WINZLER & KELLY
CONSULTING ENGINEERS

Ref: 02425-05001-32010

September 22, 2005

Ms. Joan Fleck
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 95403

Re: Well Abandonment Report, Former Mead Clark Lumber Company, Third and Railroad Streets, Santa Rosa, California, NCRWQCB Case No. 1TSR016

Dear Ms. Fleck:

This report summarizes Winzler & Kelly Consulting Engineers' (Winzler & Kelly's) well abandonment activities performed on April 29 and June 1, 2005, at the Former Mead Clark Lumber Facility located at 175 Railroad Street, Santa Rosa, California (Figures 1 and 2). As requested in a March 29, 2005 letter by the North Coast Regional Water Quality Control Board (NCRWQCB), Winzler & Kelly sampled monitoring wells GW-24 and GW-27, and then proceeded with abandoning the wells. In a May 23, 2005 letter, the NCRWQCB requested the additional abandonment of monitoring wells GW-34 and GW-36 to allow for the construction activities in the area planned by the City of Santa Rosa. Copies of the letters are provided in Appendix A.

GROUNDWATER SAMPLING AND WELL ABANDONMENT ACTIVITIES

The following is a summary of the well abandonment activities performed on April 28 and 29, and June 1, 2005.

Field Activity Dates: April 28, 2005 – Sampled monitoring wells GW-24 and GW-27
April 29, 2005 – Abandoned monitoring wells GW-24 and GW-27
June 1, 2005 – Abandoned monitoring wells GW-34 and GW-36

Personnel Present: Winzler & Kelly's Environmental Engineer, Pon Xayasaeng, performed groundwater monitoring and sampling activities. Winzler & Kelly's Geologists, Brian Wingard and David Vossler, oversaw well abandonment activities.

Permits: Prior to drilling, Winzler & Kelly obtained drilling permit #4652 dated April 12, 2005, from the County of Sonoma Department of Health Services for the abandonment of GW-24 and GW-27; and drilling permit #4702 dated May 25, 2005, was obtained for abandonment of GW-34 and GW-36. Copies of both permits are provided in Appendix B.

Groundwater Sampling: On April 28, 2005, monitoring wells GW-24 and GW-27 were sampled prior to abandonment. New disposable bailers were used to collect and transfer all groundwater samples from monitoring wells into the appropriate laboratory-supplied, certified clean sample containers.

Groundwater Sampling Analysis: Analytical Sciences Laboratory (Analytical Sciences) of Petaluma, California (a California-certified laboratory) analyzed the groundwater samples collected from each monitoring well for total petroleum hydrocarbons as gasoline (TPH-G), as diesel (TPH-D), and as motor oil (TPH-MO) by EPA Method 8015M, and for volatile hydrocarbons by EPA Method 8260B (full list).

Drilling Company: Woodward Drilling Co., Inc., of Rio Vista, California, C-57 License #710079 (for wells GW-24 and GW-27). Clear Heart Drilling Inc., of Santa Rosa, California, C-57 License #780357 (for wells GW-34 and GW-36)

Drilling Method: On April 29, 2005, Woodward Drilling Co. used an 8-inch hollow-stem auger drill rig to destroy monitoring wells GW-24 and GW-27. On June 1, 2005, Clear Heart Drilling Inc. destroyed monitoring wells GW-34 and GW-36 in place by pressure grouting (30 pounds per squared inch) each well. Copies of DWR-188 forms are provided in Appendix B.

Soil Disposal: Soil cuttings from the April 29, 2005 well abandonment was placed in a covered soils bin and stored at the Former Mead Clark Lumber Facility. On May 19, 2005, Denbeste Transportation, Inc., transported the soils bin to Republic Services, West Contra Costa Sanitary Landfill, located in Richmond, CA. A copy of the waste manifest is provided in Appendix C.

GROUNDWATER SAMPLING RESULTS

Prior to sampling monitoring wells GW-24 and GW-27, depth-to-groundwater was measured in each well. The groundwater elevation data is presented in Table 1.

During purging activities, the parameters of pH, conductivity, temperature, and oxidation-reduction potential were monitored in the groundwater extracted from the wells. A summary of these indicator parameters is provided in Table 2.

Laboratory analysis of groundwater samples collected from monitoring well GW-27 did not quantify any constituents of concern above the laboratory's reportable detection limits (RDLs).

Tetrachloroethene (PCE) was the only constituent quantified above the laboratory's RDLs in groundwater samples collected from monitoring well GW-24. PCE was detected at 2.9 µg/L in the groundwater sample collected from GW-24, which is below the California Maximum Contaminant Level of 5 µg/L for drinking water. PCE is not associated with the Former Mead Clark Lumber Facility site and is part of the larger chlorinated hydrocarbon plume in the neighboring areas. A comprehensive summary of the analytical results of groundwater sampling is provided in Table 3.

The laboratory QA/QC included the use of method blanks to exclude false-positive analyses and the use of laboratory control samples to evaluate the percentage recovery of known analyte spikes. The recovery percentages for all of the sample analytes were within the laboratory's acceptance ranges. The complete laboratory report, QA/QC data, and the chain-of-custody form are included in Appendix D.

GEOTRACKER DATA ENTRY

As required by Assembly Bill AB2886, Winzler & Kelly has submitted the April 28, 2005 groundwater well measurement file to the GeoTracker database. Verification of the data upload is provided in Appendix E. Winzler & Kelly will submit the analytical data for the April 28, 2005 sampling event upon receipt of the EDF report from Analytical Sciences as well as this report.

If you have any questions or comments regarding this project, please contact David J. Vossler, Project Manager, at (707) 523-1010.

Sincerely,
WINZLER & KELLY

P. Xayasaeng

Pon Xayasaeng
Environmental Engineer

PROFESSIONAL GEOLOGIST
KENT O'BRIEN
No. 2132
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

Kent O'Brien, PG, CEG
Senior Project Geologist

sc

Attachments

Figures:
- Figure 1 – Location Map
- Figure 2 – Vicinity Map

Tables:

Table 1 – Water Level Data and Well Construction Details
Table 2 – Field Indicator Parameters
Table 3 – Groundwater Sample Analyses Results

Appendices:

