



SECOR  
INTERNATIONAL  
INCORPORATED

www.secor.com  
57 Lafayette Circle, 2<sup>nd</sup> Floor  
Lafayette, CA 94549  
925-299-9300 TEL  
925-299-9302 FAX

February 28, 2005

Mr. Barney M. Chan  
Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
Environmental Health Services  
Environmental Protection  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

RECEIVED  
MAR 02 2005  
ALAMEDA COUNTY

RE: Toxics Case RO0002633  
Soil Excavation Report  
PG&E Piedmont Substation E – 408 Linda Avenue  
Piedmont, California  
SECOR PN: 05OT.50173.01

Dear Mr. Chan:

SECOR International Incorporated (SECOR), on behalf of Pacific Gas and Electric Company (PG&E), is pleased to present this *Soil Excavation Report* that describes recent soil excavation, air monitoring, and confirmation sampling at PG&E's Piedmont Substation E (the Site) located at 408 Linda Avenue in Piedmont, California (see attached Figure 1). The scope of work described herein complies fully with the work plan submitted to your office on October 14, 2004, and with the letter from the Alameda County Health Care Services Agency (ACHCSA) dated October 21, 2004, that approved the proposed remedial actions.

### BACKGROUND

The Site consists of an approximately 5,000-square-foot multi-story building on approximately 0.5 acre. Previous soil characterization work at the Site in 1999 identified lead as the only contaminant of concern. Lead was measured at concentrations that ranged from 170 to 1,600 milligrams per kilogram (mg/kg) in samples collected from shallow soils around the Site, exceeding residential Environmental Screening Levels (ESL), 200 mg/kg. The historical source of lead is believed to be lead-based paint that originated from the multi-story building.

In June 2001, PG&E excavated and removed near-surface soils in which the lead had been found. Soils were excavated to depths ranging from 6-to-24 inches below ground surface (bgs). Following excavation, confirmation soil samples were collected to document

# SECOR

Mr. Barney Chan  
Soil Excavation Report, PG&E Piedmont Substation E  
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concentrations of lead in soils that remain in-place within the limits of the excavated areas. The concentrations of lead in confirmation samples ranged from 33 to 178 mg/kg; the average residual lead concentration of 98 mg/kg was less than the ACHCSA cleanup criterion of 147 mg/kg. The June 2001 soil removal action was documented in a report entitled, "*Final Report, Soil Clearance Testing for Lead, PG&E Substation E, 408 Linda Avenue, Piedmont, California,*" dated February 19, 2004, prepared by KELLCO Services, Inc. and submitted to the ACHCSA on March 18, 2004. The portions of the Site excavated in 2001 are illustrated on the attached Figure 2.

In June 2004, PG&E contracted with SECOR to characterize lead concentrations in an area measuring approximately 800 square feet along the eastern boundary of the Site and a small triangular portion of land adjacent to the southwest corner of the building, which had been inaccessible during previous sampling and excavation. SECOR collected soil samples from soils approximately 6-to-9 inches and 12-to-15 inches bgs at four representative locations: three locations along the eastern boundary and one in the southwest corner (see Figure 2). Lead concentrations reported in these soil samples ranged from 15 to 330 mg/kg and were documented in the SECOR report entitled, "*Soil Sampling and Analysis Results, Former Substation E Site, 408 Linda Avenue, Piedmont, California,*" dated October 11, 2004.

The lead concentrations in samples collected from the southwest triangular portion of land were reported at levels less than the ACHCSA cleanup level and residential ESLs. However, because lead was found in samples collected along the eastern boundary at concentrations greater than the ACHCSA cleanup level, PG&E contracted with SECOR to coordinate and supervise excavation of soils in the eastern area of the Site down to 2 feet bgs. These soils were excavated by Cornerstone Environmental Contractors, Inc. (Cornerstone) in January 2005 under the supervision of SECOR.

## SCOPE OF WORK

This report documents the removal of approximately 56 cubic yards of lead-impacted soils from the Site. The remainder of this report is organized as follows:

- Preliminary field activities;
- Confirmation soil sample results;
- Excavation and off hauling of impacted material;

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Soil Excavation Report, PG&E Piedmont Substation E  
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- Air monitoring and sampling results; and
- Site restoration.

### **Preliminary Field Activities**

Prior to initiating field activities, PG&E notified tenants in residential dwellings adjacent to the Site of the planned excavation. Notification consisted of a written description of the scope of work, the proposed schedule, and additional PG&E contact information. The notices were hand-delivered by PG&E personnel.

Approximately 10 days before beginning excavation, SECOR outlined the work area in white paint and notified Underground Service Alert. SECOR obtained an excavation permit from the City of Piedmont, Department of Public Works (permit number EX04-00011). A copy of the permit is provided in Attachment 2. SECOR prepared a site-specific health and safety plan (HASP) that addresses hazards associated with the scope of work. The HASP was kept on-site during all field activities.

Work at the Site commenced on January 11, 2005. Cornerstone personnel cleared the work area of plant material, and four in-place confirmation sample locations were exposed using a backhoe. To expedite completion of the work, confirmation soil samples were collected 2 feet bgs prior to commencing excavation. The in-place confirmation soil samples were collected and submitted to the laboratory via courier. As the samples were collected, Cornerstone determined that Site soils were too saturated from recent heavy rains and SECOR and Cornerstone personnel demobilized from the Site. They postponed the excavation until soils were drier; after a week in which no rainfall fell, Cornerstone resumed work on January 18, 2005.

### **Confirmation Soil Sample Results**

SECOR collected confirmation soil samples 2 feet bgs at four locations as illustrated on Figure 2. Each sample location was exposed using a backhoe, and in-place soil was collected and transferred to 8-ounce glass jars using a trowel. The samples were labeled and delivered under chain-of-custody protocol to Torrent Laboratory, Inc. in Milpitas, California, a state-certified analytical laboratory.

Soil samples were analyzed for total lead by the SW6010B Method and for pH by the SW9045C Method. Soil sample results are summarized below and complete laboratory reports and chain-of-custody records are attached (Attachment 1).

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Sample ID	Depth (feet bgs)	Date	Total Pb (mg/kg)	pH
EXC-CONF-1	2	1/11/05	36	6.93
EXC-CONF-2	2	1/11/05	11	6.28
EXC-CONF-3	2	1/11/05	20	5.48
EXC-CONF-4	2	1/11/05	9.1	6.73

Total lead concentrations in each of the confirmation samples were less than the ACHCSA cleanup standard of 147 mg/kg, confirming excavation down to 2 feet bgs would effectively remove soil in which lead concentrations exceed the ACHCSA cleanup standard for lead. Soil pH values ranged from 5.48 to 6.93, confirming that pH conditions are generally neutral in Site soils. Under near-neutral pH conditions, lead has an extremely low solubility, and therefore, an extremely low potential for migration, as confirmed by the previous depth discrete soil sampling at the Site.

### **Excavation and Off Hauling of Impacted Material**

Excavation and off-haul activities commenced on January 18, 2005. Approximately 56 cubic yards of soil (75.7 tons) were excavated and loaded onto 24-ton end-dump transfer trucks operated by Denbeste Transportation. The extent of excavation is illustrated on Figure 2. Soils removed from the Site were disposed of at Forward Landfill in Manteca, California under approval number 5056. Non-hazardous waste manifests and truck weight tags are included in Attachment 2. A photographic log of excavation and off hauling activities is included as Attachment 3.

### **Air Monitoring and Sampling Results**

As the soil was excavated and loaded into the trucks on January 18, 2005, SECOR used dust control measures and monitored air quality to evaluate and mitigate exposure to on-site workers and off-site receptors from airborne lead-containing dust. SECOR continuously monitored total airborne dust concentrations using a MIE Personal DataRam monitoring device during excavation, soil movement and loading to trucks. The highest concentration of total dust reported during the work was 0.395 milligrams per cubic meter ( $\text{mg}/\text{m}^3$ ) which is much less than the action level of  $1.0 \text{ mg}/\text{m}^3$  established in the HASP. This action level is ten percent of the threshold limit value (TLV) of  $10 \text{ mg}/\text{m}^3$  established by the American Conference of Governmental Industrial Hygienists (ACGIH) and is considered to be conservative and protective of human health.

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SECOR also deployed three air sampling pumps fitted with 37mm PVC filter cartridges set in the breathing zone during excavation and soil movement. Two of the sampling pumps were stationed immediately adjacent on either side of the excavation as illustrated on Figure 2, and the third pump was placed on a Cornerstone employee deemed to have the greatest risk of exposure (the employee nearest the excavation during soil removal). Air samples were analyzed for total lead by the Travelers Insurance Company, Industrial Hygiene Laboratory located in Windsor, CT, by ICP in accordance with OSHA ID Method 125/NIOSH Method 7300.

Results of air sampling were reported to be less than the detection limit for all three air samples. The detection limits and associated occupational and ambient air quality standards for total lead are summarized in the table below. Complete laboratory reports and chain-of-custody records are provided in Attachment 1.

