TA-Burlington  
 4 Please report results in dry weight, therefore all soil will require % moisture testing.  
 5 Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

RELINQUISHED BY: *Fedex* Signature: *Mandy Sauer* Print Name: Mandy Sauer  
 RECEIVED BY: *Fedex* Company Name/Title: Fedex  
 RELINQUISHED BY: *Fedex* Date: 2-4-09 Time: 1700  
 RECEIVED BY: *Fedex* Date: 2-4-09 Time: 1700

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**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: TestAmerica-St. Louis**  
 Contact Person: Jerry Everett  
 Address: 13715 Rider Trail North  
 Earth City, Missouri 63045  
 Phone: (314) 298-8566

Date: 2-4-09

FED EX #: 7963 0721 2512

SAMPLER(S) PRINTED NAME AND SIGNATURE

Mandy Sumner  
 Monty Melhorn

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 2082449V1

SAMPLE ID	DATE	TIME	Container							
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA	
GNC1-BC27-10	2-4-09	1145	✓							
GNC1-JP05-0	2-4-09	1220	✓							
GNC1-JP05-10	2-4-09	1240	✓							
GNC1	2-4-09	1315	✓							

ANALYSIS REQUEST	
IONS* by EPA 300.0	✓
Dioxins/Furans* by EPA 8290	✓
Gen. Chem* (please see methods)	✓
pH by EPA 8045C/8040B	✓
METALS* by EPA Methods 8010B/6020/7471A/7470A	✓
Hex chromium by EPA 7190A	✓
OC Pesticides* by EPA 8081A	✓
Aroclors* by EPA 8082	✓
Congeners* by EPA 1668	✓
Aldehydes* by EPA 8316	✓
VOCs* by EPA 8260B	✓
Physical Parameters 3*	✓
Percent Moisture	✓

**Comments/Instructions:**

- \* Please refer to Table 5 (Southern Ribs Sampling, emailed on October 17, 2008)
- <sup>1</sup> Analyze at TA-Sacramento
- <sup>2</sup> Analyze at TA-Nashville
- <sup>3</sup> Analyze at TA-Burlington
- <sup>4</sup> Please report results in dry weight, therefore all soil will require % moisture testing.
- <sup>5</sup> Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

RELINQUISHED BY: *[Signature]* Signature: Mandy Sumner  
 RECEIVED BY: *[Signature]* Company Name/Title: TestAmerica  
 RECEIVED BY: *[Signature]* Date: 2-4-09 Time: 1700  
 RECEIVED BY: *[Signature]* Date: 2-4-09 Time: 1700

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

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ERM CHAIN OF CUSTODY RECORD

**ERM CONTACT PERSON**  
 Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378  
 FED EX #: 7773 0303 5905

**LABORATORY: GEL Laboratories, LLC**  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

SAMPLER(S) PRINTED NAME AND SIGNATURE  
 Date: 2-4-09

Mandy Somar  
 Mandy Mehlhorn

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES	PERCHLORATE* by EPA 314.0	SVOCs* by 8270	PAHS* by 8270SM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAcNaOH					
GNCI- BE29-0	2-4-09	0705											
GNCI- BE29-0-FD	2-4-09	0705											
GNCI- BE29-10	2-4-09	0720											
GNCI- BD29-0	2-4-09	0740											
GNCI- BD29-10	2-4-09	0755											
GNCI- BC29-0	2-4-09	0825											
GNCI- BC29-10	2-4-09	0845											
GNCI- JS17-0	2-4-09	0955											
GNCI- JS17-10	2-4-09	1010											
GNCI-	2-4-09												

ANALYSIS REQUEST

Comments/Instructions:  
 \* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: Fed Ex  
 RECEIVED BY: Mandy Somar  
 Signature: [Signature]  
 Print Name: Mandy Somar  
 Company Name/Title: GEL Laboratories  
 Date: 2-4-09  
 Time: 1700

RELINQUISHED BY:  
 RECEIVED BY:

For Lab Use Only: Sample Condition Upon Receipt  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

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**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: GEL Laboratories, LLC**  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 796307205110 Date: 2-4-09

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Marnely Sumar Coy*  
*Marty Melhorn/Marnely Sumar*

**ANALYSIS REQUEST**

SAMPLE ID	DATE	TIME	Unpres	H2SO4	HNO3	HCl	Container			RADIONUCLIDES	PERCHLORATE* by EPA 3140	SVOCs* by 8270	PAHs* by 8270SIM	PERCENT MOISTURE
							NaOH	ZnAc/NaOH	EDA					
GNC1 - BC28-0	2-4-09	1050	2a											
GNC1 - BC28-0-MS/MSD	2-4-09	1050	2a											
GNC1 - BC28-11	2-4-09	1100	2a											
GNC1 - BC27-0	2-4-09	1130	2a											
GNC1 - BC27-0-FD	2-4-09	1130	2a											
GNC1 - BC27-10	2-4-09	1145	2a											
GNC1 - JPOS-0	2-4-09	1220	2a											
GNC1 - JPOS-11	2-4-09	1240	2a											

**Comments/Instructions:**

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *[Signature]* Signature: *Marnely Sumar* Print Name: *Marnely Sumar*  
 RECEIVED BY: *[Signature]* Company Name/Title: *Ges. Geol. Fed. Ex.*  
 RELINQUISHED BY: *[Signature]* Date: *2-4-09* Time: *1700*  
 RECEIVED BY: *[Signature]* Date: *2-4-09* Time: *1700*

