



Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control

Meredith Williams, Ph.D.
Acting Director
1001 "I" Street
P.O. Box 806
Sacramento, California 95812-0806

Gavin Newsom
Governor

Hazardous Waste Handler(HWH) Summary Report

Selection Criteria:

EPA ID: CAL000058991

Company Name: HAFER STEEL COMPANY

Entity: GENERATOR

Waste Code: ALL

Handling Code: ALL

Start Ship Date: N/A

End Ship Date: N/A

Ship Year: 1995

Sorted By: Ship Year

California Manifests:

Ship Year	Manifests	Total Tons
1995	1	2.52000

CA Waste Summary:

Ship Year	Waste Code	Tons
1995	135	2.52000
Grand Total:		2.5200 Tons

Disposal Method Summary:

Ship Year	Method Code	Tons
1995	R01	2.52000
Grand Total:		2.5200 Tons

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in

the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Report Generation Date: 10/08/2019



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EPA ID: CAL000058991

Company Name: HAFER STEEL COMPANY

Entity: GENERATOR

Waste Code: ALL

Handling Code: ALL

Start Ship Date: N/A

End Ship Date: N/A

Ship Year: 1997

Sorted By: Ship Year

California Manifests:

Ship Year	Manifests	Total Tons
1997	1	0.06800

CA Waste Summary:

Ship Year	Waste Code	Tons
1997	343	0.06800
Grand Total: 0.0680 Tons		

Disposal Method Summary:

Ship Year	Method Code	Tons
1997	R01	0.06800
Grand Total: 0.0680 Tons		

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Entity: GENERATOR

Waste Code: ALL

Handling Code: ALL

Start Ship Date: N/A

End Ship Date: N/A

Ship Year: 1998

Sorted By: Ship Year

California Manifests:

Ship Year	Manifests	Total Tons
1998	1	0.22930

CA Waste Summary:

Ship Year	Waste Code	Tons
1998	133	0.22930
Grand Total:		0.2293 Tons

Disposal Method Summary:

Ship Year	Method Code	Tons
1998	R01	0.22930
Grand Total:		0.2293 Tons

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EPA ID PROFILE

<u>Map</u>			
ID Number:	CAL000250840	Status:	INACTIVE
Name:	JEDA INTERNATIONAL INC	Inactive Date:	6/30/2002 12:00:00 AM
County:	SAN DIEGO	Record Entered:	4/25/2002 11:50:08 AM
NAICS:	44111	Last Updated:	12/28/2004 8:18:00 AM

	Name	Address	City	State	Zip Code	Phone
Location	JEDA INTERNATIONAL INC	5915 MISSION GORGE RD	SAN DIEGO	CA	92120	
Mailing		5915 MISSION GORGE RD	SAN DIEGO	CA	92120	
Owner	JEDA INTERNATIONAL INC	5915 MISSION GORGE RD	SAN DIEGO	CA	92120	6192623333
Operator/Contact	PHELIPE PUENTE	5915 MISSION GORGE RD	SAN DIEGO	CA	92120	6192623333

Based Only Upon ID Number: CAL000250840

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
N/A	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

**No Records
Found**

Non California Manifest Total Tonnage

**No Records
Found**

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CALIFORNIA WASTE CODES

121	Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
122	Alkaline solution without metals (pH > 12.5)
123	Unspecified alkaline solution
131	Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)
132	Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)
133	Aqueous solution with 10% or more total organic residues
134	Aqueous solution with <10% total organic residues
135	Unspecified aqueous solution
141	Off-specification, aged, or surplus inorganics
151	Asbestos-containing waste
161	Fluid-cracking catalyst (FCC) waste
162	Other spent catalyst
171	Metal sludge (see 121)
172	Metal dust (see 121) and machining waste
181	Other inorganic solid waste
211	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
212	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
213	Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
214	Unspecified solvent mixture
221	Waste oil and mixed oil
222	Oil/water separation sludge
223	Unspecified oil-containing waste
231	Pesticide rinse water
232	Pesticides and other waste associated with pesticide production
241	Tank bottom waste
251	Still bottoms with halogenated organics
252	Other still bottom waste
261	Polychlorinated biphenyls and material containing PCB's
271	Organic monomer waste (includes unreacted resins)
272	Polymeric resin waste
281	Adhesives
291	Latex waste
311	Pharmaceutical waste
321	Sewage sludge
322	Biological waste other than sewage sludge
331	Off-specification, aged, or surplus organics
341	Organic liquids (nonsolvents) with halogens
342	Organic liquids with metals (see 121)
343	Unspecified organic liquid mixture

CALIFORNIA WASTE CODES

351	Organic solids with halogens
352	Other organic solids
411	Alum and gypsum sludge
421	Lime sludge
431	Phosphate sludge
441	Sulfur sludge
451	Degreasing sludge
461	Paint sludge
471	Paper sludge/pulp
481	Tetraethyl lead sludge
491	Unspecified sludge waste
511	Empty pesticide containers 30 gallons or more
512	Other empty containers 30 gallons or more
513	Empty containers less than 30 gallons
521	Drilling mud
531	Chemical toilet waste
541	Photochemicals / photo processing waste
551	Laboratory waste chemicals
561	Detergent and soap
571	Fly ash, bottom ash, and retort ash
581	Gas scrubber waste
591	Baghouse waste
611	Contaminated soil from site clean-ups
512	Household waste
613	Auto shredder waste
614	Treated wood waste
711	Liquids with cyanides > 1000 mg/l
721	Liquids with arsenic > 500 mg/l
722	Liquids with cadmium > 100 mg/l
723	Liquids with chromium (VI) > 500 mg/l
724	Liquids with lead > 500 mg/l
725	Liquids with mercury > 20 mg/l
726	Liquids with nickel > 134 mg/l
727	Liquids with selenium > 100 mg/l
728	Liquids with thallium > 130 mg/l
731	Liquids with polychlorinated biphenyls > 50 mg/l
741	Liquids with halogenated organic compounds > 1000 mg/l
751	Solids or sludge with halogenated organic comp. > 1000 mg/kg
791	Liquids with pH < 2
792	Liquids with pH < 2 with metals
801	Waste potentially containing dioxins



County of San Diego

J. WILLIAM COX, M.D., Ph.D.
DIRECTOR
(619) 236-2237

DEPARTMENT OF HEALTH SERVICES

STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR
(619) 236-7833

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

OFFICE OF THE DEPUTY DIRECTOR
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2211

July 7, 1989

Mr. Gene Sapper
Sapper Construction
P. O. Box 20534
San Diego, CA 92120

Dear Mr. Sapper:

RE: UNAUTHORIZED RELEASE #T1401/H29213-001
5927 MISSION GORGE RD., SAN DIEGO, CA

The site remediation report submitted to this Department by Mr. Gene Sapper summarizing the site characterization and mitigation activities at the above referenced location has been reviewed. This report has also been discussed with staff of the Regional Water Quality Control Board (RWQCB). The RWQCB concurs with the determination of this Department that this site has been adequately mitigated. Based on current requirements and policies, no further action is indicated at this time.

Please be advised that if the current use of the site changes, additional site characterization and mitigation activity may be required. As the property owner, it is your responsibility to notify this Department prior to any such changes.

Thank you for your efforts in resolving this matter. Contact the Hazardous Materials Management Division at (619) 338-2222, if you require any additional assistance.

Sincerely,

GARY R. STEPHANY, Deputy Director
Environmental Health Services

GRS:jw

cc: Jim Munch-RWQCB
Darryl Fowler-HMMD
WPB/T1401

SITE REMEDIATION SUMMARY

File No. H29213 Date Submitted 6/26/89
 Facility Name Sapper Construction
 Operator Sapper Construction Phone 792-7588
 Address at Site 5927 Mission Gorge Road
 Mailing Address (if different) P.O. Box 20534
 Corporate Contact Person Mr. Gene Sapper Phone 792-7588
 HAZMAT Specialist Darryl J. Fowler Phone 338 2222

	Yes	No	NA
Off Site Impacts	<u> </u>	<u>X</u>	<u> </u>
Beneficial Use Area for Ground Water	<u>X</u>	<u> </u>	<u> </u>
Known Public Health Risks	<u> </u>	<u>X</u>	<u> </u>
Further Environmental Monitoring Required	<u> </u>	<u>X</u>	<u> </u>
Consultant's Report on File	<u> </u>	<u> </u>	<u>X</u>
RWQCB Concurrence with Remediation	<u>X</u>	<u> </u>	<u> </u>
Manifests Provided	<u>X</u>	<u> </u>	<u> </u>
(Quantity Removed <u>10 drums</u> (6000 lbs/500 l))			
Contaminant: <u>Diesel</u>			
Cleanup Levels Established: <u>100 mg/kg</u>			
Maximum Concentrations Remaining On-Site: <u>30.0 mg/kg</u>			

Comments: Mr. Sapper did the work himself. Mr. Sapper also submitted his own site assessment and remediation report.

HAZARDOUS MATERIALS MANAGEMENT DIVISION
UNDERGROUND TANK REMOVAL/CLOSURE REPORT

EDP Completed *dfowler*

ESTABLISHMENT # H29213 PLAN CHECK # AT1587

SITE NAME Sapper Construction PH 250-3650

FIRE AGENCY PRESENT?	
<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
PERMIT NO. _____	
DEPT. <u>San Diego</u>	
% L.E.L. <u>0%</u>	
<u>Consultant</u>	
<u>Miles</u>	

ADDRESS 5927 Mission Gorge Rd San Diego ZIP CODE 92120

CONTRACTOR W. Reynolds Construction PHONE 589-8500

NUMBER OF TANKS 1 ☒ REMOVAL ☐ CLOSURE IN PLACE

TANK EDP NUMBER
U/L TAG NUMBER
CAPACITY (GALS)
MATERIAL STORED
DECONTAMINATION?
MANIFEST AVAILABLE?
% LEL (CGI READING)
DRY ICE/OTHER (AMT)
TANK CONDITION
BACKFILL SOIL TYPE
BACKFILL CONDITION
NATIVE SOIL TYPE
NATIVE CONDITION
EXCAVATION ODORS?
STOCKPILE ODORS?
PONDED PRODUCT?
PIPELINE LEAK?
REINSPECTION REQ.?

					REMARKS:
6000					floor
gasoline					
yes					No staining visible
yes					in backfill from
0%					excavation
150#					
good					No fire - No staining
Sand					observed
See Remarks					
Clay - sandy, Clay w/ Cobble					Tank - No poles
See Remarks					observed
slight					Tank Intact
none					
no					staining in soil
not					around pipe and
					pump area

NOTICE: You are hereby notified that on 5/16/89, a Hazardous Materials Specialist conducted an inspection for the closure of 1 hazardous substance underground storage tanks. A summary of the conditions follows:

☒ A determination of this site's status is pending receipt of Laboratory Analyses Results for samples taken this date. To avoid delays, have the Laboratory send a copy of the results directly to Darryl L FOWLER of the HMMD (see address below). (print)

☐ Contamination of the excavation area has been noted by observations made during the tank removal this date.
-BEGIN SITE ASSESSMENT PHASE- (see reverse for preliminary details).

The Laboratory results have been reviewed by <u>dfowler</u> (of the HMMD) on <u>6/6/89</u> and indicate the following:	
<input type="checkbox"/> NO FURTHER ACTION IS REQUIRED.	
<input checked="" type="checkbox"/> BEGIN SITE ASSESSMENT PHASE (see attached information).	
Phone Contact <u>Gene Sapper</u>	Date Form Was Mailed <u>6/8/89</u>

Received by William Reynolds
Printed Name William Reynolds
Phone Number 589-8500

Darryl J. Fowler
Hazardous Materials Specialist
County of San Diego
Department of Health Services
HMMD - P.O. Box 85261
San Diego, CA 92138-5261
(619) 236-2222

Type(s) of hazardous substance(s) released: Unknown

Is hazardous material ponded? nope What is estimated amount? _____

Is amount of hazardous substance release known? nope Estimated amount _____

What is estimated depth to ground water below the site? 210' feet

Is site located in a beneficial use area? yes

SOIL CONDITIONS:

Is backfill discolored? nope Estimated amount _____

Is backfill saturated? nope Estimated amount _____

Is native soil stained? nope - See remarks Estimated amount _____

Is native soil discolored? nope Estimated amount _____

Describe native soil type(s) Clay type w/ small Cobble

Condition of tank(s) (holes, corrosion, wrapping, seams) No holes observed

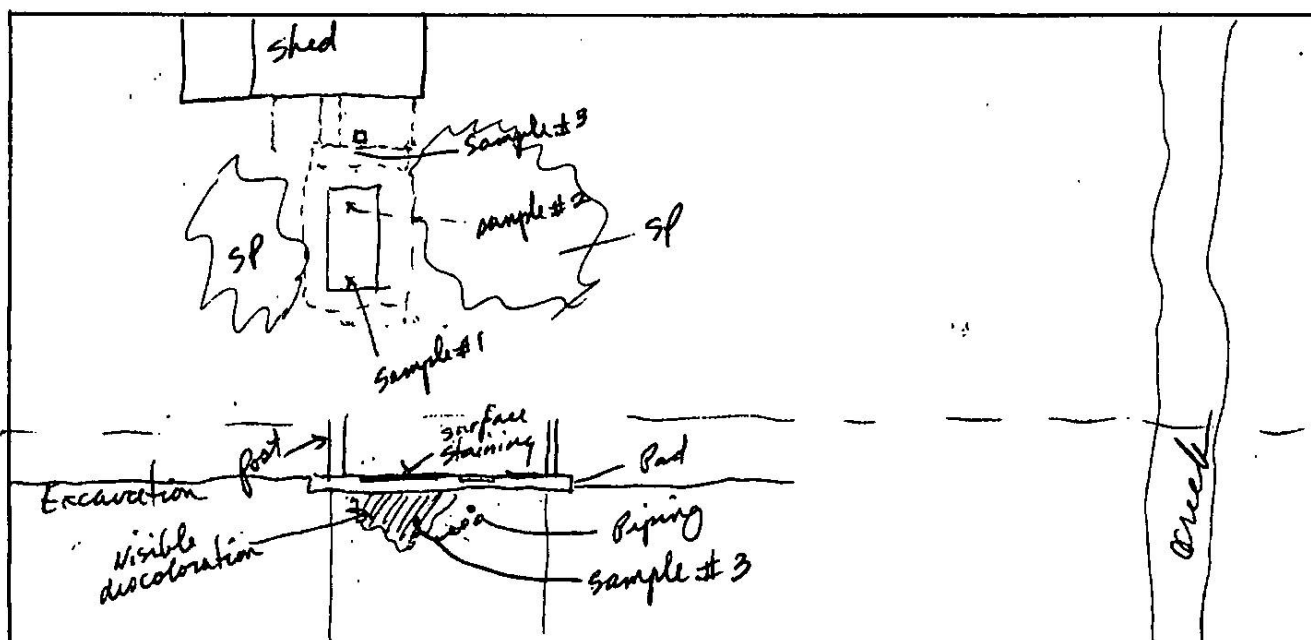
Tank appears in good condition

Piping leak location Staining of soil beneath pump area

Nearby water wells or surface waters? yes 50 yds North

Any known underground vaults, utilities or basements nearby? no

FURTHER COMMENTS: It appears that contamination maybe associated with the overflow at pump area. Soil stained around bottom of post beneath the concrete pad.



(HMMD)

PLOT PLAN

EST. # H 29213

DHS:HM-916(3/89)

Project Name Reference Address				ANALYSIS REQUESTED						SAMPLE TYPE				NO. OF CONTAINERS	COPY OF LAB RESULTS MUST BE SENT TO: County Of San Diego Hazardous Materials Management Division P.O. Box 85261 San Diego, Ca 92138-5261
Samplers Signature Lab To Be Used				TPH DOHS METHOD	TPH EPA 418.1	BTX (8020/602)	HALOGENATED (8010/601)	SOLID	LIQUID	GRAB	COMPOSITE	COMMENTS			
SAMPLE NO.	DATE	TIME	LOCATION												
#1	5/16/89	1435	East End of Excavation 13.0" B56	X				X		X		1	Excavation Beneath Piping		
#2	5/16/89	1445	West End 13.0" B56	X				X		X		1			
#3	5/16/89	1455	3' B56 Piping	X				X		X		1			
														5865-5867-89	
RELINQUISHED BY				Date	RELINQUISHED BY				Date	RELINQUISHED BY				Date	TOTAL NO. OF CONTAINERS
Signature				5/18/89	Signature					Signature					Sample Conditions
Printed Name				Time	Printed Name				Time	Printed Name				Time	Received on Ice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Company				3:15	Company					Company					Tape Seal Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
RECEIVED BY				Date	RECEIVED BY				Date	RECEIVED BY (LAB)				Date	Special Shipment/Handling Or Storage Requirements:
Signature					Signature					Signature				5/18/89	Split Sample Location
Printed Name				Time	Printed Name				Time	Printed Name				3:15	Site Identification
Company					Company					Company					No. 29213 AT +587
															HPMD