Sample ID	Date	Location	Result Total Lead (mg/m <sup>3</sup> )
2116N	1/18/05	SE Corner of Site	< 0.0060
2145N	1/18/05	W Side of Excavation	< 0.0059
2117N	1/18/05	Cornerstone Employee	< 0.0063
OSHA PEL <sup>1</sup>	0.05		
CAAQS <sup>2</sup>	0.0015		

(1) OSHA PEL = US Occupational Safety and Health Administration, Permissible Exposure Limit (also equal to the most recently published American Conference of Governmental Industrial Hygienists, Threshold Limit Value), (mg/m<sup>3</sup>).

(2) CAAQS = California Ambient Air Quality Standard, 30-day average, (mg/m<sup>3</sup>).

The reported total airborne lead concentrations were less than the laboratory's detection limits for each sample and less than the applicable occupational exposure standard. The 30-day average level for the Site, including the one day excavation (0.006 mg/m<sup>3</sup>) and using a reasonable background (0.01 micrograms per cubic meter, ug/m<sup>3</sup>) for the remaining 29 days, is conservatively calculated as 0.00021 mg/m<sup>3</sup>, which is less than the CAAQS.

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## Site Restoration

Following excavation and off-hauling activities, the excavation was backfilled with clean imported fill supplied by Stevens Creek Quarry, Cupertino, California (a letter description of fill material imported from the quarry is attached). The imported material was spread across the excavation using a backhoe and bobcat and compacted using the weight of the machinery. Following backfilling, the excavation area was covered with shredded bark to minimize potential runoff and to match the soils elsewhere over the Site.

## CONCLUSION

SECOR, acting on behalf of PG&E, successfully completed the remedial actions to remove soil from the eastern side of former Substation E in Piedmont, California in which lead had previously been found at elevated levels. Approximately 56 cubic yards (75.7 tons) of soil were excavated and transported to Forward Landfill where they were disposed of as non-hazardous waste. The concentrations of lead measured in soil samples collected to confirm that sufficient soils had been removed ranged from 9.1 mg/kg to 36 mg/kg. These concentrations are well below the previous cleanup level for lead of 147 mg/kg and the residential ESL for lead of 200 mg/kg. The surface of the Site was restored to conditions similar to those present when work started. Having satisfied the remedial actions and goals proposed in the work plan dated October 14, 2004, and approved by the ACHCSA in its letter dated October 21, 2004, SECOR recommends that Alameda County Health Care Services certify that no further remedial investigation or action is required of PG&E for lead in soils at former Substation E in Piedmont, California.

If you have any questions regarding the content of this report, please contact the undersigned at (925) 299-9300 or Sally Goodin with PG&E at 510-301-2261.

Sincerely,

**SECOR International Incorporated**



Neil Doran  
Associate Geologist



Mario Sternad, P.E.  
Senior Engineer

# SECOR

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Attachments:

Figures 1 and 2

Attachment 1 – Laboratory Analytical Reports and Chain-of-Custody Records

Attachment 2 – Permits and Waste Manifests

Attachment 3 – Photographic Log

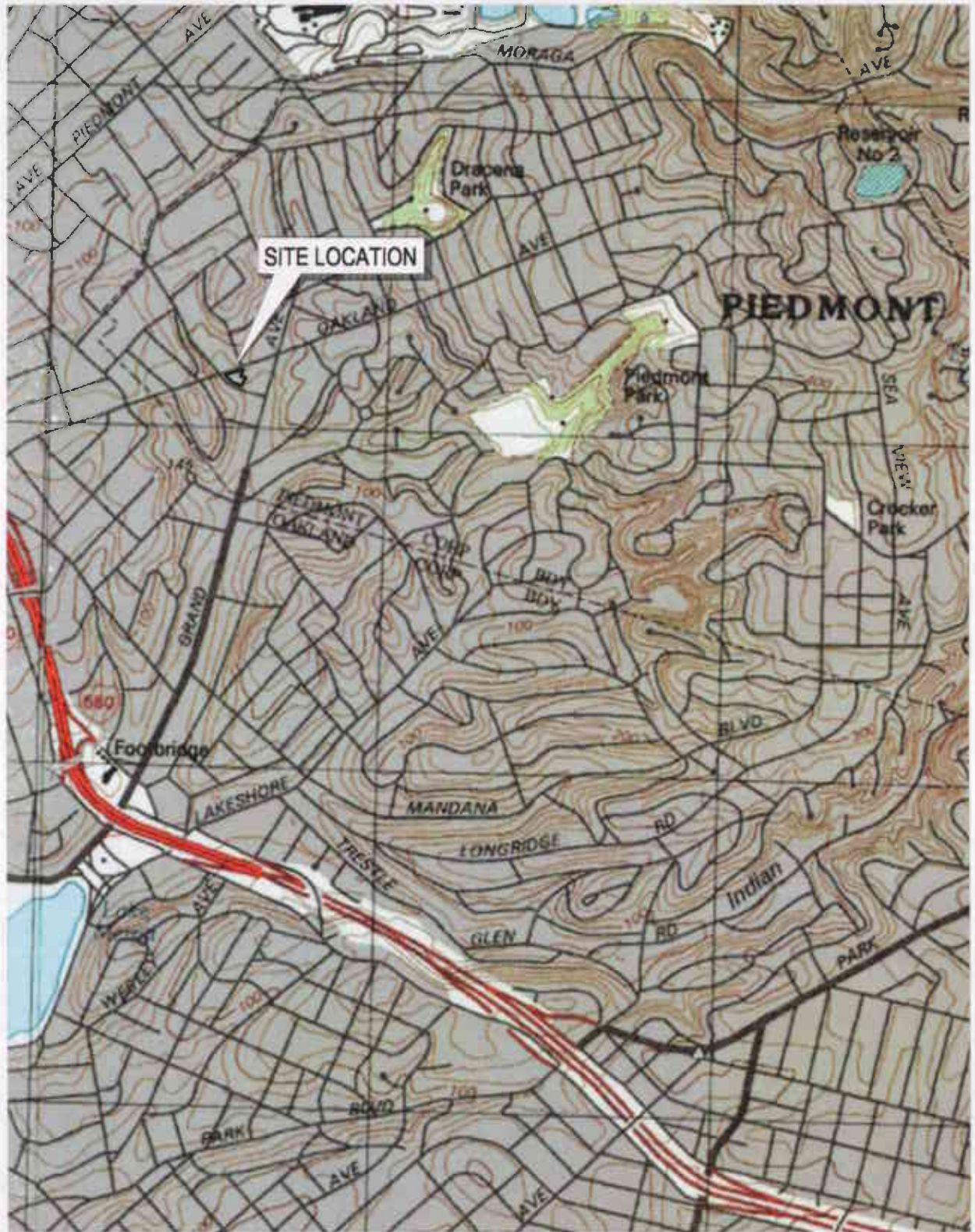
cc: Mr. Terry Winsor, PG&E

**FIGURES**

Soil Excavation Report  
PG&E Piedmont Substation E  
408 Linda Avenue  
Piedmont, California  
SECOR PN: 05OT.50173.01  
February 28, 2005



20050204.10454847 K:\PG&E\PG&E - Piedmont Substation E\Fig&E - Piedmont Substation E\Fig&E - Piedmont Substation E and Confirmation FIGURE 1 and 2.dwg