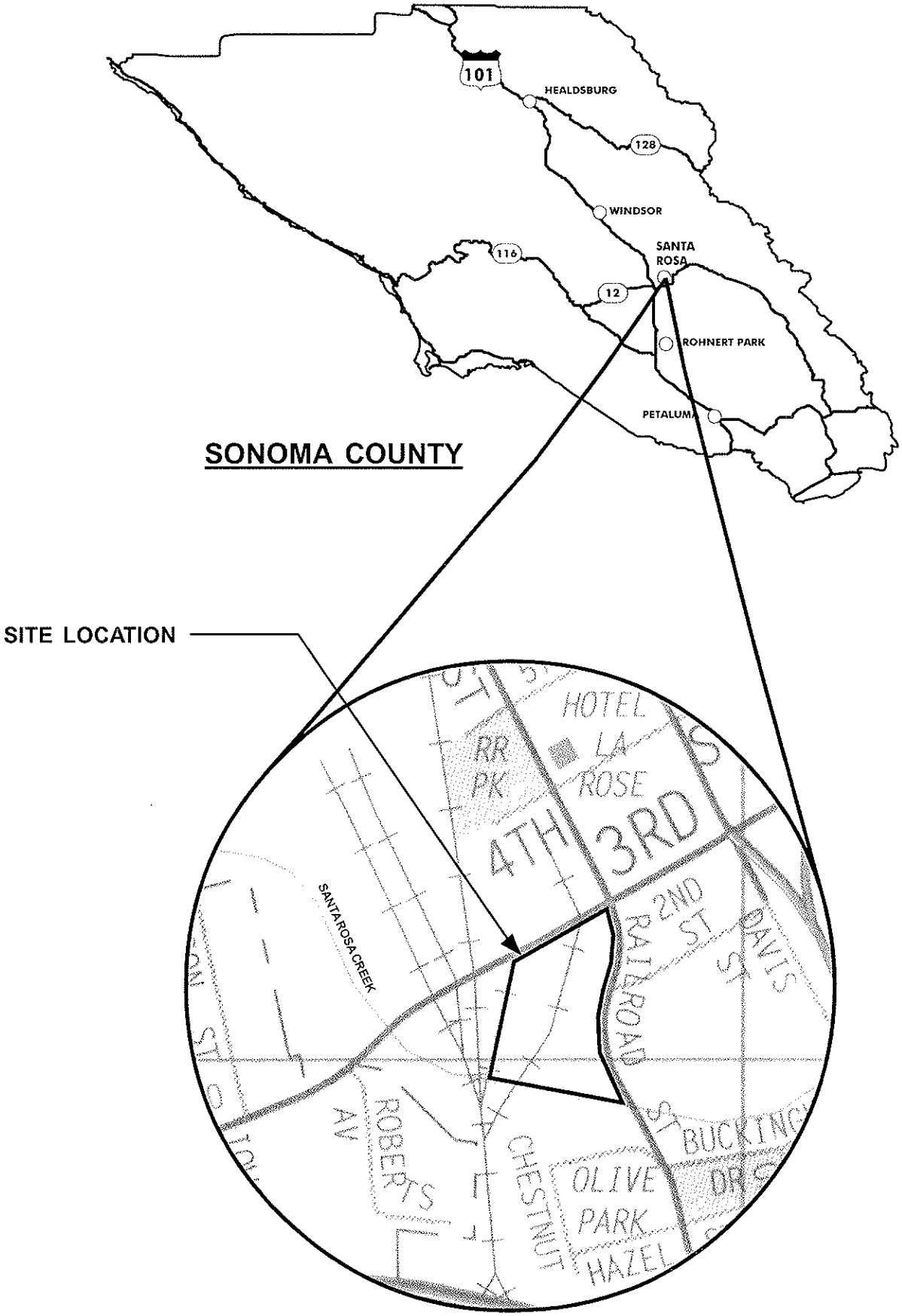
Appendix A – Agency Correspondence
Appendix B – Permits and DWR-188 Forms
Appendix C – Waste Manifest
Appendix D – Analytical Laboratory Report
Appendix E – GeoTracker Upload Verification

c: Mr. Kevin Destruel, Mead Clark Lumber Company, P.O Box 529, Santa Rosa, CA 95402

Mr. Paul Fitzpatrick, Law Offices of Clement, Fitzpatrick & Kenworthy, 3333 Mendocino Avenue, Santa Rosa, CA 95401

Ms. Lucrecia Milla, SMART, 4040 Civic Center Drive, Suite 200, San Rafael, CA 94903

Figures

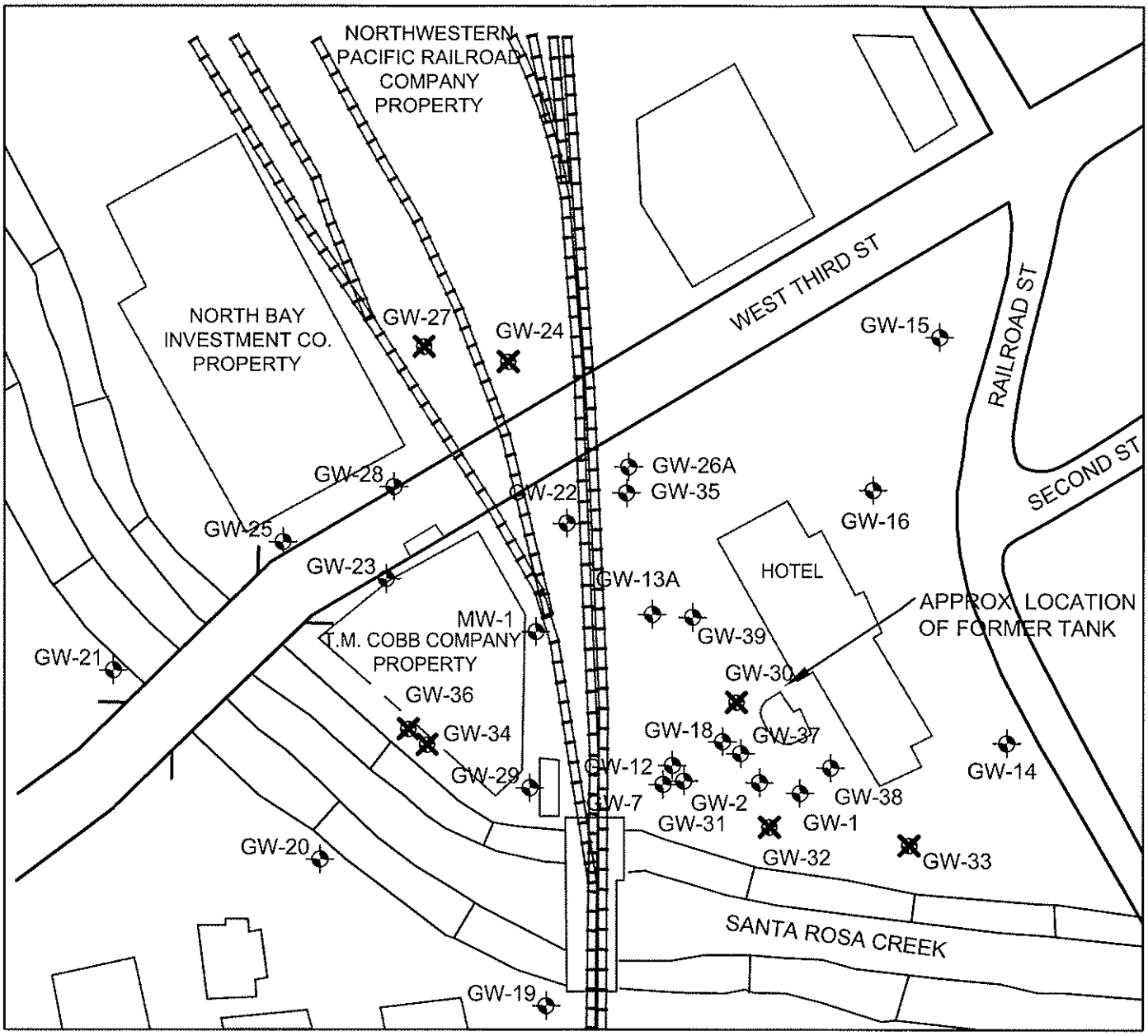


J:/00/242501/PAGEMAKER/242501F01.P65 01/22/03

LOCATION MAP
FORMER MEAD CLARK LUMBER COMPANY
THIRD & RAILROAD STREETS
SANTA ROSA, CA

FIGURE 1

WINZLER & KELLY
CONSULTING ENGINEERS



LEGEND:

GW-1 **MONITORING WELL LOCATION**

GW-30 **DESTROYED MONITORING WELL**

N

SCALE: 1"=150'