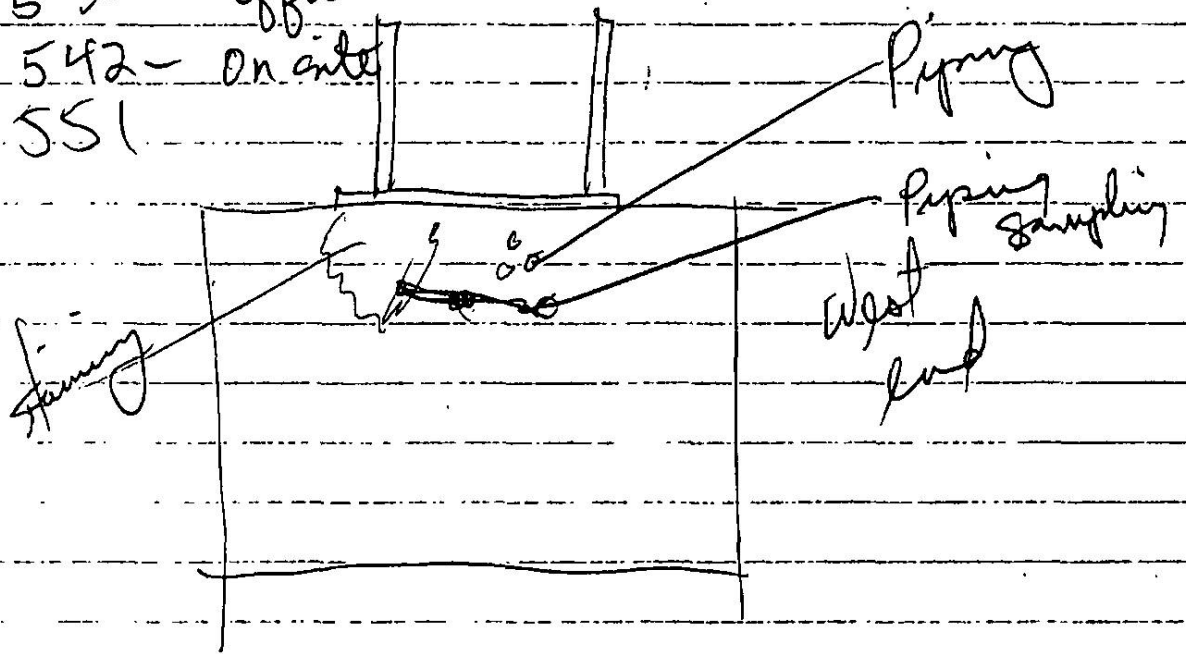
76511 office

76523 on-site

532 office

542 - on-site

551









GENERAL VIEW

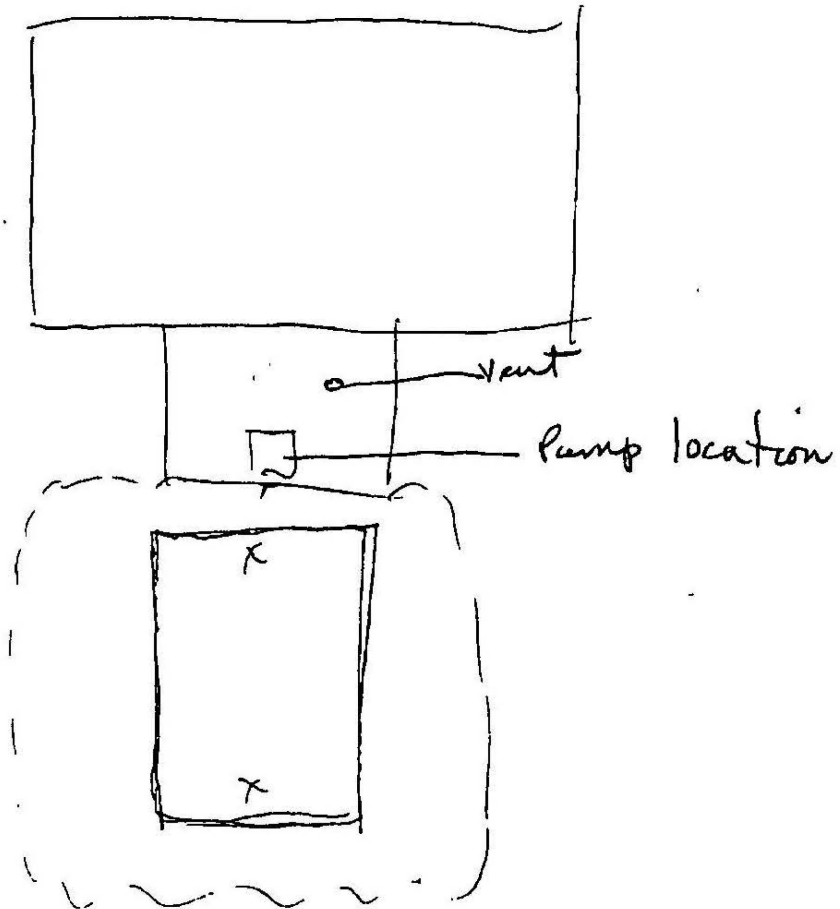


HAND EXCAVATION

88338002
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
3. Generator's Name and Mailing Address SAPPER CONSTRUCTION CO. P.O. BOX 20534 SAN DIEGO CA 92120		1. Generator's US EPA ID No. C1A1C10101171431819015191511		A. State Manifest Document Number 88338002	
4. Generator's Phone (619) 280-3650		5. Transporter 1 Company Name Triad Marine & Industrial Cleaning Corp.		B. State Generator's ID	
6. Transporter 1 US EPA ID Number C1A1C10101171431819015191511		7. Transporter 2 Company Name		C. State Transporter's ID 90P530	
8. Transporter 2 US EPA ID Number		9. Designated Facility Name and Site Address DEMUNO KARDONU 2000 NO ALAMEDA ST. Campton, PA 92022-2799		D. Transporter's Phone (619) 239-3024	
10. US EPA ID Number		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		E. State Transporter's ID	
12. Containers		13. Total Quantity		F. Transporter's Phone	
14. Unit Wt/Vol		15. Waste No.		G. State Facility's ID	
16. State		17. EPA/Other		H. Facility's Phone	
18. State		19. EPA/Other		I. State	
20. EPA/Other		21. State		22. EPA/Other	
23. State		24. EPA/Other		25. State	
26. EPA/Other		27. State		28. EPA/Other	
29. State		30. EPA/Other		31. State	
32. EPA/Other		33. State		34. EPA/Other	
35. State		36. EPA/Other		37. State	
38. EPA/Other		39. State		40. EPA/Other	
41. State		42. EPA/Other		43. State	
44. EPA/Other		45. State		46. EPA/Other	
47. State		48. EPA/Other		49. State	
50. EPA/Other		51. State		52. EPA/Other	
53. State		54. EPA/Other		55. State	
56. EPA/Other		57. State		58. EPA/Other	
59. State		60. EPA/Other		61. State	
62. EPA/Other		63. State		64. EPA/Other	
65. State		66. EPA/Other		67. State	
68. EPA/Other		69. State		70. EPA/Other	
71. State		72. EPA/Other		73. State	
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77. State		78. EPA/Other		79. State	
80. EPA/Other		81. State		82. EPA/Other	
83. State		84. EPA/Other		85. State	
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92. EPA/Other		93. State		94. EPA/Other	
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119. State		120. EPA/Other		121. State	
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134. EPA/Other		135. State		136. EPA/Other	
137. State		138. EPA/Other		139. State	
140. EPA/Other		141. State		142. EPA/Other	
143. State		144. EPA/Other		145. State	
146. EPA/Other		147. State		148. EPA/Other	
149. State		150. EPA/Other		151. State	
152. EPA/Other		153. State		154. EPA/Other	
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173. State		174. EPA/Other		175. State	
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179. State		180. EPA/Other		181. State	
182. EPA/Other		183. State		184. EPA/Other	
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188. EPA/Other		189. State		190. EPA/Other	
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236. EPA/Other		237. State		238. EPA/Other	
239. State		240. EPA/Other		241. State	
242. EPA/Other		243. State		244. EPA/Other	
245. State		246. EPA/Other		247. State	
248. EPA/Other		249. State		250. EPA/Other	
251. State		252. EPA/Other		253. State	
254. EPA/Other		255. State		256. EPA/Other	
257. State		258. EPA/Other		259. State	
260. EPA/Other		261. State		262. EPA/Other	
263. State		264. EPA/Other		265. State	
266. EPA/Other		267. State		268. EPA/Other	
269. State		270. EPA/Other		271. State	
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347. State		348. EPA/Other		349. State	
350. EPA/Other		351. State		352. EPA/Other	
353. State		354. EPA/Other		355. State	
356. EPA/Other		357. State		358. EPA/Other	
359. State		360. EPA/Other		361. State	
362. EPA/Other		363. State		364. EPA/Other	
365. State		366. EPA/Other		367. State	
368. EPA/Other		369. State		370. EPA/Other	
371. State		372. EPA/Other		373. State	
374. EPA/Other		375. State		376. EPA/Other	
377. State		378. EPA/Other		379. State	
380. EPA/Other		381. State		382. EPA/Other	
383. State		384. EPA/Other		385. State	
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389. State		390. EPA/Other		391. State	
392. EPA/Other		393. State		394. EPA/Other	
395. State		396. EPA/Other		397. State	
398. EPA/Other		399. State		400. EPA/Other	
401. State		402. EPA/Other		403. State	
404. EPA/Other		405. State		406. EPA/Other	
407. State		408. EPA/Other		409. State	
410. EPA/Other		411. State		412. EPA/Other	
413. State		414. EPA/Other		415. State	
416. EPA/Other		417. State		418. EPA/Other	
419. State		420. EPA/Other		421. State	
422. EPA/Other		423. State		424. EPA/Other	
425. State		426. EPA/Other		427. State	
428. EPA/Other		429. State		430. EPA/Other	
431. State		432. EPA/Other		433. State	
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437. State		438. EPA/Other		439. State	
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521. State		522. EPA/Other		523. State	
524. EPA/Other		525. State		526. EPA/Other	
527. State		528. EPA/Other		529. State	
530. EPA/Other		531. State		532. EPA/Other	
533. State		534. EPA/Other		535. State	
536. EPA/Other		537. State		538. EPA/Other	
539. State		540. EPA/Other		541. State	
542. EPA/Other		543. State		544. EPA/Other	
545. State		546. EPA/Other		547. State	
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569. State		570. EPA/Other		571. State	
572. EPA/Other		573. State		574. EPA/Other	
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593. State		594. EPA/Other		595. State	
596. EPA/Other		597. State		598. EPA/Other	
599. State		600. EPA/Other		601. State	
602. EPA/Other		603. State		604. EPA/Other	
605. State		606. EPA/Other		607. State	
608. EPA/Other		609. State		610. EPA/Other	
611. State		612. EPA/Other		613. State	
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617. State		618. EPA/Other		619. State	
620. EPA/Other		621. State		622. EPA/Other	
623. State		624. EPA/Other		625. State	
626. EPA/Other		627. State		628. EPA/Other	
629. State		630. EPA/Other		631. State	
632. EPA/Other		633. State		634. EPA/Other	
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665. State		666. EPA/Other		667. State	
668. EPA/Other		669. State		670. EPA/Other	
671. State		672. EPA/Other		673. State	
674. EPA/Other		675. State		676. EPA/Other	
677. State		678. EPA/Other		679. State	
680. EPA/Other		681. State		682. EPA/Other	
683. State		684. EPA/Other		685. State	
686. EPA/Other		687. State		688. EPA/Other	
689. State		690. EPA/Other		691. State	
692. EPA/Other		693. State		694. EPA/Other	
695. State		696. EPA/Other		697. State	
698. EPA/Other		699. State		700. EPA/Other	
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707. State		708. EPA/Other		709. State	
710. EPA/Other		711. State		712. EPA/Other	
713. State		714. EPA/Other		715. State	
716. EPA/Other		717. State		718. EPA/Other	
719. State		720. EPA/Other		721. State	
722. EPA/Other		723. State		724. EPA/Other	
725. State		726. EPA/Other		727. State	
728. EPA/Other		729. State		730. EPA/Other	
731. State		732. EPA/Other		733. State	
734. EPA/Other		735. State		736. EPA/Other	
737. State		738. EPA/Other		739. State	
740. EPA/Other		741. State		742. EPA/Other	
743. State		744. EPA/Other		745. State	
746. EPA/Other		747. State		748. EPA/Other	
749. State		750. EPA/Other		751. State	
752. EPA/Other		753. State		754. EPA/Other	
755. State		756. EPA/Other		757. State	
758. EPA/Other		759. State		760. EPA/Other	
761. State		762. EPA/Other		763. State	
764. EPA/Other		765. State		766. EPA/Other	
767. State		768. EPA/Other		76	

6000 gal Ibor



COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PERMIT APPLICATION

PART I

GENERAL PROJECT INFORMATION

FOR HMMU USE:

Plan Check # AT 1587
Date Received 5/17/89
Fee Paid 1561
Plan Approval 5/19/89
Estab # H29213
Hydro Unit 7.1
Benef. Use 943

A. SITE ADDRESS: 5927 Mission Gorge Rd San Diego 92120
Street City Zip Code

B. PROPERTY OWNER:
Company Supper Construction Co. Contact Gene Supper
Mailing Address P.O. Box 20534 City San Diego Zip 92120
Phone (619) 280-3450
24 Hr. Emergency Contact Gene Supper Phone (619) 792-7588

C. OPERATOR:
Company Same Contact _____
Mailing Address _____ City _____ Zip _____
Phone () _____
24 Hr. Emergency Contact _____ Phone () _____

D. CONTRACTOR:
Primary Contractor William Reynolds Construction Contact Bill Reynolds
Mailing Address 7959 Lemon Grove Way City Lemon Grove Zip 92045
Phone (619) 589-8500
State Contractor License No. 501952
Worker's Compensation Insurance Company Travelers Phone (619) 443-9181

Check Here if Owner/Builder: ☐

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS:

Submit three (3) copies of this application package, including plan drawings, with the required fee to the Department of Health Services, Hazardous Materials Management Unit, Room 311, 1700 Pacific Highway, San Diego, CA 92101. Checks should be made payable to the County of San Diego.

A permit will be issued by the Department of Health Services (DHS) upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in this application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit has been issued.

Once the permit has been issued, it is the permittee's responsibility to notify the DHS at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II, III and IV).

F. Indicate the Company/Person you wish to have our plan check comments directed to by circling the appropriate section letter above or if different enter below.

G. PROJECT WORK TO BE COMPLETED:	COMPLETE APPLICATION PARTS	FEE CODE (TABLE H.)	CODES FOR OFFICE USE ONLY
Check Applicable Box			
<input type="checkbox"/> Installation/Construction of new tank(s) only (without removing/abandoning any existing tanks.)	I & II	1	NT
<input type="checkbox"/> Removal/Destruction of existing tanks with installation of new tanks (tank replacement).	I, II & III	1 & 2	NR
<input checked="" type="checkbox"/> Removal/Destruction of existing tank(s) with no new tank installation.	I & III	2	AT
<input type="checkbox"/> Removal <u>only</u> of one tank less than 1000 gallon with no new tank installation.	I & III	4	AT
<input type="checkbox"/> Repiping of an existing tank facility.	I & II (Sections E thru N Only)	3	NM
<input type="checkbox"/> Interior coating of an existing tank facility.	I & IV	1	NM

H. FEES: The fees shown below cover plan review and approval and the required field inspections. Use the appropriate Fee Code as determined in Section G above.

Fee Code

- ☒ Base fee for one tank (\$372) Fee: \$ 0
- Fee for additional tanks (\$102 each) Fee: \$ 0
- ☒ Fee to abandon 1 tank (\$156) Fee: \$ 156.00
- Fee for additional abandoned tanks (\$78 each) Fee: \$ 0
- ☒ Fee per Facility (\$312) (Repipe Only) Fee: \$ 0
- ☒ Fee to remove only one tank less than 1000 gallons (\$65) Fee: \$ 0

TOTAL FEE: \$ 156.00

CASH _____ CHECK # _____

I. PERMITS REQUIRED BY OTHER AGENCIES:

Application #'s:
Fire Dept. _____ APCD _____ Bldg. Dept. _____ Cal OSHA _____ Other _____

Provide copies of approved applications from other agencies requiring permits for this project.

- END OF PART I -

WM REYNOLDS CONSTRUCTION
ATTN: AL WESTERMAYER
7959 LEMON GROVE WAY
LEMON GROVE, CA 92054

ANALYSES RESULTS

TPH - TOTAL PETROLEUM HYDROCARBONS

****DUPLICATE ANALYSIS**

PETER SHEN
LABORATORY DIRECTOR

Project Name <u>Super Construction</u>				ANALYSIS REQUESTED				SAMPLE TYPE				NO. OF CONTAINERS	COPY OF LAB RESULTS MUST BE SENT TO: County Of San Diego Hazardous Materials Management Division P.O. Box 85261 San Diego, Ca 92138-5261
Reference <u>Sample from Tank Excavation</u>													
Address <u>5927 Mission Gorge Rd</u>													
Samplers Signature <u>Ed Digney, CA 92120</u>													
Lab To Be Used <u>DA Lab</u>													
SAMPLE NO.	DATE	TIME	LOCATION	TPH DOHS METHOD	TPH EPA 418.1	BTX (8020/602)	HALOGENATED (8010/601)	SOLID	LIQUID	GRAB	COMPOSITE		COMMENTS
#1	5/16/89	1455	East End of Excavation	X				X		X		1	Excavation Beneath Piping
#2	5/16/89	1445	West End 13' 0" BSE	X				X		X		1	
#3	5/16/89	1455	3' BSE Piping	X				X		X		1	

5865-5867-89

89 MAY 18 P 8

RELINQUISHED BY		Date	2 RELINQUISHED BY	Date	3 RELINQUISHED BY	Date	TOTAL NO. OF CONTAINERS
Signature <u>Al West</u>		5/18/89	Signature		Signature		Sample Conditions Received On Ice <u>Yes/No</u> Tape Seal Intact <u>Yes/No</u>
Printed Name <u>WM. REYNOLDS COORS</u>		Time 3:15	Printed Name		Printed Name		
Company			Company		Company		Special Shipmen/Handling Or Storage Requirements:
RECEIVED BY		Date	RECEIVED BY	Date	RECEIVED BY (LAB)	Date	Split Sample Location
Signature			Signature		Signature <u>V. PENNICK</u>	5/18/89	Site Identification
Printed Name		Time	Printed Name	Time	Printed Name <u>VAL</u>	3:15	H# <u>79213</u> AT# <u>1587</u>
Company			Company		Company		HMMD <u>Al West</u>



QUALITY ASSURANCE LABORATORY

WM REYNOLDS CONSTRUCTION
ATTN: AL WESTERMEYER
7959 LEMON GROVE WAY
LEMON GROVE CA, 92054

DATE OF QC REPORT
DATE RECEIVED
DATE OF SAMPLE
DATE COMPLETED
ANALYZED BY
SAMPLE TYPE
PROJECT NAME

JUNE 2, 1989
MAY 18, 1989
MAY 16, 1989
MAY 31, 1989
MH MS
3 SOIL
SAPPER CONSTRUCTION

Quality Control Data

for

Log #5865-89 and #5867-89

Mailing Address:
P.O. Box 22567
San Diego, CA 92122

San Diego
6555 Nancy Ridge Dr., Suite 300
San Diego, CA 92121
(619) 568-1060
Fax: (619) 458-9093

Arizona
(602) 468-0691
Orange County
(714) 261-7242

Total Petroleum Hydrocarbons - DHS Method (Recommended procedure
from Leaking Underground Fuel Tank Manual, May 1988)

Calibration Standard:

Relative Standard Deviation (4 point curve): 6.8 %

Continuing Calibration Curve Verification

Expected Concentration: 50 ppm

Recovered : 47 ppm

% Recovery: 93 %

Matrix Spike Recovery

Log #5866-89

Spike amount: 200 ppm

Recovered: 185 ppm

% Recovery: 92 %

Precision Data

Log #5865-89 was analyzed in duplicate.

Log #5865 concentration: <0.5 ppm

Log #5865 duplicate conc:<0.5 ppm

Relative Percent Difference: NA

Sheri D. Stanley

Sheri D. Stanley
QA/QC Officer

QUALITY ASSURANCE
LABORATORY

SAPPER CONSTRUCTION CO.

Engineering Contractors
Post Office Box 20534
SAN DIEGO, CALIFORNIA 92120

LETTER OF TRANSMITTAL

DATE	June 26, 1989	JOB NO.
ATTENTION	Darryl Fowler	
RE:	HHMD Case No	
	H29213	
	AT 1587	

TO (619) 280-3650
Mr. Darryl Fowler
County of San Diego
Department of Health Services
1255 Imperial Ave. San Diego
Att

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

- ☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ copies

COPIES	DATE	NO.	DESCRIPTION
1	6-23-89	1	Uniform Hazard Waste Manifest
1	6-23-89	1	Authorization to perform work IT Corp
1	6-23-89	1	Field Response Service Order IT Corp

THESE ARE TRANSMITTED as checked below:

- ☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

Darryl: This should close our problem. Thank you
for your cooperation

COPY TO _____

SIGNED: _____

Customer Name													SAPPER CONSTRUCTION CO															
Job Address													5907 MISSION GORGE RD															
City								SAN DIEGO				State		CA		Zip		92120		Date		6-13-89						
Job Location on Site																	Tank No.				IT Job No.		051625					
Service Performed													Pkg 4 TRANSPORT CONTAMINATED SOIL TO PACIFIC TREATMENT FOR FERTILIZER STORAGE						Phase		Task		Sub-Task					
Cust. P.O./Job No.													1538				Transportation:		<input checked="" type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/>		Disposal:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Profit Center		0225	
Final Service Order:													Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>															
Class	Employee Name	Start Time	Arrive Time	Time Out	Leave Job	Stop Time	Product Code	Employee No.	S.T. Hours	O.T. Hours	D.T. Hours	Total Hours	Chg Y/N															
FC	M. RUSHIN BAKER	11:30	-	0	-	14:00	LW201	02754	2 1/2			2 1/2	Y															
	C. BIRCHER	1400	1500	0	1710			07625																				
	T. THOMPSON	1400	1500	0	1710			68345																				

EQUIPMENT

[illegible]

PRODUCT CODE = MEMO ONLY

MATERIALS

Description	UOM	Qty	Description	UOM	Qty	Description	UOM	Qty
Detergent			Vermiculite					
Rags			Visqueen					
Poly Bags			Absorbents, Type:					
Tvyeck <input type="checkbox"/> White <input type="checkbox"/> Poly			Drums, Type: <i>DOT 17H/55</i>	<i>EA</i>				
Raingear <input type="checkbox"/> HD <input type="checkbox"/> L								
Duct Tape								
Gloves, Type: <i>LEATHER</i>	<i>EA</i>	<i>2</i>						

PRODUCT CODE = MEMO ONLY

RENTAL/OUTSIDE ITEMS

Product Code Description	UOM	Qty	Prod Code Description	UOM	Qty
			Subsistence		
			SAFETY FIRST Received By <u>Cornel T. Roman</u> Customer Representative		

This contract subject to terms and conditions as stated on reverse side.

By authorization of this service order the purchaser agrees, and his agent or representative agrees for the purchaser, to the following terms and conditions:

- (1) Terms: NET 30 Days
- (2) In the event that collection and/or suit shall become necessary to enforce the provisions of the contract, or the payments due hereunder, the contractor shall be entitled to add to the amount due all collection fees, court costs and a reasonable attorney's fee therefore.

1½% interest per month will be charged on accounts over thirty days. Annual percentage rate 18%.



Please print or type. (Form designed for use on elite (4 pin) typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A C 0 0 0 1 7 4 3 8 9 5 2 7 7 3		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Sapper Construction Company 5927 Mission Gorge Road San Diego, CA. 92120 Generator's Phone (619) 280-3550				A. State Manifest Document Number 8 8 1 5 2 7 7 3			
5. Transporter 1 Company Name IT Corporation				6. US EPA ID Number C A D 9 8 2 3 4 4 3 7 6 6		B. State Generator's ID H A H 0 3 6 0 3 2 1 6 9	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Transporter's ID	
9. Designated Facility Name and Site Address Pacific Treatment Corporation 2190 Main Street San Diego, CA. 92113				10. US EPA ID Number C A D 0 9 5 8 9 4 5 5 6		D. Transporter's Phone (619) 442-6610	
						E. State Transporter's ID 0 0 8 2 1 6	
						F. Transporter's Phone	
						G. State Facility's ID	
						H. Facility's Phone (619) 233-0424	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.		
a. Hazardous Waste Solid, n.o.s.; ORM-E; NA9189					State 611 EPA/Other N/R		
b.					State EPA/Other		
c.					State EPA/Other		
d.					State EPA/Other		
J. Additional Descriptions for Materials Listed Above a) soil contaminated with diesel fuel, see analytical				K. Handling Codes for Wastes Listed Above			
				a. b.			
				c. d.			
15. Special Handling Instructions and Additional Information wear gloves and goggles when handling weight is approximate							
18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name JOSEPH J. KIMERD				Signature <i>JOSEPH J. KIMERD</i>		Month Day Year 06 23 89	
17. Transporter 1 Acknowledgement of Receipt of Materials J/N 251625							
Printed/Typed Name CHARLES E. BIRCHER				Signature <i>Charles E. Bircher</i>		Month Day Year 06 23 89	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name				Signature		Month Day Year	

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

7-5-89 9:09AM

SA DIEGO

619 280 5187;# 2

Department of Health Services
Toxic Substances Control Division
Sacramento, California

See Instructions on Back Page 6
and Front of Page 7

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of 1

Information in the shaded areas
is not required by Federal law.

3. Generator's Name and Mailing Address
Sapper Construction Company
5927 Mission Gorge Road
San Diego, CA. 92120

4. Generator's Phone (619) 280-3550

5. Transporter 1 Company Name

6. US EPA ID Number

IT Corporation

1 C I A I D I 9 I 8 I 2 I 3 I 4 I 4 I 3 I 7 I 6

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Casmalia Resources

N T U Road

Casmalia, CA. 93429

10. US EPA ID Number

1 C I A I D I 0 I 2 I 0 I 7 I 4 I 8 I 1 I 2 I 5

A. State Manifest Document Number

88152784

B. State Generator's ID

H A H Q 3 6 0 3 2 1 6 9

C. State Transporter's ID

008216

D. Transporter's Phone (619) 442-6610

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

(805) 937-8453

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total
Quantity

14.
Unit
Wt/Vol

15. Waste No.

a. **Hazardous Waste Solid, n.o.s.; ORM-E; NA9189**

C U O D M G G G G G F

State
611

EPA/Other
N/R

b.

State

EPA/Other

c.

State

EPA/Other

d.

State

EPA/Other

J. Additional Descriptions for Materials Listed Above

a) **Soil contaminated with diesel fuel, see analytical
analysis profile # 17419139CR**

K. Handling Codes for Wastes Listed Above

a.

b.

c.

d.

16. Special Handling Instructions and Additional Information

**wear gloves and goggles when handling
weight is approximate**

18.

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

DWAYNE INGRAM

Signature

Dwayne Ingram

Month Day Year

06 26 89

17. Transporter 1 Acknowledgement of Receipt of Materials

J/N 251625

Printed/Typed Name

Charles Birckel

Signature

Charles Birckel

Month Day Year

06 26 89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

NO DISCREPANCY

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

WVH

Month Day Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550



QUALITY ASSURANCE LABORATORY

JUN 22 2 15 PM '89

SAPPER CONSTRUCTION CO.
PO BOX 20534
SAN DIEGO, CA 92120

DATE OF QC REPORT
DATE RECEIVED
DATE OF SAMPLE
DATE COMPLETED
ANALYZED BY
SAMPLE TYPE
PROJECT NAME

JUNE 21, 1989
JUNE 13, 1989
JUNE 13, 1989
JUNE 19, 1989
MH DB JRM
3 SOIL
AT 1587

Quality Control Data

for

Log #7098-89 through #7100-89

Mailing Address:
P.O. Box 22567
San Diego, CA 92122

San Diego
6555 Nancy Ridge Dr., Suite 300
San Diego, CA 92121
(619) 566-1060
Fax: (619) 458-9093

Arizona
(602) 468-0691
Orange County
(714) 261-7242

QUALITY ASSURANCE LABORATORY
6555 NANCY RIDGE DR., SUITE 300
SAN DIEGO, CALIFORNIA 92121
(619) 566-1060

SAPPER CONSTRUCTION CO.
ATTN: DARYL FOWLER
PO BOX 20534
SAN DIEGO, CA 92120

DATE OF REPORT	JUNE 14, 1989
DATE RECEIVED	JUNE 13, 1989
DATE OF SAMPLE	JUNE 13, 1989
DATE COMPLETED	NOT COMPLETE
ANALYZED BY	DB MH JRM
SAMPLE TYPE	3 SOIL
PROJECT	AT 1587

ANALYSES RESULTS

LOG NUMBER	SAMPLE ID/LOCATION	ANALYSIS: METHOD: UNITS:	TPH: DHS* MG/KG	FLASHPOINT SW846 1010 DEGREES F
7098-89	4 1'BSG UNDER SLAB		27.9/30.0**	>212
7099-89	5 2.5' BSG SIDE		<0.5	
7100-89	6 4/5' BSG BOTTOM		4.9	

TPH - TOTAL PETROLEUM HYDROCARBONS

* RECOMMENDED PROCEDURE FROM LEAKING UNDERGROUND FUEL TANK FIELD
MANUAL, MAY 1988

**DUPLICAT ANALYSIS

Peter Shen mca
PETER SHEN
LABORATORY DIRECTOR

Total Petroleum Hydrocarbons - DHS Method (Recommended procedure
from Leaking Underground Fuel Tank Manual, May 1988)

Calibration Standard:

Relative Standard Deviation (4 point curve): 6.2 %

Continuing Calibration Curve Verification

Expected Concentration: 250 ppm

Recovered : 261 ppm

% Recovery: 104 %

Matrix Spike Recovery

Log # 7065-89

Spike amount: 100 ppm

Recovered: 100 ppm

% Recovery: 100 %

Precision Data

Log #7098-89 was analyzed in duplicate.

Log #7098 concentration: 27.9 ppm

Log #7098 duplicate conc: 30.0 ppm

Relative Percent Difference: 7 %

EPA METHOD 8020 - PURGEABLE AROMATIC HYDROCARBONS

Method Blank showed no detectable purgeable aromatic hydrocarbons.

Concentrations were calculated using a 4 point calibration curve of 5, 10, 15, and 20 ppm.

CONTINUING CALIBRATION CURVE VERIFICATION

A 20 ppm standard verification was run in the sample set up.

COMPOUND	%RECOVERY
Benzene	95%
Toluene	101%
Xylenes	100%
Ethylbenzene	107%

ORGANIC LEAD - DHS METHOD

Method Blank showed no organic lead detected.

Concentrations were calculated against a 3 point calibration curve of concentrations 2.5, 5, and 10 ppm .

CONTINUING CALIBRATION CURVE VERIFICATION

A 5 ppm verification standard was run in the sample set up. The recovery was 97 %.

DUPLICATE SPIKE DATA

Log #7098-89 SPIKE was analyzed in duplicate.

Relative Percent Difference: 3 %

LOG #	Org. Pb % RECOVERY
7098-89 SPK	90%
7098-89 SPK DUP	93%

Sheri D. Stanley

Sheri D. Stanley
QA\QC Officer

SAPPER CONSTRUCTION CO.