**REFERENCE:**

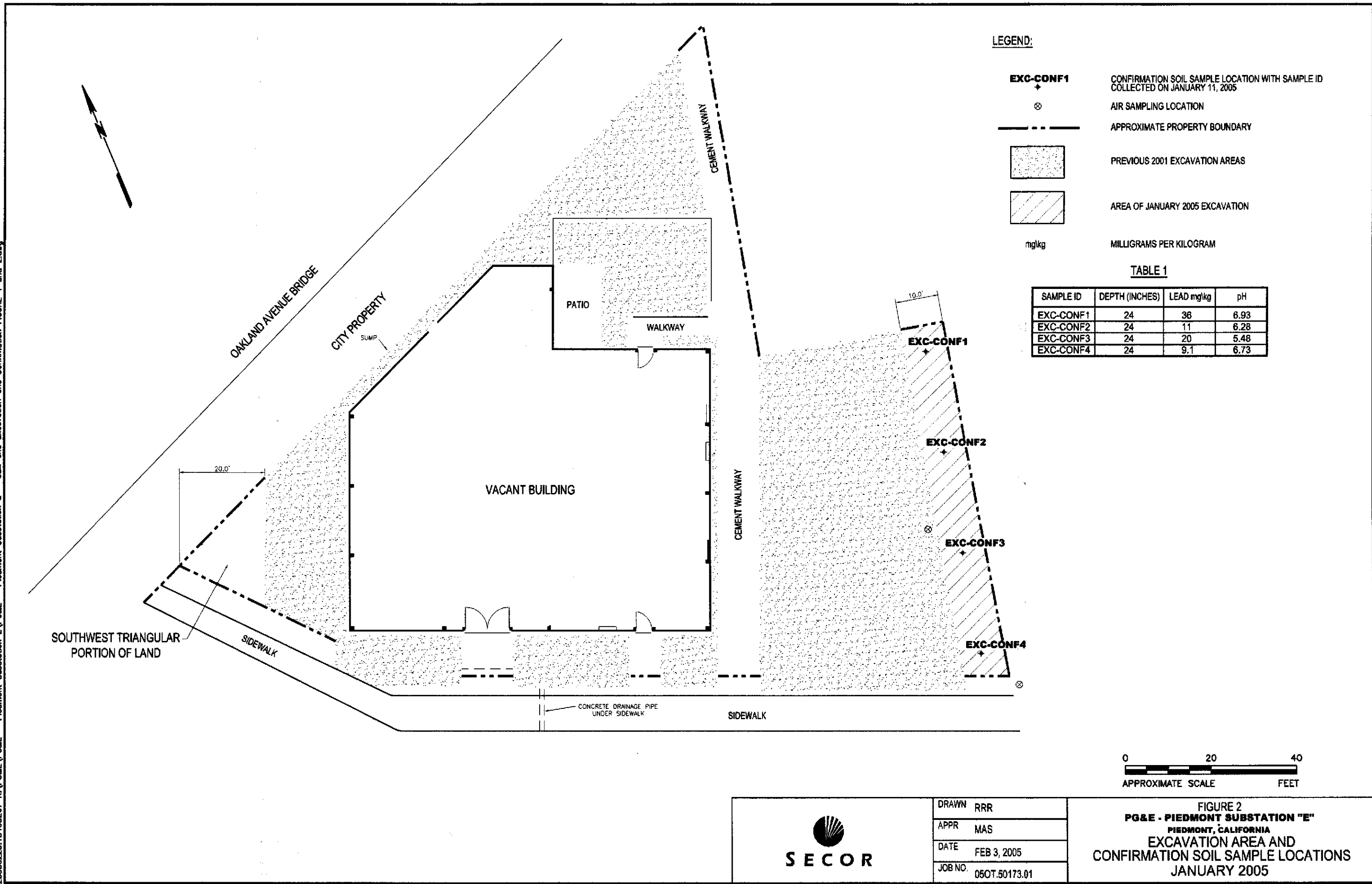
OAKLAND EAST QUADRANGLE  
 CALIFORNIA, 7.5 MINUTE SERIES (TOPOGRAPHIC)  
 PHOTOREVISED 1981



DRAWN	RRR
APPR	MAS
DATE	FEB 3, 2005
JOB NO.	05OT.50173.01

**FIGURE 1**  
**PG&E - PIEDMONT SUBSTATION "E"**  
**PIEDMONT, CALIFORNIA**  
**SITE LOCATION MAP**

20050223.15403287.K:\PG&E\PG&E - Piedmont Substation E - SLM and Excavation and Confirmation FIGURE 1 and 2.dwg



**LEGEND:**

- EXC-CONF1** + CONFIRMATION SOIL SAMPLE LOCATION WITH SAMPLE ID COLLECTED ON JANUARY 11, 2005
- ⊗ AIR SAMPLING LOCATION
- - - - - APPROXIMATE PROPERTY BOUNDARY
- [Stippled Box] PREVIOUS 2001 EXCAVATION AREAS
- [Hatched Box] AREA OF JANUARY 2005 EXCAVATION
- mg/kg MILLIGRAMS PER KILOGRAM

**TABLE 1**

SAMPLE ID	DEPTH (INCHES)	LEAD mg/kg	pH
EXC-CONF1	24	36	6.93
EXC-CONF2	24	11	6.28
EXC-CONF3	24	20	5.48
EXC-CONF4	24	9.1	6.73



DRAWN RRR  
 APPR MAS  
 DATE FEB 3, 2005  
 JOB NO. 05OT.50173.01

**FIGURE 2**  
**PG&E - PIEDMONT SUBSTATION "E"**  
 PIEDMONT, CALIFORNIA  
 EXCAVATION AREA AND  
 CONFIRMATION SOIL SAMPLE LOCATIONS  
 JANUARY 2005

**ATTACHMENT 1**  
**LABORATORY ANALYTICAL REPORTS AND**  
**CHAIN-OF-CUSTODY RECORDS**

Soil Excavation Report  
PG&E Piedmont Substation E  
408 Linda Avenue  
Piedmont, California  
SECOR PN: 05OT.50173.01  
February 28, 2005



# TORRENT LABORATORY, INC.

483 Sinclair Frontage Rd. • Milpitas, CA 95035 • Ph: (408) 263-5258 • Fax: (408) 263-8293

[www.torrentlab.com](http://www.torrentlab.com) email: [analysis@torrentlab.com](mailto:analysis@torrentlab.com)

January 13, 2005

MarioSternad  
SECOR  
57 Lafayette Circle 2nd Floor  
Lafayette, CA 94549

TEL: (925) 299-9300

FAX 925-299-9302

RE:

Order No.: 0501028

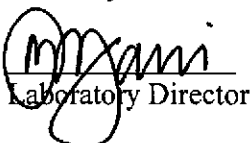
Dear MarioSternad:

Torrent Laboratory, Inc. received 4 samples on 1/11/2005 for the analyses presented in the following report.

All data for associated QC met EPA or Laboratory specification except where noted in the case narrative.

Torrent laboratory Inc. is certified by the State of California, ELAP #1991. If you have any question regarding these tests results, please feel free to contact Project Management Team at (408)263-5258;ext: 204.

Sincerely,

  
Laboratory Director

<sup>06</sup>  
01-017-05  
Date



# TORRENT LABORATORY, INC.

483 Sinclair Frontage Rd. • Milpitas, CA 95035 • Ph: (408) 263-5258 • Fax: (408) 263-8293

[www.torrentlab.com](http://www.torrentlab.com) email: [analysis@torrentlab.com](mailto:analysis@torrentlab.com)

## Certified Analytical Report of Total Metals

Report prepared for: Mario Sternad  
SECOR

Date Received: 1/11/2005  
Date Reported: 1/13/2005

Client Sample ID: Exc-Conf-1  
Sample Location: Piedmont Substation E  
Sample Matrix: SOIL  
Date/Time Sampled 1/11/2005 8:20:00 AM

Lab Sample ID: 0501028-001A  
Date Prepared: 1/11/2005

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units
Lead	SW6010B	1/12/2005	1	1	1.0	36	mg/Kg



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## Certified Analytical Report of Wet Chemistry

Report prepared for: MarioSternad  
SECOR

Date Received: 1/11/2005  
Date Reported: 1/13/2005

Client Sample ID: Exc-Conf-1  
Sample Location: Piedmont Substation E  
Sample Matrix: SOIL  
Date/Time Sampled 1/11/2005 8:20:00 AM

Lab Sample ID: 0501028-001A  
Date Prepared: 1/11/2005

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units
pH	SW9045C	1/11/2005	0.05	1	0.0500	6.93	pH Units

These analyses were performed according to State  
of California Environmental Laboratory  
Accreditation program, Certificate # 1991



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## Certified Analytical Report of Total Metals

Report prepared for: Mario Sternad  
SECOR

Date Received: 1/11/2005  
Date Reported: 1/13/2005

Client Sample ID:	Exc-Conf-2	Lab Sample ID:	0501028-002A
Sample Location:	Piedmont Substation E	Date Prepared:	1/11/2005
Sample Matrix:	SOIL		
Date/Time Sampled	1/11/2005 8:40:00 AM		

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units
Lead	SW6010B	1/12/2005	1	1	1.0	11	mg/Kg

These analyses were performed according to State  
of California Environmental Laboratory  
Accreditation program, Certificate # 1991



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www.torrentlab.com email: analysis@torrentlab.com

## Certified Analytical Report of Wet Chemistry

Report prepared for: MarioSternad  
SECOR

Date Received: 1/11/2005  
Date Reported: 1/13/2005

Client Sample ID:	Exc-Conf-2	Lab Sample ID:	0501028-002A
Sample Location:	Piedmont Substation E	Date Prepared:	1/11/2005
Sample Matrix:	SOIL		
Date/Time Sampled	1/11/2005 8:40:00 AM		

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units
pH	SW9045C	1/11/2005	0.05	1	0.0500	6.28	pH Units

These analyses were performed according to State  
of California Environmental Laboratory  
Accreditation program, Certificate # 1991





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www.torrentlab.com email: analysis@torrentlab.com

## Certified Analytical Report of Total Metals

Report prepared for: MarioSternad  
SECOR

Date Received: 1/11/2005  
Date Reported: 1/13/2005

Client Sample ID: Exc-Conf-3  
Sample Location: Piedmont Substation E  
Sample Matrix: SOIL  
Date/Time Sampled 1/11/2005 8:50:00 AM

Lab Sample ID: 0501028-003A  
Date Prepared: 1/11/2005

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units
Lead	SW6010B	1/12/2005	1	1	1.0	20	mg/Kg

These analyses were performed according to State  
of California Environmental Laboratory  
Accreditation program, Certificate # 1991



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[www.torrentlab.com](http://www.torrentlab.com) email: [analysis@torrentlab.com](mailto:analysis@torrentlab.com)

## Certified Analytical Report of Wet Chemistry

Report prepared for: MarioSternad  
SECOR

Date Received: 1/11/2005

Date Reported: 1/13/2005

Client Sample ID: Exc-Conf-3  
Sample Location: Piedmont Substation E  
Sample Matrix: SOIL  
Date/Time Sampled 1/11/2005 8:50:00 AM

