

Environmental & Water Resources Engineering Groundwater Consultants

February 7, 2001

Larry Seto Alameda County Environmental Health 1131 Harbor Bay Pkwy Alameda, CA 94502

RE: Pacific Cryogenic Company
2311 Magnolia Street, Oakland, CA
RWQCB LUST Case File No. 01-0833

Dear Mr. Seto:

Please find enclosed a copy of the report titled "Certification of Well Destruction, Former Pacific Cryogenic Company, 2311 Magnolia Street, Oakland, California" by Hydro Analysis, Inc., dated February 6, 2001.

If you have any questions, please contact me at (925)620-0891.

Sincerely,

Gary Aguiar

Principal Engineer



Environmental & Water Resources Engineering Groundwater Consultants

February 6, 2001

CERTIFICATION OF WELL DESTRUCTION

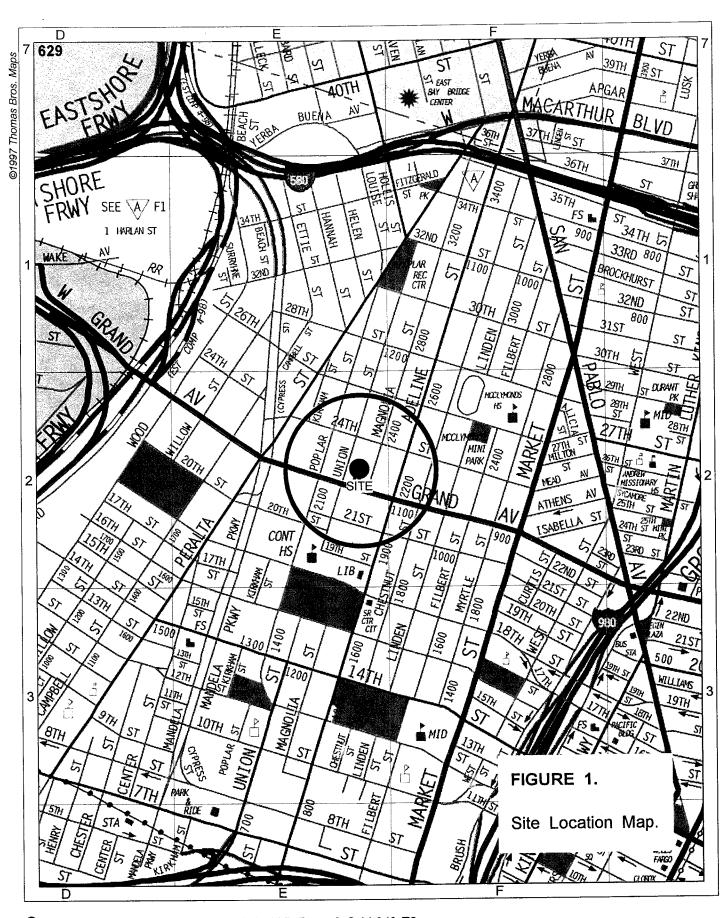
FORMER PACIFIC CRYOGENIC COMPANY

2311 Magnolia Street Oakland, California

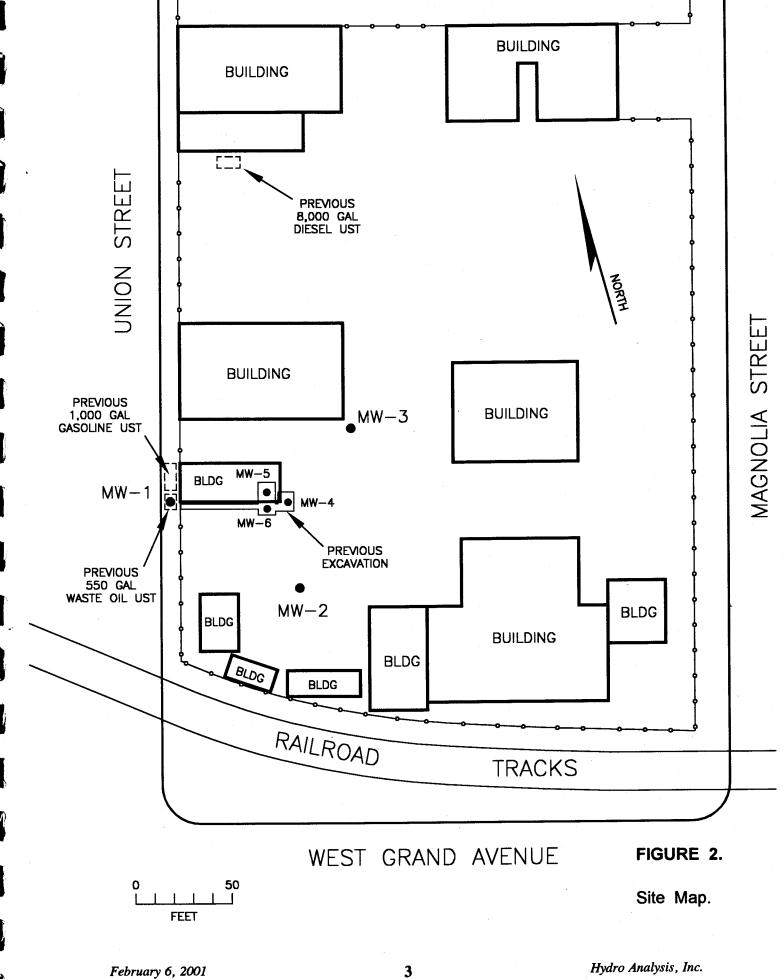
Introduction

The site location is the property located at 2311 Magnolia Street in Oakland, California. The location of the site is shown in Figure 1. The current layout of the site is shown in Figure 2.

On June 30, 1989, and July 12, 1989, Geo-environmental Technology removed three underground storage tanks from the property: one 8,000-gal Diesel tank, one 1,000-gal Gasoline tank, and one 550-gal Waste Oil tank. The locations of the tanks are shown in



SITE: 2311 Magnolia St, Oakland, 94607, Page & Grid 649 E2



February 6, 2001

Figure 2. Groundwater monitoring well MW-1 was subsequently installed at the location of the gasoline and waste oil tanks. Two additional wells (MW-2 and MW-3) were installed between November 1990 and March 1992. On November 12, 1992, the underground piping running between the previous Gasoline and Waste Oil underground storage tanks and the previous dispenser pedestal were removed. Due to the existence of significant soil contamination, additional soil excavation was conducted on November 18, 1992. The excavation extended to a depth of approximately 15 feet below grade surface. During the backfilling of the excavation, three additional monitoring well casings were installed into the excavation. The location of the excavation and all six wells are shown in figure 2. Periodic sampling of the onsite wells continued until November 1996.

Case Closure

In response to "Health-Based Risk Assessment And Recommendation For UST Case Closure - Pacific Cryogenic Company" by Hageman-Aguiar, Inc., dated June 3, 1998, the Leaking Underground Fuel Tank (LUFT) case at this site has been classified as "No Further Action" in accordance with California Regional Water Quality Control (RWQCB) guidelines. Correspondence pertaining to the site closure and the Alameda County Health Care Services request for monitoring well destruction is provided in Attachment A. The letter from Alameda County Health Care Services also indicates that upon submittal of this well destruction report, the LUFT case will be assigned a "Closed" status.