Engineering Contractors
Post Office Box 20534
SAN DIEGO, CALIFORNIA 92120

(619) 280-3650

LETTER OF TRANSMITTAL

HMMU

DATE	June 16, 1989	JOB NO.
ATTENTION	Darryl Fowler	
RE: /	Site Assessment Report	

TO COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERV.

HMMU - P.O. BOX 85261

San Diego, CA 92138-5261

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

- ☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☒ noted below

COPIES	DATE	NO.	DESCRIPTION
1			Quality Assurance Laboratory to WM Reynolds Construction

THESE ARE TRANSMITTED as checked below:

- ☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS This page was left out of material submitted June 14, 1989.

COPY TO _____

SIGNED:

Melinda S. Diehl

RECEIVED JUN 5 1989

QUALITY ASSURANCE LABORATORY
6555 NANCY RIDGE DR., SUITE 300
SAN DIEGO, CALIFORNIA 92121
(619) 566-1060

WM. REYNOLDS CONSTRUCTION
ATTN: AL WESTERMEYER
7959 LEMON GROVE WAY
LEMON GROVE, CA 92054

DATE OF REPORT	MAY 31, 1989
DATE RECEIVED	MAY 18, 1989
DATE OF SAMPLE	MAY 16, 1989
DATE COMPLETED	MAY 31, 1989
ANALYZED BY	MS MH
SAMPLE TYPE	3 SOIL
PROJECT NAME	SAPPER CONSTRUCTION

ANALYSES RESULTS

LOG NUMBER	SAMPLE ID	LOCATION	ANALYSIS: TPH
			METHOD: DHS*
			UNITS: MG/KG
5865-89	#1	E. END OF EXCAVATION 13'0" BSG	<0.5/<0.5**
5866-89	#2	WEST END 13'0" BSG	<0.5
5867-89	#3	3' BSG PIPING	5,450

TPH - TOTAL PETROLEUM HYDROCARBONS

* RECOMMENDED PROCEDURE FROM LEAKING UNDERGROUND FUEL TANK FIELD
MANUAL, MAY 1988

**DUPLICATE ANALYSIS



PETER SHEN
LABORATORY DIRECTOR

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25100.7 OF THE HEALTH AND SAFETY CODE.	
REPORT DATE M 6 D 9 Y 8		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Eugene Sapper		PHONE (619) 280-3650		SIGNATURE
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME Sapper Construction Co.		
	ADDRESS P.O. Box 20534 San Diego CA 92120				
RESPONSIBLE PARTY	NAME E. H. Sapper <input type="checkbox"/> UNKNOWN		CONTACT PERSON Same		PHONE (619) 280-3650
	ADDRESS P.O. Box 20534 San Diego CA 92120				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Contractor's Yard		OPERATOR Sapper Construction		PHONE (619) 280-3650
	ADDRESS 5927 Mission Gorge Rd. San Diego CA 92120				
	CROSS STREET Mission Gorge Place		TYPE OF AREA <input checked="" type="checkbox"/> COMMERCIAL <input checked="" type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER		
IMPLEMENTING AGENCIES	LOCAL AGENCY HMMD San Diego		CONTACT PERSON Daryl Fowler		PHONE (619) 338-2222
	REGIONAL BOARD RWQCB, San Diego		PHONE (619) 265-5114		
SUBSTANCES INVOLVED	(1) NAME Diesel Fuel		QUANTITY LOST (GALLONS) 2 <input type="checkbox"/> UNKNOWN		
	(2)		<input type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED M 5 D 16 Y 8		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS		
	DATE DISCHARGE BEGAN M M D D Y Y <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE M 4 D 10 Y 8				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input checked="" type="checkbox"/> OTHER		TANKS ONLY/CAPACITY 6000 GAL. AGE 10 YRS <input type="checkbox"/> UNKNOWN		MATERIAL <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER
			CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> SPILL <input type="checkbox"/> OTHER		
CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input checked="" type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES				
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT)				
COMMENTS	Upon tank removal, stained soil was observed on side of ditch approximate 3' B.S.G. Tank & piping inspection showed both in good condition. Further investigation showed that discharge was caused by occasional spillage from an above ground diesel tank at that location. All contaminated soil has been excavated (approx. 1/2 cy); will be disposed in approved manner.				

INSTRUCTIONS

EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety Code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY

Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY

Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION

Enter information regarding the tank facility and surrounding area. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES

Enter names of the Local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED

Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

Indicate source(s) of leak. Provide details on tank age, capacity and material if known. Check box(es) indicating cause of leak.

CASE TYPE

Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS

Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION

Indicate which actions have been used to cleanup or remediate the leak. Descriptions of options follow:

- Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
- Containment Barrier - install vertical dike to block horizontal movement of contaminant.
- Excavate and Dispose - remove contaminated soil and dispose in approved site.
- Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
- Remove Free Product - remove floating product from water table.
- Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
- Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
- Replace Supply - provide alternative water supply to affected parties.
- Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
- No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies in tact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Water Quality, Underground Tank Program, P. O. Box 100, Sacramento, CA 95801
3. Regional Water Quality Control Board
4. County Board of Supervisors or designee to receive Proposition 65 notifications.
5. Owner/responsible party.



SAPPER CONSTRUCTION CO.
ENGINEERING CONTRACTORS

SITE ASSESSMENT REPORT

A. SITE IDENTIFICATION

Address: 5927 Mission Gorge Rd. San Diego, CA 92120
Company: Sapper Construction Co.
Assessors No.: 461-320-8
HHMD Case No.: H29213 AT1587
Property Owner: Eugene H. Sapper,
P.O. Box 20534, San Diego, CA 92120
Tank owner: Sapper Construction Co.,
P.O. Box 20534, San Diego, CA 92120
Tank operator: same
Contact person: Eugene H. Sapper
Responsible person: same

B. SITE HISTORY, DEVELOPMENT, USAGE

For 35 years, the site was used as a Contractor's storage yard. Truck and equipment maintenance was done there. An underground gasoline tank was installed in 1979. There was also an above ground 700 gal. diesel fuel tank.

Currently the site is unoccupied (in escrow).

Buyer intends to use the site as a Contractor's Storage Yard.

The site is surrounded on three sides by a Mechanical Contractor's storage and fabrication yard. The fourth side is a reinforcing steel fabricating facility.

C. DESCRIPTION OF RELEASE

HSC05 enclosed. The release was noticed during the removal of a 6000 gal. gasoline tank. Tests taken under the tank showed no release. The tank and piping were in good condition. However some soil discoloration was noted on the side of the excavation. A test revealed that the soil at that location was contaminated.



Post Office Box 20534, San Diego, California 92120 / Telephone (619) 280-3650

C. DESCRIPTION OF RELEASE

Upon removal of a concrete slab on top of the contaminated area, a site investigation showed that the release was caused by occasional spillage from the discharge hose on a 700 gal. diesel tank. The overhead tank was placed on the concrete slab. The fuel apparently flowed into the soil from the slab. The fuel was contained within approximately 4 in. from the surface by the hardpan on which the slab was placed. The area contaminated is approximately 2 ft. wide and 8 ft. long. At one spot approximately 18 in. square, the fuel seeped into the soil to approximately 4.5 ft. below the surface. Except for diesel fuel, there were no other substances involved. It is difficult to estimate the amount of spill, but from the appearance of the soil it seems that the total amount is less than 5 gals. The location of the spill is shown in enclosed sketch.

E. GEOLOGY

Existing soil is well cemented conglomerate with occasional clay lenses. Undisturbed soil is very hard to dig by hand. Backfill for the tank was a combination of broken up native conglomerate and imported sand.

F. HYDROLOGY

No groundwater was observed.

G. EXPOSURE CONCERNS

The contamination was contained in a small area. There is no impact on biological receptors, no potential nuisance nor risk.

H. STOCKPILED SOIL MANAGEMENT

All contaminated soil was excavated by hand and stockpiled on visqueen. A total of approximately 2 cys of soil were excavated to assure removal of all contaminated soil. Soil will be packed and shipped to approved disposal site when remedial work is completed.

**SITE ASSESSMENT REPORT
SAPPER CONSTRUCTION CO.
JUNE 14, 1989
PAGE THREE**

I. SAMPLING

To insure complete removal of contaminated soil, samples were taken as follows:

Sample No.	Location
4	1' BSG under slab
5	2.5' BSG on vertical side of hand excavation.
6	4.5' BSG on bottom of hand excavation.

The samples were sealed, packed in ice and taken to the laboratory for testing. Tests performed were: TPH on every sample, BTX&E, Organic Lead and Flashpoint on sample with greatest TPH. results are being forwarded directly to HMMD by QA Labs.

J. SITE SAFETY

The site is fenced with a locked gate. Contaminated soil is covered while awaiting disposal.

K. SUMMARY

Horizontal extent of contamination is 16 sf. a vertical plume is 4 sf. and 4.5' deep.
There is no water contamination.
There is no offsite migration.
Total cost expended to date is \$9750.00
All contaminated soil has been removed. Will be shipped to approved disposal site within 10 days.

L. CONCLUSIONS AND RECOMMENDATIONS

If all tests prove that all contaminated material has been removed, no further action is necessary.

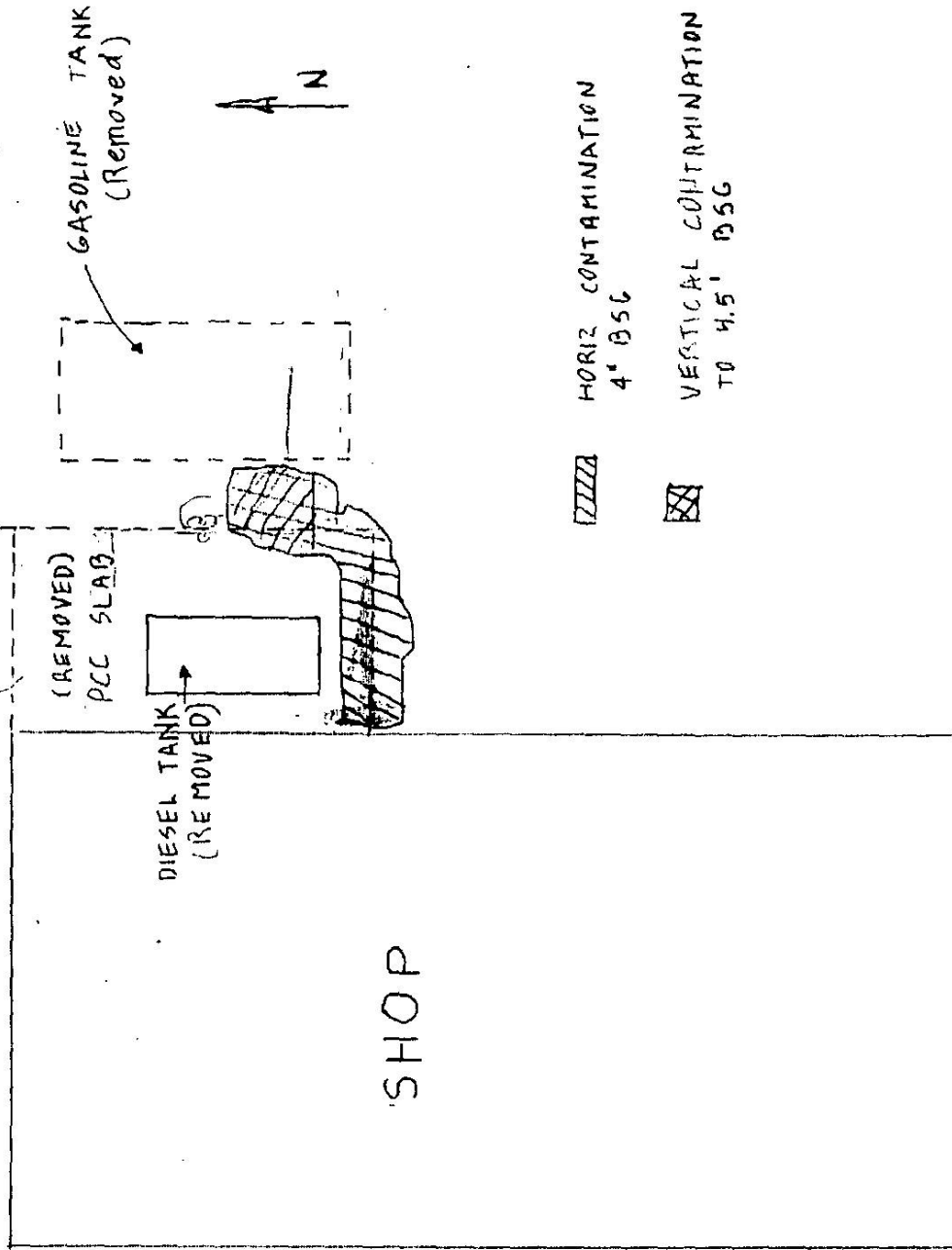
Respectfully submitted,

SAPPER CONSTRUCTION CO.



E. H. Sapper RCE 11075

June 14, 1989



HORIZ CONTAMINATION
4' B5G

VERTICAL CONTAMINATION
TO 4.5' B5G

PROP LINE

~~URGENT~~

PROJECT NAME/NUMBER: AT 1587

Q.A. LOG NUMBER:

7098

TO 7100-89

89 JUN 13

PHONE #:

RELINQUISHED BY

DATE/TIME

RECEIVED BM

RELINQUISHED BY

6-13-89 10:45a

DATE/TIME

RECEIVED BY

RELINQUISHED BY

DATE/TIME

RECEIVED BY

MAIL TO

REPORT WAIVER OPTION

DATE: 6/13/84
CONTACT PERSON:
PROJECT NAME/NUMBER:
SAMPLE IDENTIFICATIONS:

_____ requests that Quality Assurance Laboratory **NOT** send the results directly to the San Diego County Department of Health Services, Hazardous Materials Management Division. _____ assumes the responsibility to notify the San Diego County HMMD of their sample results and accepts all consequences resulting from this action.

OR

Yes, Super Construction requests that Quality Assurance Laboratory send a report directly to the San Diego County Department of Health Services, Hazardous Materials Management Division.

Company Representative

Quality Assurance Laboratory Representative

☐ MINUTES OF MEETING

☒ TELEPHONE CONVERSATION

DATE 6/22/89 TIME 0830 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. () 792-7588

☒ PERSON CALLING/CALLED Gene Sappin

☐ AGENCY REPRESENTED Sappin Construction

CONVERSATION*/MINUTES _____

I explained to Mr. Sappin that the data presented in his Site Assessment report, dated June 14, 1989 satisfies the requirements for site clean-up.

I explained that he need to dispose the stockpile soil as hazardous. The file will not be completely closed until he submit a haz waste manifest as proof of disposal.

Mr. Sappin explained that he will arrange the disposal of that soil.

NAME _____ SIGNED Harry J. Forder

AGENCY - S.D. COUNTY DEPARTMENT OF HEALTH SERVICES; DIVISION OF ENVIRONMENTAL HEALTH

* A sign-in sheet should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

☐ MINUTES OF MEETING

☒ TELEPHONE CONVERSATION

DATE 6/24/89 TIME 1040 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. () 566-1060

☒ PERSON CALLING/CALLED Peter Shen

☐ AGENCY REPRESENTED Quality Assurance Lab

CONVERSATION*/MINUTES _____

Mr. Shen was returning my call to him regarding the explanation for statement re complete on lab results dated June 14, 1989

Mr. Shen explained that the test results submitted to Mr. Sapper was not a complete analysis as requested by Mr. Sapper. The only remain result that need to be submitted to Mr. Sapper was the results regarding bacteria analysis.

NAME _____ SIGNED [Signature]

AGENCY - S.D. COUNTY DEPARTMENT OF HEALTH SERVICES; DIVISION OF ENVIRONMENTAL HEALTH

* A sign-in sheet should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

☒ MINUTES OF MEETING

☐ TELEPHONE CONVERSATION

DATE 6/21/89 TIME 1130 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. () 265-5114

☒ PERSON CALLING/CALLED Jim Munch, RWQCB

☐ AGENCY REPRESENTED _____

CONVERSATION*/MINUTES _____

We discussed Sappu Construction located at
5927 Mission Hodge Rd San Diego

Mr. Munch explained that this facility is located
in a beneficial use groundwater area. The clean up
level is 100 mg/kg TPH in soil and drinking water
standards in gw.

The data submitted by Mr. Gene Sappu in the Site Assessment
report dated June 14, 1989 satisfies the clean-up criteria
established by RWQCB.

Mr. Munch and I agree that no further assessment or
remediation is required at this time

NAME _____ SIGNED Barry Foster

AGENCY - S.D. COUNTY DEPARTMENT OF HEALTH SERVICES; DIVISION OF ENVIRONMENTAL
HEALTH

* A sign-in sheet should be passed around at the beginning of the meeting,
allowing all representatives to sign their name, list the agency they are
representing and telephone number.

287
277
10

2812
277
14

6/15/89

79277 HQ

1500/1580

Sapper Co. - 79287

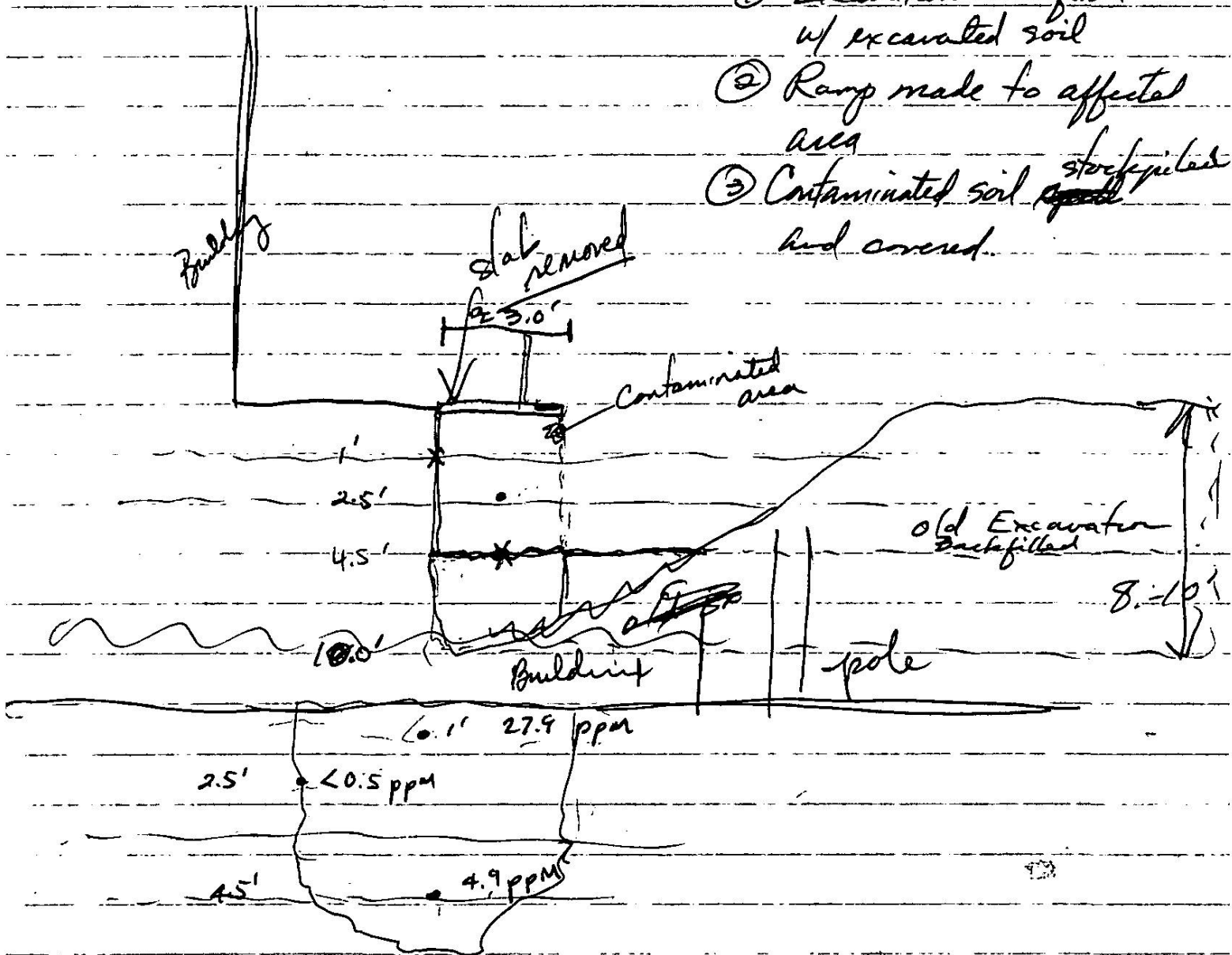
1520-1550

Name 79293

① Excavation backfilled w/ excavated soil

② Ramp made to affected area

③ Contaminated soil stockpiled and covered.



6/26/89

I need to confirm

the volume of soil removed from site?

The manifest did not specify the

① Number of drums removed?

② Quantity of soil removed?

Mr. Sappas feels that 10 drums of contaminated
soil was removed as hazardous.



Sapper Construction • 6/16/89
Stockpile soil & Excavation



Sapper Construction 6/16/89



Sapper Construction • 6/16/89
Excavation

CHECK APPROPRIATE BOX:

☐

MINUTES OF MEETING

☒

TELEPHONE CONVERSATION

DATE 6/8/89 TIME 10:5 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. () 280-3650

☒

PERSON CALLING/CALLED

Bene Sapper

☐

AGENCY REPRESENTED

Sapper Construction

CONVERSATION*/MINUTES _____

I called Mr. Sapper to inform him that contamination ~~was~~ was detected around the area of the piping. Mr. Sapper wanted to know what he had to do. I informed Mr. Sapper that we recommended defining the extent of contamination before removal. But if he ~~did~~ decide to remove the contaminated soil first that he could go that route. He would have to take samples to verify remediation and to show that the rest of the excavation had not been impacted.

Mr. Sapper said he would come pick-up the paper initial notice. I told him after reading over the information, he could call me to discuss the case.

NAME _____

SIGNED

J. Ford

AGENCY - S.D. COUNTY DEPARTMENT OF HEALTH SERVICES; DIVISION OF ENVIRONMENTAL HEALTH

* A sign-in sheet should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.



County of San Diego

J. WILLIAM COX, M.D., Ph.D.
DIRECTOR
(619) 236-2227

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P O BOX 85261
SAN DIEGO CA 92138-5261
(619) 236-2222

OFFICIAL NOTICE

June 8, 1989

Mr. Sapper

Sapper Construction

P.O. Box 20534

San Diego, CA 92120

RE: UNAUTHORIZED RELEASE AT 1401 / H 29213-001
5927 Mission Gorge Rd San Diego, CA

Dear Mr. Sapper:

Information provided to this Department by Laboratory analysis indicates that the underground hazardous substance storage facility at the location referenced above has experienced an Unauthorized Release (leak).

The conditions created by the Unauthorized Release must be reported and corrected in accordance with Sections 25295 and 25297 of Chapter 6.7 of the California Health and Safety Code (H&SC) and Section 2652, Subchapter 16, Chapter 3, Title 23 of the California Administrative Code (CAC), and Chapter 6.5 of the H&SC and Title 22 of the CAC.

As the owner/operator of the underground storage tank, it is your responsibility to:

1. Take immediate action to prevent further unauthorized release;
2. Determine the extent and impact of the unauthorized release;
3. Submit a written Unauthorized Release Report to this Department within five work-days of receipt of this Notice;
4. Complete and distribute within five workdays the enclosed State Water Resources Control Board's "Underground Storage Tank Unauthorized Release (Leak) Contamination Site Report";
5. Submit supplemental report as required to update the initial report; and,
6. Complete any site mitigation (cleanup) required.

The Unauthorized Release Report must address all six Elements listed on the reverse side of this Official Notice, to the extent of the best information known at this time. Additional information and responsibilities are also listed. Please note Item 6 concerning responsibility for payment for staff time expended on the investigation.

Subsequent site characterization and mitigation actions will be determined upon evaluation of the written report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies.

Please call me at (619) 236-2222 if you have any questions regarding this Official Notice.