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

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ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7963 1142 7579

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumner*

Date: 2-5-09

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES	PERCHLORATE* by EPA 814.0	SVOCs* by 8270	PAHs* by 8270SIM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
GNCI - BE19-0	2-5-09	0740											
GNCI - BE19-10	2-5-09	0800											
GNCI - BE19-0	2-5-09	0820											
GNCI - BE19-11	2-5-09	0835											
GNCI - BE19-0	2-5-09	0855											
GNCI - BE19-10	2-5-09	0910											
GNCI - BE20-0	2-5-09	0930											
GNCI - BE20-0-FD	2-5-09	0930											
GNCI - BE20-10	2-5-09	0950											
GNCI - BE21-0	2-5-09	1010											

Comments/Instructions:

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

Signature:

*Fed Ex*

RELINQUISHED BY:  
 RECEIVED BY: Fed Ex

Print Name:  
 Mandy Sumner

Company Name/Title:  
 Ges Cooleport  
 Fed Ex

Date: 2-5-09  
 Date: 2-5-09

Time: 1700  
 Time: 1709

RELINQUISHED BY:

RECEIVED BY:

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 ORIGINAL: Send with sample (sign only in blue or black ink)

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ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barejas-Albatawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 79730785 8220

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumner*

*Mandy Mehlhorn*

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

Date: 2-5-09

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES*	PERCHLORATE* by EPA 314.0	SVOCS* by 8270	PAH'S* by 8270SIM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
GNCI - BG21-10	2-5-09	1015							X	X	X		
GNCI - BG22-0	2-5-09	1110							X	X	X		
GNCI - BG22-10	2-5-09	1130							X	X	X		
GNCI - BE21-0	2-5-09	1145							X	X	X		
GNCI - BE21-10	2-5-09	1200							X	X	X		
GNCI - BE22-0	2-5-09	1215							X	X	X		
GNCI - BE22-10	2-5-09	1230							X	X	X		

Comments/Instructions:

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

Signature:

*Fed Ex*

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:

Print Name:

*Mandy*

Company Name/Title:

*Cy's Control Fed Ex*

Date:

2-5-09

Time:

1700

2-5-09

970

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ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7973 0786 2895

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumner*  
*Mandy McMillan*  
*Mandy McMillan*

Date: 2-6-09

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						Unpres	RADIONUCLIDES*	PERCHLORATE* by EPA 314.0	SVOCS* by B270	PAHs* by B270SIM	PERCENT MOISTURE	SPLP
			H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA							
GNC1 - BE20-0	2-6-09	0710						251	X	X	X	X	X		
GNC1 - BE20-0-FD	2-6-09	0710						251	X	X	X	X	X		
GNC1 - BE20-0-melmsida	2-6-09	0710						251	X	X	X	X	X		
GNC1 - BE20-1A	2-6-09	0800						251	X	X	X	X	X		
GNC1 - BE21-0	2-6-09	0815						251	X	X	X	X	X		
GNC1 - BE21-10	2-6-09	0830						251	X	X	X	X	X		
GNC1 - BE20-0	2-6-09	0900						251	X	X	X	X	X		
GNC1 - BE20-10	2-6-09	0910						251	X	X	X	X	X		
GNC1 - BE22-0	2-6-09	1000						251	X	X	X	X	X		
GNC1 - BE22-10	2-6-09	1015						251	X	X	X	X	X		

Comments/Instructions:

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *Mandy Sumner* Signature: *Mandy Sumner* Print Name: Mandy Sumner

RECEIVED BY: *Fed Ex* Signature: *Fed Ex* Print Name: Fed Ex

RELINQUISHED BY: *GES Geology Fed Ex* Signature: *GES Geology Fed Ex* Print Name: GES Geology Fed Ex

RECEIVED BY: *GES Geology Fed Ex* Signature: *GES Geology Fed Ex* Print Name: GES Geology Fed Ex

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

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**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**  
 Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: GEL Laboratories, LLC**  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7973 1950 6993  
 SAMPLER(S) PRINTED NAME AND SIGNATURE: *Mandy Sumner* Date: 2-9-09  
*Monty Mehler*

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container						PERCHLORATE* by EPA 314.0	SVOCs* by 8270	PAHs* by 8270SIM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
GNC1 - JD10-0	2-9-09	0920	251									
GNC1 - JD10-11	2-9-09	0935	251									
GNC1 - JDM-0	2-9-09	0950	251									
GNC1 - JDM-11	2-9-09	1000	251									
GNC1 - B624-0	2-9-09	1020	251									
GNC1 - B624-11	2-9-09	1040	251									
GNC1 - BF24-0	2-9-09	1055	251									
GNC1 - BF24-0-FD	2-9-09	1055	251									
GNC1 - BF24-11	2-9-09	1110	251									
GNC1 -	2-9-09		251									

ANALYSIS REQUEST

Comments/Instructions:  
 \* Please refer to Table 5 (Southern Ribs Sampling; emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *Mandy Sumner* Signature: *Mandy Sumner* Print Name: Mandy Sumner  
 RECEIVED BY: *Fred Ego* Company Name/Title: *Che's Gadgets* Date: 2-9-09 Time: 1700  
 RECEIVED BY: Date: 2-9-09 Time: 1700

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**  
 Name: Maria Barajas-Albalawi  
 Address: 2525 Matomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: GEL Laboratories, LLC**  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7973 1750 6908  
 ANALYSIS REQUEST Date: 2-9-09