Permitting

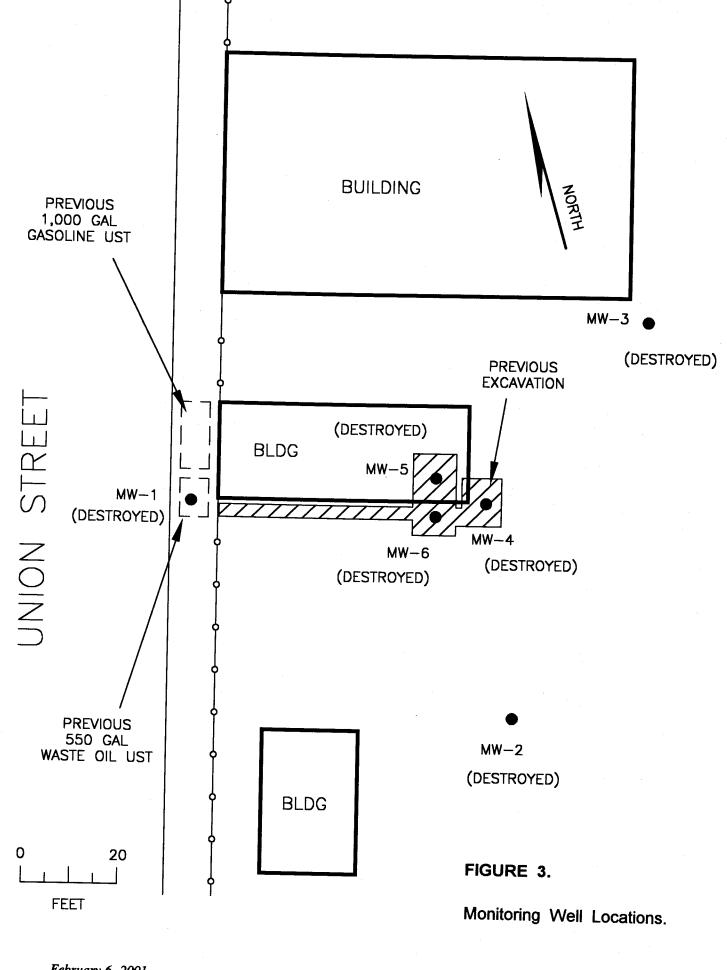
Prior to conducting the well destruction activities at the site, Well Destruction Permits were obtained from the County Of Alameda Public Works Agency. Copies of the permits are provided in Attachment B.

Monitoring Well Destruction

On January 22, 2001, shallow groundwater monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6 were destroyed. The locations of the destroyed monitoring wells are shown in Figure 3.

The work was conducted by Gregg Drilling of Martinez, California, under the supervision of Randal Wilson of Hydro Analysis, Inc. Each well was destroyed by tremmie filling the well with "neat" Portland cement and then pressure-grouting the well with approximately 25 psi for 5 minutes. Prior to the well destruction, the total depth of each well below ground surface (bgs) was recorded:

WELL	TOTAL DEPTH (feet bgs)
MW-1	19.1
MW-2	23.0
MW-3	23.7
MW-4	13.7
MW-5	14.0
MW-6	14.0

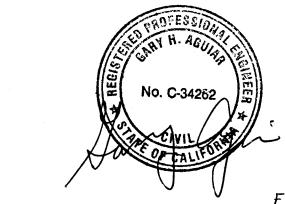


Upon completion of the pressure-grouting, the well box at each location was removed and then filled to finish grade with Portland cement concrete.

Copies of the completed DWR Forms 188 are provided in Attachment C.

CERTIFICATION OF WELL DESTRUCTION FORMER PACIFIC CRYOGENIC COMPANY 2311 Magnolia Street, Oakland, CA.

February 6, 2001



Gary Aguiar

EXP, 9-30-03

RCE 34262

ATTACHMENT A

Correspondence

ALAMEDA COUNTY

HEALTH CARE SERVICES







ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

December 5, 2000

Estate of Jean Josephian c/o Mr. Aldo Guidotti, Attorney at Law One Bates Boulevard, Suite 300 Orinda, CA 94563 STID 1211

RE: Pacific Cryogenic, 2311 Magnolia Street, Oakland, CA 94607

Dear Mr. Guidotti:

This office and the San Francisco Regional Water Quality Control Board have reviewed the case closure summary for the above referenced site. We concur that no further action related to the underground tank release is required at this time. Before a remedial action completion letter is sent, the on-site monitoring well(s) should be decommissioned, if they will no longer be used for monitoring. Please notify this office upon completion of well destruction so a closure letter can be issued.