J:/00/242501/CAD/42501Z02.DWG 9-22-06 8:52:12 AM

VICINITY MAP
FORMER MEAD CLARK LUMBER COMPANY
THIRD & RAILROAD STREETS
SANTA ROSA, CA

FIGURE 2

WINZLER & KELLY CONSULTING ENGINEERS

Tables

Table 1. Water Level Data and Well Construction Details

Former Mead Clark Lumber Company
Third and Railroad Streets
Santa Rosa, California

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing Elevation (Mean Sea Level)	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval
					feet			
GW-24	4/28/2005	---	13.06	---	NM	10.0-30.0	10.0-36.5	0.0-10.0
GW-27	4/28/2005	---	11.06	---	NM	8.0-28.0	6.0-23.0	0.0-6.0

Notes:

NM = Not measured

--- = Well not surveyed

Table 2. Field Indicator Parameters

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Well ID	Sample Date	pH	Conductivity (uS/cm)	Temperature (^{o}F)	ORP (mV)
GW-24	4/28/2005	6.42	725	67.8	153
GW-27	4/28/2005	6.58	383	65.8	144

Notes:

uS/cm = microSiemens per centimeter
^{o}F = Degrees Fahrenheit
ORP = Oxidation-reduction potential
mV = millivolts

Table 3. Groundwater Sample Analyses Results

Former Mead Clark Lumber Company

Third and Railroad Streets, Santa Rosa, California

Well ID	Date Sampled	Analytic Methods	TPH-G	TPH-D	TPH-MO	B	T	E	X	MTBE	EDC or 1,2-DCA	Other Volatile Hydrocarbons
			ug/L									
GW-24	4/28/2005	8015M/8260B	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**PCE = 2.9** All others <1.0, TBA <25
GW-27	4/28/2005	8015M/8260B	<50	<50	<200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25

ABBREVIATIONS:

TPH-G = Total petroleum hydrocarbons as gasoline
TPH-D = Total petroleum hydrocarbons as diesel
TPH-MO = Total petroleum hydrocarbons as motor oil
B = Benzene
T = Toluene
E = Ethyl benzene
X = Total xylenes
MTBE = Methyl tert-butyl ether
EDC or 1,2-DCA = 1,2-Dichloroethane

Appendix A
Agency Correspondence

California Regional Water Quality Control Board
North Coast Region
Beverly Wasson, Chairman

Alan C. Lloyd, Ph.D.
Agency Secretary

http://www.waterboards.ca.gov/northcoast
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Phone: 1 (877) 721-9203 (toll free) • Office: (707) 576-2220 • FAX: (707) 523-0135

Arnold Schwarzenegger
Governor

March 29, 2005

Mr. Kevin Destruel
Mead Clark Lumber Company
P.O. Box 529
Santa Rosa, CA 95402

Mr. Mike Grant
Manager, Environmental Site Remediation
Union Pacific Railroad
49 Stevenson Street, 15th Floor
San Francisco, CA 94105

Gentlemen:

Subject: Groundwater Monitoring Wells Sampling & Abandonment

File: Mead Clark Lumber Company, Third Street, Santa Rosa, Case No. 1TSR016
Southern Pacific Transportation Company, Third Street Property, Santa Santa Rosa, Case No. 1TSR196

In February 2005, Ms. Norma Jellison contacted me regarding the groundwater monitoring wells installed on railroad property on behalf of the Mead Clark Lumber Company. The wells in question include GW-24 and GW-27 located north of Third Street. The interest in GW-24 and GW-27 relates to a potential change in property title and ownership of the wells.

Wells GW-24 and GW-27 may be properly abandoned because they are no longer needed for the Mead Clark Lumber Company investigation. Prior to abandonment, the wells must be sampled and tested for total petroleum hydrocarbons as gasoline (TPHg), diesel (TPHd), motor oil and the full EPA Method 8260 scan. I have relayed this information to Mr. Brian Wingard of Winzler & Kelly, consultant to the Mead Clark Lumber Company with instructions to proceed with the work.

A separate but related issue is the wells located south of Third Street also installed on behalf of the Mead Clark Lumber Company. These wells must also be sampled. An unresolved issue remains in this area regarding contaminant characterization and responsibility. Total petroleum hydrocarbons as diesel were reported in groundwater in the vicinity of the former railroad underground storage tanks at 14,000 and 6,500 ug/l during the Industrial Compliance phase of work in 1992. Total petroleum hydrocarbons as diesel were not reported during a later phase of work completed by Geomatrix. Total petroleum hydrocarbons as gasoline were detected.

On March 13, 1998, Regional Water Board staff concurred with the Union Pacific proposal to conduct a coordinated sampling event with the consultant for the Mead Clark investigation to

resolve this matter. However, the joint sampling event was not conducted and the issue of diesel verses gasoline has not and must be resolved.

Please take the necessary steps to conduct the coordinated sampling event. Splits samples must be collected from wells GW-26A, GW-35, GW-22 and GW-29 and analyzed by different analytical laboratories. Well GW-29 was installed as an extraction well and is screened across two permeable water-bearing zones. Therefore, standard purge methods may not be appropriate for this well for characterization of the shallow water-bearing zone. In addition, MW-1, installed by North Coast Regional Water Quality Control Board (MW-1) should also be sampled.

The analytical report is due within 60 days of issuance of this letter. Please contact me in advance of the scheduled sampling event so I can conduct a site inspection during field activities and provide you with the key to MW-1.

If you have any questions please call me at (707) 576-2675.

Sincerely,

Joan Fleck

Joan Fleck
Engineering Geologist

032905_JEF_Meadclarkwells

Cc: Fire Inspector Andrea Jensen, Santa Rosa Fire Department
Ms. Laura Kennedy, Kennedy/Jenks, 622 Folsom Street, San Francisco, CA 94107
Ms. Norma Jellison, Golden Gate Bridge Highway & Transportation District, 1011 Anderson Drive, San Rafael, CA 94901-5381
Mr. Brian Wingard, Winzler & Kelly, 495 Tesconi Circle, Santa Rosa, CA 95401-4696

California Regional Water Quality Control Board
North Coast Region
Beverly Wasson, Chairman

Alan C. Lloyd, Ph.D.
Agency Secretary

http://www.waterboards.ca.gov/northcoast
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Phone: 1 (877) 721-9203 (toll free) • Office: (707) 576-2220 • FAX: (707) 523-0135

Arnold Schwarzenegger
Governor

May 23, 2005

RECEIVED
MAY 31 2005
WINZLER & KELLY
SANTA ROSA

Mr. Kevin Destruel
Mead Clark Lumber Company
P.O. Box 529
Santa Rosa, CA 95402

Dear Mr. Destruel:

Subject: Waste Discharge Requirements

File: Mead Clark, Third Street, Santa Rosa, Case No. 1TSR016

Enclosed is General Waste Discharge Requirements Order No. R1-2004-0021 for the injection of hydrogen peroxide to treat petroleum hydrocarbons in groundwater at the former Mead Clark Lumber Company at Third and Railroad Avenue (175 Railroad Avenue) in Santa Rosa. Hydrogen peroxide injections will be conducted in association with ozone sparging to maximize groundwater treatment. Based on conversations with Mr. David Vossler of Winzler & Kelly, ozone sparging/hydrogen peroxide injections will begin in the next few weeks.

A monitoring & reporting program specific for this site will be issued under separate cover in the near future.

On another subject, it has come to my attention that the City of Santa Rosa (City) will begin construction of a bicycle ramp on the west side of the railroad tracks from the railroad bridge to the Prince Memorial Greenway beginning on June 1, 2005. GW-29 is in the project area. In addition, it appears that once the construction is complete, access to GW-34 and GW-36 for future well abandonment will be restricted. Therefore, these wells must be immediately abandoned. I have discussed this matter with Mr. David Vossler of Winzler & Kelly who is taking care of the well abandonment arrangements. I have notified Sonoma County Public Health Department of our concurrence of well abandonment to expedite the issuance of permits.