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumner*  
*Monty Mehlhorn*  
*Mandy Mellor*

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20D82449V1

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES	PERCHLORATE* by EPA 314.0	SVCs* by 8270	PAHs* by 8205IM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
GNCI - BE24-0	2-9-09	1140	251										
GNCI - BE24-0-MS/MSD	2-9-09	1140	251										
GNCI - BE24-10	2-9-09	1158	251										
GNCI - JS13-0	2-9-09	1210	251										
GNCI - JS13-11	2-9-09	1220	251										

**Comments/Instructions:**  
 \* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *Fed Ex* Signature: *Mandy Sumner* Print Name: Mandy Sumner  
 RECEIVED BY: *Fed Ex*  
 RELINQUISHED BY: *Fed Ex* Company Name/Title: *Ops Geology*  
 RECEIVED BY: *Fed Ex* Date: 2-9-09 Time: 1700

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office





**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**  
 Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: TestAmerica-St. Louis**  
 Contact Person: Jerry Everett  
 Address: 13715 Rider Trail North  
 Earth City, Missouri 63045  
 Phone: (314) 298-8666

FED EX #: 7973 1953 0787 (VOCs 7963 231 3410)  
 SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumar*  
*Monty Mehlsorn*

Date: 2-10-09

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container								
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA		
G-MCI - JP01-0	2-10-09	0715	45l								
G-MCI - JP01-10	2-10-09	0730	45l								
G-MCI - JB01-0	2-10-09	0745	45l								
G-MCI - JB01-3	2-10-09	0755	45l								
G-MCI - JB01-13	2-10-09	0805	45l								
G-MCI - JP04-0	2-10-09	0830	45l								
G-MCI - JP04-0-FD	2-10-09	0830	45l								
TB-1(2-10-09)	2-10-09	0600									X

ANALYSIS REQUEST											
IONs* by EPA 300.0	X										
Dioxins/Furans* by EPA 8290	X										
Gen. Chem* (please see methods)	X										
pH by EPA 9045C/9040B	X										
METALS* by EPA Methods 6010B/6020/7471A/7470A	X										
Hex chromium by EPA 7195A	X										
OC Pesticides* by EPA 8081A	X										
Aroclors* by EPA 8082	X										
Congeners* by EPA 1668	X										
Aldehydes* by EPA 8315	X										
VOCs* by EPA 8260B	X										
Physical Parameters 3*	X										
Percent Moisture	X										

**Comments/Instructions:**

- \* Please refer to Table 5 (Southern Risks Sampling: emailed on October 17, 2008)
- <sup>1</sup> Analyze at TA-Sacramento
- <sup>2</sup> Analyze at TA-Nashville
- <sup>3</sup> Analyze at TA-Burlington
- <sup>4</sup> Please report results in dry weight, therefore all soil will require % moisture testing.
- <sup>5</sup> Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

RELINQUISHED BY: *Feder* Signature: *Feder* Print Name: *Feder*

RECEIVED BY: *Mandy Sumar* Signature: *Mandy Sumar* Print Name: *Mandy Sumar*

RELINQUISHED BY: *Ceb* Signature: *Ceb* Print Name: *Ceb*

RECEIVED BY: *Red Eye* Signature: *Red Eye* Print Name: *Red Eye*

Date: 2-10-09 1700

Date: 2-10-09 1700

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office









**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**  
 Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: GEL Laboratories, LLC**  
 Contact Person: Armanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7962 2309 4650  
 Date: 2-16-09

SAMPLER(S) PRINTED NAME AND SIGNATURE

Mandy Summ *[Signature]*  
 Mandy Melkham / Mandy Phells *[Signature]*

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container						EDS	PERCHLORATE* by EPA 314.0	SVOCs* by 8270	PAHs* by 8270SIM	PERCENT MOISTURE	ANALYSIS REQUEST
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH						
GNC1 - BC23-0	2-10-09	10:20	2s						X	X	X	X		
GNC1 - BC23-10	2-10-09	10:35	2s						X	X	X	X		
GNC1 - JPO8-0	2-10-09	10:50	2s						X	X	X	X		
GNC1 - JPO8-0-PD	2-10-09	10:50	2s						X	X	X	X		
GNC1 - JPO8-0-MS/SP	2-10-09	10:50	2s						X	X	X	X		
GNC1 - JPO8-12	2-10-09	10:50	2s						X	X	X	X		
GNC1 - JST8-0-12-0	2-10-09	11:00	2s						X	X	X	X		
GNC1 - JST8-0-12-11	2-10-09	11:20	2s						X	X	X	X		
GNC1 - BC24-0	2-10-09	11:30	2s						X	X	X	X		
GNC1 - BC24-11	2-10-09	12:30	2s						X	X	X	X		
	2-10-09	12:40	2s						X	X	X	X		

Comments/Instructions:  
 \* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *[Signature]* Signature: Mandy Summ  
 RECEIVED BY: *[Signature]* Print Name: Mandy Summ  
 RELINQUISHED BY: *[Signature]* Company Name/Title: GEL Laboratories  
 RECEIVED BY: *[Signature]* Date: 2-10-09 Time: 1:00  
 Date: 2-10-09 Time: 1:10

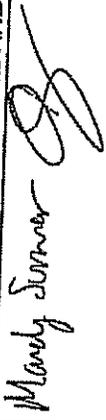
For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)  
 COPIES: Retained by Sampler, Sent to Office