Sincerely,

Samuel J. Fowler
Hazardous Materials Specialist

Enclosure

cc: RWQCB

STATE

Each of the following must be addressed in the Unauthorized Release Report (CAC, Title 23, Chapter 3, Subchapter 16, Section 2652):

1. Describe the type, quantity and concentration of the hazardous substance released.
2. Describe the extent of the soil, groundwater, and/or surface water contamination due to the release based on the results of all investigations completed at the time the report is submitted.
3. Describe the method of clean-up implemented to date, proposed clean-up actions, and approximate costs of actions taken to date.
4. Indicate the method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water. (If any contaminated soil or water is removed from the site, include copies of the hazardous waste manifests).
5. Describe the proposed method of repair or replacement of the underground tank/piping.
6. Include the tank operator's name and telephone number, the name and telephone number of any consultants retained, and a projection of proposed activity schedule.

NOTE: The completed SWRCB Form (enclosed) with appropriately detailed "comments" will usually suffice as meeting the requirements for the initial Unauthorized Release Report. You must distribute the completed form to all agencies as specified on the back of the form.

ADDITIONAL INFORMATION/RESPONSIBILITIES

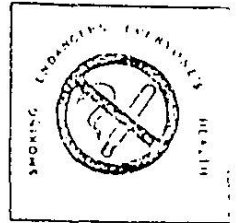
- A. Notify the local Fire Department immediately whenever a fire hazard or explosion hazard is present.
- B. Notify the Regional Water Quality Control Board at (619) 265-5114 within 24 hours regarding this Unauthorized Release.
- C. Cease the unauthorized release immediately by removing the hazardous substance from the system's leaking component(s), as necessary. Give careful consideration to proper tank ballast in areas of high groundwater. Ballast should be inert and compatible with tank residues (i.e., water).
- D. Maintain the site in a safe and secure manner. The excavation, if any, may be back-filled in the interim for safety until site decontamination activities commence.
- E. Obtain necessary permits for repair or removal of the underground tanks/piping from this Department, and other agencies, as appropriate.
- F. Issuance of a permit to install new tanks at a site does not imply that any unauthorized release at the site has been mitigated to the satisfaction of this Department or any other regulatory agency.
- G. Whereas the Legislature has appropriated funds from the California Hazardous Substance Cleanup Fund to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the direct and indirect costs of overseeing removal or remedial action at the above site are funded, in whole or in part, from the Hazardous Substance Cleanup Fund; and Whereas the above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site; YOU ARE HEREBY NOTIFIED that pursuant to Section 25360 of the Health and Safety Code, the above Responsible Party or Parties shall reimburse the State Water Resources Control Board for all direct and indirect costs incurred by any and all state and local agencies while overseeing the cleanup of the above underground storage tank site, and the above Responsible Party or Parties shall make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.



COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES

1700 Pacific Highway, San Diego, CA 92101



DIVISION OF ENVIRONMENTAL HEALTH PROTECTION
HAZARDOUS MATERIALS MANAGEMENT UNIT
(619) 236-2222

DATE: 6/8/89

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region
FROM: Hazardous Materials Management Unit (HMMU)
SUBJECT: UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE
TANK TE 1401 / H29213-001

Evidence of an unauthorized release of a hazardous material has been noted by HMMU staff at the site described below:

Site Address	<u>5927 Mission Gorge Rd.</u>	<u>San Diego</u>	<u>92120</u>
	Street	City	Zip Code
Property Owner	<u>Sagers Construction</u>		
	Name		
	<u>P.O. Box 20534</u>	<u>San Diego</u>	<u>92120</u>
	Street	City	Zip Code
	Telephone <u>(619) 280-3650</u>		
Tank Operator	<u>Sagers Construction</u>	<u>280-3650</u>	
	Name	Telephone	

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s) Leaking tank system
Amount Released ml (Gallons) ml (Time Period)

Release Detected By:

<input type="checkbox"/> Routine Tank Testing	<input checked="" type="checkbox"/> Evidence of Soil Contamination
<input type="checkbox"/> Test of Piping	<input type="checkbox"/> Detected During Tank Removal
<input type="checkbox"/> Inventory Audit	<input type="checkbox"/> Evidence of Leaky Tank Detected
<input type="checkbox"/> Monitoring Device/Well	<input type="checkbox"/> During Tank Removal
	<input type="checkbox"/> Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). 6000 gallon tank gasoline - Steel

Date Release Reported to or Detected by HMMU 5/16/89
Contact With Other Agencies _____
Additional Comments: _____

Please call the HMMU at 236-2222 if you have questions or comments regarding the above.

HMMU Staff L. Fowler

CHECK APPROPRIATE BOX:

☐

MINUTES OF MEETING

☒

TELEPHONE CONVERSATION

DATE 6/7/89 TIME 0820 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. () 280-3650

☒

PERSON CALLING/CALLED

David Sappur

☐

AGENCY REPRESENTED

Sappur Construction

CONVERSATION*/MINUTES _____

Gene Sappur was not available. David Sappur explained that he was not involved in this with this site. He will have Gene Sappur return my call.

NAME _____

SIGNED

[Signature]

AGENCY - S.D. COUNTY DEPARTMENT OF HEALTH SERVICES; DIVISION OF ENVIRONMENTAL HEALTH

* A sign-in sheet should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

☐ MINUTES OF MEETING

☒ TELEPHONE CONVERSATION

DATE 6/7/89 TIME 08:15 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. () 455-1515

☒ PERSON CALLING/CALLED Jim Stuart

☐ AGENCY REPRESENTED ILiff Thorne and Company

CONVERSATION*/MINUTES _____

I explained to Mr. Stuart that the lab results indicate contamination associated in the area of the piping. Mr. Stuart request information regarding the next phase. I told Mr. Stuart that i will send out Mr. Sapper the initial site assessment forms for perform a site assessment.

Mr. Stuart wanted to know how long this is going to take. He explained that it depend on the outcome of the site assessment.

Mr. Stuart wanted copies of the site assessment checklist, a copy of handout and a list of Consultants.

NAME _____ SIGNED Harry/ Fowler

AGENCY - S.D. COUNTY DEPARTMENT OF HEALTH SERVICES; DIVISION OF ENVIRONMENTAL HEALTH

* A sign-in sheet should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

September 7, 1988

COMPARATIVE STUDY OF ANALYTICAL RESULTS
TRULY MOLEN FACILITY
5909 MISSION GORGE ROAD
SAN DIEGO, CALIFORNIA



HARGIS+ASSOCIATES, INC.
Consultants in Hydrogeology

Tucson/Phoenix/San Diego



HARGIS + ASSOCIATES, INC.

COMPARATIVE STUDY OF ANALYTICAL RESULTS
TRULY NOLEN FACILITY
5909 MISSION GORGE ROAD
SAN DIEGO, CALIFORNIA

1.0 INTRODUCTION

Soil and groundwater assessments have been performed at the Truly Nolen facility (the Facility) located at 5909 Mission Gorge Road. Preliminary work was performed by the California Regional Water Quality Control Board (RWQCB) in March 1986, January and February 1987, the San Diego County Department of Health Services (SDCDHS) in March 1987, and Lipsey and Associates (L&A) in February and March 1987. A detailed soil and groundwater assessment has been performed by Hargis + Associates, Inc. (H+A) from August 1987 to the preparation of this study.

Soil samples have been collected at the Facility and have been analyzed by four different laboratories. Water samples collected from the abandoned hand-dug well have been analyzed by three different laboratories.

RWQCB staff have expressed concern regarding apparent discrepancies between analytical results from the laboratory used by H+A and the laboratories used by the RWQCB and the SDCDHS. The laboratory used by H+A is Analytical Technology, Inc. (ATI) San Diego, California. The laboratories used by the RWQCB and SDCDHS are Multi-Tech Laboratories, Inc., Santa Rosa, California and S-Cubed Laboratory, San Diego, California, respectively.

A comparative study was conducted to resolve the apparent discrepancies in analytical results. Water and soil samples collected by H+A were split and analyzed by S-Cubed Laboratory and ATI to provide analytical data for comparison.

This report summarizes and compares the analytical results obtained from the laboratories and addresses the following subjects:

- .. Background and objectives.
- .. Sampling procedures.
- .. Pesticide check samples.
- .. Chain-of-custody documentation.
- .. Discussion of laboratory analytical methods.
- .. Analytical results.
- .. Discussion, conclusions, and recommendations.

1.1. BACKGROUND

The RMQCB, the SDCDHS, and L&A previously collected soil and water samples at the Truly Molen facility. H+A has performed soil and groundwater assessments (Hargis + Associates, Inc., 1987, 1988a, 1988b).

The RMQCB sampled surface soils in March 1986 and in January and February 1987. These soil samples were analyzed by Multi-Tech Laboratories, Inc.

L&A sampled surface soils in February 1987. In March 1987, L&A again sampled surface and subsurface soils, and water from the abandoned hand-dug well. These samples were analyzed by Kenco Consultants, Jacksonville, Florida.

The SDCDHS sampled surface and subsurface soils at the Facility and water from the abandoned hand-dug well in March 1987. These samples were analyzed by S-Cubed.

H+A sampled subsurface soils from 10 soil borings and collected water samples from the abandoned hand-dug well AW-1 in August 1987. In addition, H+A has constructed 12 monitor wells in three different hydrogeologic units



to assess the vertical and lateral extent of potential groundwater contamination. Soil and water samples collected by H.A were analyzed by ATI.

1.1.1. ATI Analytical Results

Based on analysis of subsurface soil samples by ATI, it appears that chlordane, dieldrin, and aldrin are the target compounds found in the soils (Table 1). Malathion, endrin ketone, 4,4'-DDE, and 4,4'-DDT were each detected once at concentrations less than 0.3 mg/kg

Based on the analytical results of groundwater samples collected from monitor wells, dieldrin, aldrin, and chlordane are present in the groundwater (Table 2). Carbaryl, neburon, and m-chloro-isopropyl ester (CIPC) were also detected by ATI in groundwater samples collected from the abandoned well AW-1 (Table 2).

1.1.2. Other Analytical Results

Based on the analytical results of soil samples analyzed by Multi-Tech, Kenco, and S-Cubed, it appears that chlordane, aldrin and dieldrin are the target compounds found in the soils (Table 3). Other compounds detected include heptachlor, lindane, 4,4'-DDD, 4,4'-DDE, diazinon, endrin ketone, 2,4,5-TP, malathion, ethyl parathion, carbaryl, diuron, disulfoton, monuron, neburon, carbofuran, oxamyl, IPC, CIPC, linuron, bromacil, and chloropropham. Twenty-three of 31 soil samples analyzed by these three labs were surface samples.

Aldrin, dieldrin, chlordane, and lindane were detected in a water sample collected from abandoned well AW-1 and analyzed by S-Cubed (Table 4).
Aldrin, dieldrin, chlordane, and heptachlor were detected in a water sample collected from abandoned well AW-1 and analyzed by Kenco.

TABLE A-5 - continued
LITHOLOGIC LOG OF MONITOR WELL MW-F3

DEPTH INTERVAL (FEET BELOW LAND SURFACE)		GROUP SYMBOL*	DESCRIPTION OF MATERIAL
25.5-41	CLAYEY SAND	SC	<p>Brown, 10YR 5/3, plastic, dense; sand, fine.</p> <p>At 27-30, color change, pinkish gray, 7.5YR 6/2.</p> <p>At 30-37, color change, reddish brown, 2.5YR 5/4.</p> <p>At 37-39, color change, pinkish gray, 7.5YR 6/2.</p> <p>At 39-40, color change, brown 10YR 5/3.</p> <p>At 40-41, color change, pinkish gray, 7.5YR 6/2.</p>
41-44	CLAYEY SAND	SC	Light brownish gray, 10YR 6/2, slightly plastic, dense; sand, fine to medium, some coarse.
44-50	CLAYEY SAND	SC	Pale brown, 10YR 6/3, slightly plastic, dense; sand, fine.
50-51	CLAYEY SAND	SC	Olive gray, 5Y 5/6, slightly plastic, dense; sand, fine to medium.
51-51.5	CLAYEY GRAVELLY SAND	GC	Light brownish gray, 2.5Y 6/2, slightly plastic, dense; sand, fine to medium.

TOTAL DEPTH OF BOREHOLE: 51.5 Feet



GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 90501404

TEST : ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

CLIENT : HARGIS & ASSOC.-LA JOLLA
 PROJECT # : 234
 PROJECT NAME : TRULY NOLEN
 CLIENT I.D. : SOIL 4
 SAMPLE MATRIX : SOIL

DATE SAMPLED : 05/03/00
 DATE RECEIVED : 05/03/00
 DATE EXTRACTED : 05/05/00
 DATE ANALYZED : 05/15/00
 UNITS : NG/KG
 DILUTION FACTOR : 1

COMPOUNDS	RESULTS
ALDRIN	0.03
ALPHA - BHC	<0.005
BETA - BHC	<0.005
GAMMA - BHC	<0.005
DELTA - BHC	<0.005
CHLORDANE	0.09
4,4'-DDD	<0.01
4,4'-DDE	<0.01
4,4'-DDT	0.13
DIELDRIN	<0.005
ENDOSULFAN I	<0.01
ENDOSULFAN II	<0.01
ENDOSULFAN SULFATE	<0.01
ENDRIN	<0.01
ENDRIN ALDEHYDE	<0.01
ENDRIN KETONE	<0.005
HEPTACHLOR	<0.005
HEPTACHLOR EPOXIDE	<0.05
METHOXYCHLOR	<0.1
TOXAPHENE	<0.05
AROCLOR 1016	<0.05
AROCLOR 1221	<0.05
AROCLOR 1232	<0.05
AROCLOR 1242	<0.05
AROCLOR 1248	<0.05
AROCLOR 1254	<0.05
AROCLOR 1260	<0.05

SURROGATE PERCENT RECOVERIES

71

DBC (%)

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80501403

TEST : ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

CLIENT : MARGIS & ASSOC.-LA JOLLA
PROJECT # : 234
PROJECT NAME : TRULY NOLEN
CLIENT I.D. : SOIL 7
SAMPLE MATRIX : SOIL

DATE SAMPLED : 05/03/88
DATE RECEIVED : 05/03/88
DATE EXTRACTED : 05/05/88
DATE ANALYZED : 05/18/88
UNITS : NG/KG
DILUTION FACTOR : 100

COMPOUNDS	RESULTS
ALDRIN	<0.50
ALPHA - BHC	<0.50
BETA - BHC	<0.50
GAMMA - BHC	<0.50
DELTA - BHC	<0.50
CHLORDANE	12
4,4'-DDD	<1.0
4,4'-DDE	<1.0
4,4'-DDT	<1.0
DIELDRIN	2.3
ENDOSULFAN I	<0.50
ENDOSULFAN II	<1.0
ENDOSULFAN SULFATE	<1.0
ENDRIN	<1.0
ENDRIN ALDEHYDE	<1.0
ENDRIN KETONE	<1.0
HEPTACHLOR	<0.50
HEPTACHLOR EPOXIDE	<0.50
METHOXYCHLOR	<5.0
TOXAPHENE	<10
AROCLOR 1016	<5.0
AROCLOR 1221	<5.0
AROCLOR 1232	<5.0
AROCLOR 1242	<5.0
AROCLOR 1248	<5.0
AROCLOR 1254	<5.0
AROCLOR 1260	<5.0

SURROGATE PERCENT RECOVERIES

DBC (%)

**

** Due to the necessary dilution of the sample, result was not attainable



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80501402

TEST : ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

CLIENT : MARGIS & ASSOC.-LA JOLLA
PROJECT # : 234
PROJECT NAME : TRULY MOLEN
CLIENT I.D. : SOIL 6
SAMPLE MATRIX : SOIL

DATE SAMPLED : 05/03/88
DATE RECEIVED : 05/03/88
DATE EXTRACTED : 05/05/88
DATE ANALYZED : 05/15/88
UNITS : MG/KG
DILUTION FACTOR : 100

COMPOUNDS	RESULTS
ALDRIN	2.7
ALPHA - BHC	<0.50
BETA - BHC	<0.50
GAMMA - BHC	<0.50
DELTA - BHC	<0.50
CHLORDANE	13
4,4'-DDD	<1.0
1,4'-DDE	<1.0
1,4'-DDT	<1.0
DIELDRIN	2.0
ENDOSULFAN I	<0.50
ENDOSULFAN II	<1.0
ENDOSULFAN SULFATE	<1.0
ENDRIN	<1.0
ENDRIN ALDEHYDE	<1.0
ENDRIN KETONE	<1.0
HEPTACHLOR	<0.50
HEPTACHLOR EPOXIDE	<0.50
METHOXYCHLOR	<5.0
TOXAPHENE	<10
AROCLOR 1016	<5.0
AROCLOR 1221	<5.0
AROCLOR 1232	<5.0
AROCLOR 1242	<5.0
AROCLOR 1248	<5.0
AROCLOR 1254	<5.0
AROCLOR 1260	<5.0

SURROGATE PERCENT RECOVERIES

DBC (%)

**

** Due to the necessary dilution of the sample, result was not attainable



GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80501401

TEST : ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

CLIENT : MARGIS & ASSOC.-LA JOLLA
PROJECT # : 234
PROJECT NAME : TRULY NOLEN
CLIENT I.D. : SOIL 1
SAMPLE MATRIX : SOIL

DATE SAMPLED : 05/03/88
DATE RECEIVED : 05/03/88
DATE EXTRACTED : 05/05/88
DATE ANALYZED : 05/16/88
UNITS : MG/KG
DILUTION FACTOR : 10000

COMPOUNDS	RESULTS
ALDRIN	1200
ALPHA - BHC	<50
BETA - BHC	<50
GAMMA - BHC	<50
DELTA - BHC	<50
CHLORDANE	780
4,4'-DDD	<100
4,4'-DDE	<100
4,4'-DDT	<100
DIELDRIN	190
ENDOSULFAN I	<50
ENDOSULFAN II	<100
ENDOSULFAN SULFATE	<100
ENDRIN	<100
ENDRIN ALDEHYDE	<100
ENDRIN KETONE	<100
HEPTACHLOR	<50
HEPTACHLOR EPOXIDE	<50
METHOXYCHLOR	<500
TOXAPHENE	<1000
AROCLOR 1016	<500
AROCLOR 1221	<500
AROCLOR 1232	<500
AROCLOR 1242	<500
AROCLOR 1248	<500
AROCLOR 1254	<500
AROCLOR 1260	<500

SURROGATE PERCENT RECOVERIES

DBC (%)

**

** Due to the necessary dilution of the sample, result was not attainable

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80309413

TEST : ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 608)

CLIENT : HARGIS & ASSOC.-LA JOLLA
 PROJECT # : 234
 PROJECT NAME : TRULY NOLEN
 CLIENT I.D. : MW-F6
 SAMPLE MATRIX : WATER

DATE SAMPLED : 03/08/88
 DATE RECEIVED : 03/09/88
 DATE EXTRACTED : 03/10/88
 DATE ANALYZED : 03/22/88
 UNITS : UG/L
 DILUTION FACTOR : 5

COMPOUNDS	RESULTS
LDRIN	4.3
ALPHA BHC	2.1
BETA BHC	3.5
GAMMA BHC (LINDANE)	2.4
DELTA BHC	<0.25
CHLORDANE	12
4,4'-DDD	2.6
4,4'-DDE	6.9
4,4'-DDT	3.7
DIELDRIN	-*
ENDOSULFAN I	4.3
ENDOSULFAN II	4.1
ENDOSULFAN SULFATE	<0.5
ENDRIN	2.1
ENDRIN ALDEHYDE	<0.5
HEPTACHLOR	2.2
HEPTACHLOR EPOXIDE	2.3
METHOXYCHLOR	<2.5
TOXAPHENE	<5.0
AROCLOR 1016	<2.5
AROCLOR 1221	<2.5
AROCLOR 1232	<2.5
AROCLOR 1242	<2.5
AROCLOR 1248	<2.5
AROCLOR 1254	<5.0
AROCLOR 1260	<5.0

SURROGATE PERCENT RECOVERIES

DBC (%) 95

* Coelution with 4,4'-DDE



GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 88309411

TEST : ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 608)

CLIENT : MARGIS & ASSOC.-LA JOLLA
PROJECT # : 234
PROJECT NAME : TRULY NOLEN
CLIENT I.D. : MW-2
SAMPLE MATRIX : WATER

DATE SAMPLED : 03/07/88
DATE RECEIVED : 03/09/88
DATE EXTRACTED : 03/10/88
DATE ANALYZED : 03/22/88
UNITS : UG/L
DILUTION FACTOR : 1

COMPOUNDS	RESULTS
ALDRIN	<0.05
ALPHA BHC	<0.05
BETA BHC	<0.05
GAMMA BHC (LINDANE)	<0.05
DELTA BHC	<0.05
CHLORDANE	TR <0.5
4,4'-DDD	<0.1
4,4'-DDE	<0.1
4,4'-DDT	<0.1
DIELDRIN	0.18
ENDOSULFAN I	<0.05
ENDOSULFAN II	<0.1
ENDOSULFAN SULFATE	<0.1
ENDRIN	<0.1
ENDRIN ALDEHYDE	<0.1
HEPTACHLOR	<0.05
HEPTACHLOR EPOXIDE	<0.05
METHOXYCHLOR	<0.5
TOKAPHENE	<1.0
AROCLOR 1016	<0.5
AROCLOR 1221	<0.5
AROCLOR 1232	<0.5
AROCLOR 1242	<0.5
AROCLOR 1248	<0.5
AROCLOR 1254	<1.0
AROCLOR 1260	<1.0

SURROGATE PERCENT RECOVERIES

DBC (%)

85

TR - Compound detected at an unquantifiable trace level



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80389438

TEST : ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 608)

CLIENT : HARGIS & ASSOC.-LA JOLLA
PROJECT # : 234
PROJECT NAME : TRULY NOLEN
CLIENT I.D. : AW-1BP
SAMPLE MATRIX : WATER

DATE SAMPLED : 03/10/88
DATE RECEIVED : 03/10/88
DATE EXTRACTED : 03/10/88
DATE ANALYZED : 03/12/88
UNITS : UG/L
DILUTION FACTOR : 1

COMPOUNDS	RESULTS
ALDRIN	0.07
ALPHA BHC	<0.05
BETA BHC	<0.05
GAMMA BHC (LINDANE)	<0.05
DELTA BHC	<0.05
CHLORDANE	1.6
4,4'-DDD	<0.1
4,4'-DDE	<0.1
4,4'-DDT	<0.1
DIELDRIN	0.34
ENDOSULFAN I	<0.05
ENDOSULFAN II	<0.1
ENDOSULFAN SULFATE	<0.1
ENDRIN	<0.1
ENDRIN ALDEHYDE	<0.1
HEPTACHLOR	<0.05
HEPTACHLOR EPOXIDE	<0.05
METHOXYCHLOR	<0.5
TOLAPHENE	<1.0
AROCLOR 1016	<0.5
AROCLOR 1221	<0.5
AROCLOR 1232	<0.5
AROCLOR 1242	<0.5
AROCLOR 1248	<0.5
AROCLOR 1254	<1.0
AROCLOR 1260	<1.0

SURROGATE PERCENT RECOVERIES

DBC (%)

84



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00309409

TEST : ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 608)

CLIENT : HARGIS & ASSOC.-LA JOLLA
PROJECT # : 234
PROJECT NAME : TRULY MOLEN
CLIENT I.D. : MW-9
SAMPLE MATRIX : WATER

DATE SAMPLED : 03/07/88
DATE RECEIVED : 03/08/88
DATE EXTRACTED : 03/10/88
DATE ANALYSED : 03/22/88
UNITS : UG/L
DILUTION FACTOR : 1

COMPOUNDS	RESULTS
ALDRIN	<0.05
ALPHA BHC	<0.05
BETA BHC	<0.05
GAMMA BHC (LINDANE)	<0.05
DELTA BHC	<0.05
CHLORDANE	<0.5
4,4'-DDD	<0.1
4,4'-DDE	<0.1
4,4'-DDT	<0.1
DIELDRIN	<0.1
ENDOSULFAN I	<0.05
ENDOSULFAN II	<0.1
ENDOSULFAN SULFATE	<0.1
ENDRIN	<0.1
ENDRIN ALDEHYDE	<0.1
HEPTACHLOR	<0.05
HEPTACHLOR EPOXIDE	<0.05
METHOXYCHLOR	<0.5
TOXAPHENE	<1.0
AROCLOR 1016	<0.5
AROCLOR 1221	<0.5
AROCLOR 1232	<0.5
AROCLOR 1242	<0.5
AROCLOR 1248	<0.5
AROCLOR 1254	<1.0
AROCLOR 1260	<1.0

SURROGATE PERCENT RECOVERIES

DBC (%)

34 *

* Result out of limits due to sample matrix interference



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80309406

TEST : ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 608)

CLIENT : HARGIS & ASSOC.-LA JOLLA
PROJECT # : 234
PROJECT NAME : TRULY NOLEN
CLIENT I.D. : MW-5
SAMPLE MATRIX : WATER

DATE SAMPLED : 03/07/88
DATE RECEIVED : 03/09/88
DATE EXTRACTED : 03/16/88
DATE ANALYZED : 03/22/88
UNITS : UG/L
DILUTION FACTOR : 1

COMPOUNDS	RESULTS
ALDRIN	<0.05
ALPHA BHC	<0.05
BETA BHC	<0.05
GAMMA BHC (LINDANE)	<0.05
DELTA BHC	<0.05
CHLORDANE	<0.5
4,4'-DDD	<0.1
4,4'-DDE	<0.1
4,4'-DDT	<0.1
DIELDRIN	<0.1
ENDOSULFAN I	<0.05
ENDOSULFAN II	<0.1
ENDOSULFAN SULFATE	<0.1
ENDRIN	<0.1
ENDRIN ALDEHYDE	<0.1
HEPTACHLOR	<0.05
HEPTACHLOR EPOXIDE	<0.05
METHOXYCHLOR	<0.5
TOXAPHENE	<1.0
AROCLOR 1016	<0.5
AROCLOR 1221	<0.5
AROCLOR 1232	<0.5
AROCLOR 1242	<0.5
AROCLOR 1248	<0.5
AROCLOR 1254	<1.0
AROCLOR 1260	<1.0

SURROGATE PERCENT RECOVERIES

DBC (%)

38



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80309405

TEST : ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 608)

CLIENT : MARGIS & ASSOC.-LA JOLLA
PROJECT # : 234
PROJECT NAME : TRULY NOLEN
CLIENT I.D. : MW-P2
SAMPLE MATRIX : WATER

DATE SAMPLED : 03/07/88
DATE RECEIVED : 03/09/88
DATE EXTRACTED : 03/10/88
DATE ANALYZED : 03/21/88
UNITS : UG/L
DILUTION FACTOR : 1

COMPOUNDS	RESULTS
ALDRIN	<0.05
ALPHA BHC	<0.05
BETA BHC	<0.05
GAMMA BHC (LINDANE)	<0.05
DELTA BHC	<0.05
CHLORDANE	<0.5
4,4'-DDD	<0.1
4,4'-DDE	<0.1
4,4'-DDT	<0.1
DIELDRIN	<0.1
ENDOSULFAN I	<0.05
ENDOSULFAN II	<0.1
ENDOSULFAN SULFATE	<0.1
ENDRIN	<0.1
ENDRIN ALDEHYDE	<0.1
HEPTACHLOR	<0.05
HEPTACHLOR EPOXIDE	<0.05
METHOXYCFLOLOR	<0.5
TOXAPHENE	<1.0
AROCLOR 1016	<0.5
AROCLOR 1221	<0.5
AROCLOR 1232	<0.5
AROCLOR 1242	<0.5
AROCLOR 1248	<0.5
AROCLOR 1254	<1.0
AROCLOR 1260	<1.0

SURROGATE PERCENT RECOVERIES

DBC (%)

75



Analytical Technologies, Inc.