Two additional wells installed on your behalf (GW-25 and GW-28) remain in place in Third Street, which are no longer needed for the Mead Clark investigation and cleanup project. These wells may be useful to the City of Santa Rosa, who is conducting a groundwater investigation and cleanup in the area of these two wells. I recommend that Mr. Vossler communicate with Mr. David Montague with the Department of Public Works regarding the potential transfer of ownership of these wells from Mead Clark to the City. If the City is not interested, these wells should also be abandoned.

If you have any questions please call me at (707) 576-2675.

Sincerely,

Joan Fleck
Engineering Geologist

JEF:clh/052305_JEF_WDRtransletMeadClark

Enclosure: Waste Discharge Requirements R1-2004-002

Cc: Santa Rosa Fire Department
Mr. David Vossler, Winzler & Kelly, 495 Tesconi Circle, Santa Rosa, CA 95401-4696
Mr. David Montague, City of Santa Rosa, Public Works Department, 69 Stony Circle, Santa Rosa, CA 95401

Appendix B
Permits and DWR-188 Forms

COUNTY OF SONOMA — DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
475 Aviation Blvd., Suite 220, Santa Rosa, CA 95403
Phone (707) 565-6565 Fax (707) 565-6525 www.sonoma-county.org

APPLICATION FOR DRILLING PERMIT
for Regional Board Lead/Environmental Assessment / LOP Lead

For Office Use Only
Amount paid 310.00
Receipt number 33213
Payment date 4-12-05 Rev. code 1243
Site ID# ~~34415~~ 6009 14
Permit # 46532

Well type: [ ] Monitoring well [ ] Recovery extraction well [ ] Boring [ ] Injection well [X] Destruct [ ] Environmental assessment
[ ] Soil gas survey [ ] Direct push [ ] Air sparging/venting [ ] Remediation well [ ] Other

Well depth 31 ft / 27.5 ft Boring depth 36.5 ft / 32 ft.

On-site well/boring — ID # — # Off-site well/boring 2 ID # GW-24 / GW-27

Submit legal right-of-entry/off-site well address/encroachment permit

On-site Address ~~2 4th Street~~ 175 RAILROAD AP# 010-160-004

Facility Name Northwestern Pacific Railroad Authority

On-site Owner Same Phone

Street 2 4th Street City Santa Rosa State CA Zip

Responsible Party Jean Destrevel Phone (707) 576-3333

Street P.O. Box 529 City Santa Rosa State CA Zip 95402

Consultant Winzler & Kelly Consulting Engineers Phone (707) 523-1010

Street 495 Tesconi Circle City Santa Rosa State CA Zip 95401

License #/Type

Drilling Contractor Woodward Drilling Co. Phone (707) 374-4300

Street 550 River Rd. (P.O. Box 336) City Rio Vista State CA Zip 94571

C-57 License # ~~71009~~ 710079

Type of work: [ ] Initial investigation ____ # Wells [ ] Subsequent investigation ____ # Wells [X] Destruct 2 # Wells

Groundwater investigation due to: [X] Underground tank [ ] Surface impoundment [ ] Environmental assessment
[ ] Surface disposal practice—specify involved industry
[ ] Other

Perforated intervals Chemical constituents

Disposal method for soil cuttings Bin / to haul Disposal method for development water —

Drilling method HSA Method of drill equip. rinsate containment Drum / to haul

If destroying a well, abandonment method Overdrill 1-foot Pest Casing, Grout, Tremie cement slurry to surface

Submit plot plan of wells in relation to all sewer or septic lines.

Is well to be constructed within: 100 feet of a septic tank or leachfield? [ ] Yes [ ] No
50 feet of any sanitary sewer line? [ ] Yes [ ] No
25 feet of any private sanitary sewer line? [ ] Yes [ ] No

001345
WELL PER 310.00
TTLAMT 310.00
CHECKS 310.00
CHANGE 0.00
04/12/05 332138 R2 11:03

In addition, all monitoring wells must include ***identification system*** affixed to interior surface:

1) Well identification 2) Well type 3) Well depth 4) Well casing diameter 5) Perforated intervals

Well identification number and well type shall be ***affixed*** to the ***exterior surface*** security structure.

For Office Use Only

Address 2 4th St

Site ID# ~~24443~~ 2004 J+

Permit # 4652

I hereby agree to comply with all laws and regulations of the County of Sonoma and State of California pertaining to water well construction. I will telephone (707) 565-6565, 48 hours in advance, to notify the Environmental Health Specialist when completing or destroying a well. I will furnish the Director of Health Services and the owner a legible copy of the State Water Well Driller's Report within 15 days; and a copy of the Summary Report, including sample results, should be received by this Department within 90 days in order to obtain final approval on this well permit. I acknowledge that the application will become a permit ***only*** after site approval and payment of fee. I understand that this permit is not transferable and expires one year from date of issuance.

Signature of Well Driller—***no proxies*** Date 4/7/05

Insurance Carrier [illegible] Expiration Date 10/05

Once all wells/borings are installed, submit a Well Driller's Log and/or Summary Report to complete permit process.

Indicate on attached plot plan the exact location of well(s) with respect to the following items: property lines, water bodies or water courses drainage pattern, roads, existing wells, sewer main and laterals and private sewage disposal systems or other sources of contamination or pollution. INCLUDE DIMENSIONS. The validity of this permit depends upon the accuracy of the information provided by the applicant.

Conditions of permit:

FOR OFFICE USE ONLY – ENVIRONMENTAL HEALTH DIVISION

Permit approved by [illegible] Date 4/13/05

Constr. approved by _____ Observed? [ ] Yes [ ] No Well # _____ Date ___/___/___

RWQCB / LOP approval [illegible] Date 4/13/05

COUNTY OF SONOMA — DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
475 Aviation Blvd., Suite 220, Santa Rosa, CA 95403
Phone (707) 565-6565 Fax (707) 565-6525 www.sonoma-county.org

APPLICATION FOR DRILLING PERMIT
for Regional Board Lead/Environmental Assessment / LOP Lead

For Office Use Only
Amount paid 210.00
Receipt number [illegible]
Payment date [illegible] Rev. code BN3
Site ID# 4
Permit # 4702

Well type: [ ] Monitoring well [ ] Recovery extraction well [ ] Boring [ ] Injection well [X] Destruct [ ] Environmental assessment
[ ] Soil gas survey [ ] Direct push [ ] Air sparging/venting [ ] Remediation well [ ] Other

Well depth 47.4/32.5' Boring depth

On-site well/boring 0 ID # # Off-site well/boring 2 ID # GW-34, GW-36

Submit legal right-of-entry/off-site well address/encroachment permit

On-site Address 175 Railroad Street AP# 010-175-012

Facility Name Former Weed Clark Lumber Company

On-site Owner Kevin Dostrovl Phone

Street City State Zip

Responsible Party Kevin Dostrovl Phone

Street P.O. Box 529 City Santa Rosa State CA Zip 95402

Consultant Winzler & Kelly Consulting Engineers Phone 707-523-1010

Street 495 Tesconi Circle City Santa Rosa State CA Zip 95401

License #/Type

Drilling Contractor Cleanheart Drilling Phone 707-568-6095

Street 483 West College Ave. City Santa Rosa State CA Zip 95401

C-57 License # 740357

Type of work: [ ] Initial investigation # Wells [ ] Subsequent investigation # Wells [X] Destruct 2 # Wells

Groundwater investigation due to: [X] Underground tank [ ] Surface impoundment [ ] Environmental assessment
[ ] Surface disposal practice—specify involved industry
[ ] Other

Perforated intervals GW-34 36.5-46.5, GW-36 7.5-32.5 Chemical constituents

Disposal method for soil cuttings — Disposal method for development water —

Drilling method Hand Auger Method of drill equip. rinsate containment

If destroying a well, abandonment method Pressure Grout in place.