**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Batejas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: TestAmerica-St. Louis**  
 Contact Person: Jerry Everett  
 Address: 13715 Rider Trail North  
 Earth City, Missouri 63045  
 Phone: (314) 298-8566

FED EX #: 7163 2311 3512 (7973 1953 1159) Date: 2-10-09  
 SAMPLER(S) PRINTED NAME AND SIGNATURE  
 Mandy Janner 

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container							
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA	
Riv's site 8	2-10-09	1400	X	X	X	X	X	X	X	
TB-2 (2-10-09)	2-10-09	1400								X

**Comments/Instructions:**

- \* Please refer to Table 5 (Southern Ribs Sampling: emailed on October 17, 2008)
- 1 Analyze at TA-Sacramento
- 2 Analyze at TA-Nashville
- 3 Analyze at TA-Burlington
- 4 Please report results in dry weight, therefore all soil will require % moisture testing.
- 5 Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

RELINQUISHED BY:  Signature: Mandy Janner  
 RECEIVED BY:  Print Name: Mandy Janner  
 RELINQUISHED BY:  Company Name/Title: CES-Cecology  
 RECEIVED BY:  Date: 2-10-09  
 Time: 1700  
 Date: 2-10-09  
 Time: 1700

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office



ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: TestAmerica-St. Louis  
 Contact Person: Jerry Everett  
 Address: 13715 Rider Trail North  
 Earth City, Missouri 63045  
 Phone: (314) 298-8566

FED EX #: 7963 2312 0000 (7973 1953 7569)  
 SAMPLER(S) PRINTED NAME AND SIGNATURE  
 Mandy Sumner  
 Mandy Melhorn / Mandy Melhorn

Date: 2-11-09

SAMPLE ID	DATE	TIME	Container						EDTA
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	
GNC1-JB05-0	2-11-09	0735	Ys						
GNC1-JB05-7	2-11-09	0745	Ys						
GNC1-JB05-17	2-11-09	0800	Ys						
GNC1-JB02-0	2-11-09	0835	Ys						
GNC1-JB02-5	2-11-09	0845	Ys						
GNC1-JB02-15	2-11-09	0910	Ys						
GNC1-JB04-0	2-11-09	0930	Ys						
TB-1 (2-11-09)	2-11-09	0600							X

Comments/Instructions:

- \* Please refer to Table 5 (Southern Ribs Sampling: emailed on October 17, 2008)
- <sup>1</sup> Analyze at TA-Sacramento
- <sup>2</sup> Analyze at TA-Nashville
- <sup>3</sup> Analyze at TA-Burlington
- <sup>4</sup> Please report results in dry weight, therefore all soil will require % moisture testing.
- <sup>5</sup> Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

RELINQUISHED BY: Fed Ex	Signature: Mandy Sumner	Company Name/Title: Fed Ex	Date: 2/11/09	Time: 1200
RECEIVED BY: Fed Ex	Signature: Mandy Sumner	Company Name/Title: Fed Ex	Date: 2/11/09	Time: 1200
RELINQUISHED BY:				
RECEIVED BY:				

For Lab Use Only: Sample Condition Upon Receipt

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Batejas-Albellawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: TestAmerica-St. Louis  
 Contact Person: Jerry Everett  
 Address: 13715 Rider Trail North  
 Earth City, Missouri 63045  
 Phone: (314) 298-8566

FED EX #: 7973 1953 7617  
 SAMPLER(S) PRINTED NAME AND SIGNATURE  
 Date: 2-11-09

*Mandy Sumner*  
*Monty Mehlnhorn*

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container					EDTA
			H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	
GNC1 - JB04-0-FD	2-11-09	0930	X	X	X	X	X	X
GNC1 - JB04-7	2-11-09	0945	X	X	X	X	X	X
GNC1 - JB04-17	2-11-09	1005	X	X	X	X	X	X
GNC1 - JB10-0	2-11-09	1050	X	X	X	X	X	X
GNC1 - JB10-8	2-11-09	1105	X	X	X	X	X	X
GNC1 - JB10-18	2-11-09	1115	X	X	X	X	X	X
GNC1 - JP03-0	2-11-09	1145	X	X	X	X	X	X

ANALYSIS REQUEST

IONs* by EPA 300.0	Dioxins/Furans** by EPA 8290	Gen. Chem* (please see methods)	pH by EPA 8046C/8040B	METALS* by EPA Methods 6010B/6020/7471A/7470A	Hex chromium by EPA 7196A	OC Pesticides** by EPA 8081A	Aroclors** by EPA 8082	Congeners** by EPA 1668	Aldehydes** by EPA 8315	VOCs* by EPA 8260B	Physical Parameters 3*	Percent Moisture
X	X	X	X	X	X	X	X	X	X	X	X	X

Comments/Instructions:

- \* Please refer to Table 5 (Southern Ribs Sampling: emailed on October 17, 2008)
- <sup>1</sup> Analyze at TA-Sacramento
- <sup>2</sup> Analyze at TA-Nashville
- <sup>3</sup> Analyze at TA-Burlington
- <sup>4</sup> Please report results in dry weight, therefore all soil will require % moisture testing.
- <sup>5</sup> Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

RELINQUISHED BY: *[Signature]* Print Name: Mandy Sumner  
 RECEIVED BY: *[Signature]* Company Name/Title: *[Signature]*  
 RELINQUISHED BY: *[Signature]* Date: 2-11-09 Time: 1700  
 RECEIVED BY: *[Signature]* Date: 2-11-09 Time: 1700