CLIENT : HARGIS & ASSOC.-LA JOLLA
PROJECT # : 234
PROJECT NAME : TRULY NOLEN
ATI I.D. : 803094

DATE RECEIVED : 03/09/88

REPORT DATE : 03/29/88

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	NW-F5	WATER	03/07/88
02	NW-6	WATER	03/07/88
03	NW-F4	WATER	03/07/88
04	NW-7	WATER	03/07/88
05	NW-F2	WATER	03/07/88
06	NW-5	WATER	03/07/88
07	NW-F3	WATER	03/07/88
08	NW-F101	WATER	03/07/88
09	NW-9	WATER	03/07/88
10	AW-1BP	WATER	03/07/88
11	NW-2	WATER	03/07/88
12	NW-8	WATER	03/08/88
13	NW-F6	WATER	03/08/88
14	NW-F6 FILTERED	WATER	03/08/88

----- TOTALS -----

MATRIX	# SAMPLES
WATER	14

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

MISSION GORGE ROAD

ACCESS ROAD

EXPLANATION

— x — FENCE

SB-1



SOIL SAMPLING BORING

SAMPLES COLLECTED BY
HARGIS & ASSOCIATES, INC.
AND ANALYZED BY
ANALYTICAL TECHNOLOGIES, INC.

SSI



SOIL SAMPLE SPLIT

SAMPLES COLLECTED BY
HARGIS & ASSOCIATES, INC.
AND ANALYZED BY
ANALYTICAL TECHNOLOGIES, INC.
AND S-CUBED.

Composite	D	A	C
1	3.1	<1.0	10
2	7.0	<2.0	50
3	<0.2	<0.10	<1.0
4	<0.05	0.30	<0.25
5	<0.02	0.20	0.11

Approximate Depth
below land surface, feet.

Concentration of
Dieldrin, mg/kg

Concentration of
Chlordane mg/kg

Concentration of
Aldrin mg/kg

(-) = Less than limit of quantitation

(*) = semi quantified

For locations with more than one
sample analyzed, the greatest
concentration of dieldrin, dieldrin,
and chlordane were chosen from the
multiple analyses.

0 20
FEET

FIGURE 4. CONCENTRATION OF DIELDRIN, ALDRIN AND CHLORDANE IN SOIL SAMPLES

MISSION GORGE ROAD

ACCESS ROAD

EXPLANATION

- x — FENCE
- SB-1
□ SOIL SAMPLING BORING
SAMPLES COLLECTED BY
HARGIS + ASSOCIATES, INC.
AND ANALYZED BY
ANALYTICAL TECHNOLOGIES, INC.
- SS1
▲ SOIL SAMPLE SPLIT
SAMPLES COLLECTED BY
HARGIS + ASSOCIATES, INC.
AND ANALYZED BY
ANALYTICAL TECHNOLOGIES, INC.
AND S-CUBED.
- 7-8090
○ SURFACE SOIL SAMPLE
SAMPLES COLLECTED BY
REGIONAL WATER QUALITY CONTROL BOARD
AND ANALYZED BY MULTITECH.
- "BACK CORNER"
○ SURFACE SOIL SAMPLE
SAMPLES COLLECTED BY
LIPSEY + ASSOCIATES.
AND ANALYZED BY KENCO.
- 1061
◇ SOIL SAMPLING LOCATION
SAMPLES COLLECTED BY
SAN DIEGO COUNTY DEPARTMENT OF HEALTH
SERVICES AND ANALYZED BY S-CUBED.

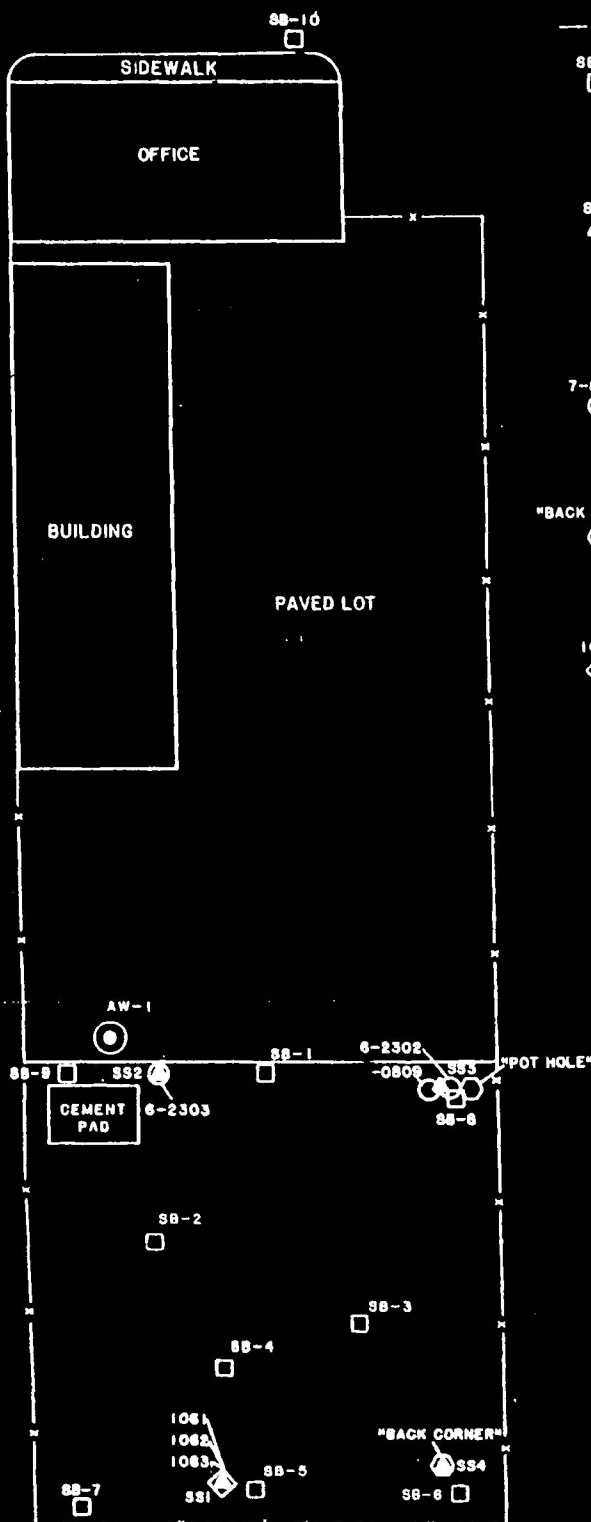


FIGURE 2. LOCATION OF SOIL SAMPLE SPLITS AND SELECTED SOIL SAMPLES

TABLE 22

CONCENTRATION OF ALDRIN, DIELDRIN, AND CHLORDANE
IN SOIL SAMPLES WITH CONFIRMED ANALYTICAL RESULTS

SAMPLE LOCATION	DEPTH (feet below land surface)	(Concentration in milligrams per kilogram) ¹		
		ALDRIN ²	DIELDRIN ²	CHLORDANE ²
	0	1,200	210	780
SS1	0	260	110*	2,200
SS2	0	42	24	180
SS3	0	-0.25	-0.5	11
SS4	0			
	1	3.7	3.2	14
SS1	1	0.36	-0.1	-0.5
SB-4	1	-2.5	8.9	43
SB-5	1	0.99	-2.0	29
SB-6	1	-0.25	-0.5	4.9
SB-7	1	-0.1	0.60	3.3
SB-8	1	-2.5	7.6	59
SB-9	1			
	3	0.20*	3.4	17
SS1	3	0.25	-0.1	-0.5
SB-4	3	-1.0	2.9	-10
SB-5	3			-1,000
SB-6	3	250	-200	0.25
SB-7	3	-0.025	-0.05	-0.05
SB-8	3	-0.005	-0.01	-0.05
SB-9	3	0.14	-0.2	-1.0
	6	0.23	0.57	0.37
SS1	6	0.038	-0.01	-0.05
SB-4	6	0.042	0.16	-0.25
SB-5	6	0.077	0.17	0.092
SB-6	6	-0.005	-0.01	-0.05
SB-7	6	-0.005	-0.01	-0.05
SB-8	6	0.034	-0.05	-0.25
SB-9	6			
	9	5.2	-5	-25
SB-4	9	0.32	0.21	-0.25
SB-5	9	65	-100	-500
SB-6	9	-0.005	-0.01	-0.05
SB-7	9	-0.025	-0.05	-0.25
SB-8	9	0.029	-0.02	0.13
SB-9	9			
	C ³	-0.005	-0.01	-0.05
SB-1	C ³	-0.025	0.05	-0.25
SB-2	C ³	-0.01	-0.02	-0.1
SB-3	C ³	-0.005	-0.01	0.088
SB-10	C ³			

1 Concentrations expressed as wet weight.

2 For locations with more than one sample analyzed, the greatest concentration of aldrin, dieldrin, and chlordane were chosen from the multiple analyses.

3 Extracts from soil samples collected from 1, 3, 6, and 9 feet were composited and analyzed.

* = Semi-quantified.

(-) = Less than; numerical value is Limit of Quantitation for that compound.

HARGIS + ASSOCIATES, INC.

TABLE 21 (continued)
COMPARISON OF ORGANOCHLORINE PESTICIDES
DETECTED IN SPLIT SOIL SAMPLES
AND PREVIOUSLY COLLECTED SOIL SAMPLES

LABORATORY	SAMPLE ID	SAMPLE DATE	ALDRIN	DIELDRIN	CHLORDANE	CONCENTRATION IN milligrams per kilogram				
						LINDBACILIN	4,4'-DDE	4,4'-DDE	4,4'-DDE	DELTA DDT
SAMPLES COLLECTED FROM 20-30 INCHES										
→ S-Cubed	1083	March 1987	850	16	180	3.800				
ATI ¹	SB 5-3	August 1987	-1.0	2.9	-1.0	-1.0	-2.0	-2.0	-2.0	NR
S-Cubed ¹	SOIL 7	May 1988	0.17*	2.6	9.6	-0.8	-1.6	-1.6	-1.6	-0.8
ATI ¹	SOIL 7	May 1988	-0.50	2.3	12	-0.50	-1.0	-1.0	-1.0	-0.50
S-Cubed ¹	S 1	May 1988	2.5	2.8	12	-0.40	-0.80	-0.80	0.23*	-0.40
ATI ¹	S 1	May 1988	-1.0	3.4	17	-1.0	-2.0	-2.0	-2.0	-1.0
S-Cubed ¹	S 1	May 1988	0.20*	3.0	13	-0.80	-1.6	-1.6	-1.6	-0.8
SAMPLES COLLECTED FROM 72-78 INCHES										
ATI ¹	SB 5-6	August 1987	0.042	0.16	-0.25	-0.025	-0.05	-0.05	-0.05	-0.025
S-Cubed ¹	SOIL 4	May 1988	0.035	0.13	0.073*	-0.016	-0.032	-0.032	-0.032	-0.016
ATI ¹	SOIL 4	May 1988	0.03	0.13	0.09	-0.005	-0.01	-0.01	-0.01	-0.005
S-Cubed ²	S 3	May 1988	0.19	0.40	0.35	-0.04	-0.08	-0.08	0.016*	-0.04
ATI ¹	S 3	May 1988	0.23	0.57	0.37	-0.13	-0.2	-0.2	-0.2	-0.13

(-) = Less than; numerical value is limit of quantification for that compound.

* = Semi-quantified.

(1) = Expressed as wet weight.

NR = Not reported.

ND = Not detected.



HARGIS + ASSOCIATES, INC.

TABLE 21

COMPARISON OF ORGANOCHLORINE PESTICIDES
DETECTED IN SPLIT SOIL SAMPLES
AND PREVIOUSLY COLLECTED SOIL SAMPLES

LABORATORY	SAMPLE ID	SAMPLE DATE	CONCENTRATION IN MILLIGRAMS PER KILOGRAM									
			ALDRIN	DIELDRIN	CHLORDANE	LINDB	DEPTACHLOR	4,4'-DDE	4,4'-DDE	PERLIN	PERLIN	RELATIVE
SURFACE SAMPLES												
S-Cubed ¹	1061	March 1987	2,700	300	1,500	NR	NR	NR	NR	NR	NR	NR
S-Cubed ¹	S 5	May 1988	1,200	210	740	-40	-40	-80	18	-40	-40	-40
ATI ¹	SOIL 1	May 1988	1,200	150	700	-50	-50	-100	-100	-100	-50	-50
Multi-Tech	6-2303	March 1986	1,700	-1	6	-1	-1	-1	NR	-1	-1	0.40 ²
S-Cubed ¹	SOIL 3	May 1988	2,000	040	16,000	-900	-800	-1,600	15 ²	-100	-50	-50
ATI ¹	SOIL 3	May 1988	1,170	50	1,200	-50	-50	-100	-100	-100	-80	-80
S-Cubed ¹	S 7	May 1988	1,000	-160	14,000	-80	-80	100	-80	-160	-100	-100
ATI ¹	S 7	May 1988	150	83	1,700	-100	-100	-200	-200	-200	-60	-60
S-Cubed ¹	S 7	May 1988	200	110 ²	2,200	-80	-80	32 ²	1.7 ²	-160	-60	-60
Multi-Tech	6-2302	March 1986	50	-1	370	-1	-1	-1	NR	-1	-1	-1
Kenco	Pot hole	February 1987	36.80	26.78	26.45	NR	1.40	NR	NR	NR	-15	-15
Multi-Tech	7-0008	February 1987	240	220	410	-15	-15	30	-15	-16	-8.0	-8.0
S-Cubed ¹	S 6	May 1988	42	24	100	-8.0	-8.0	-16	-16	-10	-5.0	-5.0
ATI ¹	SOIL 2	May 1988	26	17	100	-5.0	-5.0	-10	-10	-10	-5.0	-5.0
Kenco	Back corner	February 1987	70.55	28.80	54.90	NR	NR	NR	NR	NR	NR	NR
S-Cubed ¹	S 4	May 1988	-0.40	-0.80	10	-0.40	-0.40	-0.80	-0.80	-0.80	-0.40	-0.40
ATI ¹	Soil 5	May 1988	-0.25	-0.5	11	-0.25	-0.25	-0.5	-0.5	-0.5	-0.25	-0.25
SAMPLES COLLECTED FROM 12-18 INCHES												
S-Cubed	1062	March 1987	2,800	470	250	NR	NR	NR	NR	NR	NR	NR
ATI ¹	SB 5-1	August 1987	-2.5	8.9	43	-2.5	-2.5	-5.0	-5.0	-5.0	-2.5	-2.5
S-Cubed ¹	SOIL 6	May 1988	3.7	3.2	13 ²	-1.6	-1.6	-3.2	-3.2	-3.2	-1.6	-1.6
ATI ¹	SOIL 6	May 1988	2.7	2.0	13	-0.50	-0.50	-1.0	-1.0	-1.0	-0.50	-0.50
S-Cubed ¹	S 2	May 1988	0.15 ²	2.8	13	-0.40	-0.40	-0.80	-0.80	-0.80	-0.40	-0.40
ATI ¹	S 2	May 1988	2.8	2.6	13	-1.0	-1.0	-2.0	-2.0	-2.0	-1.0	-1.0
S-Cubed ²	S 2	May 1988	2.6	3.1	14	-0.40	-0.40	-0.80	-0.80	-0.80	-0.40	-0.40
ATI ¹	S 2	May 1988	2.6	2.9	14	-1.0	-1.0	-2.0	-2.0	-2.0	-1.0	-1.0



HARGIS + ASSOCIATES, INC.

TABLE 20

CONCENTRATION OF ORGANOCHLORINE PESTICIDES DETECTED IN WATER
SAMPLED FROM ABANDONED WELL MM-1

COMPOUND (micrograms per liter)	DATE SAMPLED.....									
	03/05/87	03/11/87	03/12/87	08/26/87	08/26/87	08/26/87	08/26/87	03/07/88	03/07/88	03/07/88
Aldrin	0*	4.23	21	-0.1	-0.25	-0.1	0.07	0.058		
Dieldrin	0*	3.06	2.6	0.14	0.20	0.054	0.34	-0.1		
Chlordane	10.14	0*	20	1.2	2.6	1.3	1.6	2.4		
Heptachlor	9.65	0.77	NR	-0.1	-0.25	-0.1	-0.05	-0.05		
Lindane	NR	NR	180	-0.1	-0.25	-0.1	-0.05	-0.05		
Gallons purged	0	0	0	0	3,000	6,000	0	0		
Collected by	L&A	L+A	SDCHS	H+A	H+A	H+A	H+A	H+A		
Analyzed by	Kenco	Kenco	S-Cubed	ATI	ATI	ATI	ATI	S-Cubed		

* - Reported as zero.

(NR) - Not reported.

(-) - Less than; numerical value is Limit of Quantitation for that compound.

L+A - Lipsey & Associates

SDCHS - San Diego County Department of Health Services

H+A - Hargis + Associates, Inc.

ATI - Analytical Technologies, Inc.