Submit plot plan of wells in relation to all sewer or septic lines.

Is well to be constructed within: 100 feet of a septic tank or leachfield? [ ] Yes [X] No
50 feet of any sanitary sewer line? [ ] Yes [X] No
25 feet of any private sanitary sewer line? [ ] Yes [X] No

In addition, all monitoring wells must include ***identification system*** affixed to interior surface:
1) Well identification 2) Well type 3) Well depth 4) Well casing diameter 5) Perforated intervals

Well identification number and well type shall be ***affixed*** to the ***exterior surface*** security structure.

001380
WELL PER 50.00
TTLAMT 310.00
CASH 210.00
CHANGE 0.00
[illegible] 12:00

RECEIVED
MAY 2 [illegible]
WINZLER & KELLY
SANTA ROSA

For Office Use Only

Address 173 Redwood St

Site ID# 4

Permit # 4702

I hereby agree to comply with all laws and regulations of the County of Sonoma and State of California pertaining to water well construction. I will telephone (707) 565-6565, 48 hours in advance, to notify the Environmental Health Specialist when completing or destroying a well. I will furnish the Director of Health Services and the owner a legible copy of the State Water Well Driller's Report within 15 days; and a copy of the Summary Report, including sample results, should be received by this Department within 90 days in order to obtain final approval on this well permit. I acknowledge that the application will become a permit ***only*** after site approval and payment of fee. I understand that this permit is not transferable and expires one year from date of issuance.

Linda Welch Date 5/25/05

Signature of Well Driller—***no proxies***

Insurance Carrier State Fund Expiration Date 1·1·06

Once all wells/borings are installed, submit a Well Driller's Log and/or Summary Report to complete permit process.

Indicate on attached plot plan the exact location of well(s) with respect to the following items: property lines, water bodies or water courses drainage pattern, roads, existing wells, sewer main and laterals and private sewage disposal systems or other sources of contamination or pollution. INCLUDE DIMENSIONS. The validity of this permit depends upon the accuracy of the information provided by the applicant.

Conditions of permit:

FOR OFFICE USE ONLY – ENVIRONMENTAL HEALTH DIVISION

Permit approved by [signature] Date 5/25/05

Constr. approved by _____ Observed? [ ] Yes [ ] No Well # _____ Date __/__/__

RWQCB / LOP approval Jon Flick 5/25/05 Date 5/25/05

ORIGINAL
File with DWR
Page 1 of 1
Owner's Well No. GW-24 / GW-27
Date Work Began _____, Ended _____
Local Permit Agency Sonoma County Department of Health Services
Permit No. 4652 Permit Date 4-12-05

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet
No. e025189

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) ___ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DRILLING METHOD _____ FLUID _____

DEPTH FROM SURFACE Ft. to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
	Destroy (2) 4" monitoring wells GW-24 GW-27 To 37 ft. (GW-24) & 32 ft. (GW-27) Overdrill the entire Casing & Sand Pack Cement grout as per Well Standards.

TOTAL DEPTH OF BORING _____ (Feet)
TOTAL DEPTH OF COMPLETED WELL _____ (Feet)

WELL OWNER
Name Jean Destruel
Mailing Address P.O. Box 529
Santa Rosa, CA 95402
CITY STATE ZIP

WELL LOCATION
Address 175 Railroad Street
City Santa Rosa
County Sonoma
APN Book 010 Page 160 Parcel 004
Township _____ Range _____ Section _____
Latitude ___ DEG. ___ MIN ___ SEC. NORTH Longitude ___ DEG. ___ MIN. ___ SEC. WEST

LOCATION SKETCH
NORTH
WEST EAST
See Map
SOUTH
Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. **PLEASE BE ACCURATE & COMPLETE.**

ACTIVITY (✓)
___ NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
X DESTROY (*Describe Procedures and Materials Under "GEOLOGIC LOG"*)

PLANNED USES (✓)
WATER SUPPLY
___ Domestic ___ Public
___ Irrigation ___ Industrial
MONITORING ___
TEST WELL ___
CATHODIC PROTECTION ___
HEAT EXCHANGE ___
DIRECT PUSH ___
INJECTION ___
VAPOR EXTRACTION ___
SPARGING ___
REMEDIATION ___
OTHER (SPECIFY) ___

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL _____ (Ft.) & DATE MEASURED _____
ESTIMATED YIELD * _____ (GPM) & TEST TYPE _____
TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)
* *May not be representative of a well's long-term yield.*

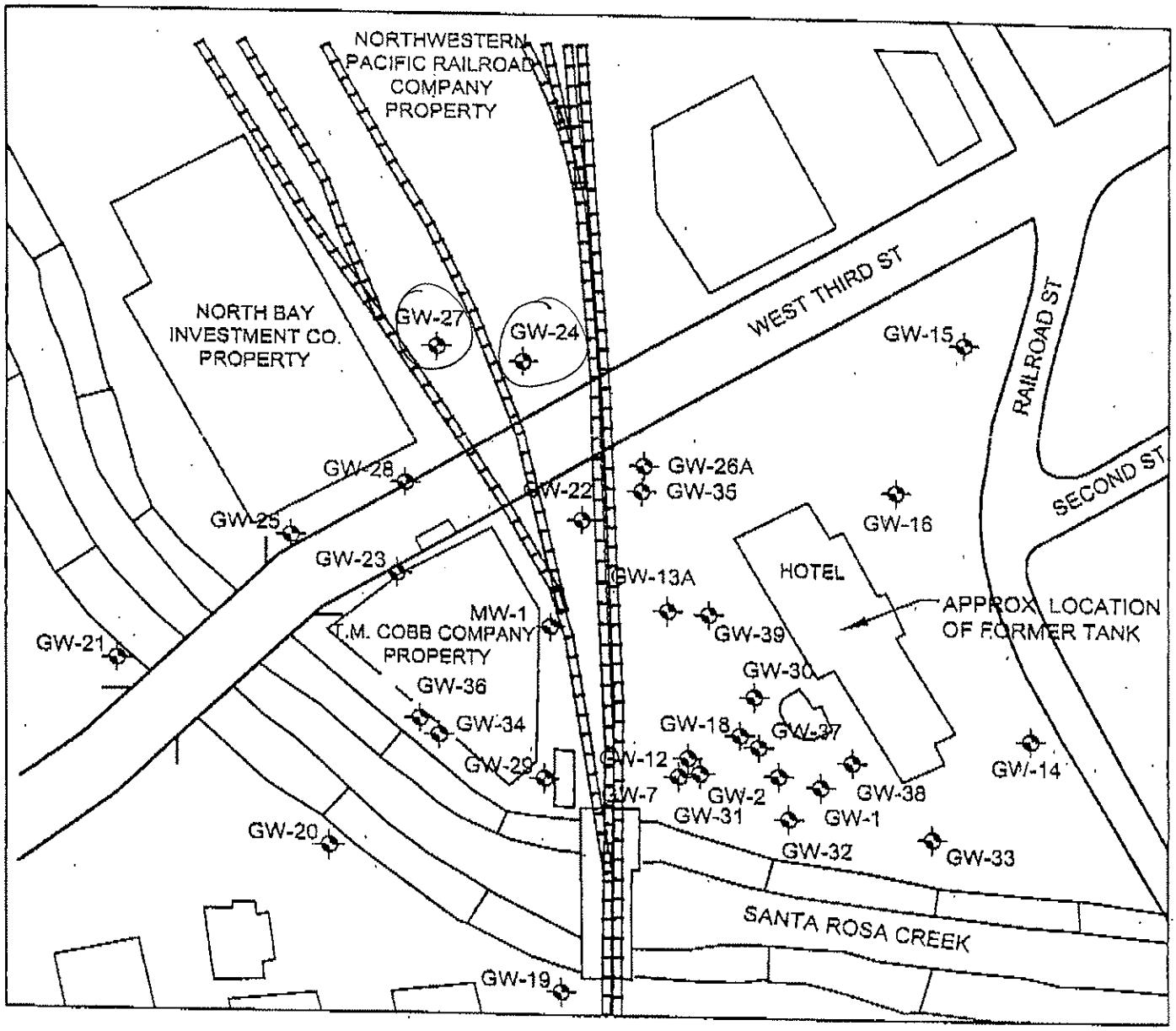
DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING (S) TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)

DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)

ATTACHMENTS (✓)
___ Geologic Log
___ Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
X Other Location Map
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME Woodward Drilling Company
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 550 River Road, Rio Vista, CA 94571
CITY STATE ZIP
Signed Lorin E. Woodward 5/17/05 710079
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

DWR 188 REV. 11-97 IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM



LEGEND:

GW-1 ⊕ MONITORING WELL LOCATION

N

SCALE: 1"=150'

VICINITY MAP
FORMER MEAD CLARK LUMBER COMPANY
THIRD & RAILROAD STREETS
SANTA ROSA, CA

FIGURE 2

WINZLER & KELLY

J:\00\2425\01\CAD\42501Z02.DWG 8-1-01 3:51:04 PM

ORIGINAL
File with DWR

Page 1 of 1

Owner's Well No. _____

Date Work Began 6-1-2005, Ended 6-1-2005

Local Permit Agency _____

Permit No. 4702 Permit Date 5-25-05

STATE OF CALIFORNIA

WELL COMPLETION REPORT

Refer to Instruction Pamphlet

No. e025712

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) ___ VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)

DRILLING METHOD _____ FLUID _____

DEPTH FROM SURFACE Ft. to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
	Destroyed wells-
	GW-34 (47Ft. deep)
	& GW-36 (32.5 ft. deep)
	Inplace -
	Tremied grout and
	applied pressure (air) to
	30 psi. to each well
	Casing - Topped off with
	grout As per well
	Standards.

TOTAL DEPTH OF BORING _____ (Feet)

TOTAL DEPTH OF COMPLETED WELL _____ (Feet)

WELL OWNER

Name Kevin Destreul - Former Mend Clark Co.

Mailing Address P.O. Box 529

Santa Rosa CA 95401

CITY STATE ZIP

WELL LOCATION

Address 175 Railroad Street

City Santa Rosa

County Sonoma

APN Book 010 Page 175 Parcel 012

Township _____ Range _____ Section _____

Latitude ___ DEG. ___ MIN. ___ SEC. NORTH Longitude ___ DEG. ___ MIN. ___ SEC. WEST

LOCATION SKETCH

NORTH

See Attached Map

WEST EAST

SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. ***PLEASE BE ACCURATE & COMPLETE.***

ACTIVITY (✓)

___ NEW WELL

MODIFICATION/REPAIR

___ Deepen

___ Other (Specify)

X DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USES (✓)

WATER SUPPLY

___ Domestic ___ Public

___ Irrigation ___ Industrial

MONITORING ___

TEST WELL ___

CATHODIC PROTECTION ___

HEAT EXCHANGE ___

DIRECT PUSH ___

INJECTION ___

VAPOR EXTRACTION ___

SPARGING ___

REMEDIATION ___

OTHER (SPECIFY) ___

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL _____ (Ft.) & DATE MEASURED _____

ESTIMATED YIELD * _____ (GPM) & TEST TYPE _____

TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)

* *May not be representative of a well's long-term yield.*

CASING (S)

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft. to Ft.	TYPE: CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)

ATTACHMENTS (✓)

___ Geologic Log

___ Well Construction Diagram

___ Geophysical Log(s)

___ Soil/Water Chemical Analyses

___ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

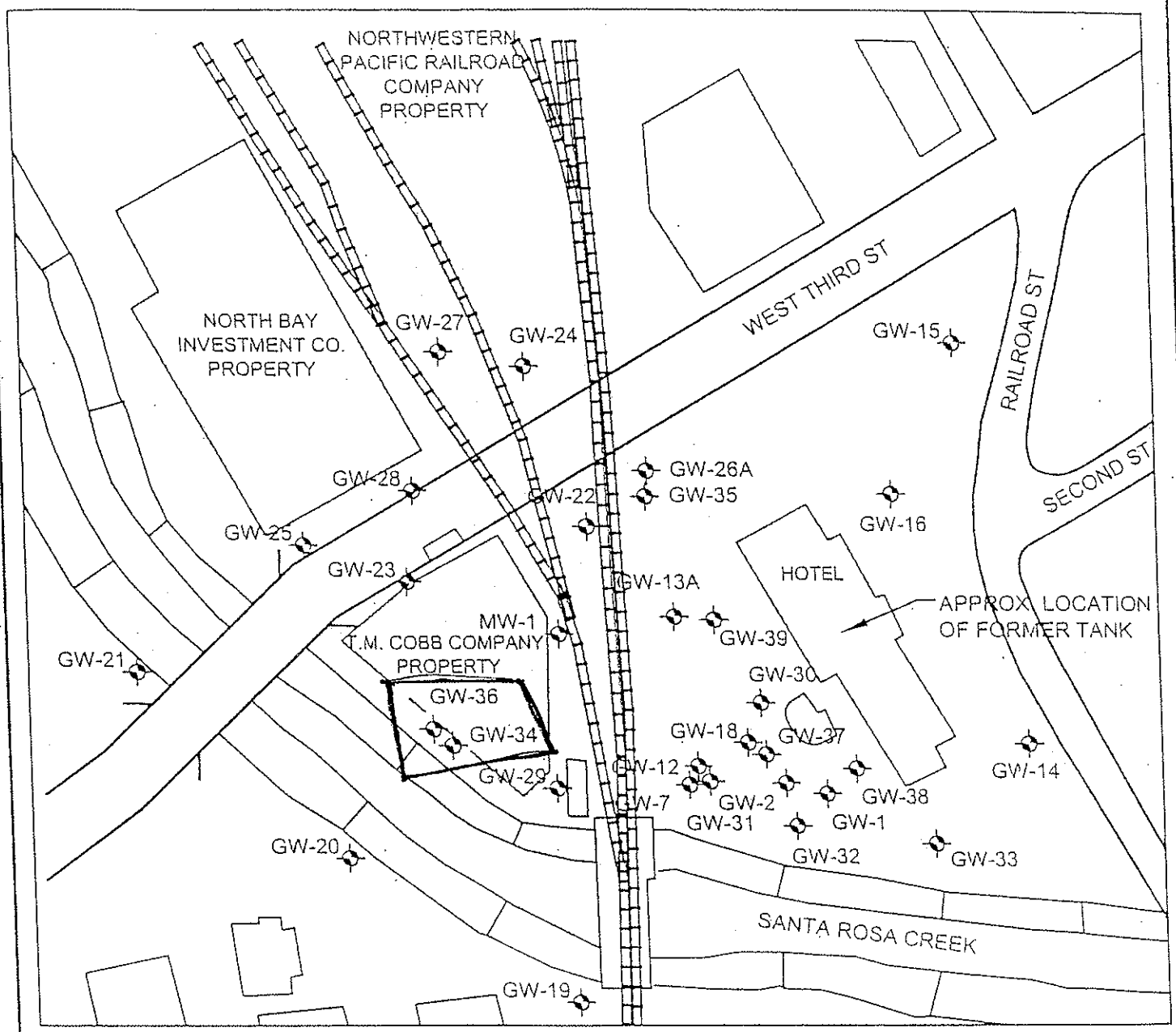
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Clearheart Drilling Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