Lab Sample ID: 0501028-003A  
Date Prepared: 1/11/2005

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units
pH	SW9045C	1/11/2005	0.05	1	0.0500	5.48	pH Units

These analyses were performed according to State  
of California Environmental Laboratory  
Accreditation program, Certificate # 1991



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## Certified Analytical Report of Total Metals

Report prepared for: MarioSternad  
SECOR

Date Received: 1/11/2005

Date Reported: 1/13/2005

Client Sample ID:	Exc-Conf-4	Lab Sample ID:	0501028-004A
Sample Location:	Piedmont Substation E	Date Prepared:	1/11/2005
Sample Matrix:	SOIL		
Date/Time Sampled	1/11/2005 9:10:00 AM		

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units
Lead	SW6010B	1/12/2005	1	1	1.0	9.1	mg/Kg

These analyses were performed according to State  
of California Environmental Laboratory  
Accreditation program, Certificate # 1991



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## Certified Analytical Report of Wet Chemistry

Report prepared for: Mario Sternad  
SECOR

Date Received: 1/11/2005

Date Reported: 1/13/2005

Client Sample ID: Exc-Conf-4  
Sample Location: Piedmont Substation E  
Sample Matrix: SOIL  
Date/Time Sampled 1/11/2005 9:10:00 AM

Lab Sample ID: 0501028-004A

Date Prepared: 1/11/2005

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units
pH	SW9045C	1/11/2005	0.05	1	0.0500	6.73	pH Units

These analyses were performed according to State  
of California Environmental Laboratory  
Accreditation program, Certificate # 1991



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## Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

These analyses were performed according to State  
of California Environmental Laboratory  
Accreditation program, Certificate # 1991

CLIENT: SECOR  
 Work Order: 0501028  
 Project:

**ANALYTICAL QC SUMMARY REPORT**

TestCode: 6010B\_S

Sample ID: 1185-MBLK	SampType: MBLK	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 1/11/2005	RunNo: 5271						
Client ID: ZZZZZ	Batch ID: 1185	TestNo: SW6010B	(SW3050B)	Analysis Date: 1/12/2005	SeqNo: 75260						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: 1185-LCS	SampType: LCS	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 1/11/2005	RunNo: 5271						
Client ID: ZZZZZ	Batch ID: 1185	TestNo: SW6010B	(SW3050B)	Analysis Date: 1/12/2005	SeqNo: 75258						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	107.7	1.0	100	0	108	75	125				

Sample ID: 1185-LCSD	SampType: LCSD	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 1/11/2005	RunNo: 5271						
Client ID: ZZZZZ	Batch ID: 1185	TestNo: SW6010B	(SW3050B)	Analysis Date: 1/12/2005	SeqNo: 75259						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	105.3	1.0	100	0	105	75	125	107.7	2.23	30	

Sample ID: 0501026-010AMS	SampType: MS	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 1/11/2005	RunNo: 5271						
Client ID: ZZZZZ	Batch ID: 1185	TestNo: SW6010B	(SW3050B)	Analysis Date: 1/12/2005	SeqNo: 75248						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	100.8	1.0	100	6.665	94.2	65	135				

Sample ID: 0501026-010AMSD	SampType: MSD	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 1/11/2005	RunNo: 5271						
Client ID: ZZZZZ	Batch ID: 1185	TestNo: SW6010B	(SW3050B)	Analysis Date: 1/12/2005	SeqNo: 75249						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	102.4	1.0	100	6.665	95.8	65	135	100.8	1.58	30	

Qualifiers: E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not Detected at the Reporting Limit      R RPD outside accepted recovery limits      S Spike Recovery outside accepted recovery limits

LabID: 0501028



# SECOR CHAIN-OF-CUSTODY RECORD

COC # 02408  
Page 1 of 1

FIELD OFFICE INFORMATION		PROJECT INFORMATION					ANALYSES / METHOD REQUEST		REMARKS / PRECAUTIONS	
OFFICE: <u>Lafayette</u>		Project No.: <u>050T.50173.01</u>		Task: <u>0003</u>						
Send Report To: <u>SECOR</u> <u>57 Lafayette Circle</u> <u>Lafayette, CA 94549</u>		Project Name: <u>Piedmont Substation E</u>							<b>TAT:</b> <input type="checkbox"/> Normal <input checked="" type="checkbox"/> 72 HR <input checked="" type="checkbox"/> Other <u>76-72 HR</u> <u>PH Stand</u>	
Telephone: <u>(925) 299-9300</u>		Project Manager: <u>Mario Sternad</u>								
Fax / E-Mail: <u>msternad@secor.com</u>		Laboratory: <u>Torrent</u>								
Sample No. Identification		Date	SAMPLE Time	Matrix	Container & Size	Preservative	Number of Containers Total Pb PH			
0501028	EXC-CONF-1	1-11-05	820	S	C	-		X	X	72-HR TAT for Pb; Standard TAT for PH
001A	EXC-CONF-2	↓	840	↓	↓	↓		X	X	
002A	EXC-CONF-3	↓	850	↓	↓	↓		X	X	
003A	EXC-CONF-4	↓	910	↓	↓	↓		X	X	
004A										

**RUSH**  
**3 DAYS**  
**RUSH**

Possible Hazard Identification:  Non-Hazardous  Flammable  Skin Irritant  Poisonous  Unknown

Sample Disposal:  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Sampled by: \_\_\_\_\_ Shipment Method: \_\_\_\_\_ Airbill Number: \_\_\_\_\_

Signature	Print Name	Company	Date	Time
1a Relinquished by: <u>Neil Doran</u>	<u>Neil Doran</u>	<u>SECOR</u>	<u>1-11-05</u>	<u>9:36</u>
1b Received by: <u>Sophia Herrera</u>	<u>Sophia Herrera</u>	<u>Falltime Express</u>	<u>1/11/05</u>	<u>9:36</u>
2a Relinquished by: <u>Sophia Herrera</u>	<u>SOPHIA HERRERA</u>	<u>Falltime Express</u>	<u>1/11/05</u>	<u>10:48</u>
2b Received by: <u>Omji Nwogu</u>	<u>OMJI NWOGU</u>	<u>TORRENT</u>	<u>1/11/05</u>	<u>10:48</u>
3a Relinquished by:				
3b Received by:				

\*Matrix Key: AO = Aqueous AR = Air SO = Soil WA = Waste OT = Other \*\*Container: A = Amber C = Clear Glass V = VOA S = Soil Jar O = Orbo T = Tedlar B = Brass P = Plastic OT = Other

Log-in: Maria Sinha 01/11/05 Log-out: Omji Nwogu 01/11/05



90 Lamberton Road, Windsor, CT 06095

Phone #: 1-800-842-0355

Fax#: 860-687-7430

AIHA Accredited Laboratory # 100126

Report Issued To: Mario Sternad

Mario Sternad  
Secor International  
57 Lafayette Circle  
Lafayette, CA 94549

Report Date: 1/27/2005  
Date Samples Received: 1/24/2005  
Work Order: 2005010395

Location Sampled: Secor International  
Sample Submitter: Mario Sternad

Sample ID	Sample Description	Results	
		mg/m3	µg
<u>Lead</u>			
2116N	SE Corner of site	LT 0.0060	LT 3.0
2145N	W. side of excavation	LT 0.0059	LT 3.0
2117N	Contractor	LT 0.0063	LT 3.0
2146N	Blank		LT 3.0

**COMMENTS:**

Metals samples have been blank corrected.

Analyte	Media type	LOQ	Reference Method	Analysis Date
Lead	MCE Filter	3.0 µg	ICP - Modified OSHA ID 125/NIOSH 7300	1/26/2005

Please Note: The limits of quantitation (LOQs) listed are for normally processed samples. Sample requiring special processing (i.e. dilutions) may have elevated LOQs.  
N.A. = Not Applicable

**WORKORDER COMMENTS:**

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the limit of quantitation (LOQ). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted.