Well destruction permits may be obtained from Alameda County Public Works. They can be reached at (510) 670-5575 or 670-5248.

If you have any questions, please contact me at (510) 567-6774.

Sincere:

Sr. Hazardous Materials Specialist

Cc: Paul Discoe, O2 Artisans Aggregate, 2500 Kirkham Street, Oakland, CA 94607 Files

ATTACHMENT B

Permits



WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (\$10) 676-5554 MARLON MAGALLANES/FRANK CODD (\$10) 676-5783
FAX (\$18)782-1939

FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION DE PROIECT Pacific Cryogenics	PERMIT NUMBER WOL-OCK
2311 Magnojia Street	WELL NUMBER
Uakland, CA 94507	APN
	APRILL CANATONALS
	PERMIT CONDITIONS Clicked Permit Requirement Apply
CLIENT	Carlot Conne codenial repris
Name Aldo Guidotti / Estate of Jean Josephine	(A. CENERAL
Address Bates Blvd #300 Phone (925)254-3450 City Orlinda Zip 94536	1. A permit application should be submitted so as to
	proposed suring date.
APPLICANT Name: Hydro Analysis, Inc. 11100 San Pablo Ave Fp. (510)620-0894 Addres: Suite 200-A Phone (510)620-0891	2. Sabril to ACPWA within 60 days after completion of
Name Hydro Analysis, Inc.	permitted original Department of Water Resources
11100 San Pablo AVE FBA (510)620-0694	Well Complation Report.
Addres: Suite 200-A Phone (510)620-0891 City El Cerrito, CA zip 94530	(1) Permit is void if project not begut within 90 days of the approval date
210 34300	B. WATER SUPPLY WELLS
	1. Minimum surface scal thickness is two inches of
TYPE OF PROJECT We'l Construction Octotechnical Investigation	erment grout pisced by ormic.
We'l Construction Ocotochnical Investigation Cathodic Protection D General D	 Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and im(gallon)
Walty Supply D Contamination D	wells unless a leaser depth is specially approved.
Monitoring D Well Description XXX	C. GROUNDWATER MONITORING WELLS
monitoring well destruction by pressure-grouting	Including Piezometers
PROPOSED WATER SUPPLY WELL USE	1. Minimum surface seal thickness is two inches of
New Domestic D Replacement Domestic D Municipal D Infestion D	coment grout placed by tramic.
Municipal D Irrigation D	 Minimum seel depth for monitoring wells is the maximum depth practicable or 20 feet.
V 11147	D. GEOTECHNICAL
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Mud Rosary C Air Rosary C Auger C	grouvend mixime. Upper two-three feet replaced in kind
Cubi C Cuner 1	or with compacted curings.
DRILLER'S NAME Gregg Drilling	E. CATHODIC Fill hole enode zone with concrete pieced by treme
221204 220	(P.) WELL DESTRUCTION
DRULLER'S L'CENSENO. LOY - 480100	See attached requirements for destruction of shallow
	wells. Send a map of work site. A different permit application is required for wells deeper than 45 feet.
	G) SPECIAL CONDITIONS
WELL INDIECTS	γ
Drill Hate Diemeier In. Meximum Costing Diameter In. Depth 2. 43.1	NOTE: One application must be submitted for each well or well
Casing Diamoter In. Depth 12 Wall Number MW	destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.
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ESTIMATED COMPLETION DATE 01/22/01	APPROVED DATE
I hereby agree to comply with all requirements of this secrets and Alameda County Ord	Unance No. 71-68
APPLICANT'S SIGNATURE DATE DATE	17/01
PLEASE PRINT NAME GATY Aguiar Rev.	6-5-90



WATER RESOURCES SECTION
399 FLMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 676-5554 MARLON MAGALLANES/FRANK CODD (510) 676-5783
FAX (510)782-1939