483 West College Ave, Santa Rosa, CA 95401
ADDRESS CITY STATE ZIP

Signed [signature] 6/2/04 780357
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM



LEGEND:

GW-1 MONITORING WELL LOCATION

N

SCALE: 1"=150'

J:\00\242501\CAD\42501Z02.DWG 8-1-01 3:51:04 PM

VICINITY MAP
FORMER MEAD CLARK LUMBER COMPANY
THIRD & RAILROAD STREETS
SANTA ROSA, CA

FIGURE 2

Appendix C
Waste Manifest

A 540802

West Contra Costa Sanitary Landfill, Inc.

Office (510) 231-4156 Landfill (510) 233-4330
Foot of Parr Boulevard, Richmond, CA 94801

TICKET: 778237
DATE: 05/19/2005
TIME: 15:25 - 16:00

CUSTOMER:
TRAILER: 9997 / Credit Customer
ROUTE:
ORIGIN GROUP: NA / Non App
TRUCK: 54 / Santa Ro
LICENSE:
TRUCK TYPE: F1
CP31277
COMMENT: NA / Non App
GRID: NA / Non App

GROSS:
TARE: 44500 LBS
NET: 27500 LBS
WO: 16920 LBS

WINZLER & KELLY

WASTE	QUANTITY	UNIT	HAUL COST RATE	AMOUNT
CD / Construction Demo - Tons	8.46	T	$ 34.75	$ 293.99
Mandatory Fees	8.46	T	$ 2.75	
			Total:	$ 317.26

CASH IN: $ 317.26 CHANGE: $ 0.00

Driver: Steve Sweeden
Attendant: Maria Hvalos
CARD#: 8939

I certify that I have not disposed of any liquid or hazardous waste.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighted, 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.

Appendix D
Analytical Laboratory Report

Analytical Sciences

Report Date: May 9, 2005

Pon Xayasaeng
Winzler & Kelly Consulting Engineers
495 Tesconi Circle, Suite 9
Santa Rosa, CA 95401-4696

LABORATORY REPORT

Project Name: **Mead Clark Lumber** **0242505001.32002**

Lab Project Number: **5042912**

This 9 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.
Laboratory Director

PO Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952
Fax: (707) 769-8093

TPH Gasoline in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29513	GW-24	TPH/Gasoline	ND	50

Date Sampled: 04/28/05 Date Analyzed: 05/02/05 QC Batch #: 5502
Date Received: 04/29/05 Method: EPA 5030/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29514	GW-27	TPH/Gasoline	ND	50

Date Sampled: 04/28/05 Date Analyzed: 05/02/05 QC Batch #: 5502
Date Received: 04/29/05 Method: EPA 5030/8015M

TPH Diesel & Motor Oil in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29513	GW-24	TPH/Diesel	ND	50
		Motor Oil	ND	200

Date Sampled: 04/28/05 Date Extracted: 05/04/05 QC Batch #: 5508
Date Received: 04/29/05 Date Analyzed: 05/04/05 Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29514	GW-27	TPH/Diesel	ND	50
		Motor Oil	ND	200

Date Sampled: 04/28/05 Date Extracted: 05/04/05 QC Batch #: 5508
Date Received: 04/29/05 Date Analyzed: 05/04/05 Method: EPA 3510/8015M

Volatile Hydrocarbons by GC/MS in Water

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29513	**GW-24**	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	2.9	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29513	**GW-24**	**isopropyl benzene**	**ND**	1.0
		1,2,3-trichloropropane	**ND**	1.0
		bromobenzene	**ND**	1.0
		n-propyl benzene	**ND**	1.0
		2-chlorotoluene	**ND**	1.0
		4-chlorotoluene	**ND**	1.0
		1,3,5-trimethylbenzene	**ND**	1.0
		tert-butylbenzene	**ND**	1.0
		1,2,4-trimethylbenzene	**ND**	1.0
		sec-butylbenzene	**ND**	1.0
		1,3-dichlorobenzene	**ND**	1.0
		1,4-dichlorobenzene	**ND**	1.0
		1,2-dichlorobenzene	**ND**	1.0
		p-isopropyltoluene	**ND**	1.0
		n-butylbenzene	**ND**	1.0
		1,2,4-trichlorobenzene	**ND**	1.0
		naphthalene	**ND**	1.0
		hexachlorobutadiene	**ND**	1.0
		1,2,3-trichlorobenzene	**ND**	1.0
		Oxygenated Gasoline Additives		
		tert-butyl alcohol (TBA)	**ND**	25
		methyl tert-butyl ether (MTBE)	**ND**	1.0
		di-isopropyl ether (DIPE)	**ND**	1.0
		ethyl tert-butyl ether (ETBE)	**ND**	1.0
		tert-amyl methyl ether (TAME)	**ND**	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.1	101	70 – 130
toluene-d_8 (20)	20.3	102	70 – 130
4-bromofluorobenzene (20)	19.5	97.5	70 – 130

Date Sampled: 04/28/05	Date Analyzed: 04/29/05	QC Batch #: 5464
Date Received: 04/29/05	Method: EPA 8260B	

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29514	**GW-27**	**dichlorodifluoromethane**	**ND**	1.0
		chloromethane	**ND**	1.0
		vinyl chloride	**ND**	1.0
		chloroethane	**ND**	1.0
		bromomethane	**ND**	1.0
		trichlorofluoromethane	**ND**	1.0
		1,1-dichloroethene (1,1-DCE)	**ND**	1.0
		methylene chloride	**ND**	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	**ND**	1.0
		1,1-dichloroethane (1,1-DCA)	**ND**	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	**ND**	1.0
		2,2-dichloropropane	**ND**	1.0
		chloroform (THM1)	**ND**	1.0
		bromochloromethane	**ND**	1.0
		1,1,1-trichloroethane (TCA)	**ND**	1.0
		1,2-dichloroethane (EDC)	**ND**	1.0
		1,1-dichloropropene	**ND**	1.0
		carbon tetrachloride	**ND**	1.0
		benzene	**ND**	1.0
		trichloroethene (TCE)	**ND**	1.0
		1,2-dichloropropane (DCP)	**ND**	1.0
		dibromomethane	**ND**	1.0
		bromodichloromethane (THM2)	**ND**	1.0
		cis-1,3-dichloropropene	**ND**	1.0
		toluene	**ND**	1.0
		1,1,2-trichloroethane	**ND**	1.0
		1,3-dichloropropane	**ND**	1.0
		dibromochloromethane (THM3)	**ND**	1.0
		tetrachloroethene (PCE)	**ND**	1.0
		1,2-dibromoethane (EDB)	**ND**	1.0
		chlorobenzene	**ND**	1.0
		1,1,1,2-tetrachloroethane	**ND**	1.0
		ethyl benzene	**ND**	1.0
		m,p-xylene	**ND**	1.0
		styrene	**ND**	1.0
		o-xylene	**ND**	1.0
		bromoform (THM4)	**ND**	1.0
		1,1,2,2-tetrachloroethane	**ND**	1.0