Approved by: Josef Chrzanowski  
Josef Chrzanowski  
Production Group Leader

George E. Johnson  
George E. Johnson  
QA Group Leader

Marcel F. Baril  
Marcel F. Baril  
Laboratory Manager



Survey Date: 1-18-05

Page 1 of 1

## ST PAUL TRAVELERS INDUSTRIAL HYGIENE SURVEY DATA SHEET

ST PAUL TRAVELERS INDUSTRIAL HYGIENE LABORATORY  
 90 LAMBERTON ROAD  
 WINDSOR, CT 06095  
 PHONE: 860-687-7400  
 HELP LINE: 1-800-842-0355  
 FAX: 860-687-7430

Standard Turn-Around Time (5 working days)  
 >2 day RUSH (A 50% surcharge is applied.)  
 <2 day RUSH (A 100% surcharge is applied.)  
 Need Results By: \_\_\_\_\_  
 RUSH Request **MUST** be Authorized by the LAB.  
 Authorized By: \_\_\_\_\_

**SEND REPORT TO:**

Name: Marie Starnad  
 Company: SECOR International, Inc.  
 Address: 57 Lafayette Circle  
 City, State, Zip: Lafayette, CA 94549  
 Phone/Fax #: 925-299-9300 / 925-299-9302  
 E-Mail Address: mstarnad@secor.com

**SEND INVOICE TO:**

Name: Marie Starnad  
 Company: SECOR International, Inc.  
 Address: 57 Lafayette Circle  
 City, State, Zip: Lafayette CA 94549  
 PO #: DEPT. 50173-01  
 Credit Card # (MC/VISA): \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Sample/ Filter #	Sample Description	Media Catalog #	Pump #	Minutes Sampled	Air Flow LPM	Air Volume Liters	Analytes Requested
<del>3229</del>	<del>SE Corner of Site</del>	<del>3229</del>					<u>ND</u>
2116N	SE Corner of Site	2116N	3229	300	1.670	501	total Pb
2145N	W side of excavation	2145N	2809	300	1.687	506	total Pb
2117N	contractor	2117N	3208	285	1.690	473	total Pb
2146N	Blank	2146N	-	-	-	-	total Pb

Date Samples Submitted: 1-20-05      Samples Submitted by (Please Print): April Dorman      Submitter Signature (Required): [Signature]

**SPECIAL INSTRUCTIONS (INCLUDE COMPANY LOCATION SAMPLED IF NEEDED):**

**ATTACHMENT 2**  
**PERMITS AND WASTE MANIFESTS**

Soil Excavation Report  
PG&E Piedmont Substation E  
408 Linda Avenue  
Piedmont, California  
SECOR PN: 05OT.50173.01  
February 28, 2005

PLANNING APPROVAL CODE

PLANNING APPROVAL DATE

BUILDING APPROVAL DATE

CITY OF PIEDMONT
DEPARTMENT OF PUBLIC WORKS

120 VISTA AVE / PIEDMONT, CA 94611
PH (510) 420-3090
FAX (510) 698-3167

PERMIT NUMBER
EX04-00011

APPLICATION RECEIVED:
12/3/2004
ISSUE DATE
12/15/2004

Form containing fields for JOB ADDRESS, PERMIT TYPE, OWNER, CONTRACTOR, ARCHITECT/ENGINEER/DESIGNER, JOB DESCRIPTION, and FEES.

OWNER/BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason
I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale. (Sec. 7044 (a) ) , Business and Professions Code: The Contractor's License Law does not apply to an owner of the property who builds or improves thereon, and who does such work themselves or through their own employees, provided that such improvements are not intended or offered for sale.
I, as owner of the property, am exclusively contracting with licensed contractors to construct the project
I am exempt under Sec. \_\_\_\_\_, B. & P.C. for this reason: \_\_\_\_\_

WORKER'S COMPENSATION DECLARATION

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California and agree that if I should become subject to the Worker's Compensation provisions of the Labor Code, I shall forthwith comply with these provisions or this permit shall be deemed revoked

I hereby affirm that I have a certificate of consent to self insure, or a certificate of Workers' Compensation Insurance, as required by Section 3700, Labor Code for the performance of the work for which this permit is issued

UNIFORM BUILDING CODE

Permit Expiration (Sec. 106.4.4). Every permit issued by the building official under the provisions of this code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within 180 days from the date of such permit, or if the building or work authorized by such permit is suspended, abandoned, or not inspected at any time after the work is commenced for a period of 180 days. Before such work can be recommenced, a new permit shall be first obtained to do so, and the fee therefore shall be one half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work, and provided further that such suspension or abandonment has not exceeded one year. In order to renew action on a permit after expiration, the permittee shall pay a new full permit fee

Any permittee holding an unexpired permit may apply for an extension of the time within which work may commence under that permit when the permittee is unable to commence work within the time required by this section for good and satisfactory reasons. The building official may extend the time for action by the permittee for a period not exceeding 180 days on written request by the permittee showing that circumstances beyond the control of the permittee have prevented action from being taken. No building permit shall be extended more than once.

OWNER - CONTRACTOR - AGENT

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION GIVEN IS TRUE AND CORRECT. I AGREE TO COMPLY WITH ALL LOCAL ORDINANCES AND STATE LAWS RELATING TO BUILDING CONSTRUCTION AND I MAKE THIS STATEMENT UNDER PENALTY OF LAW. I HEREBY AUTHORIZE REPRESENTATIVES OF THIS CITY/COUNTY TO ENTER UPON THE ABOVE MENTIONED PROPERTY FOR INSPECTION PURPOSES. DO NOT CONCEAL OR COVER ANY CONSTRUCTION UNTIL THE WORK IS INSPECTED AND THE INSPECTION IS RECORDED.

Signature and date lines for Owner/Contractor/Agent and Date.

408 LINDA AVE

EX04-00011

**INSPECTION RECORD**  
FIELD COPY

**CITY OF PIEDMONT**  
**DEPT. OF PUBLIC WORKS**  
**120 VISTA AVE.**  
**PIEDMONT, CA 94611**  
PHONE: (415) 430 3050

**PERMIT NUMBER**  
EX04-00011

DATE 12/15/2004  
PROJECT ADDRESS 408 LINDA AVE  
PROJECT DESCRIPTION REMOVAL OF LEAD CONTAINING SOIL  
PROJECT OWNER P O & B  
CONTRACTOR NAME CORNERSTONE  
PHONE 9252999225

INSPECTION TYPE	INITIALS	DATE	COMMENTS
TEMP POWER POLE			
EROSION CONTROL			
ROUGH GRADING/CERT			
RETRACS			
FOUND FORM/REBAR			
UPER GROUND			
FEAS/PAD FOOTINGS			
RET. WALL FORM/REBAR			
GEOTECH CERT			
SLAB FORM/REIN			
F-BOLTED BOLTS			
SEISMIC ANCHORS			
WATER PROOFING			
DRAINAGE			
SIDEWALK FORMS			
DRAPES UNDER FW			
U.G. ELECTRICAL			
U.G. PLUMBING			
U.G. WATER SERVICE			
U.G. SEWER			
U.F. FRAMING			
U.F. PLUMBING			
U.F. ELECTRICAL			
U.F. SEWER			
U.F. MECHANICAL			
STRUCT STEEL			
WELD CERT			
SPECIAL INSPECTION			
SHEAR NAILING-EXT			
SHEAR NAILING-INT			
ROUGH FRAMING			
ROUGH FLOOR SHEATH			
ROUGH ELECTRIC			
ROUGH PLUMBING			
ROUGH FIRE SPRINK			
ROUGH MECHANICAL			
ROUGH FIREPLACE			
ROUGH GAS TEST			
ROOF SHEATHING			
ROOF VENTS			
FLOOR WATER PROOF			
INSULATION-WALL			
INSULATION-U.F.			
INSULATION-CEILING			
DRYWALL			
LATH INTERIOR			
LATH EXTERIOR			
CEMENT BOARD			
BROWER PAN			
ROOF COVERING			
POOL WATERLAPPING			
POOL FIBER-PLASTER			
IRRIGATION BACKFLOW			
PERMIT EXTENSION			
FINAL ELECTRICAL			
FINAL ELECT. SERVICE			
FINAL PLUMBING			
FINAL SEWER			
FINAL SEWER TO MAIN			
FINAL MECHANICAL			
FINAL GAS TEST			
FINAL FIRE SPRINK			
FINAL POOL BARRIER			
FINAL LANDSCAPE			
FINAL GRADING/CERT			
FINAL SIGN			
FINAL SIGN LIGHT			
FINAL INSPECTION			

# NOTICE

THE CORRECTED SET OF  
 PLANS MUST BE KEPT ON JOB  
 AT ALL TIMES

SOIL SAMPLE LOCATION WITH SAMPLE ID  
 COLLECTED ON JUNE 28, 2004

APPROXIMATE PROPERTY BOUNDARY

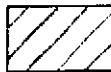
FORMER 2001 EXCAVATION AREAS

AREA OF PROPOSED EXCAVATION

MILLIGRAMS PER KILOGRAM

### LEGEND:

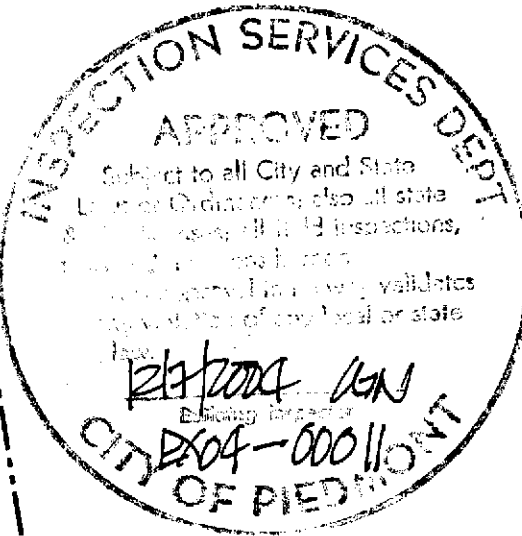
S-1A,B



mg/kg

TABLE 1

SAMPLE ID	LEAD mg/kg	DEPTH (INCHES)
S-1A	15	6-9
S-1B	100	12-15
S-2A	250	6-9
S-2B	230	12-15
S-3A	330	6-9
S-3B	270	12-15
S-4A	300	6-9
S-4B	140	12-15