HARGIS + ASSOCIATES

ACCESS ROAD

MW-4

TRULY
NOLEN

1W-1

OW-1

MW-1

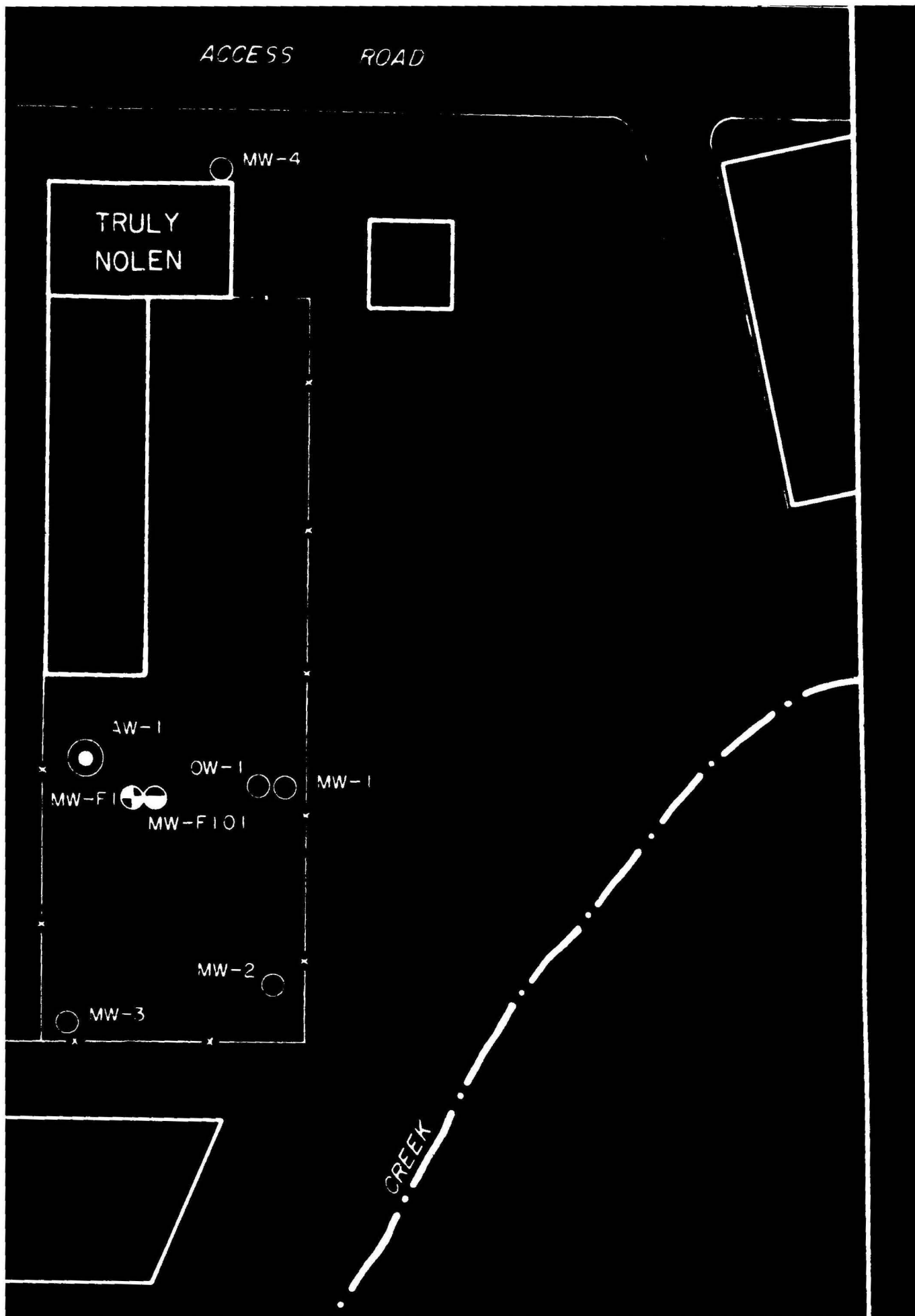
MW-F1

MW-F101

MW-2

MW-3

CREEK



TRULY
NOLEN

MW-4

MW-1

MW-1

MW-1

MW-F1

MW-F101

MW-2

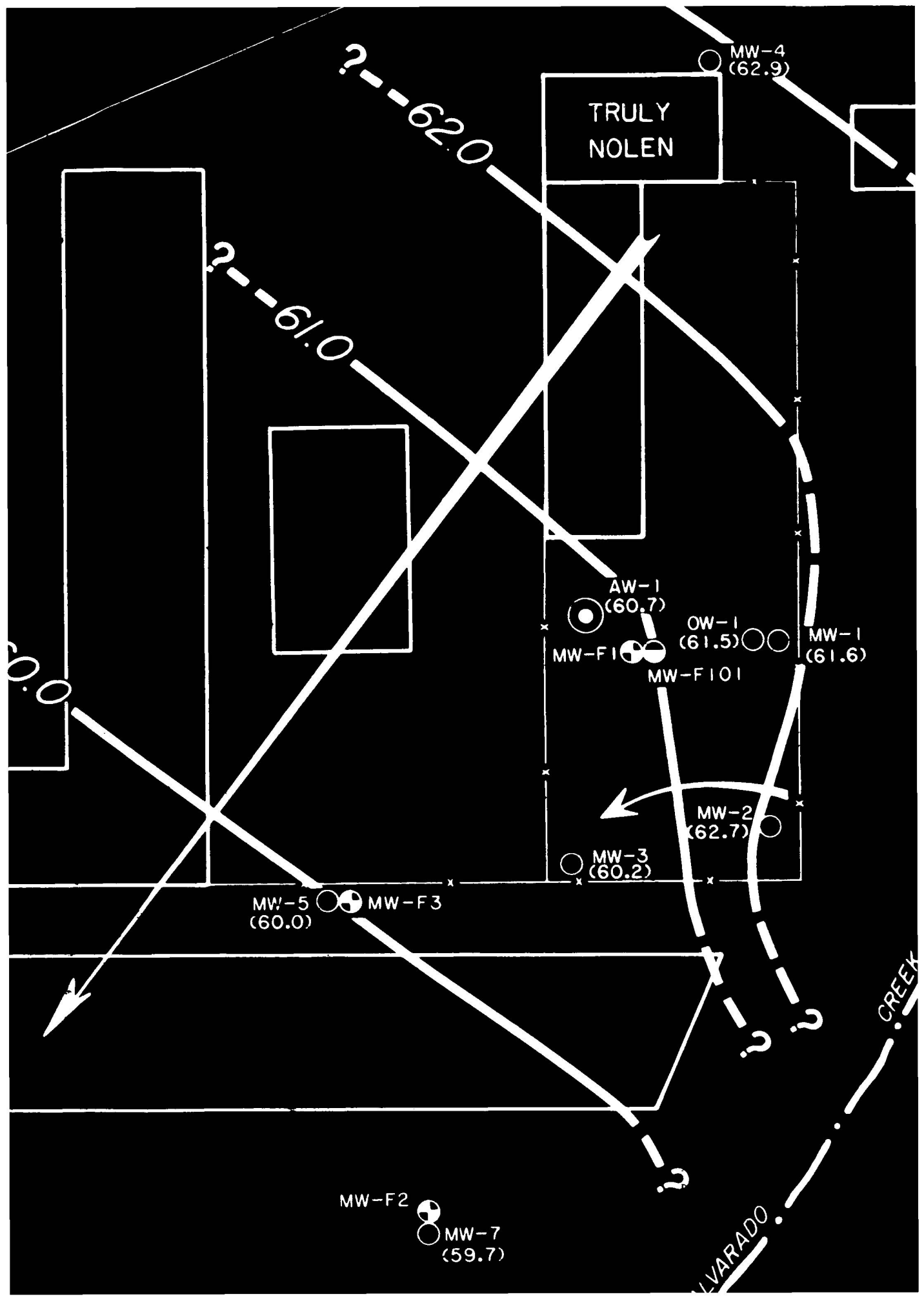
MW-3

MW-5

MW-F3

CREEK

MW-F2



ALLUVIUM MONITOR WELL

MW-1



CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

SS-12



CONSTRUCTED BY HYDROFLUENT, INC.

UPPER FRIARS FORMATION MONITOR WELL

MW-F1



CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

FRIARS FORMATION MONITOR WELL

MW-F101



CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

ALLUVIUM WELL

AW-1



ABANDONED WATER WELL

ACCESS ROAD

TRULY
NOLEN

MW-4

MW-1

OW-1

MW-1

MW-F1

MW-F101

MW-2

MW-3

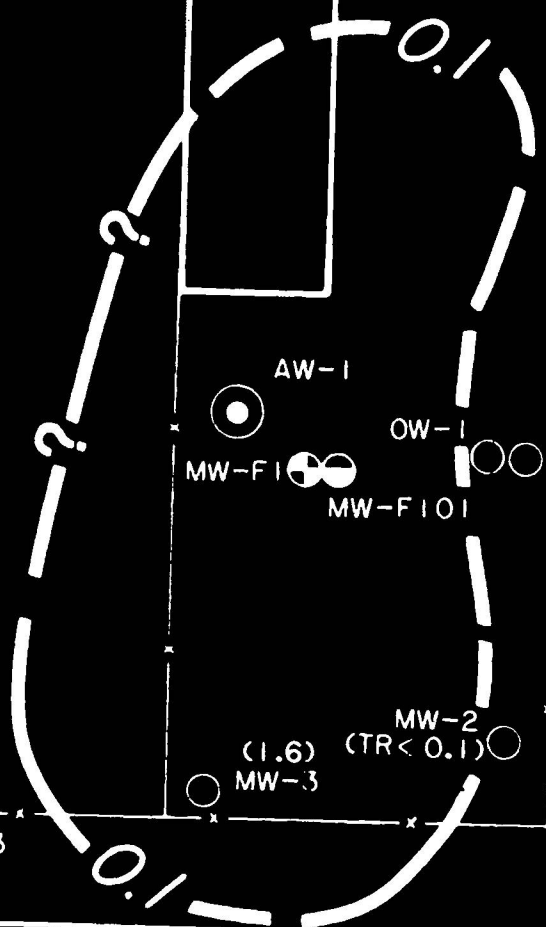
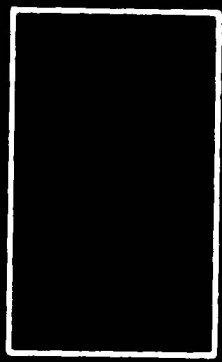
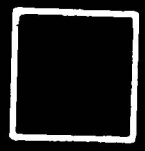
MW-5

MW-F3

CREEK

TRULY
NOLEN

MW-4
(TR < 0.1)



AW-1

OW-1

MW-F1

MW-F101

MW-1
(< 0.1)

MW-2
(1.6) (TR < 0.1)

MW-3

MW-5 (< 0.1) MW-F3

MW-F2

MW-7
(< 0.1)



MW-1
○
(< 0.1)

CONSTRUCTED BY HARGIS + ASSOCIATES, INC.
CONCENTRATION OF DIELDRIN, MICROGRAMS PER LIT

SS-12
⊙

CONSTRUCTED BY HYDROFLUENT, INC.

UPPER FRIARS FORMATION MONITOR WELL

MW-F1
⊙

CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

FRIARS FORMATION MONITOR WELL

MW-F101
⊙

CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

ALLUVIUM WELL

AW-1
⊙

ABANDONED WATER WELL

— — — 0.1 — — — ?

LIMIT OF QUANTITATION FOR THE ANALYSIS OF DIELDRIN
CONCENTRATION EXPRESSED IN MICROGRAMS PER LITER.
ALL ANALYSES PERFORMED BY ANALYTICAL TECHNOLOGIES, INC., SAN
DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED

(TR)=TRACE, DETECTED AT UNQUANTIFIABLE CONCENTRATION.

WATER SAMPLES FROM ON-SITE MONITOR WELLS WERE
COLLECTED ON APRIL 5, 1988. WATER SAMPLES FROM OFF-SITE
MONITOR WELLS WERE COLLECTED ON APRIL, 4 1988.

ACCESS ROAD

TRULY
NOLEN

MW-4

AW-1

OW-1

MW-1

MW-F1

(0.39)

MW-F101

0.1

MW-2

MW-3

MW-5

MW-F3

(< 0.1)

CREEK

CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

SS-12



CONSTRUCTED BY HYDROFLUENT, INC.

UPPER FRIARS FORMATION MONITOR WELL

MW-F1



CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

(0.39)

CONCENTRATION OF DIELDRIN, MICROGRAMS PER LITER.

FRIARS FORMATION MONITOR WELL

MW-F101



CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

ALLUVIUM WELL

AW-1



ABANDONED WATER WELL

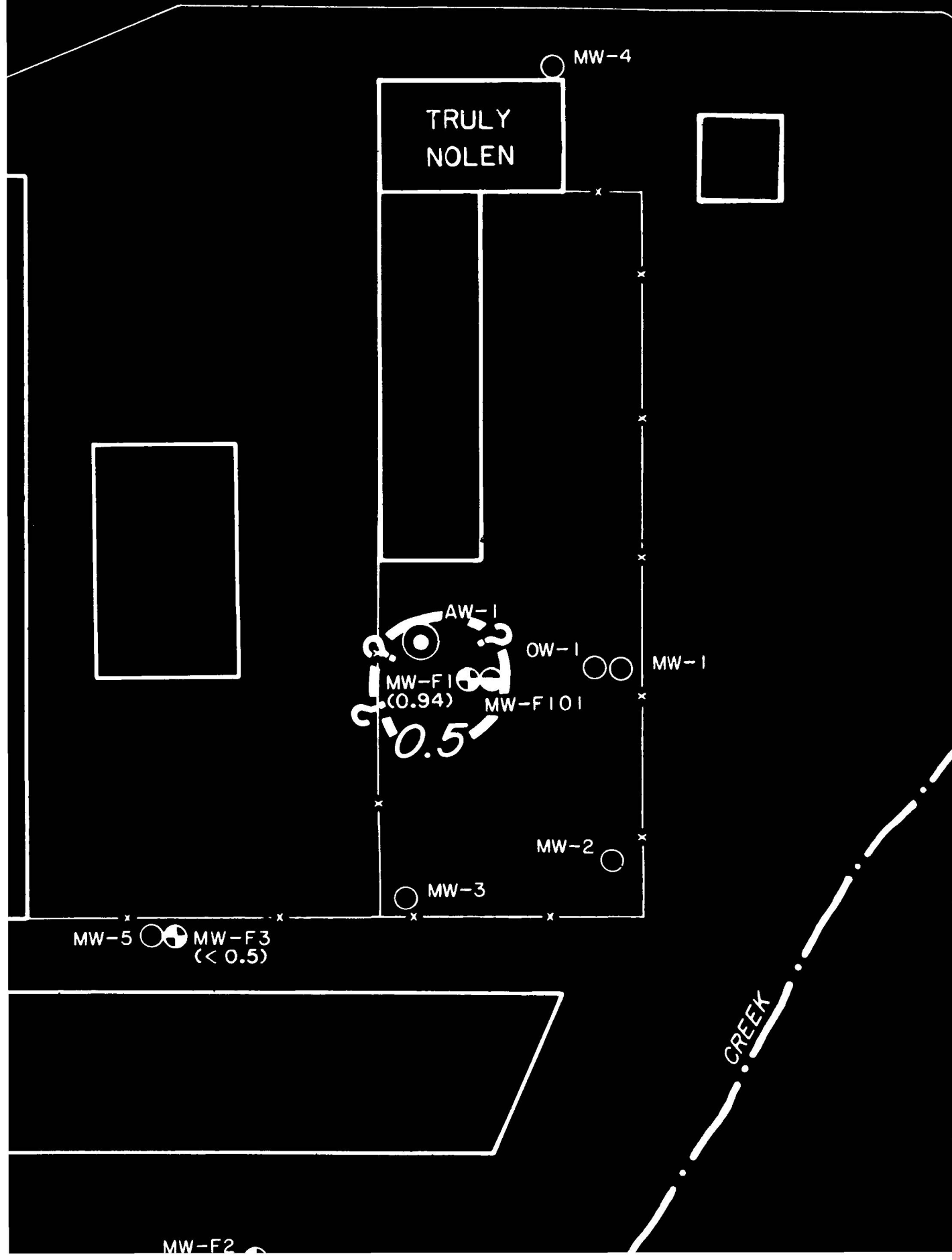
————— 0.1 —————?

LIMIT OF QUANTITATION FOR THE ANALYSIS OF DIELDRIN
CONCENTRATION EXPRESSED IN MICROGRAMS PER LITER.

ALL ANALYSES PERFORMED BY ANALYTICAL TECHNOLOGIES, INC.,
SAN DIEGO. DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED.

(TR)=TRACE, DETECTED AT UNQUANTIFIABLE CONCENTRATION.

WATER SAMPLES FROM ON-SITE MONITOR WELLS WERE COLLECTED
ON APRIL 5, 1988. WATER SAMPLES FROM OFF-SITE MONITOR WELLS
WERE COLLECTED ON APRIL 4, 1988.



SS-12



CONSTRUCTED BY HYDROFLUENT, INC.

UPPER FRIARS FORMATION MONITOR WELL

MW-F1



(0.94)

CONSTRUCTED BY HARGIS + ASSOCIATES, INC.
CONCENTRATION OF CHLORDANE, MICROGRAMS PER

FRIARS FORMATION MONITOR WELL

MW-F101



CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

ALLUVIUM WELL

AW-1



ABANDONED WATER WELL

— — — 0.5 — — — ?

LIMIT OF QUANTITATION FOR THE ANALYSIS OF CHLORDANE
CONCENTRATION EXPRESSED IN MICROGRAMS PER LITER.

ALL ANALYSES PERFORMED BY ANALYTICAL TECHNOLOGIES, INC. SAN DIEGO
DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED

WATER SAMPLES FROM ON-SITE MONITOR WELLS WERE
COLLECTED ON APRIL 5, 1988. WATER SAMPLES FROM OFF-SITE
MONITOR WELLS WERE COLLECTED ON APRIL, 4 1988.

October 31, 1991

ANNUAL MONITORING REPORT
AUGUST 1991
GROUNDWATER ASSESSMENT
TRULY NOLEN FACILITY
5909 MISSION GORGE ROAD
SAN DIEGO, CALIFORNIA



HARGIS+ASSOCIATES, INC.



HARGIS + ASSOCIATES, INC.

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October 31, 1991

VIA HAND COURIER

~~Mr. Robert Anderson~~
REGIONAL WATER QUALITY CONTROL BOARD
9771 Clairemont Mesa Boulevard
Suite B
San Diego, CA 92124



Re: Transmittal of Report

Dear Mr. Anderson:

Enclosed is one copy of our report entitled:

Annual Monitoring Report
August 1991
Truly Nolen Facility
5909 Mission Gorge Road
San Diego, California

If you have any questions or require further discussion, please contact me.



Sincerely,

HARGIS + ASSOCIATES, INC.

Roger A. Niemeyer
Roger A. Niemeyer
Associate
Registered Geologist No. 3616

Sam Williams
Sam Williams
Project Hydrogeologist

DSW/djr

Enclosure

cc w/encl.: Robert Robinson, Esq., Harrison & Watson
Mr. William Spalding, Truly Nolen
Mr. Larry Bodenhamer, Hazardous Materials
Management Division, San Diego, DHS

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Tucson, AZ
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Burbank, CA

File = 09208
JA 11-5



HARGIS + ASSOCIATES, INC.

ANNUAL MONITORING REPORT
AUGUST 1991
GROUNDWATER ASSESSMENT
TRULY NOLAN FACILITY
5909 MISSION GORGE ROAD
SAN DIEGO, CALIFORNIA

1.0 INTRODUCTION

This annual monitoring report was prepared in accordance with Addendum No. 3 to Cleanup and Abatement Order No. 87-102 issued by the California Regional Water Quality Control Board, San Diego Region (CRWQCB) to the Truly Nolan facility at 5909 Mission Gorge Road, San Diego, California (Figure 1). This report summarizes groundwater monitoring activities performed during the period from September 1990 to September 1991.

Previously, all monitor wells associated with the Truly Nolan site were sampled quarterly. Annual monitoring commenced at the Truly Nolan site in September 1990 (Hargis + Associates, Inc., 1990). Monitor wells MW-3, MW-5, MW-7, MW-F1, MW-F3, and abandoned well AW-1 are sampled annually as stipulated by the CRWQCB (CRWQCB, 1990). Water levels are measured in all monitor wells during each monitoring event.



2.0 HYDROGEOLOGIC CONDITIONS

2.1 WATER LEVELS

Water levels were measured in the monitor wells, observation well OW-1, abandoned well AW-1, and the Shell Service Station monitor well SS-12 on August 6, 1991 (Tables 1 and 2; Figure 1).

2.1.1 Alluvium Monitor Wells

Water level elevations measured in monitor and observation wells completed in the alluvium ranged from approximately 58.0 to 62.7 feet above mean sea level (msl) on August 6, 1991 (Table 1; Figure 2). The direction of groundwater flow in the alluvium is generally to the southwest. The hydraulic gradient between monitor wells MW-4 and MW-6 was approximately 0.006. The hydraulic gradient between abandoned well AW-1 and monitor well MW-6 was approximately 0.006.

2.1.2 Upper Friars Formation

Water level elevations measured in monitor wells completed in the upper Friars Formation ranged from approximately 58.9 to 61.1 feet above msl on August 6, 1991 (Figure 3). The direction of groundwater flow in the upper Friars Formation is to the southwest. The hydraulic gradient between monitor wells MW-F1 and MW-F4 was approximately 0.007.



2.1.3 Friars Formation

The water level elevation measured in monitor well MW-F101 completed in an intermediate portion of the Friars Formation was approximately 62.5 feet above msl on August 5, 1990 (Table 1).

2.2 DISCUSSION

Comparison of water level elevations obtained in September 1990 with August 1991 indicates that water levels generally increased in the alluvium and upper Friars Formation monitor wells (Table 1; Figures 4 through 6). Water level increases in these wells range from approximately 0.2 to 1.4 feet, based on changes in water level elevations in monitor wells MW-F4 and MW-6, respectively. The water level in monitor well MW-F101 decreased by approximately 0.8 feet since September 1990.

The groundwater gradient in the alluvium between abandoned well AW-1 and monitor well MW-6 was approximately 0.006 in August 1991 and has not changed from the 0.006 gradient calculated in September 1990. The groundwater gradient in the alluvium between monitor well MW-4 and MW-6 was 0.006 in August 1991 and decreased from the 0.009 gradient calculated in September 1990. The groundwater gradient in the upper Friars Formation between monitor wells MW-F1 and MW-F4 has changed from the 0.006 gradient calculated in September 1990 to a gradient of 0.007 calculated in August 1991.

The upward vertical gradient between intermediate Friars Formation monitor well MW-F101 and upper Friars Formation monitor well MW-F1 observed in September 1990 was also observed in August 1991.



3.0 CHEMICAL QUALITY OF GROUNDWATER

Monitor wells MW-3, MW-5, MW-7, MW-F1, MW-F3, and abandoned well AW-1 were sampled on August 6, 1991. A duplicate groundwater sample labeled MW-9 was collected from monitor well MW-F1. A field blank water sample labeled FB-1 was prepared on August 6, 1991, using distilled water. All groundwater samples were analyzed for organochlorine pesticides and polychlorinated biphenyls (PCBs) using Environmental Protection Agency (EPA) Method 608 (Appendix A). The groundwater sample analyses were performed by Analytical Technologies, Inc., San Diego, California (Appendix A).

The alluvium monitor wells MW-3, MW-5, and MW-7 were purged and sampled using dedicated positive displacement pumps. Monitor wells MW-F1 and MW-F3 were purged and sampled using dedicated electrical submersible pumps. The sampling method, duration of pumping, and number of casing volumes purged from each monitor well prior to sampling, are summarized (Table 2). As previously sampled, abandoned well AW-1 was not purged prior to sampling because of the large volume of water that would be required. Purge water was contained in 55-gallon DOT-approved steel drums and stored on-site. The electrical conductivity, pH, and temperature of the well discharge were monitored during monitor well purging. The stabilized parameters measured prior to collection of groundwater samples are summarized (Table 3).

3.1 ALLUVIUM MONITOR WELLS

Organochlorine pesticides were detected in groundwater samples collected from alluvium monitor wells MW-3 and AW-1 during August 1991 (Table 4). Organochlorine pesticides were not detected in the groundwater sample collected from alluvium monitor well MW-5. Organochlorine pesticides were detected in trace amounts in the sample from alluvium monitor well MW-7.



Dieldrin was detected at concentrations of 4.0 micrograms per liter (ug/l) and 0.16 ug/l in groundwater samples collected from monitor well MW-3 and abandoned well AW-1, respectively (Table 4; Figure 7). Trace dieldrin concentrations of 0.10 ug/l were detected in the groundwater sample collected from monitor well MW-7. Dieldrin was not detected in the groundwater sample collected from monitor well MW-5.

Chlordane was detected at a concentration of 1.1 ug/l in a groundwater sample collected from abandoned well AW-1 (Table 4; Figure 8). Chlordane was not detected in the groundwater samples collected from alluvium monitor wells MW-3, MW-5, and MW-7.

Aldrin was detected at a concentration of 0.059 ug/l in a groundwater sample collected from abandoned well AW-1. Aldrin was not detected in groundwater samples collected from alluvium monitor wells MW-3, MW-5, and MW-7.

Endrin ketone was not detected in groundwater samples collected from alluvium monitor wells MW-3, MW-5, MW-7, and abandoned well AW-1. Previously, endrin ketone had been detected in groundwater samples collected from monitor wells MW-3 and abandoned well AW-1.

No other organochlorine pesticides were detected in the groundwater samples collected from the alluvium monitor wells and abandoned well AW-1 during August 1991 (Appendix B).

3.2 UPPER FRIARS FORMATION MONITOR WELL

One organochlorine pesticide was detected at trace concentrations in the groundwater samples collected from the upper Friars Formation monitor wells MW-F1 and MW-F3 in August 1991 (Table 5).



Dieldrin was detected at a trace concentration of 0.10 ug/l in both the groundwater sample collected from monitor well MW-F1 and the duplicate groundwater sample collected from monitor well MW-F1, labeled MW-9 (Table 5; Figure 9). Dieldrin was also detected at a trace concentration of 0.10 ug/l in the groundwater sample collected from monitor well MW-F3. This was the first time that dieldrin was detected in groundwater samples collected from monitor well MW-F3.

Chlordane was not detected in the groundwater samples collected from upper Friars Formation monitor wells MW-F1 or MW-F3.

Aldrin was not detected in the groundwater samples collected from monitor upper Friars Formation monitor wells MW-F1 or MW-F3.

No other organochlorine pesticides were detected in the groundwater samples collected from the two upper Friars Formation monitor wells sampled during August 1991 (Appendix B).

3.3 DISCUSSION

→ Dieldrin was detected at a trace concentration in the groundwater sample collected from monitor well MW-7 in August 1991. This is the first time that dieldrin has been detected in groundwater samples collected from monitor well MW-7. Dieldrin was also detected in the groundwater samples collected from monitor well MW-3 and abandoned well AW-1. Historical water quality data indicate that the concentrations of dieldrin detected in abandoned well AW-1 have generally decreased with time. Dieldrin concentrations in groundwater samples collected from monitor well MW-3 have remained at concentrations greater than approximately 3 ug/l since October 1988.

Chlordane was detected in the groundwater samples collected from abandoned well AW-1. Chlordane was not detected in the groundwater samples collected from



monitor wells MW-3 and MW-5. Previously, chlordane had been detected at trace concentrations in groundwater samples collected from MW-3 and MW-5.

Aldrin, dieldrin, and chlordane have been either not detected or detected at trace concentrations near the detection limit in groundwater samples collected from the upper Friars Formation monitor well MW-F1 since January 1989. Dieldrin was detected at a trace concentration in the groundwater sample collected from monitor well MW-F3 for the first time in August 1991.



4.0 SUMMARY

Annual monitoring was performed at the Truly Nolen facility on August 6 and 7, 1991 in accordance with Addendum No. 3 of Cleanup and Abatement Order No. 87-102. During annual monitoring operations, water levels were measured in all monitor wells and groundwater samples were collected from monitor wells AW-1, MW-3, MW-5, MW-7, MW-F1, and MW-F3.