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29514	**GW-27**	**isopropyl benzene**	**ND**	1.0
		1,2,3-trichloropropane	**ND**	1.0
		bromobenzene	**ND**	1.0
		n-propyl benzene	**ND**	1.0
		2-chlorotoluene	**ND**	1.0
		4-chlorotoluene	**ND**	1.0
		1,3,5-trimethylbenzene	**ND**	1.0
		tert-butylbenzene	**ND**	1.0
		1,2,4-trimethylbenzene	**ND**	1.0
		sec-butylbenzene	**ND**	1.0
		1,3-dichlorobenzene	**ND**	1.0
		1,4-dichlorobenzene	**ND**	1.0
		1,2-dichlorobenzene	**ND**	1.0
		p-isopropyltoluene	**ND**	1.0
		n-butylbenzene	**ND**	1.0
		1,2,4-trichlorobenzene	**ND**	1.0
		naphthalene	**ND**	1.0
		hexachlorobutadiene	**ND**	1.0
		1,2,3-trichlorobenzene	**ND**	1.0
		Oxygenated Gasoline Additives		
		tert-butyl alcohol (TBA)	**ND**	25
		methyl tert-butyl ether (MTBE)	**ND**	1.0
		di-isopropyl ether (DIPE)	**ND**	1.0
		ethyl tert-butyl ether (ETBE)	**ND**	1.0
		tert-amyl methyl ether (TAME)	**ND**	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.2	101	70 – 130
toluene-d_8 (20)	20.3	102	70 – 130
4-bromofluorobenzene (20)	19.6	98.0	70 – 130

Date Sampled: 04/28/05	Date Analyzed: 04/29/05	QC Batch #: 5464
Date Received: 04/29/05	Method: EPA 8260B	

LABORATORY
QUALITY ASSURANCE REPORT

QC Batch #: 5502 **Lab Project #:** 5042912

Sample ID	Compound	Result (ug/L)
MB	TPH/Gas	ND
MB	MTBE	ND
MB	Benzene	ND
MB	Toluene	ND
MB	Ethyl Benzene	ND
MB	Xylenes	ND

Sample #	Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
29470	CMS	TPH/Gas		NS	
	CMS	Benzene	9.15	10.0	91.5
	CMS	Toluene	10.2	10.0	102
	CMS	Ethyl Benzene	10.4	10.0	104
	CMS	Xylenes	32.5	30.0	108

Sample #	Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
29470	CMSD	TPH/Gas		NS		
	CMSD	Benzene	9.22	10.0	92.2	0.77
	CMSD	Toluene	9.22	10.0	92.2	10.1
	CMSD	Ethyl Benzene	9.71	10.0	97.1	7.0
	CMSD	Xylenes	27.6	30.0	91.9	16

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery

QC Batch #: 5508 **Lab Project #:** 5042912

Sample ID	Compound	Result (ug/L)
MB	TPH/Diesel	ND

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
LCS	TPH/Diesel	2,200	2,730	80.8

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
LCSD	TPH/Diesel	2,130	2,730	78.0	3.2

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery

---

QC Batch #: 5464 **Lab Project #:** 5042912

Sample ID	Compound Name	Result (ug/L)
MB	1,1-dichloroethene	ND
MB	benzene	ND
MB	trichloroethene	ND
MB	toluene	ND
MB	chlorobenzene	ND

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.2	101	70 – 130
toluene-d_8 (20)	20.1	101	70 – 130
4-bromofluorobenzene (20)	20.1	101	70 – 130

Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.
29214	CMS	1,1-dichloroethene	18.1	25.0	72.4
	CMS	benzene	22.1	25.0	88.4
	CMS	trichloroethene	19.6	25.0	78.4
	CMS	toluene	21.9	25.0	87.6
	CMS	chlorobenzene	21.8	25.0	87.2

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.2	106	70 – 130
toluene-d_8 (20)	20.5	103	70 – 130
4-bromofluorobenzene (20)	19.2	96.0	70 – 130

Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.	RPD
29214	CMSD	1,1-dichloroethene	18.3	25.0	73.2	1.1
	CMSD	benzene	22.1	25.0	88.4	0.0
	CMSD	trichloroethene	19.5	25.0	78.0	0.51
	CMSD	toluene	22.5	25.0	90.0	2.7
	CMSD	chlorobenzene	22.2	25.0	88.8	1.8

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.3	107	70 – 130
toluene-d_8 (20)	20.3	102	70 – 130
4-bromofluorobenzene (20)	20.2	101	70 – 130

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery

PO Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

Analytical Sciences

Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128
Fax (707) 769-8093

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 5042912
WINZLER & KELLY PROJECT NAME: Mead Clark lumber
WINZLER & KELLY PROJECT NUMBER: 0242505001.3200

CLIENT INFORMATION

COMPANY NAME: WINZLER & KELLY CONSULTING ENGINEERS
ADDRESS: 495 TESCONI CIRCLE, SUITE 9
SANTA ROSA, CA 95401-4696
CONTACT: Ron - Questions; Sonya - Results
PHONE#: (707) 523-1010
FAX #: (707) 527-8679

TURNAROUND TIME (check one)

MOBILE LAB ____ SAME DAY ____ 24 HOURS ____
48 HOURS ____ 72 HOURS ____
5 DAYS ____ NORMAL X

GEOTRACKER EDF: ___ Y X N
GLOBAL ID: ____

COOLER TEMPERATURE
Blue Ice °C

COC
PAGE 1 OF 1

ANALYSIS

ITEM	CLIENT SAMPLE I.D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	TPH/GAS/BTEX & MTBE EPA 8015M/8260	TPH DIESEL / MOTOR OIL EPA 8015M	VOLATILE HYDROCARBONS EPA 8260B (FULL LIST)	BTEX & OXYGENATES + PB SCAVENGERS EPA 8260B	OXYGENATED FUEL ADDITIVES EPA 8260M	CHLORINATED SOLVENTS EPA 8010 / EPA 8260B	SEMI-VOLATILE HYDROCARBONS EPA 8270	TRPH / TOG SM 5520F / EPA 418.1M	PESTICIDES / PCB'S EPA 8081 / 8141/ 8082	CAM 17 METALS / 5 LUFT METALS	TOTAL LEAD			COMMENTS	LAB SAMPLE #
1	GW-24	4/28/05	12:51	W	5	Y/N	X	X	X												29513
2	GW-27	4/28/05	13:27	W	5	Y/N	X	X	X												29514
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					

SIGNATURES

SAMPLED BY: Ron Xayasaeng

RELINQUISHED BY: R. Xayasaeng
SIGNATURE
4/28/05 14:54
DATE TIME
4/29/05 11:05

RECEIVED BY LABORATORY: K Riccio
SIGNATURE
4/29/05 11:05
DATE TIME

110 Liberty Street
Petaluma, CA 94952
Fax: (707) 769-8093

Appendix E
GeoTracker Upload Verification

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**Well Measurement File, Former Mead Clark Lumber, April 28, 2005**
Submittal Date/Time:	**8/19/2005 10:55:59 AM**
Confirmation Number:	**6768279850**

Back to Main Menu

Logged in as WINZLER (AUTH_RP) CONTACT SITE ADMINISTRATOR.