CEMENT WALKWAY

CEMENT WALKWAY

SIDEWALK

EXC. CONF 1  
0820

EXC  
CONF 2  
0840

AREA OF WORK

EXC CONF 3  
0850

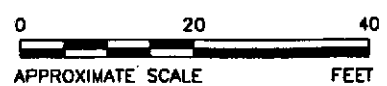
EXC. CONF 4  
0910

RECEIVED

DEC 2 2004

PUBLIC WORKS  
CITY OF PIEDMONT

408 Linda Ave.



DRAWN	RRR
APPR	MAS
DATE	OCTOBER 10, 2004
JOB NO.	05OT.50173.00.0002

FIGURE 1  
 PG&E - PIEDMONT SUBSTATION "E"  
 PIEDMONT, CALIFORNIA  
 SOIL SAMPLE LOCATIONS AND  
 AREA OF PROPOSED EXCAVATION  
 JUNE 28, 2004

2/2/05

Cornerstone Environmental  
Mr. Eric James  
3527 Mt. Diablo Blvd.  
Lafayette 94549

Re: Piedmont Project (PG&E)

Dear Mr. James

Stevens Creek Quarry shipped Cornerstone Environmental topsoil from our Cupertino Plant in Cupertino, California. The soil that was used on your project came from a hill in the front of our quarry. Particle size data show a sandy loam classification by USDA. Our Topsoil is used for schools and other projects all over the bay area. Santa Clara Valley Water Department has used our topsoil for many of their projects and PG&E regularly buys materials from our Quarry.

Available nutrient levels reveal low nitrogen, phosphorous and potassium. Calcium, magnesium and sulfate are available in sufficient levels.

Yours Truly,  
*Pat Hennigan*  
Patrick J Hennigan  
Sales Manager Stevens Creek Quarry

PROJECT #05-102  
HCB LINDA AVE, PIEDMONT, CA



**Stevens Creek Quarry, Inc.**  
12100 Stevens Canyon Road • Cupertino, CA 95014  
(408) 253-2512 • FAX (408) 257-4614 • Contractor's License No. 155174

**Keller Canyon Sanitary Landfill**  
 901 Bailey Road  
 Pittsburg, CA 94565  
 Phone (925) 458-9800  
 Fax (925) 458-9891

**Ox Mountain Sanitary Landfill**  
 12310 San Mateo Road  
 Half Moon Bay, CA 94019  
 Phone (650) 726-1819  
 Fax (650) 726-9183

**Newby Island Sanitary Landfill**  
 1601 Dixon Landing Road  
 Milpitas, CA 95035  
 Phone (408) 945-2800  
 Fax (408) 262-2871

**Forward Landfill**  
 9999 S. Austin Road  
 Manteca, CA 95336  
 Phone (209) 982-4298  
 Fax (209) 982-1009

**NON-HAZARDOUS WASTE MANIFEST**

GENERATOR <u>PG&amp;E</u>		WASTE ACCEPTANCE NO.	
MAILING ADDRESS <u>77 BORL0 ST.</u>		-	
MAIL CODE - <u>13-248</u>		REQUIRED PERSONAL PROTECTIVE EQUIPMENT	
CITY, STATE, ZIP <u>SAN FRANCISCO - CA 94120</u>		<input type="checkbox"/> GLOVES <input type="checkbox"/> GOGGLES <input type="checkbox"/> RESPIRATOR <input type="checkbox"/> HARD HAT <input type="checkbox"/> TY-VEK <input type="checkbox"/> OTHER	
PHONE <u>415-973-8525</u>		SPECIAL HANDLING PROCEDURES:	
CONTACT PERSON <u>DANIEL SANCHEZ</u>		RECEIVING FACILITY	
SIGNATURE OF AUTHORIZED AGENT / TITLE		DATE	
* <u>TRW</u>		<u>BJR/DS</u>	
<small>GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.</small>			
WASTE TYPE: <u>DISPOSAL</u>			
<input checked="" type="checkbox"/> DISPOSAL <input type="checkbox"/> SLUDGE <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> WOOD <input type="checkbox"/> DEBRIS <input type="checkbox"/> OTHER <input type="checkbox"/> SPECIAL WASTE			
GENERATING FACILITY <u>408 LINDA AVE</u>			
TRANSPORTER		NOTES:	VEHICLE LICENSE NUMBER
ADDRESS <u>1125 S 721</u>			<u>9B2C83</u>
CITY, STATE, ZIP			TRUCK NUMBER
PHONE			<u>06</u>
SIGNATURE OF AUTHORIZED AGENT OR DRIVER		END DUMP	BOTTOM DUMP
* <u>Jaswant</u>		<input type="checkbox"/>	<input type="checkbox"/>
DATE <u>1-18-05</u>		TRANSFER	<input checked="" type="checkbox"/>
		ROLL-OFF(S)	FLAT-BED
		<input type="checkbox"/>	<input type="checkbox"/>
		VAN	DRUMS
		<input type="checkbox"/>	<input type="checkbox"/>
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		CUBIC YARDS	
REMARKS		DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)	
FACILITY TICKET NUMBER		DISPOSE                      OTHER	
SIGNATURE OF AUTHORIZED AGENT		<input type="checkbox"/> SOIL	
DATE		<input type="checkbox"/> CONSTRUCTION DEBRIS	
*		<input type="checkbox"/> NON-FRIABLE ASBESTOS	
		<input type="checkbox"/> WOOD	
		<input type="checkbox"/> ASH	
		<input type="checkbox"/> SPECIAL OTHER	

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # **77503**

**Keller Canyon Sanitary Landfill**  
 901 Bailey Road  
 Pittsburg, CA 94565  
 Phone (925) 458-9800  
 Fax (925) 458-9891

**Ox Mountain Sanitary Landfill**  
 12310 San Mateo Road  
 Half Moon Bay, CA 94019  
 Phone (650) 726-1819  
 Fax (650) 726-9183

**Newby Island Sanitary Landfill**  
 1601 Dixon Landing Road  
 Milpitas, CA 95035  
 Phone (408) 945-2800  
 Fax (408) 262-2871

**Forward Landfill**  
 9999 S. Austin Road  
 Manteca, CA 95336  
 Phone (209) 982-4298  
 Fax (209) 982-1009

**NON-HAZARDOUS WASTE MANIFEST**

GENERATOR <i>PG, 412</i>		WASTE ACCEPTANCE NO. <i>- 5056</i>	
MAILING ADDRESS <i>77 BEALE ST.</i>			
MAIL CODE - <i>B-248</i>			
CITY, STATE, ZIP <i>SAN FRANCISCO CA 94120</i>		REQUIRED PERSONAL PROTECTIVE EQUIPMENT	
PHONE <i>415-973-8525</i>		<input type="checkbox"/> GLOVES <input type="checkbox"/> GOGGLES <input type="checkbox"/> RESPIRATOR <input type="checkbox"/> HARD HAT <input type="checkbox"/> TY-VEK <input type="checkbox"/> OTHER	
CONTACT PERSON <i>DANIEL SANCHEZ</i>		SPECIAL HANDLING PROCEDURES:	
SIGNATURE OF AUTHORIZED AGENT / TITLE <i>* TRKX</i>	DATE <i>10/5/05</i>		
<small>GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.</small>		RECEIVING FACILITY	
WASTE TYPE: <input checked="" type="checkbox"/> DISPOSAL <input type="checkbox"/> SLUDGE <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> WOOD <input type="checkbox"/> DEBRIS <input type="checkbox"/> OTHER <input type="checkbox"/> SPECIAL WASTE			
GENERATING FACILITY <i>408 LINDA AVE.</i>			
TRANSPORTER <i>GOLDEN TRAW</i>	NOTES:	VEHICLE LICENSE NUMBER <i>9883054</i>	TRUCK NUMBER <i>7501</i>
ADDRESS			
CITY, STATE, ZIP			
PHONE			
SIGNATURE OF AUTHORIZED AGENT OR DRIVER <i>* W...</i>	DATE <i>11/8/05</i>	END DUMP <input type="checkbox"/>	BOTTOM DUMP <input type="checkbox"/>
		TRANSFER <input type="checkbox"/>	ROLL-OFF(S) <input type="checkbox"/>
		FLAT-BED <input type="checkbox"/>	VAN <input type="checkbox"/>
		DRUMS <input type="checkbox"/>	
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		CUBIC YARDS	
REMARKS		DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)	
FACILITY TICKET NUMBER		DISPOSE                      OTHER	
SIGNATURE OF AUTHORIZED AGENT		<input type="checkbox"/> SOIL <input type="checkbox"/> CONSTRUCTION DEBRIS <input type="checkbox"/> NON-FRIABLE ASBESTOS <input type="checkbox"/> WOOD <input type="checkbox"/> ASH <input type="checkbox"/> SPECIAL OTHER	
DATE			

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.  
 GENERATOR COPY                      MANIFEST # **77502**



**Keller Canyon Sanitary Landfill**  
 901 Bailey Road  
 Pittsburg, CA 94565  
 Phone (925) 458-9800  
 Fax (925) 458-9891