Water level data collected in August 1991 indicate that water levels have generally increased in alluvium and upper Friars Formation monitor wells since September 1990. The water level in monitor well MW-6 increased approximately 1.4 feet. The increase in water levels may be due to the rainfall in July. The water level in the intermediate Friars Formation monitor well decreased approximately 0.8 feet. However, the upward vertical gradient between the intermediate Friars Formation and upper Friars Formation observed in September 1990 was also observed in April 1991.

Groundwater quality data indicate that the concentrations of organochlorine pesticides detected in groundwater samples collected during August 1991 are generally similar to or are within the range of the concentrations previously detected. However, dieldrin was detected for the first time at a trace concentration of 0.10 ug/l in the groundwater samples collected from monitor wells MW-7 and MW-F3. These trace concentrations are less than the limit of quantitation for dieldrin and do not necessarily indicate that dieldrin is migrating downgradient.

*Although
upward grad-
ient was
got to the lower
well!*

TABLE 4
ORGANOCHLORINE PESTICIDES
IN ALLUVIUM MONITOR WELLS AND ABANDONED WELL AW-1

.....CONCENTRATION IN MICROGRAMS PER LITER.....						
WELL ID	SAMPLE DATE	ALDRIN	DIELDRIN	CHLORDANE	4,4'-DDT	ENDRIN(a) KETONE
<u>ON-SITE</u>						
MW-1	09-10-87	-0.05	-0.1	-0.5	-0.1	-0.1
	10-02-87	-0.05	-0.1	-0.5	-0.1	-0.1
	01-06-88	-0.10	-0.2	(TR)-1.0	-0.2	-0.2
	04-05-88	-0.05	-0.1	(TR)-0.5	-0.1	-0.1
	07-12-88	-0.05	-0.1	-0.5	-0.1	-0.1
	10-03-88	-0.05	-0.1	-0.5	-0.1	-0.1
	01-10-89	-0.05	-0.1	-0.5	-0.1	-0.1
	04-03-89	-0.05	-0.1	(TR)-0.5	-0.1	-0.1
	07-11-89	-0.05	-0.1	-0.5	-0.1	-0.1
	09-26-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-08-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-08-90(D)	-0.05	-0.1	-0.5	-0.1	-0.1
MW-2	09-10-87	-0.5	2.6	-5.0	-1.0	-1.0
	10-02-87	-0.25	1.1	-2.5	-0.5	-0.1
	10-02-87(D)	-0.25	0.99	-2.5	-0.5	-0.5
	01-06-88	-0.1	0.38	(TR)-1.0	-0.2	-0.2
	03-07-88	-0.05	0.18	(TR)-0.5	-0.1	-0.1
	03-07-88(S)	-0.05	-0.1	(TR) 0.31	-0.1	-0.1
	04-05-88	-0.05	-0.1	(TR) 0.5	-0.1	-0.1
	07-12-88	-0.05	(TR)-0.1	-0.5	-0.1	-0.1
	10-03-88	-0.05	(TR)-0.1	-0.5	-0.1	-0.1
	01-10-89	-0.05	(TR)-0.1	-0.5	-0.1	-0.1
	04-03-89	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-89	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-89(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	09-26-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-08-90	-0.05	(TR)-0.1	-0.5	-0.1	-0.1
MW-3	09-10-87	-0.25	1.4	-2.5	-0.5	-0.1
	10-02-87	-0.5	1.7	-5.0	-1.0	-1.0
	01-06-88	-0.5	1.8	(TR)-5.0	-1.0	-1.0
	01-06-88(D)	-0.25	1.8	(TR)-2.5	-0.5	-0.5
	04-05-88	-0.25	1.6	(TR)-2.5	-0.5	-0.5

NOTE: Samples analyzed by Analytical Technologies, Inc. unless the sample was a split sample

(a) Endrin ketone may be from endrin breakdown

(b) Without purging

(c) After purging 3,000 gallons

(d) After purging 6,000 gallons

TR = Trace, detected at unquantifiable level

(-) = Less than; numerical value is the Limit of Quantitation for that compound

D = Field duplicate

S = Split sample, analyzed by S-Cubed



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TABLE 4 (continued)
ORGANOCHLORINE PESTICIDES
IN ALLUVIUM MONITOR WELLS AND ABANDONED WELL AW-1
Page 2 of 4

	 CONCENTRATION IN MICROGRAMS PER LITER.....					ENDRIN KETONE
WELL ID	SAMPLE DATE	ALDRIN	DIELDRIN	CHLORDANE	4,4'-DDT		
MW-3 (cont'd)	07-12-88	-0.5	2.0	(TR)-5.0	-1.0		-1.0
	10-04-88	-0.05	4.3	0.77	-0.1		2.6
	12-01-88	-0.25	3.3	-2.5	-0.5		2.5
	01-10-89	-0.5	3.9	-5.0	-1.0		1.2
	04-03-89	-0.25	3.6	(TR)-2.5	-0.5		0.84
	04-03-89(D)	-0.15	2.9	(TR)-1.5	-0.3		0.94
	07-11-89	-0.5	4.1	-5.0	-1.0		1.5
	09-26-89	-0.5	4.2	-5.0	-1.0		2.1
	01-08-90	-0.25	3.9	-2.5	-0.5		1.0
	09-06-90	-0.25	5.2	(TR)-2.5	-0.5		0.89
	09-06-90(D)	-0.25	4.1	2.6	-0.5		0.64
	08-06-91	-0.5	4.0	-5	-1		-1
MW-4	09-10-87	-0.05	-0.1	-0.5	-0.1		-0.1
	10-02-87	-0.05	-0.1	-0.5	-0.1		-0.1
	01-06-88	-0.05	(TR)-0.1	-0.5	-0.1		-0.1
	04-05-88	-0.05	(TR)-0.1	-0.5	-0.1		-0.1
	07-12-88	-0.05	-0.1	-0.5	-0.1		-0.1
	10-03-88	-0.05	-0.1	-0.5	-0.1		-0.1
	01-10-89	-0.05	-0.1	-0.5	-0.1		-0.1
	04-03-89	-0.05	-0.1	-0.5	-0.1		-0.1
	07-11-89	-0.05	-0.1	-0.5	-0.1		-0.1
	09-26-89	-0.05	-0.1	-0.5	-0.1		-0.1
	01-08-90	-0.05	-0.1	-0.5	-0.1		-0.1
AW-1	08-26-87(b)	-0.10	0.14	1.2	-0.2		-0.2
	08-26-87(c)	-0.25	0.20	2.6	-0.5		-0.5
	08-26-87(d)	-0.10	0.054	1.3	-0.2		-0.2
	03-07-88(b)	0.07	0.34	1.6	-0.1		-0.1
	03-07-88(b)(S)	0.058	-0.10	2.4	-0.1		-0.1
	07-12-88(b)	0.11	0.38	1.1	-0.1		-0.1
	10-04-88(b)	0.20	0.19	(TR)-0.5	-0.1		0.41
	10-04-88(b)(D)	0.20	0.28	0.54	-0.1		0.32
	12-01-88(d)	-0.05	0.12	1.4	-0.1		-0.1
	12-01-88(d)(D)	-0.05	0.10	0.86	-0.1		-0.1
	01-10-89(b)	-0.05	0.23	0.97	-0.1		0.12
	04-03-89(b)	(TR)-0.05	0.19	1.0	-0.1		-0.1

NOTE: Samples analyzed by Analytical Technologies, Inc. unless the sample was a split sample

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TABLE 4 (continued)
ORGANOCHLORINE PESTICIDES
IN ALLUVIUM MONITOR WELLS AND ABANDONED WELL AW-1
Page 3 of 4

..... CONCENTRATION IN MICROGRAMS PER LITER.....						
WELL ID	SAMPLE DATE	ALDRIN	DIELDRIN	CHLORDANE	4,4'-DDT	ENDRIN KETONE
AW-1 (cont'd)	07-10-89(b)	-0.05	(TR)-0.1	(TR)-0.5	-0.1	-0.1
	07-10-89(D)	(TR)-0.05	0.12	0.60	-0.1	-0.1
	09-26-89(b)	(TR)-0.05	0.39	2.9	-0.1	-0.1
	09-26-89(D)	(TR)-0.05	0.31	1.3	-0.1	-0.1
	01-08-90(b)	(TR)-0.05	0.17	1.1	-0.1	-0.1
	09-06-90(b)	-0.05	(TR)-0.1	(TR)-0.5	-0.1	-0.1
	08-06-91(b)	0.059	0.16	1.1	-0.1	-0.1

OFF-SITE

MW-5	03-07-88	-0.05	-0.1	-0.5	-0.1	-0.1
	03-07-88(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	03-07-88(S)	-0.05	-0.1	-0.5	-0.1	-0.1
	03-07-88(S)	-0.05	-0.1	-0.5	-0.1	-0.1
	04-04-88	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-88	-0.05	-0.1	-0.5	-0.1	-0.1
	10-03-88	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-89(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	04-04-89	-0.05	-0.1	-0.5	-0.1	-0.1
	04-04-89(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	07-10-89	-0.05	-0.1	-0.5	-0.1	-0.1
	09-25-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-90	-0.05	-0.1	-0.5	-0.1	-0.1
	09-06-90	-0.05	(TR)-0.1	(TR)-0.5	-0.1	-0.1
	08-07-91	-0.05	-0.1	-0.5	-0.1	-0.1
MW-6	03-07-88	-0.05	-0.1	-0.5	1.1	-0.1
	04-04-88	-0.05	-0.1	-0.5	(TR)-0.1	-0.1
	06-13-88	-0.05	-0.1	-0.5	-0.1	-0.1
	06-13-88(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-88	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-88(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	10-03-88	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-89	-0.05	-0.1	-0.5	-0.1	-0.1
	04-04-89	-0.05	-0.1	-0.5	-0.1	-0.1

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TABLE 4 (continued)
ORGANOCHLORINE PESTICIDES
IN ALLUVIUM MONITOR WELLS AND ABANDONED WELL AW-1
Page 4 of 4

WELL ID	SAMPLE DATE CONCENTRATION IN MICROGRAMS PER LITER.....				
		ALDRIN	DIELDRIN	CHLORDANE	4,4'-DDT	ENDRIN KETONE
MW-6 (cont'd)	07-10-89	-0.05	-0.1	-0.5	-0.1	-0.1
	09-25-89(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-90	-0.05	-0.1	-0.5	-0.1	-0.1
MW-7	03-07-88	-0.05	-0.1	-0.5	-0.1	-0.1
	04-04-88	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-88	-0.05	-0.1	-0.5	-0.1	-0.1
	10-03-88	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-89	-0.05	-0.1	-0.5	-0.1	-0.1
	04-04-89	-0.05	-0.1	-0.5	-0.1	-0.1
	07-10-89	-0.05	-0.1	-0.5	-0.1	-0.1
	09-25-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-90	-0.05	-0.1	-0.5	-0.1	-0.1
	09-06-90	-0.05	-0.1	-0.5	-0.1	-0.1
	08-07-91	-0.05	(TR)-0.1	-0.5	-0.1	-0.1

NOTE: Samples analyzed by Analytical Technologies, Inc. unless the sample was a split sample

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- (d) After purging 6,000 gallons

TR = Trace, detected at unquantifiable level
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D = Field duplicate
S = Split sample, analyzed by S-Cubed



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TABLE 5
ORGANOCHLORINE PESTICIDES
IN UPPER FRIARS FORMATION MONITOR WELLS

WELL ID	SAMPLE DATE	CONCENTRATION IN MICROGRAMS PER LITER.		
		ALDRIN	DIELDRIN	CHLORDANE
ON-SITE				
MW-F1	09-10-87	-0.25	0.86	-2.5
	09-10-87 (D)	-0.25	0.86	-2.5
	10-02-87	-0.1	0.40	-1.0
	01-06-88	0.25	0.37	(TR)-1.0
	04-05-88	0.26	0.39	0.94
	07-12-88	0.06	0.16	(TR)-0.5
	07-12-88 (D)	0.06	0.15	(TR)-0.5
	10-04-88	0.06	0.16	(TR)-0.5
	10-07-88(a)	0.05	(TR)-0.1	(TR)-0.5
	01-10-89	(TR)-0.05	(TR)-0.1	(TR)-0.5
	01-10-89 (D)	(TR)-0.05	(TR)-0.1	(TR)-0.5
	04-03-89	(TR)-0.05	(TR)-0.1	-0.5
	07-11-89	-0.05	(TR)-0.1	-0.5
	09-26-89	(TR)-0.05	(TR)-0.1	-0.5
	09-06-90	(TR)-0.05	(TR)-0.05	(TR)-0.5
	08-06-91	-0.05	(TR)-0.1	-0.5
	08-06-91 (D)	-0.05	(TR)-0.1	-0.5
OFF-SITE				
MW-F2	03-07-88	-0.05	-0.1	-0.5
	03-07-88 (S)	-0.05	-0.1	-0.5
	04-04-88	-0.05	-0.1	-0.5
	07-11-88	-0.05	-0.1	-0.5
	10-03-88	-0.05	-0.1	-0.5
	01-09-89	-0.05	-0.1	-0.5
	04-04-89	-0.05	-0.1	-0.5
	07-10-89	-0.05	-0.1	-0.5
	09-25-89	-0.05	-0.1	-0.5
MW-F3	03-07-88	-0.05	-0.1	-0.5
	04-04-88	-0.05	-0.1	-0.5
	07-11-88	-0.05	-0.1	-0.5
	10-03-88	-0.05	-0.1	-0.5

NOTE: Samples analyzed by Analytical Technologies, Inc. unless the sample was a split sample

(a) After purging approximately 2,600 gallons

TR = Trace, detected at unquantifiable level

(-) = Less than; numerical value is the Limit of Quantitation for that compound

D = Field duplicate

S = Split sample, analyzed by S-Cube



HARGIS + ASSOCIATES, INC.

TABLE 5 (continued)
 ORGANOCHLORINE PESTICIDES
 IN UPPER FRIARS FORMATION MONITOR WELLS
 Page 2 of 2

WELL ID	SAMPLE DATE	CONCENTRATION IN MICROGRAMS PER LITER		
		ALDRIN	DIELDRIN	CHLORDANE
MW-F3 (cont'd)	10-03-88 (D)	-0.05	-0.1	-0.5
	01-09-89	-0.05	-0.1	-0.5
	04-04-89	-0.05	-0.1	-0.5
	07-10-89	-0.05	-0.1	-0.5
	09-25-89	-0.05	-0.1	-0.5
	09-06-90	-0.05	-0.1	-0.5
	08-07-91	-0.05	(TR)-0.1	-0.5
MW-F4	03-07-88	-0.05	-0.1	-0.5
	04-04-88	-0.05	(TR)-0.1	-0.5
	04-04-88 (D)	-0.05	(TR)-0.1	-0.5
	06-13-88	-0.05	-0.1	-0.5
	07-11-88	-0.05	-0.1	-0.5
	10-07-88	-0.05	-0.1	-0.5
	01-09-89	-0.05	-0.1	-0.5
	07-10-89	-0.05	-0.1	-0.5
	09-26-89	-0.05	-0.1	-0.5

NOTE: Samples analyzed by Analytical Technologies, Inc. unless the sample was a split sample

(a) After purging approximately 2,600 gallons

TR = Trace, detected at unquantifiable level

(-) = Less than; numerical value is the Limit of Quantitation for that compound

D = Field duplicate

S = Split sample, analyzed by S-Cubed



HARGIS + ASSOCIATES, INC.

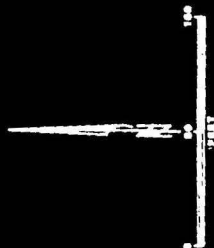
EXPLANATION

ALLUVIUM MONITOR WELL

- MW-1 ○ CONSTRUCTED BY HARGIS + ASSOCIATES
- SS-12 ○ CONSTRUCTED BY HYDROFLUENT, INC.
- MW-2 ○ ABANDONED MONITOR WELL
- AW-1 ○ ABANDONED WATER WELL

UPPER FRIARS FORMATION MONITOR WELL

- MW-F1 ○ CONSTRUCTED BY HARGIS + ASSOCIATES
- FRIARS FORMATION MONITOR WELL
- MW-F101 ○ CONSTRUCTED BY HARGIS + ASSOCIATES



TRULY NOLEN

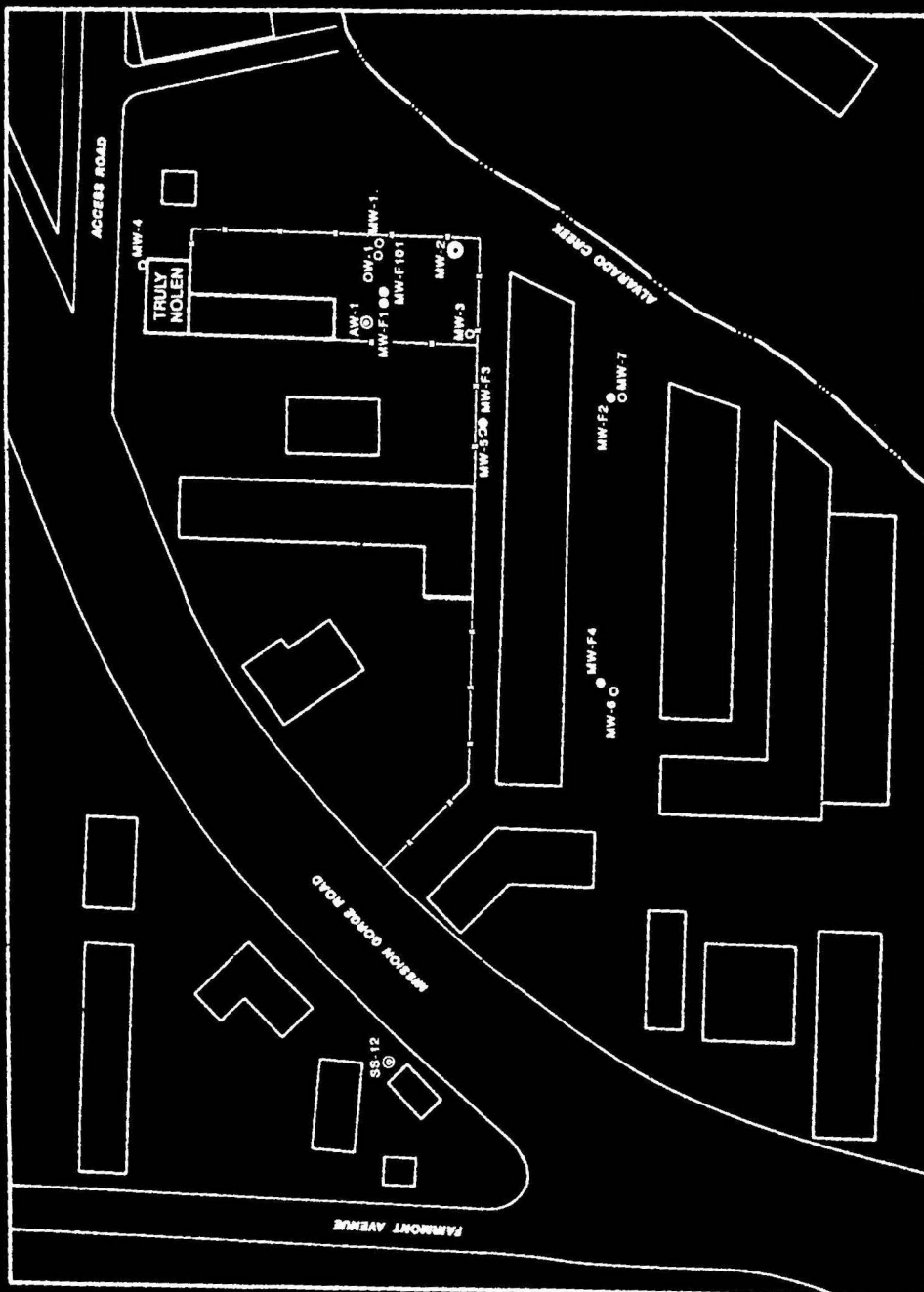
SAN DIEGO, CALIFORNIA

LOCATION OF MONITOR WELLS

HARGIS + ASSOCIATES, INC.

PREPARED BY

REVIEWED BY



RECEIVED
EXPLANATION 001 31 100
SAN DIEGO REGIONAL
WATER QUALITY CENTER

ALLUVIUM MONITOR WELL

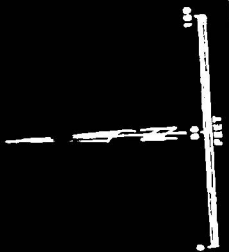
- MW-1
- CONSTRUCTED BY HARGIS + ASSOCIATES, INC.
- SS-12
- ⊙ CONSTRUCTED BY HYDROFLUENT, INC.
- AW-1
- ⊙ ABANDONED MONITOR WELL

60.0

CONTOUR OF EQUAL WATER LEVEL ELEVATION IN ALLUVIUM
DASHED WHERE APPROXIMATE
DOTTED WHERE INFERRED

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

NOTE: WATER LEVELS MEASURED AUGUST 8, 1991

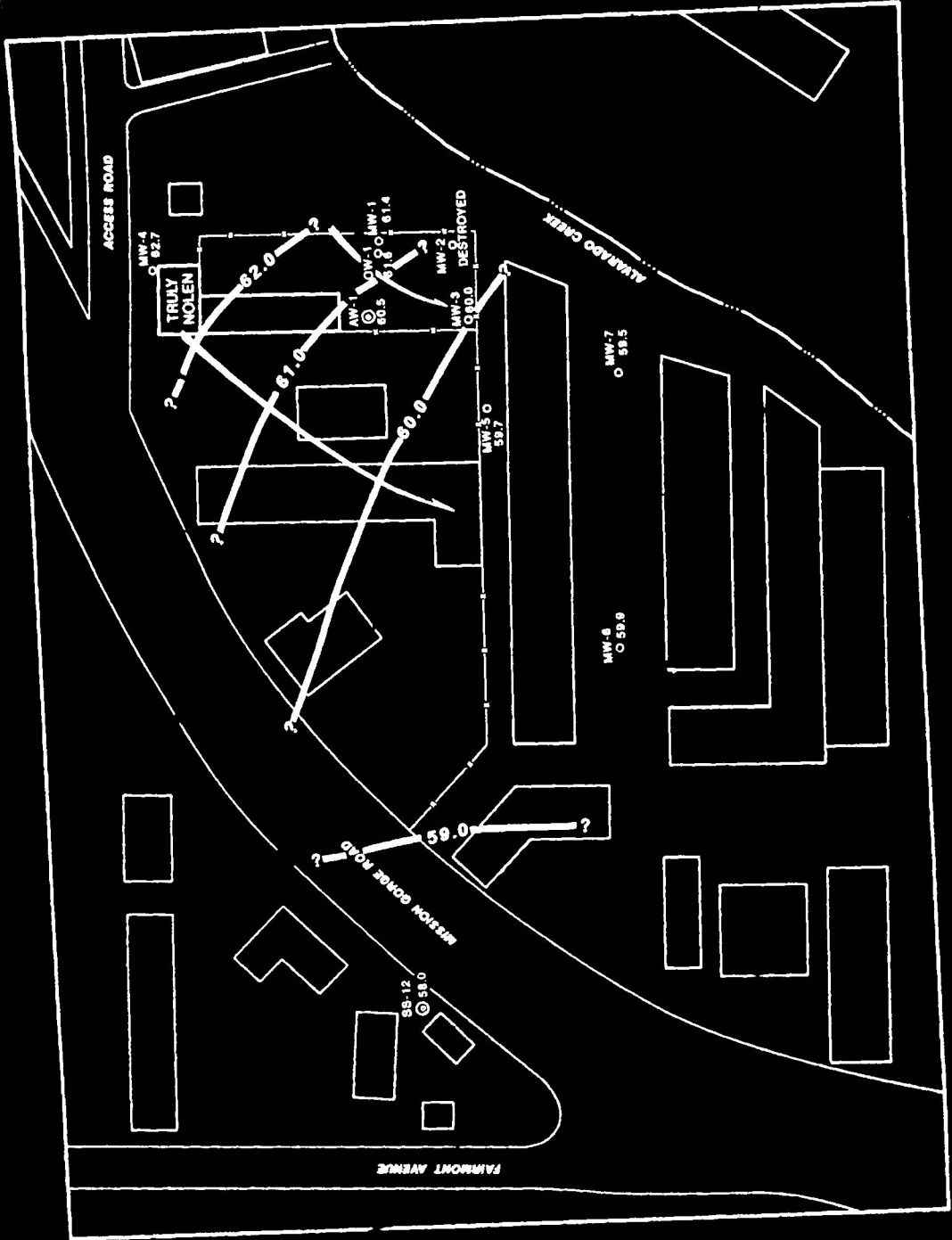


TRULY NOLEN
SAN DIEGO, CALIFORNIA

WATER LEVEL ELEVATIONS
ALLUVIUM
AUGUST 1991

HARGIS + ASSOCIATES, INC.