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office



ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7963 2209 9776

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumner*  
 Mandy Sumner  
 PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

Date: 2-11-09

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES	PERCHLORATE* by EPA 314.0	SVOCS* by 8270	PAHS* by 8270S1M	PERCENT MOISTURE
			H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA					
GNC1 - JB05-0	2-11-09	0735	2A										
GNC1 - JB05-7	2-11-09	0745	2A										
GNC1 - JB05-17	2-11-09	0800	2A										
GNC1 - JB02-0	2-11-09	0835	2A										
GNC1 - JB02-5	2-11-09	0845	2A										
GNC1 - JB02-15	2-11-09	0910	2A										
GNC1 - JB04-0	2-11-09	0936	2A										
GNC1 - JB04-0-FD	2-11-09	0930	2A										
GNC1 - JB04-7	2-11-09	0945	2A										
GNC1 - JB04-17	2-11-09	1005	2A										

Comments/Instructions:

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *Mandy Sumner* Print Name: Mandy Sumner  
 RECEIVED BY: *[Signature]* Company Name/Title: Ops. Geology  
 RECEIVED BY: *[Signature]* Date: 2-11-09 Time: 1700  
 RECEIVED BY: *[Signature]* Date: 2-11-09 Time: 1700

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CHAIN OF CUSTODY RECORD

**ERM CONTACT PERSON**  
 Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: GEL Laboratories, LLC**  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 776323097675  
 SAMPLER(S) PRINTED NAME AND SIGNATURE: *Mandy Sumner*  
 Date: 2/11/09

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1  
 Container: 

EDTA	
ZnAcNaOH	
NaOH	
HCl	
HNO3	
H2SO4	
Unpres	

SAMPLE ID	DATE	TIME	Container							ANALYSIS REQUEST										
			EDTA	ZnAcNaOH	NaOH	HCl	HNO3	H2SO4	Unpres	RADIONUCLIDES	PERCHLORATE* by EPA 814.0	SVOCs* by 8270	PAHs* by 8270SIM	PERCENT MOISTURE						
GNC1-JB10-6	2-11-09	1050							X	X	X	X	X	X						
GNC1-JB10-8	2-11-09	1105							X	X	X	X	X	X						
GNC1-JB10-18	2-11-09	1115							X	X	X	X	X	X						
GNC1-JP03-0	2-11-09	1145							X	X	X	X	X	X						
GNC1-JP03-12	2-11-09	1150							X	X	X	X	X	X						
GNC1-JP07-0	2-11-09	1215							X	X	X	X	X	X						
GNC1-JP07-0-MSMSD	2-11-09	1215							X	X	X	X	X	X						
GNC1-JP07-4	2-11-09	1225							X	X	X	X	X	X						
GNC1-JP07-14	2-11-09	1245							X	X	X	X	X	X						

Comments/Instructions: \* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *Mandy Sumner* Signature: *Mandy Sumner* Print Name: Mandy Sumner  
 RECEIVED BY: *Ces Celedon* Company Name/Title: Ces Celedon  
 RECEIVED BY: *Fed Ex* Date: 2-11-09 1700  
 RECEIVED BY: Date: 2-11-09 1700

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)  
 COPIES: Retained by Sampler, Sent to Office







**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: TestAmerica-St. Louis**  
 Contact Person: Jerry Everett  
 Address: 13715 Rider Trail North  
 Earth City, Missouri 63045  
 Phone: (314) 298-8566

FED EX #: 7963 2437 9312  
 Date: 2-12-09

**SAMPLER(S) PRINTED NAME AND SIGNATURE**

Mandy Sumner  
 Monty Mehlhorn

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Container						EDTA	ZnAc/NaOH
			H2SO4	HNO3	HCl	NaOH	Unpres			
GNC1 - BC26-11	2-12-09	1046								
GNC1 - BD27-0	2-12-09	1125								
GNC1 - BD27-16	2-12-09	1150								
GNC1 - BD27-20	2-12-09	1210								
GNC1 - JP06-0	2-12-09	1230								
GNC1 - JP06-0-FD	2-12-09	1230								
GNC1 - JP06-3	2-12-09	1245								
GNC1 - JP06-13	2-12-09	1300								

**ANALYSIS REQUEST**

IONS* by EPA 300.0	Dioxins/Furans* by EPA 8290	Gen. Chem* (please see methods)	pH by EPA 9045C/9040B	METALS* by EPA Methods 6010B/6020/7471A/7470A	Hex chromium by EPA 7196A	OC Pesticides* by EPA 8081A	Aroclors** by EPA 8082	Congeners* by EPA 1868	Aldehydes* by EPA 8315	VOCs* by EPA 8260B	Physical Parameters 3*	Percent Moisture
X	X	X	X	X	X	X	X	X	X	X	X	X

**Comments/Instructions:**

- \* Please refer to Table 5 (Southern Ribs Sampling: emailed on October 17, 2008)
- 1 Analyze at TA-Sacramento
- 2 Analyze at TA-Nashville
- 3 Analyze at TA-Burlington
- 4 Please report results in dry weight, therefore all soil will require % moisture testing.
- 5 Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 38 ppb, please analyze for aroclors by 8082