**Ox Mountain Sanitary Landfill**  
 12310 San Mateo Road  
 Half Moon Bay, CA 94019  
 Phone (650) 726-1819  
 Fax (650) 726-9183

**Newby Island Sanitary Landfill**  
 1601 Dixon Landing Road  
 Milpitas, CA 95035  
 Phone (408) 945-2800  
 Fax (408) 262-2871

**Forward Landfill**  
 9999 S. Austin Road  
 Manteca, CA 95336  
 Phone (209) 982-4298  
 Fax (209) 982-1009

**NON-HAZARDOUS WASTE MANIFEST**

GENERATOR <i>PG&amp;E-</i>		<b>WASTE ACCEPTANCE NO.</b>	
MAILING ADDRESS <i>77 BERLE ST.</i>		<i>- 5056</i>	
CITY, STATE, ZIP <i>MAIL CODE - B-248</i>		REQUIRED PERSONAL PROTECTIVE EQUIPMENT	
PHONE <i>SAN FRANCISCO - CA 94120</i>		<input type="checkbox"/> GLOVES <input type="checkbox"/> GOGGLES <input type="checkbox"/> RESPIRATOR <input type="checkbox"/> HARD HAT	
CONTACT PERSON <i>DANIEL SANCHEZ</i>		<input type="checkbox"/> TY-VEK <input type="checkbox"/> OTHER	
SIGNATURE OF AUTHORIZED AGENT / TITLE		DATE	
<i>* [Signature]</i>		<i>18 JAN 05</i>	
<small>GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.</small>			
<b>WASTE TYPE:</b> <input checked="" type="checkbox"/> DISPOSAL <input type="checkbox"/> SLUDGE <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> WOOD <input type="checkbox"/> DEBRIS <input type="checkbox"/> OTHER <input type="checkbox"/> SPECIAL WASTE			
GENERATING FACILITY <i>408 LINDA AVE.</i>			
TRANSPORTER <i>GOLDEN TRANS</i>		NOTES:	
ADDRESS		VEHICLE LICENSE NUMBER	TRUCK NUMBER
CITY, STATE, ZIP		<i>91383054</i>	<i>7501</i>
PHONE		END DUMP	BOTTOM DUMP
SIGNATURE OF AUTHORIZED AGENT OR DRIVER		<input type="checkbox"/>	<input type="checkbox"/>
DATE		ROLL-OFF(S)	FLAT-BED
<i>* [Signature]</i>		<input type="checkbox"/>	<input type="checkbox"/>
<i>1-18-05</i>		VAN	DRUMS
		<input type="checkbox"/>	<input type="checkbox"/>
<b>I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.</b>		CUBIC YARDS	
REMARKS		DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)	
FACILITY TICKET NUMBER		DISPOSE	OTHER
SIGNATURE OF AUTHORIZED AGENT		<input type="checkbox"/> SOIL	
DATE		<input type="checkbox"/> CONSTRUCTION DEBRIS	
<i>*</i>		<input type="checkbox"/> NON-FRIABLE ASBESTOS	
		<input type="checkbox"/> WOOD	
		<input type="checkbox"/> ASH	
		<input type="checkbox"/> SPECIAL OTHER	

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # **77501**

Keller Canyon  
Sanitary Landfill  
901 Bailey Road  
Pittsburg, CA 94565  
Phone (925) 458-9800  
Fax (925) 458-9891

Ox Mountain  
Sanitary Landfill  
12310 San Mateo Road  
Half Moon Bay, CA 94019  
Phone (650) 726-1819  
Fax (650) 726-9183

Newby Island  
Sanitary Landfill  
1601 Dixon Landing Road  
Milpitas, CA 95035  
Phone (408) 945-2800  
Fax (408) 262-2871

Forward  
Landfill  
9999 S. Austin Road  
Manteca, CA 95336  
Phone (209) 982-4298  
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR <b>PG 91 E.</b>		WASTE ACCEPTANCE NO. <b>-505L</b>	
MAILING ADDRESS <b>77 - BEALE ST.</b>		REQUIRED PERSONAL PROTECTIVE EQUIPMENT <input type="checkbox"/> GLOVES <input type="checkbox"/> GOGGLES <input type="checkbox"/> RESPIRATOR <input type="checkbox"/> HARD HAT <input type="checkbox"/> TY-VEK <input type="checkbox"/> OTHER	
CITY, STATE, ZIP <b>SAF SAN FRANCISCO CA 94120</b>			
PHONE <b>415-973-8525</b>			
CONTACT PERSON <b>DANIEL SANCHEZ</b>		SPECIAL HANDLING PROCEDURES:	
SIGNATURE OF AUTHORIZED AGENT / TITLE <b>* [Signature]</b>		DATE <b>10/20/05</b>	
<small>GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or Title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.</small>			
WASTE TYPE: <input checked="" type="checkbox"/> DISPOSAL <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> DEBRIS <input type="checkbox"/> SPECIAL WASTE		<input type="checkbox"/> SLUDGE <input type="checkbox"/> WOOD <input type="checkbox"/> OTHER	
GENERATING FACILITY <b>108 LINDA AVE.</b>		RECEIVING FACILITY	
TRANSPORTER <b>DWEST O TRK</b>		NOTES:	VEHICLE LICENSE NUMBER <b>9B25283</b>
ADDRESS		TRUCK NUMBER <b>06</b>	
CITY, STATE, ZIP		END DUMP <input type="checkbox"/> BOTTOM DUMP <input type="checkbox"/> TRANSFER <input checked="" type="checkbox"/>	
PHONE		ROLL-OFF(S) <input type="checkbox"/> FLAT-BED <input type="checkbox"/> VAN <input type="checkbox"/> DRUMS <input type="checkbox"/>	
SIGNATURE OF AUTHORIZED AGENT OR DRIVER <b>* [Signature]</b>		DATE <b>1-18-06</b>	
<p>I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.</p>		CUBIC YARDS	
		DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)	
		DISPOSE	
		OTHER	
		REMARKS	
FACILITY TICKET NUMBER		<input type="checkbox"/> SOIL	
SIGNATURE OF AUTHORIZED AGENT		<input type="checkbox"/> CONSTRUCTION DEBRIS	
DATE		<input type="checkbox"/> NON-FRIABLE ASBESTOS	
* [Signature]		<input type="checkbox"/> WOOD	
		<input type="checkbox"/> ASH	
		<input type="checkbox"/> SPECIAL OTHER	

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # **77504**

Certified DBE SMBE SWBE

# DEN BESTE TRANSPORTATION INC.

398808

CA 0029954

EPA #CAD982513632  
Hazardous Waste Hauler #2578

820 DEN BESTE COURT  
WINDSOR, CA 95492

**SHIPPING ORDER  
and FREIGHT BILL**

(707) 838-1407

Fax: (707) 838-7947

Date 1/19/00 2000  
TRUCK NO. 06 TRAILER NO. 36  
SUB HAULER THUS 332

PRIMER CARRIER <u>DEN BESTE</u>	SUB NO.	CONSIGNEE
SHIPPER <u>F L R F</u>		DESTINATION <u>FORWARD LAUNDRY</u>
POINT OF ORIGIN <u>4110A AVE</u>		CITY <u>MANTECA</u>
CITY <u>OKLAHOMA</u>		P.O. NO.

SERVICE PERFORMED: <u>Waste Hauling 10:30</u>	BIN/TANK NUMBERS DELIVERED:
	BIN/TANK NUMBERS PICKED UP:
EXPLAIN DELAYS LOADING:	NUMBER OF LINERS USED:
	MANIFEST NUMBER:
UNLOADING:	WEIGHT TICKET NUMBER:

**DEN BESTE OFFICE USE ONLY**

MANIFEST NUMBERS: 77203

77504

SCALE TAG NUMBERS: 442171 1127

NOTES: CF, Ho.

TOTAL HOURS OR TONS	
RATE PER HOUR OR TON \$	
SUB TOTAL \$	
DISPOSAL TONS \$	
DISPOSAL RATE \$	
SUB TOTAL \$	
LINERS \$	
<b>TOTAL CHARGES \$</b>	

START <u>10:00AM</u>	STOP <u>7:30</u>	DEDUCT TIME <u>00</u>	NET <u>45</u>
DRIVER <u>[Signature]</u>	RECEIVED BY <u>[Signature]</u>		APPROVED (BILLING)
			APPROVED (PAYROLL)

WE MAKE DELIVERIES INSIDE THE CURB LINE AND ON THE LOT AT THE CUSTOMER'S RISK ONLY AND ACCEPT NO RESPONSIBILITY FOR DAMAGES RESULTING FROM SUCH DELIVERIES.

ALL BILLS DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 1 1/2% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 18%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.



# GOLDEN TRANSPORT

P.O. Box 30761 • Stockton, CA 95213 • 209-483-6593

126

JOB NO.	
P.O. NO.	