FOR APPLICANT TO COMPLETE	FOR OFFICE USE
<u>:</u>	PERMIT NUMBER WOI-069
LOCATION OF PROJECT Pacific Cryogenics 2311 Magnolia Street	PERMIT NUMBER
Oakland, CA 94607	
OBA181101 CA 34007	APN
	PERMIT CONDITIONS
	Circled Fermit Requirements Apply
Name Aldo Guidotti / Estate of Jean Josephine	σ
Name Midd Guidocti / Estate or Jean Josephine	(A.) GEYERAL
Addres Bates Blvd #300 Phone 925 254-3450 City Orlinga Zip 94536	(1.) A permit application should be submitted so as to
City Orinda Zip 94536	arrive at the ACPWA office five days prior to
APPLICANT	proposed standing date. (2) Submit to ACPWA within 60 days after completion of
APPLICANT Name Hydro Analysis, Inc. 11100 San Pablo Ave - (510)620-0844	permitted original Department of Water Resources-
	Well Completion Report.
Address Suite 200-A Phone (510) 620-0891	1. Jermit is void if project not begun within 90 days of
City El Cerrito, CA zip 94530	Approval date
	B. WATER SUPPLY WELLS
TYPE OF PROJECT	1. Minimum surface seal thickness is two inches of
Well Construction Geolechnical Investigation	coment grout placed by warnie, 1. Minimum seal depth is 50 feet for municipal and
Cathedia Frotestian D General D	industrial wells or 20 feet for domestic and irrigation
Water, Supply G Contamination D	wells unless a lesser depth to specially approved.
Monitoring Q Well Destruction XXX	C. GROUNDWATER MONITORING WELLS
monitoring well destruction by prassure-grouting	INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE	1. Minimum surface seel thickness is two inches of
New Domestic G Replacement Domestic D	sement growt placed by wemis.
Municipal D Irrigation D	2.Minimum seal depth for monitoring wells is the
Industrial D Other	maximum depth practicable or 20 feet.
DRILLING METHOD:	D. GEOTECHNICAL
	Backfill bore hole by pemie with gement grout or remeat
Musical Control Contro	groups and mixture. Upper two-three feet toplaced in kind
	or with compacted cuttings. E. CATHODIC
DRILLER'S NAME Gregg Drilling	Fill hole anode zone with concrete placed by tremie.
DAIL PRIS LICENSE NO. C57 - 485165	(1.) WELL DESTRUCTION
DAILLER'S LICENSE NO. CO/ - 485105	See attaiched requirements for destruction of shallow
	wells. Sond a map of work site. A different permit
{ }	Special Conditions
WELL PROJECTS	C. Frecial Conditions
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GEOTECHNICAL PROJECTS	1) measure the veil
Number of Borings Maximum	- / from the vert
Number of Borings Maximum Hole Diameter in. Depth ft.	
	1 1/2
ESTIMATED STARTING DATE 01/22/01 ESTIMATED COMPLETION DATE 01/22/01	197
ESTIMATED COMPLETION DATE VI/44/VI	APPROVED DATE 1-19-0
I hereby agree to comply with all regurements of this sermit and Alamada County Ordi	
	inance No. 73-58.
APPLICANT'S SIGNATURE COM COM DATE	19/01 ()
PLEASE PRINT NAME GATY AGUS AT	



WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (\$10) 670-5554 MARLON MAGALLANES/FRANK CODD (\$10) 670-5783
FAX (\$10)182-1939

FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT Pacific Cryogenics	PERMIT NUMBER WOL-070
2311 Magnosla Street	WELL NUMBER
Vakland, CA 94507	APN
	PERMIT CONDITIONS
CLIENT	Circled Permit Requirements Apply
Name Aldo Guidotti / Estate of Jean Josephine	A. GENERAL
Address Bates Blvd #300 Phone (925)254-3450	(1) A permit application should be submitted so as to
Address Bates Blvd #300 Phone (925)254-3450 City Orlinda Zip 94536	strive at the ACPWA office five days prior to
	proposed starting dasa
APPLICANT, Name: Hydro Analysis, Inc. 11100 San Pablo Ave 5(510)620=0894	2) Submit to ACPWA within 60 days after completion of
11100 San Pablo Ave Fex (510) 620-0894	permitted original Department of Water Resources-
	Well Completion Report. (3) Permit is void if project not begun within 90 days of
Address Suite 200-A Phone (5:0)620-0891 City El Cerrito, CA Zip 94530	opproval date
	B. WATER SUPPLY WELLS
TYPE OF PROJECT	l. Minimum surface scal thickness is two inches of
Well Construction Georgeomical Investigation	ecment grout placed by tramis,
Cathodic Protection D General D	 Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation
Water Supply G Contamination D	wells unless a lesser depth is specially approved.
Monitoring D Well Destruction XXX	C. CROUNDWATER MONITORING WELLS
monitoring well destruction by pressure-grouting	INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE	1. Minimum surface seal thickness is two inches ci
New Domestic @ Replacement Domestic @	coment grout placed by tremit,
Municipal D Irrigation D	2.Minimum seel depth for monitoring wells is the
Industrial O Other	meximum depth practicable or 20 feet.
DRILLING METHOD:	D. GEOTECHNICAL
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Med Rollary D. Auger D. Cubic D. Other D.	groutesed mixture. Upper two-three feet replaced in kind or with compacted cuttings.
	E. CATHODIC
DAILLER'S NAME Gregg Drilling	Fill hole anode zone with concrete placed by tremie.
DRILLER'S LICENSE NO C57 - 485165	(F.) WELL DESTRUCTION
DIGITIER'S CICENSE NO. 400 140	See attached requirements for destruction of shellow
	wells. Send a map of work sits. A different permit
\circ	application is required for wells deeper than 45 feet. G SPECIAL CONDITIONS
WELL PROJECTS	O STEELING CONSTITUTION
Drill Hole Diameter In. Maximum	NOTE: One application must be submitted for each well or well
Caring Diarneter In. Depth R. Surface Seal Dapth R. Owner's Wall Number	destruction. Multiple borings on one application are acceptable
Satisfa acti Dabryir	for geotechnical and contamination investigations.
CECTECHNICAL PROJECTS	Measure the Well,
Number of Borings Maximum Hole Diameter In. Depth R.	
Hole Diameter in. Depth n.	م
01/22/01	1 1 100
ESTIMATED STARTING DATE 01/22/01 ESTIMATED COMPLETION DATE 01/22/01	N/M/ I-PPU
	APPROVED DATE DATE
I hereby sares to comply with all requirements of this permit and Alameda County Ordi	1711160 No. 73-68.
KA AA (i.)	
APPLICANT'S SIGNATURE DATE	17/01
PLEASE PAINT NAME GATY Aguiar Rev. 6	1-5-20