RELINQUISHED BY: *[Signature]* Print Name: Mandy Sumner

RECEIVED BY: Fed Ex Date: 2-12-09

RECEIVED BY: Fed Ex Date: 2-12-09

RECEIVED BY: Fed Ex Date: 2-12-09

For Lab Use Only: Sample Condition Upon Receipt

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7973 2073 2084

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumner*  
*Marty Melhorn*

Date: 2-12-09

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES*	PERCHLORATE* by EPA 3140	SVOCs* by 8270	PAHs* by B270SIM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
GNCI - SP02-0	2-12-09	0740											
GNCI - SP02-0-FD	2-12-09	0740											
GNCI - JP02-10	2-12-09	0920											
GNCI - BC25-0	2-12-09	0945											
GNCI - BC25-4	2-12-09	0955											
GNCI - BC25-14	2-12-09	1005											
GNCI - BC26-0	2-12-09	0825											
GNCI - BC26-11	2-12-09	1040											
GNCI - BD27-0	2-12-09	1125											
GNCI - BD27-16	2-12-09	1150											

Comments/Instructions:

\* Please refer to Table 5 (Southern Ribs Sampling; emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY:

*Mandy Sumner*

Signature:

Print Name: Mandy Sumner

*Mandy Sumner*

Company Name/Title:

Gel Geolight

Date:

2-12-09

Time:

1700

RELINQUISHED BY:

*Fed Ex*

Fed Ex

Date:

2-12-09

Time:

1700

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: GEL Laboratories, LLC**  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7963 2437 2190

**SAMPLER(S) PRINTED NAME AND SIGNATURE**

Mandy Sumner  
 Mandy Melihorn Mont Mello

**ANALYSIS REQUEST**

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES	PERCHLORATE* by EPA 314.0	BVOCS* by 8270	PAHS* by 8270SIM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
GNC1 - BD27-20	2-12-09	12:10	25										
GNC1 - J Pol6-0	2-12-09	12:30	25										
GNC1 - J Pol6-0-FD	2-12-09	12:30	25										
GNC1 - J Pol6-3	2-12-09	12:45	26										
GNC1 - J Pol6-13	2-12-01	13:00	24										

Date: 2-12-09

**Comments/Instructions:**

\* Please refer to Table 5 (Southern Ribs Sampling; emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *[Signature]* Signature: Mandy Sumner

RECEIVED BY: Fred G. Print Name: Fred G.

RELINQUISHED BY: Fred G. Company Name/Title: GEL Geology

RECEIVED BY: Fred G. Date: 2-12-09

Time: 1700

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office







ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: TestAmerica-St. Louis  
 Contact Person: Jerry Everett  
 Address: 13715 Rider Trail North  
 Earth City, Missouri 63045  
 Phone: (314) 298-8566

FED EX #: 7973 2274 7996

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumr*  
*Mandy Melham*

Date: 2-13-09

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

SAMPLE ID	DATE	TIME	Unpres	Container					EDTA
				H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	
GNC1-JB06-0	2-13-09	0940	4%						
GNC1-JD06-0	2-13-09	1010	4%						
GNC1-JB03-0-PD	2-13-09	0920	4%						
GNC1-JB03-0-MS/MSD	2-13-09	0920	4%						
GNC1-JB03-7	2-13-09	1210	4%						
GNC1-JB03-17	2-13-09	1230	4%						
GNC1-JB07-8	2-13-09	1320	4%						
GNC1-JB07-18	2-13-09	1335	4%						

ANALYSIS REQUEST

IONs* by EPA 300.0	Dioxins/Furans* by EPA 8290	Gen. Chem* (please see methods)	pH by EPA 8045C/8040B	METALS* by EPA Methods 6010B/6020/7471A/7470A	Hex chromlum by EPA 7196A	OC Pesticides* by EPA 8081A	Aroclors* by EPA 8082	Congeners* by EPA 1688	Aldehydes* by EPA 8315	VOCs* by EPA 8260B	Physical Parameters 3*	Percent Moisture
X	X	X	X	X	X	X	X	X	X	X	X	X

Comments/Instructions:

- \* Please refer to Table 5 (Southern Ribs Sampling: emailed on October 17, 2008)
- 1 Analyze at TA-Sacramento
- 2 Analyze at TA-Nashville
- 3 Analyze at TA-Burlington

\* GNC1-JB07-8, do not test dioxins, aroclors, congeners.

\* Please report results in dry weight, therefore all soil will require % moisture testing.

\* Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

RELINQUISHED BY:	Signature: <i>Mandy Sumr</i>	Print Name: Mandy Sumr
RECEIVED BY:	Signature: <i>Fed Ex</i>	Print Name: Fed Ex
RELINQUISHED BY:	Signature:	Print Name:
RECEIVED BY:	Signature:	Print Name:

Company Name/Title:	Ges Gedapt	Date:	2-13-09
Company Name/Title:	Fed Ex	Date:	2-13-09

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7963 3638 0423

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumner*  
 Mandy Sumner

PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

Date: 2-13-09

SAMPLE ID	DATE	TIME	Container						PERCHLORATE* by EPA 314.0	BVOCS* by 8270	PAH'S* by 8270SIM	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
GNCI - JS15-0	2-13-09	0735	251									
GNCI - JS15-10	2-13-09	0750	251									
GNCI - JB07-0	2-13-09	0910	251									
GNCI - JB03-0	2-13-09	0920	251									
GNCI - JB06-0	2-13-09	0940	251									
GNCI - JD06-0	2-13-09	1010	251									
GNCI - JB03-0-FD	2-13-09	0920	251									
GNCI - JB03-0-HMSB	2-13-09	0920	251									
GNCI - J	2-13-09		251									
GNCI -	2-13-09		251									