SHIPPER PG&E	CONSIGNEE DLNBESTE.	JOB #	BILL TO PG&E
ADDRESS 1108 LINDA AVE.	ADDRESS	ADDRESS	
SUB-HAILER GOLDEN	TRAILER OWNER TRAKS	TRUCK NO. 1501	MILES ONE WAY
TRUCK LICENSE 71583054	TRAILER LICENSE 1815-7219	TRAILER NO.	# OF AXLES MO. 1 DAY 12 YR. 05
POINT OF ORIGIN - PLANT - CITY LINDA AVE. PIEDMONT.	EXACT POINT OF DESTINATION - STREET - CITY FORWARD MANTUCA		

COMMODITY	TAG NUMBER	WEIGHT	LOADING		UNLOADING		STANDBY	REMARKS
			ARRIVED	DEPART	ARRIVED	DEPART		
1. DIRT	77502	2070.	10:00	10:30	12:30	1:00		
2. "		"	2:40	3:10	4:30	5:00		
3.			MUST BE TURNED IN WITHIN					
4.			3 DAYS					
5.			COMPLETE & SIGNED					
6.			OR A \$5.00 LATE CHARGE					
7.			WILL BE ASSESSED					
8.								
9.								
10.								
11.								

DISPATCH TIME 10:00	ELAPSED RUNNING TIME (LOADED TRAVEL TIME OF LAST LOAD) IN MINUTES	2:40	FROM LINE A TO LAST LOAD OR WEIGHT TIME PLUS DOUBLE LINE B PLUS LINE F, OR ELAPSED TIME FROM LINE A TO LINE C IS	TIME THAT DEBITOR SHOULD NOT HAVE TO PAY FOR: SHOW-N-DOWN TIME, LUNCH, ETC. IN REMARKS SECTION	ELAPSED UNLOADING TIME OF LAST LOAD IN MINUTES
START TIME 10:00	LINE B: ADDED TO LAST UNLOADED TIME IS END TIME:	7:30	TOTAL TIME:	9:30	DEDUCTIONS:
					LINE D: LESS LINE (E) IS NET TIME

NOTICE: IF LEGAL ACTION IS REQUIRED TO EFFECT PAYMENT ON THIS INVOICE CUSTOMER AGREES TO PAY ALL COURT COSTS AND REASONABLE ATTORNEY FEES. (\$3 1/3%)  
 The above quoted price constitutes the cash price. If this account has not been paid in full within thirty days the price is that which is quoted above plus 1 1/2% per month until paid in full.  
 NOTE: NOT RESPONSIBLE FOR ANY DAMAGE DONE BY DELIVERING TRUCK.  
 \*These charges include (1) fees to pay for regulation of transportation companies by the California Public Utilities Commission and (2) taxes paid to California cities instead of excise or business license taxes they could otherwise impose.

DRIVER'S NAME DAN WINGH	P/ROLL	CONSIGNEE TRAKS	OFFICE USE ONLY	
PLEASE PRINT		SIGNATURE	TOTALS	A B
			TONNAGE	
			HOURS	
			RATE	
			AMOUNT	



# FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION P.O. Box 6336  
 Manteca, CA 95336 Stockton, CA 95206  
 Landfill: (209) 982-4298 / WEIGHING LOCATION Main Office: (209) 466-4482  
 Resource Recovery: (209) 982-4936 Fax: (209) 466-0631  
 0057056  
 SHELL OIL PRODUCTS  
 DENIS BROWN - RIFR #4012  
 20945 S. WILMINGTON DRIVE  
 CARSON, CA 90745  
 Contract: 5056H

SCALE	442171	GRID
WEIGHMASTER		
DATE IN	18 January 2000	TIME IN
DATE OUT	18 January 2000	TIME OUT
VEHICLE		ROLL OFF
REFERENCE		ORIGIN
		(OAKLAND)

00 Gross Weight 64,540.00 LB Inbound - SCALE TICKET  
 Stored Tare Weight 31,200.00 LB  
 Net Weight 33,340.00 LB 16.67 TN

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.67	TN	CLASS II COVER SOIL				

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GRID MANIFEST 2000

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

*Handwritten signature*



# FORWARD INCORPORATED

1 South Austin Road / WEIGHING LOCATION  
Teca, CA 95336  
Tel: (209) 982-4298 / WEIGHING LOCATION  
Waste Recovery: (209) 982-4936

P.O. Box 6336  
Stockton, CA 95206  
Main Office: (209) 466-4482  
Fax: (209) 465-0631

005056  
SHELL OIL PRODUCTS  
DENIS BROWN - RIPR #40124  
20945 S. WILMINGTON DRIVE  
CARSON, CA 90745  
Contract: 5056#

00	442172	
NANCY PONCE		
18 January 2005	12:16 PM	
18 January 2005	12:16 PM	
CALIFORNIA 507		
SAN FRANCISCO		

Gross Weight 67,520.00 LB  
Stored Tare Weight 30,240.00 LB  
Net Weight 37,280.00 LB

Inbound - SCALE TICKET

18 OIL/F

18.57 TN 12 CLASS II COVER SOIL

2102  
247

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GRID

MANIFEST 70562

DRIVER'S SIGNATURE

9.5 hrs

82 100



# FORWARD INCORPORATED

South Austin Road/WEIGHING LOCATION P.O. Box 6336  
 Stockton, CA 95206  
 Main Office: (209) 466-4482  
 Waste Recovery: (209) 982-4936 Fax: (209) 465-0631

005056  
 SHELL OIL PRODUCTS  
 DENIS BROWN - RIPR #40124  
 20945 S. WILMINGTON DRIVE  
 CARSON, CA 90745  
 CONTRACT: 5056#

01	442382	
NANCY PONCE		
18 JANUARY 2005	5:11 PM	
18 JANUARY 2005	5:11 PM	
GOLDEN 501		
SAN FRANCISCO		

GROSS WEIGHT 70,240.00 LB  
 STORED TARE WEIGHT 30,380.00 LB  
 NET WEIGHT 39,860.00 LB 19.93 TN

INBOUND - SCALE TICKET

19.93 TN 12 CLASS II COVER SOIL

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GRID

MANIFEST 7#501

DRIVER'S SIGNATURE

9.5 hr  
 10.00



# FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION P.O. Box 6336  
 Manteca, CA 95336 Stockton, CA 95206  
 Landfill: (209) 982-4298 / WEIGHING LOCATION Main Office: (209) 466-4482  
 Resource Recovery: (209) 982-4936 Fax: (209) 465-0631

005056  
 SHELL OIL PRODUCTS  
 DENIS BROWN - RIPR #40124  
 20945 S. WILMINGTON DRIVE  
 CARSON, CA 90745  
 Contract: 5056#

SITE	TICKET	GRID
00	442303	
WEIGHMASTER		
MORITNA DIM		
DATE IN	TIME IN	
15 January 2005	5:58 pm	
DATE OUT	TIME OUT	
18 January 2005	5:58 pm	
VEHICLE	ROLL OFF	
REFERENCE	ORIGIN	
	OAKLAND	

Gross Weight 72,200.00 LB  
 Stored Tare Weight 31,200.00 LB  
 Net Weight 41,000.00 LB 20.50 TN  
 Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.50	TN	12 CLASS II COVER SOIL				

**WEIGHMASTER CERTIFICATE** THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

GRID

MANIFEST#504

DRIVER'S SIGNATURE

NET AMOUNT	
TENDERED	
CHANGE	10.5 hrs
CHECK NO	80.00
	840.00
	29.40



**ATTACHMENT 3**  
**PHOTOGRAPHIC LOG**

Soil Excavation Report  
PG&E Piedmont Substation E  
408 Linda Avenue  
Piedmont, California  
SECOR PN: 05OT.50173.01  
February 28, 2005

**SECOR INTERNATIONAL INCORPORATED  
PHOTOGRAPHIC RECORD**

**Client:** Pacific Gas and Electric Company  
**Site Name:** Piedmont Substation E

**Job Number:** 05OT.50173.01  
**Date:** February 2, 2005

**PHOTO No. 1**



Excavation of impacted soils, north end of site.

**PHOTO No. 2**



Excavation of impacted soils, south end of site.

**SECOR INTERNATIONAL INCORPORATED  
PHOTOGRAPHIC RECORD**

**Client:** Pacific Gas and Electric Company  
**Site Name:** Piedmont Substation E

**Job Number:** 05OT.50173.01  
**Date:** February 2, 2005

**PHOTO No. 3**



Completion of excavation to two feet below ground surface.

**PHOTO No. 4**



Loading and offhauling of impacted soils.



**SECOR INTERNATIONAL INCORPORATED  
PHOTOGRAPHIC RECORD**

**Client:** Pacific Gas and Electric Company

**Job Number:** 05OT.50173.01

**Site Name:** Piedmont Substation E

**Date:** February 2, 2005

**PHOTO No. 5**



Importation of backfill materials.

**PHOTO No. 6**



Emplacement and compaction of backfill materials.

**SECOR INTERNATIONAL INCORPORATED  
PHOTOGRAPHIC RECORD**

**Client:** Pacific Gas and Electric Company

**Job Number:** 05OT.50173.01

**Site Name:** Piedmont Substation E

**Date:** February 2, 2005

**PHOTO No. 7**



Completion of backfill and compaction activities.

**PHOTO No. 8**



Excavation area resurfaced with shredded bark.