PLEASE PRINT NAME GATY AGUIST

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

199 ELMHURST ST. HAYWARD CA. 94544-1395

PHONE (\$10) 670-5554 MARLON MAGALLANES/FRANK CODD (510) 670-5783

FAX (510)182-1939

DRILLING PERMIT APPLICATION	
for applicant to complete Location of project Pacific Cryogenics 2311 Magnolia Street Qakland, CA 9460/	PERMIT NUMBER WELL NUMBER
	PERMIT CONDITIONS Circled Fermit Requirements Apply
CLIENT Name Aldo Guidotti / Estate of Jean Josephine Address Bates Blvd #300 Phone (925)254-3450 City Orioga Zip 94536	A. GENERAL 1. A permit application should be submitted to as to arrive at the ACPWA office five days prior to proposed starting date.
APPLICANT Name Hydro Analysis, Inc. 11100 San Pablo Ave Fax(510)620-0894 Addres Suite 200-A Phone (510)620-0891 Gity El Carrito, CA zip 94530	2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Raport. 3. Ramii is void if project hos begun within 90 days of approval date
TYPE OF PROJECT Well Construction Geolechnical Investigation Cathodic Protection D General D	B. WATER SUPPLY WELLS 1. Minimum surface seal thickness is two inches of gement grout placed by tremle. 2. Minimum seal depth is 30 feet for municipal and industrial wells or 20 feet for domestic and industrial wells or
WaterSupply O Contamination O Monitoring O Well Destruction XXX monitoring well destruction by pressure-grouting PROFOSED WATER SUPPLY WELL USE	wells unless a leaser depth is specially approved. C. GROUNDWATER MONITORING WELLS
New Domestic C Replacement Domestic C Municipal C Irrigation C Industrial C Other C	cement grout placed by tramia. 2.Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet. D. GEOTECHNICAL
DRILLING METHOD: Mud Rotary C Air Rotary D Auger C Capit C Other C	Backfill both hale by tremie with cement grout or cement grout and ministra. Upper two-three feet replaces in kind or with compacted custings.
DRILLER'S NAME Gregg Drilling DRILLER'S LICENSE NO. C57 - 485165	F. WELL DESTRUCTION
WELL PROJECTS	See attached requirements for destruction of shallow wells. Sond a map of work sits. A different permit application is required for wells deeper than 45 feet. G. SPECIAL CONDITIONS
Drill Hole Diameter in. Maximum Casing Diameter m. Dapth n. Surface Scal Depth n. Owner's Wall Number	NOTE: One application must be submitted for each well or we indestruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.
GEOTECHNICAL PROJECTS Number of Borings Maximum Hole Diameter In. Depth ft.	Ly measure me vell i
ESTIMATED STARTING DATE 01/22/01 ESTIMATED COMPLETION DATE 01/22/01	APPROVED A. DATE TO
I hereby agree to comply with all requirements of this serroit and Alamede County O	rdinance No. 73-68.

Rev.6 -5.00



WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5354 MARLON MAGALLANES/FRANK CODD (610) 670-5783
FAX (510)782-1939

FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT Pacific Cryogenics	PERMIT NUMBER NOT - 012
231 Magnolia Street Dakland, CA 94507	WELL NUMBER
	PERMIT CONDITIONS
A. (2)	Circled Fermit Requirements Apply
Name Aldo Guidotti / Estate of Jean Josephine	A. CENTRAL
Address Bates BIVO #300 Phone (925)254-3450 City Orlinga Zip 94536	I. A permit application should be submitted ac as to arrive at the ACPWA office Five days prior to
	proposed starting date.
APPLICANT Name: Hydro Analysis, Inc. 11100 San Pablo Ave Fax(510)620-0894	(2) Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources.
11100 San Pablo Ave Fax (510) 620-0894 Addres 501Ce 200-A Phone (510) 620-0891	Well Completion Report. SPermit Is void If project not begun within 90 days of
City El Cerrito, CA Zip 94530	approval date
	B. WATER SUPPLY WELLS 1. Minimum surface seal thickness is two inches of
TYPE OF PROJECT Well Construction Geotechnical Investigation	coment grout placed by tremis.
Weil Construction	 Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation
Water Supply D Contamination D	wells unless a lasser depth is specially approved.
Monitoring D Well Descruction XXX	C. GROUNDWATER MONITORING WELLS
monitoring well destruction by pressure-grouting	including piezometers
PROPOSED WATER SUPPLY WELL USE New Domestic Q Replacement Domestic Q	1. Minimum surface seal thickness is two inches of
New Domestic D Replacement Domestic D Municipal D Irrigation D	cement group placed by tremie.
Industrial D Other	 Minimum seal dopth for monitoring walls is the maximum depth practicable or 20 feet.
	D. GEOTECHNICAL
DRILLING METHOD;	Backfill bore hole by bemie with gement grows or comen-
Mudikotary D. Air Rotary D. Auger D. Cabie D. Other 13	growthand mixtura. Upper two-three feet replaced in kind
According to the control of	or with compacted entings E. CATHODIC
DRILLER'S NAME Gregg Drilling	Fill hole anode zone with concrete placed by tremie
DRILLER'S LICENSE NO. C57 - 485165	Sec attached requirements for destruction of shallow
	wells. Send a map of work site. A different permit
	application is required for wells deeper than 45 feet.
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ESTIMATED COMPLETION DATE VIVEZIVI	APPROVED DATE
I hereby agree to comply with all regulatements of this period and Alamada County Ord	inance No. 13-68
	10/01
APPLICANT'S SIGNATURE DATE DATE	17/91
PLEASE PRINT NAME Gary Aguiar \ (/ Rev.	5-5-00



WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94444-1395 PHONE (510) 470-5554 MARLON MAGALLANES/FRANK CODD (610) 670-5783 FAX (510)782-1939

DRILLING PERMIT APPLICATION		
FOR APPLICANT TO COMPLETE LOCATION OF PROJECT Pacific Cryogenics 2311 Magnolla Street Uakland, CA 94607	FOR OFFICE USE PERMIT NUMBER WELL NUMBER	
CLIENT Aldo Guidotti / Estate of Jean Josephine	PERMIT CONDITIONS Circled Permit Requirements Apply	
Address 1 Bates Blvd #300 Phone (925)254-3450 City Orlnda Zip 94536	A GENERAL I. A permit application should be submitted so as to prove at the ACPWA office five days prior to proposed starting date.	
APPLICANT Name	2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources. Well Completion Report. Definit is void if project not begun within 90 days of proposed data B. WATER SUPPLY WELLS	
TYPE OF PROJECT Well Construction Geotechnical Investigation Cathoric Protection D General O Water Supply D Contamination D Monitoring D Well Destruction XXX Monitoring well destruction by pressure-grouting	I. Minimum surface seal thickness is two toches of cament grout placed by wernie. 2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS	
PROPOSED WATER SUPPLY WELL USE New Domestic C Replacement Domestic C Municipal C Irrigation D Industrial C Other C DRILLING METHOD:	1. Minimum surface seet thickness is two inches of gement grout placed by tramie. 2. Minimum seed dopth for monitoring wells is the maximum depth practicable or 20 feet. D. GEOTECHNICAL Backfill bore hole by tramic with cament grout or coment.	
Cable D Other D DRILLER'S NAME Gregg Drilling	grouvesnd mixture. Upper two-three feet replaced in kind or with compacted eutilings. E. CATHODIC Fill hole anode zone with concrete placed by tremis. F. WELL DESTRUCTION	
WELL PROJECTS Drill Hole Diameter in. Maximum Casing Diameter in. Depth Surface Scal Depth D Owner's Well Number	See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 65 feet. (G. SPECIAL CONDITIONS NOTE: One application must be submitted for each, well or well destruction. Multiple berings on one application are acceptable.	
GEOTECHNICAL PROJECTS Number of Borings Maximum Hole Dismoster In. Depth 1.	For geotechnical and contamination investigations. Neusvette vell	
ESTIMATED STARTING DATE 01/22/01 ESTIMATED COMPLETION DATE 01/22/01	APPROVED DATE DATE	
APPLICANT'S SIGNATURE DATE PLEASE PRINT NAME Gary Aguiar Rev. 6	19/01	



WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD, CA. 94544-1395
PHONE (510) 670-5554 FAX (510) 782-1939

PERMIT NO. W01-068-073

WATER RESOURCES SECTION GROUNDWATER PROTECTION ORDINANCE Destruction of Monitoring Wells (Less than 45 feet in depth)

Destruction Requirements: - Pressure Grading-

- 1. Overdrill or clean out to original depth.
- 2. Remove any casing(s) and annular seal to 2 feet below finished grade of original ground, whichever is the lower elevation.
- 3. Destroy well by grouting neat cement with a tremie pipe to the bottom of the well and by filling with neat cement to three (3) feet below surface grade. Allow the sealing material to spill over the top of the easing to fill any annular space between easing and soil.
- 4. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.
- 5. Drilling permits are valid from the start date to the completion date. Permits can be extended by a phone call, but drilling permit applications will not be extended beyond 90 days from the approved start date.
- 6. Compliance with the above well-scaling specifications shall not exempt the well-scaling contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days.
- 7. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

ATTACHMENT C

DWR 188 Forms

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

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