ANALYSIS REQUEST

Comments/Instructions:  
 \* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *Fed Ex*  
 RECEIVED BY: *Fed Ex*  
 RELINQUISHED BY: *Fed Ex*  
 RECEIVED BY: *Fed Ex*

Print Name: *Mandy Sumner*  
 Signature: *[Signature]*  
 Company Name/Title: *GeS. Coal Dept*  
 Date: *2-13-09*  
 Time: *1700*

COPIES: Retained by Sampler, Sent to Office

**ERM CHAIN OF CUSTODY RECORD**

**ERM CONTACT PERSON**

Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

**LABORATORY: GEL Laboratories, LLC**  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 7973 3273 6290

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sanchez*  
*Mandy Melthorn / Mandy Melthorn*  
 PROJECT NAME: GALLERIA NORTH SUB AREA  
 PROJECT NUMBER: 20082449V1

Date: 2-13-09

**ANALYSIS REQUEST**

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES	PERCHLORATE* by EPA 314.0	SVOCs* by 8270	PAHs* by 8270S1M	PERCENT MOISTURE
			Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
CNCL - JB03-7	2-13-09	1210	2x										
CNCL - JB03-17	2-13-09	1230	2x										
CNCL - JB07-8	2-13-09	1320	2x										
CNCL - JB07-18	2-13-09	1335	2x										

**Comments/Instructions:**

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *Fed Ex*  
 RECEIVED BY: *Mandy Sanchez*  
 Signature: *Fed Ex*  
 Print Name: *Mandy Sanchez*

Company Name/Title: *Gel Geol Analyst*  
 Date: *2-13-09*  
 Time: *1700*  
*Fed Ex*  
 Date: *2-13-09*  
 Time: *1700*

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office





ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON  
 Name: Maria Barajas-Albalawi  
 Address: 2525 Natomas Park Drive, Suite 350  
 Sacramento, CA 95833  
 Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC  
 Contact Person: Amanda Rasco  
 Address: 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171

FED EX #: 797393153999

SAMPLER(S) PRINTED NAME AND SIGNATURE

*Mandy Sumner*  
*Monty Mehlhorst*

Date: 2-17-09

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	Container						RADIONUCLIDES	PERCHLORATE* by EPA 314.0	SVOCs* by 8270	PAHs* by 8270SIM	PERCENT MOISTURE
			H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA					
G-NCI-1306-6	2-17-09	0855	25l										
G-NCI-1306-6a	2-17-09	0925	25l										
G-NCI-1306-10	2-17-09	1020	25l										

Comments/Instructions:

\* Please refer to Table 5 (Southern Ribs Sampling: emailed on November 17, 2008)  
 Please report results in dry weight.

RELINQUISHED BY: *[Signature]*  
 RECEIVED BY: Fed Ex

Signature: *Mandy Sumner*  
 Print Name: Mandy Sumner

Company Name/Title: Oes Geolopt  
 Date: 2-17-09  
 Time: 1700

RELINQUISHED BY:  
 RECEIVED BY:

For Lab Use Only: Sample Condition Upon Receipt:  
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office









TAILGATE SAFETY MEETING FORM

Date: 1-27-09 Time: 0725 Job Number: 20082449V1

Client: BRC

Site Specific Location: Galleria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup>Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

EDWIN GARCIA  
Juan Pablo Martinez  
Mandy Simur  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

[Signature]  
[Signature]  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Meeting Conducted By: Monty Mehlhorn  
Name Printed

Monty Mehlhorn  
Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 1-28-09 Time: 0725 Job Number: 20082449V1

Client: BRC

Site Specific Location: Galleria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup>Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED	SIGNATURE
<u>Juan Pablo Martinez</u>	<u>Juan Pella</u> Eagle Drilling
<u>EDWIN GACUSAN</u>	" "
<u>VICTORIA HANSEN</u>	<u>[Signature]</u>
_____	_____
_____	_____
_____	_____

Meeting Conducted By: Monty Mehlhorn [Signature]  
Name Printed Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 1-29-09 Time: 0715 Job Number: 20082449V1

Client: BRC

Site Specific Location: Gallaria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup> Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

Juan Pablo Martinez

Juan Pablo Martinez EAGLE DRILLING

EDWIN GARCIA

" "

VICTORIA HANSEN

" "

Meeting Conducted By: \_\_\_\_\_  
Name Printed

\_\_\_\_\_  
Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 1-30-09 Time: 0720 Job Number: 20082449V1

Client: BRC

Site Specific Location: Gallaria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup> Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

Juan Pablo Martinez

Juan Pablo B. EAGLE D. RILLING

EDWIN GARCIA

" "

Mandy Simon

" "

Meeting Conducted By: Monty Mehlhorn  
Name Printed

Monty Mehlhorn  
Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 2-2-09 Time: 0730 Job Number: 20082449V1

Client: BRC

Site Specific Location: Galleria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup> Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

EDWIN @ACOSTA  
Eduardo Cui J  
Monty Sun  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

[Signature]  
[Signature]  
[Signature]  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Meeting Conducted By: Monty Mehlhorn Monty Mehlhorn  
Name Printed Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 2-3-09 Time: 0740 Job Number: 20082449V1

Client: BRC

Site Specific Location: Gallaria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup>Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

EDWIN GARCIA

[Signature]

[Signature]  
EAGLE DRILLING

Meeting Conducted By: Monty Mehlhorn Monty Mehlhorn  
Name Printed Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 2-4-09 Time: 0655 Job Number: 20082449V1

Client: BRC

Site Specific Location: Gallaria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup> Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

<u>NAME PRINTED</u>	<u>SIGNATURE</u>
<u>Juan Pablo Martinez</u>	<u>Juan Pablo Martinez</u>
<u>EDWIN GARCIA</u>	<u>[Signature]</u>
_____	_____
_____	_____
_____	_____
_____	_____

Meeting Conducted By: Monty Mehlhorn Monty Mehlhorn  
Name Printed Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 2-5-09 Time: 0745 Job Number: 20082449V1

Client: BRC

Site Specific Location: Gallaria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup> Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

Juan Pablo Martinez

[Signature] EAGLE DRILLING

Eduardo Wis

[Signature] EAGLE

Mandy Sumner

[Signature]

Meeting Conducted By: Monty Mehlhorn  
Name Printed

[Signature]  
Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 2-6-09 Time: 0720 Job Number: 20082449V1

Client: BRC

Site Specific Location: Galleria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup> Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

<u>NAME PRINTED</u>	<u>SIGNATURE</u>
<u>Juan Pablo Martinez</u>	<u>[Signature]</u>
<u>EDWIN GARCIA</u>	<u>[Signature]</u>
<u>Mandy Sam</u>	<u>[Signature]</u>
_____	_____
_____	_____
_____	_____

Meeting Conducted By: Monty Mehlhorn [Signature]  
Name Printed Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 2-9-09 Time: 0915 Job Number: 20082449V1

Client: BRC

Site Specific Location: Gallaria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup> Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

EDWIN GARCIA  
Juan Pablo Martinez  
Mandy Sumner  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

[Signature] EGLE DRILLING  
[Signature] " "  
[Signature]  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Meeting Conducted By: Monty Mehlhorn Monty Mehlhorn  
Name Printed Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu



TAILGATE SAFETY MEETING FORM

Date: 2-10-09 Time: 0715 Job Number: 20082449V1

Client: BRC

Site Specific Location: Galleria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup> Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

EDWIN GARCIA

[Signature] EAGLE DRILLING

Juan Pablo Martinez

[Signature]

Mandy Somer

[Signature]

Meeting Conducted By: Monty Mehlhorn  
Name Printed

[Signature]  
Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 2-11-09 Time: 0725 Job Number: 20082449V1

Client: BRC

Site Specific Location: Gallaria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup>Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

Juan Pablo Martinez

EAGLE DRILLING

EDWIN GARCIA

" "

Mandy Smur

[Signature]

Meeting Conducted By: Monty Mehlhorn Monty Mehlhorn  
Name Printed Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 2-12-09 Time: 0735 Job Number: 20082449V1

Client: BRC

Site Specific Location: Gallaria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup> Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

EDWIN GARCIA

EDWIN GARCIA

Eduardo Luis

Eduardo Luis EAGLE

Meeting Conducted By: Monty Mehlhorn Monty Mehlhorn  
Name Printed Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu



TAILGATE SAFETY MEETING FORM

Date: 2-13-09 Time: 0725 Job Number: 20082449V1

Client: BRC

Site Specific Location: Galleria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup>Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

EDWIN GACHWAP  
Eduardo Luis  
Mandy Sumner  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

[Signature] EAGUE DRIVER  
[Signature] EAGUE CO  
[Signature]  
\_\_\_\_\_  
\_\_\_\_\_

Meeting Conducted By: Monty Mehlhorn  
Name Printed

[Signature]  
Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

#304

TAILGATE SAFETY MEETING FORM

Date: 2-17-09 Time: 0735 Job Number: 20082449V1

Client: BRC

Site Specific Location: Galleria North Sub-Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, <sup>Steel</sup>Toed Boots

Chemical Hazards: VOCs, SVOCs, Pesticides, PCB's, Dioxins/Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital

ATTENDEES

NAME PRINTED

SIGNATURE

EDWIN GARCIA  
NEIL WIKTOR  
Mandy Sommer  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

[Signature]  
[Signature]  
[Signature]  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Meeting Conducted By: Monty Mehlhorn [Signature]  
Name/Printed Signature

On-Site Safety Officer: Monty Mehlhorn Project Manager: Ranjit Sahu

TAILGATE SAFETY MEETING FORM

Date: 3-2-09 Time: \_\_\_\_\_ Job Number: 2008244901

Client: BRC

Site Specific Location: Galleria North Sub Area

Safety Topics Presented

Protective Clothing/Equipment: Level "D": Hard Hat, Safety Glasses, Steel toe boots

Chemical Hazards: VOC's, SVOC's, Pesticides, PCB's, Dioxins / Furans

Physical Hazards: Uneven Surfaces

Special Equipment: Drill Rigs

Other: \_\_\_\_\_

Emergency Procedures: Apply 1st Aid, Call 911

Hospital: 911 Phone: 911 Ambulance Phone: 911

Hospital Address and Route: St. Rose Hospital, Lake Mead Blvd.

ATTENDEES

NAME PRINTED

SIGNATURE

Eduardo Luis  
Shawn Sears

[Signature]  
[Signature]

Meeting Conducted By: Mandy Summer  
Name Printed

[Signature]  
Signature

On-Site Safety Officer: Mandy Summer

Project Manager: Ranajit Sahu