PREPARED BY JCC REVIEWED BY JCC



EXPLANATION

UPPER FRIARS FORMATION MONITOR WELL

● CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

FRIARS FORMATION MONITOR WELL

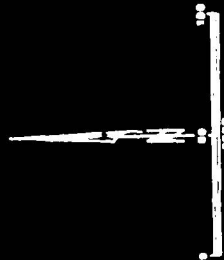
● CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

60.0

CONTOUR OF EQUAL WATER LEVEL ELEVATION
IN UPPER FRIARS FORMATION
DASHED WHERE APPROXIMATE
QUERIED WHERE INFERRRED

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

NOTE: WATER LEVELS MEASURED AUGUST 6, 1991



TRULY NOLEN
SAN DIEGO, CALIFORNIA

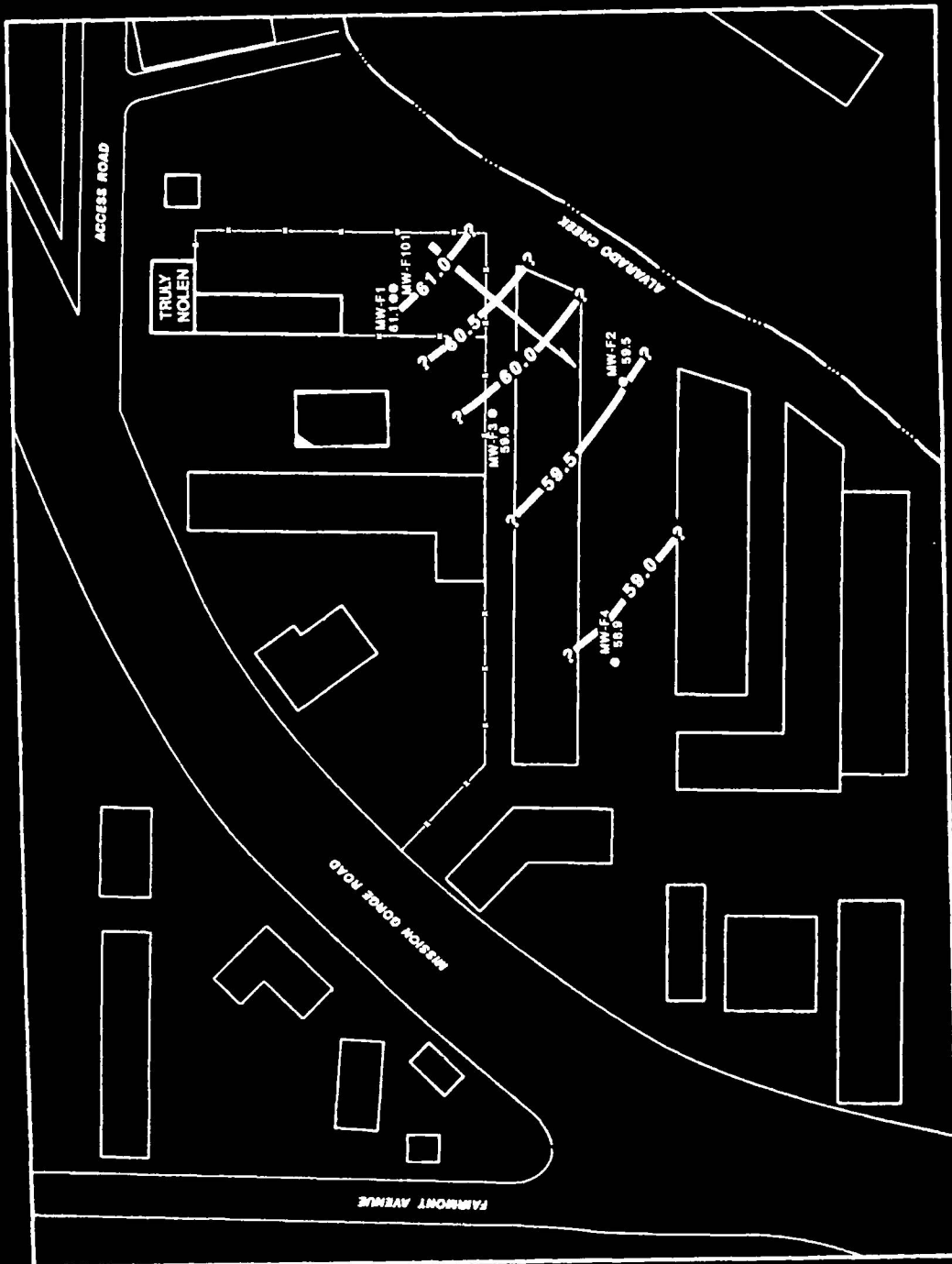
WATER LEVEL ELEVATIONS
UPPER FRIARS FORMATION
AUGUST 1991

HARGIS + ASSOCIATES, INC.

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FIGURE 3

PREPARED BY JLC REVIEWED BY JLC



TEAM WORKING MONITOR WEL

**MW-1
CONSTRUCTED BY HARGIS + ASSOCIATES, INC.**

385-12 ② CONSTRUCTED BY HYDROFLUENT, INC.

AW-1
ABANDONED WATER WELL

UPPER FRIARS FORMATION MONITOR WELL

BMW-F1
● CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

FRIARS FORMATION MONITOR WELL

AW-F101
● CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

5-MW-5 CONCENTRATION OF SWILDRON

○ CONCENTRATION OF OMELRIN
<0.1 IN MICROGRAMS PER LITER

(TRI) TRACE CONCENTRATIONS

< = LESS THAN; NUMERICAL VALUE IS LIMIT OF QUANTITATION FOR DIELDRIAN

**NOTE: WATER SAMPLES COLLECTED AUGUST 6 AND 7, 1981
ANALYSES PERFORMED BY ANALYTICAL
TECHNOLOGIES, INC., SAN DIEGO.**



TRULY NOLEN

**DIELDRIN CONCENTRATIONS
ALLUVIUM**

AUGUST 1991

MARGIS + ASSOCIATES, INC.

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23 / 40 NOV 1968

THE MONITOR WELL

AW-1
O CONSTRUCTED BY HARGIS + ASSOCIATES, INC.
33-12
O CONSTRUCTED BY HYDROPLUMET, INC.
AW-1
C ABANDONED WATER WELL

UPPER FRIARS FORMATION MONITOR WELL

MW-F 1
O CONSTRUCTED BY HARGIS & ASSOCIATES, INC.
PRIARS FORMATION MONITOR WELL

● CONSTRUCTED BY HARRIS & ASSOCIATES, INC.

CONCENTRATION OF CHLORDANE
IN MICROGRAMS PER LITER
TRACE CONCENTRATIONS
(TRI)
LESS THAN; NUMERICAL VALUE IS
OF QUANTITATION FOR CHLORDANE

NOTE: WATER SAMPLES COLLECTED AUGUST 8, 1991
ANALYSES PERFORMED BY ANALYTICAL
TECHNOLOGIES, INC., SAN DIEGO



TRULY NOLEN

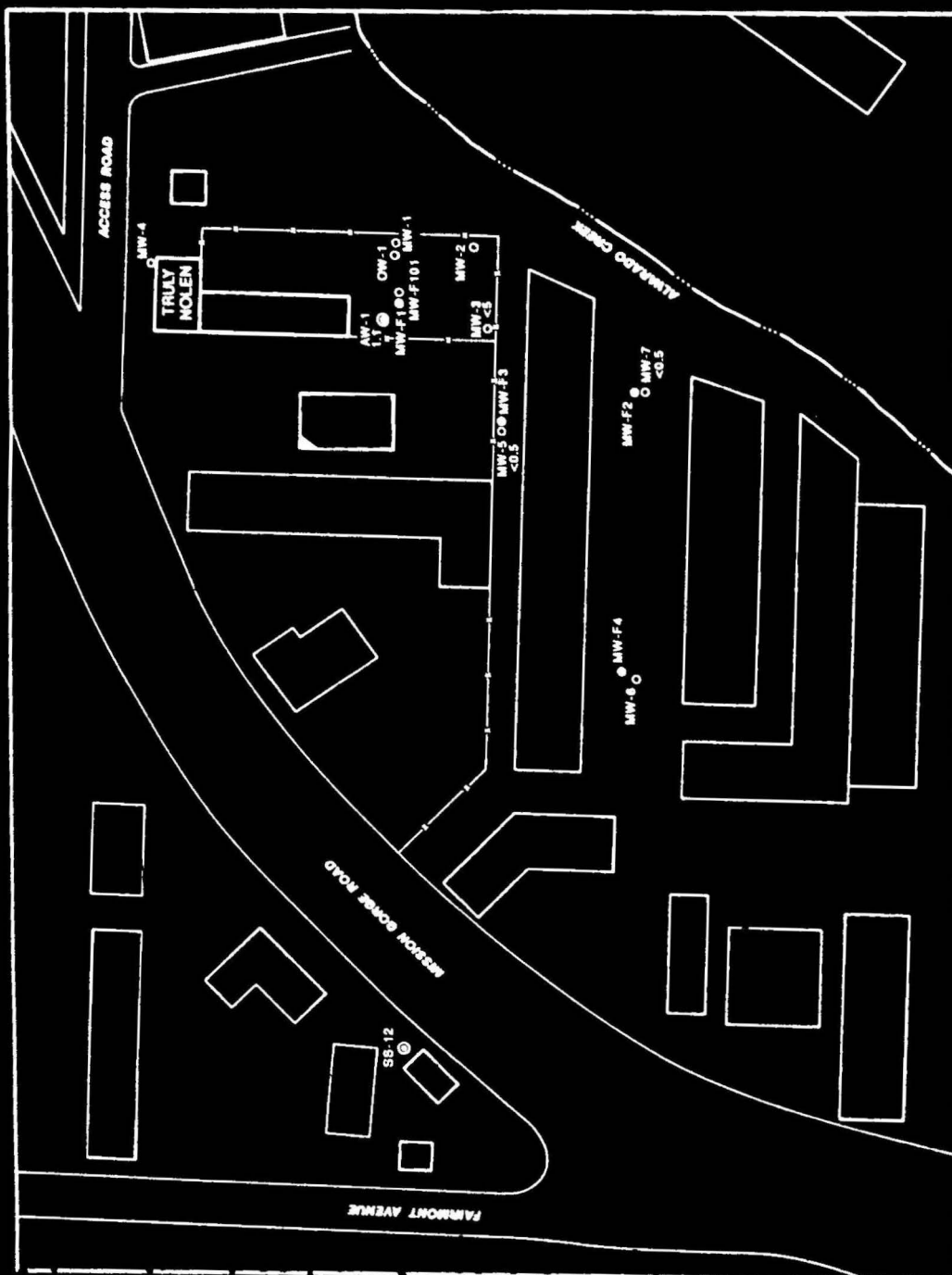
**CHLORDANE CONCENTRATIONS
ALLUVIUM
AUGUST 1991**

HARGES + ASSOCIATES, INC.

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IN CHARGE OF THE WORKS 337 10



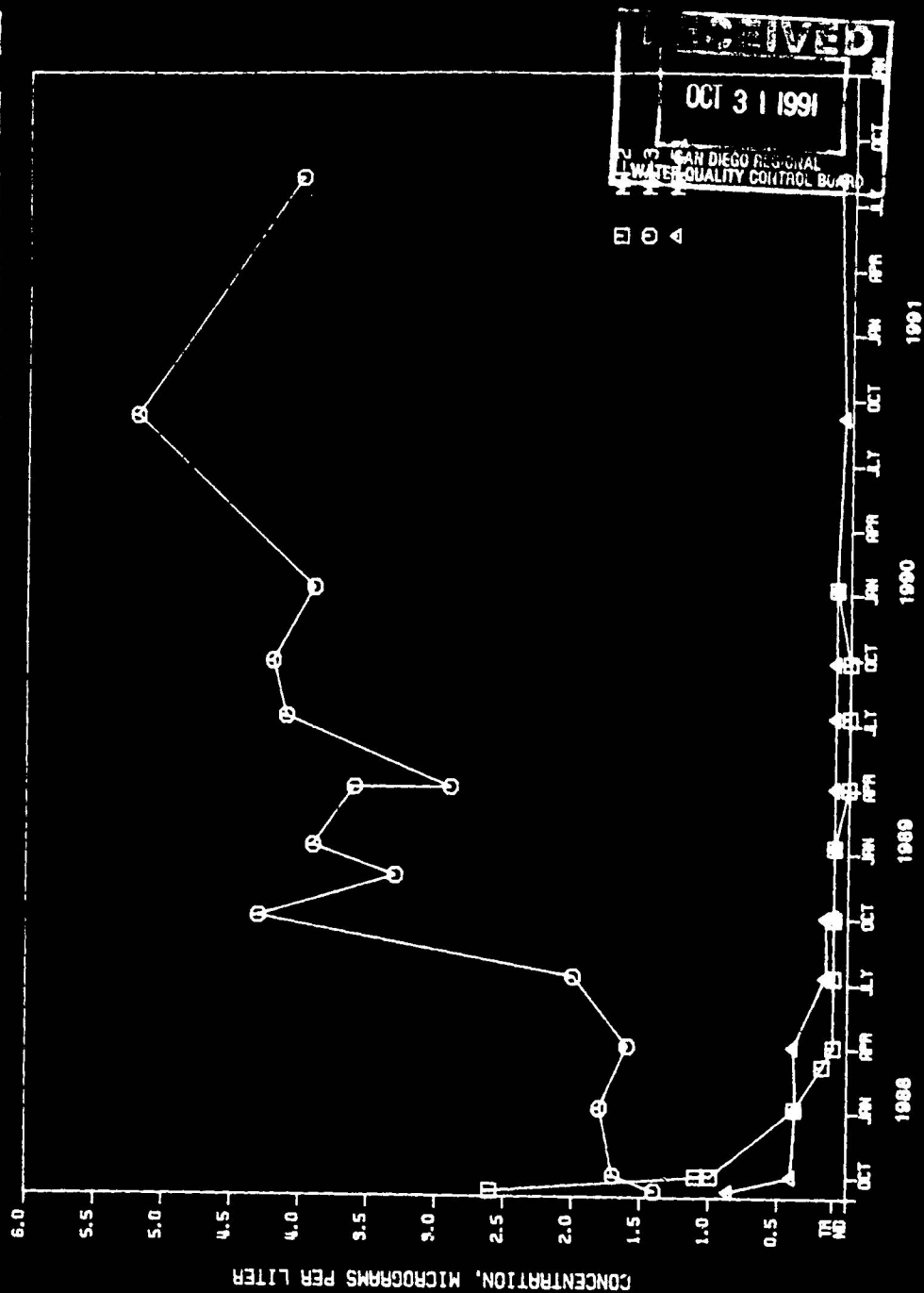


FIGURE 9. DIELDRIN CONCENTRATIONS IN MONITOR WELLS
MW-2, MW-3, AND MW-F1

TABLE A-1

RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM ABANDONED WELL AM-1

COMPOUND (micrograms per liter)	DATE SAMPLED					
	09/26/87	09/26/87	09/26/87	03/07/88	07/12/88	10/04/88
Aldrin.....	-0.100	-0.250	-0.100	0.070	0.058	0.110
alpha-BHC.....	-0.100	-0.250	-0.100	-0.050	-0.050	-0.050
beta-BHC.....	-0.100	-0.250	-0.100	-0.050	-0.050	-0.050
gamma-BHC.....	-0.100	-0.250	-0.100	-0.050	-0.050	-0.050
delta-BHC.....	-0.100	-0.250	-0.100	-0.050	-0.050	-0.050
Chlordane.....	1.200	2.800	1.300	1.600	2.400	1.100 (TR)
4,4'-DDE.....	-0.200	-0.500	-0.200	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.200	-0.500	-0.200	-0.100	-0.100	-0.100
Dieldrin.....	0.140	0.200	0.054	0.340	-0.100	0.380
alpha-Endosulfan.....	-0.100	-0.250	-0.100	-0.050	-0.050	-0.050
beta-Endosulfan.....	-0.200	-0.500	-0.200	-0.100	-0.100	-0.100
Endosulfan sulfate.....	-0.200	-0.500	-0.200	-0.100	-0.100	-0.100
Endrin.....	-0.200	-0.500	-0.200	-0.100	-0.100	-0.100
Endrin ketone(a).....	-0.200	-0.500	-0.200	-0.100	-0.100	-0.320
Heptachlor.....	-0.100	-0.250	-0.100	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.100	-0.250	-0.100	-0.050	-0.050	-0.050
Methoxychlor.....	-1.000	-2.500	-1.000	-0.500	-0.500	-0.500
PCB 1016.....	-1.000	-2.500	-1.000	-0.500	-0.500	-0.500
PCB 1221.....	-1.000	-2.500	-1.000	-0.500	-0.500	-0.500
PCB 1232.....	-1.000	-2.500	-1.000	-0.500	-0.500	-0.500
PCB 1242.....	-1.000	-2.500	-1.000	-0.500	-0.500	-0.500
PCB 1248.....	-1.000	-2.500	-1.000	-0.500	-0.500	-0.500
PCB 1254.....	-2.000	-5.000	-2.000	-1.000	-1.000	-1.000
PCB 1260.....	-2.000	-5.000	-2.000	-1.000	-1.000	-1.000
Toxaphene.....	-2.000	-5.000	-2.000	-1.000	-1.000	-1.000
Quality Assurance Code.....	BP/006	3KP/006	6KP/006	BP/006	BP/006	BP/006
Laboratory.....	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(TR) = Trace, detected at unquantifiable level

006 = Original
FD = Field duplicate
S = Split
BP = Before purging
3KP = After purging 3,000 Gallons
6KP = After purging 6,000 Gallons

HARGIS + ASSOCIATES, INC.

TABLE A-1 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM ABANDONED WELL AM-1

COMPOUND (micrograms per liter)	DATE SAMPLED							
	12/01/88	12/01/88	01/10/89	04/03/89	07/10/89	07/10/89	09/26/89	09/26/89
Aldrin.....	-0.050	(TR)-0.050	-0.050	(TR)-0.050	-0.050	(TR)-0.050	(TR)-0.050	(TR)-0.050
alpha-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Chlordane.....	1.400	0.860	0.970	1.000	(TR)-0.500	0.600	2.9	1.3
4,4'-DDE.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Dieldrin.....	0.120	0.100	0.230	0.130	(TR)-0.100	0.120	0.39	0.31
alpha-Endosulfen.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.150	-0.150
beta-Endosulfen.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endosulfen sulfate.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	-0.100	-0.100	0.120	-0.100	-0.100	-0.100	-0.100	-0.100
Heptachlor.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Methoxychlor.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1242.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1248.....	-1.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-1.000	-1.000	-1.000	-1.000	-0.500	-0.500	-0.500	-0.500
PCB 1260.....	-1.000	-1.000	-1.000	-1.000	-0.500	-0.500	-0.500	-0.500
Toxaphene.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Quality Assurance Code.....								
Laboratory.....								

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported

(TR) = Trace, detected at unquantifiable level

ORG = Original

FD = Field duplicate

S = Split

BP = Before purging

3KP = After purging 3,000 Gallons

6KP = After purging 6,000 Gallons

TABLE A-1 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM ABANDONED WELL AW-1

COMPOUND (micrograms per liter)	DATE SAMPLED	
	01/08/90	09/06/90
Aldrin.....	(TR)-0.050	-0.050
alpha-BHC.....	-0.050	-0.050
beta-BHC.....	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050
delta-BHC.....	-0.050	-0.050
Chlordane.....	1.1	(TR)-0.500
4,4'-DDE.....	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100
Dieldrin.....	0.17	(TR)-0.100
alpha-Endosulfan.....	-0.050	-0.050
beta-Endosulfan.....	-0.100	-0.100
Endosulfan sulfate.....	-0.100	-0.100
Endrin.....	-0.100	-0.100
Endrin ketone.....	-0.100	-0.100
Heptachlor.....	-0.050	-0.050
Heptachlor epoxide.....	-0.050	-0.050
Methoxychlor.....	-0.500	-0.500
PCB 1016.....	-0.500	-0.500
PCB 1221.....	-0.500	-0.500
PCB 1232.....	-0.500	-0.500
PCB 1242.....	-0.500	-0.500
PCB 1248.....	-0.500	-0.500
PCB 1254.....	-0.500	-0.500
PCB 1260.....	-0.500	-0.500
Toluene.....	-1.000	-1.000
Quality Assurance Code.....	ORG Analytical	ORG Analytical
Laboratory.....	Tech. Inc.	Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(TR) = Trace, detected at unquantifiable level
ORG = Original
FD = Field duplicate
S = Split
BP = Before purging
3KP = After purging 3,000 Gallons
6KP = After purging 6,000 Gallons

HARGIS + ASSOCIATES, INC.

TABLE A-2

RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-1

COMPOUND (micrograms per liter)	DATE SAMPLED							
	09/10/87	10/02/87	01/06/88	04/05/88	07/12/88	10/03/88	01/10/89	04/03/89
Aldrin.....	-0.050	-0.050	-0.100	-0.050	-0.050	-0.050	-0.050	-0.050
alpha-BHC.....	-0.050	-0.050	-0.100	-0.050	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.050	-0.050	-0.100	-0.050	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050	-0.100	-0.050	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.050	-0.050	-0.100	-0.050	-0.050	-0.050	-0.050	-0.050
Chlordane.....	-0.500	-0.500	(TR)-1.000	(TR)-0.500	-0.500	-0.500	-0.500	(TR)-0.500
4,4'-DDE.....	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100
Dieldrin.....	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100
alpha-Endosulfan.....	-0.050	-0.050	-0.100	-0.050	-0.050	-0.050	-0.050	-0.050
beta-Endosulfan.....	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100
Endosulfen sulfate.....	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin.....	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	-0.100	-0.100	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100
Heptachlor.....	-0.050	-0.050	-0.100	-0.050	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.050	-0.050	-0.100	-0.050	-0.050	-0.050	-0.050	-0.050
Methoxychlor.....	-0.500	-0.500	-1.000	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-0.500	-0.500	-1.000	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-0.500	-0.500	-1.000	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-0.500	-0.500	-1.000	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1242.....	-0.500	-0.500	-1.000	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1248.....	-0.500	-0.500	-1.000	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-1.000	-1.000	-2.000	-1.000	-1.000	-1.000	-1.000	-1.000
PCB 1260.....	-1.000	-1.000	-2.000	-1.000	-1.000	-1.000	-1.000	-1.000
Toxaphene.....	-1.000	-1.000	-2.000	-1.000	-1.000	-1.000	-1.000	-1.000
Quality Assurance Code.....	ORG	ORG	ORG	ORG	ORG	ORG	ORG	ORG
Laboratory.....	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed(-) = Less than numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported

(TR) = Trace, detected at unquantifiable level

ORG = Original

FD = Field duplicate

S = Split

BP = Before purging

3KP = After purging 3,000 Gallons

6KP = After purging 6,000 Gallons

HARGIS + ASSOCIATES, INC.

TABLE A-2 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-1

COMPOUND (micrograms per liter)	DATE SAMPLED	
	07/11/89	01/08/90
Aldrin.....	-0.050	-0.050
alpha-BHC.....	-0.050	-0.050
beta-BHC.....	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050
delta-BHC.....	-0.050	-0.050
Chlordane.....	-0.500	-0.500
4,4'-DDE.....	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100
Dieldrin.....	-0.100	-0.100
alpha-Endosulfan.....	-0.050	-0.050
beta-Endosulfan.....	-0.100	-0.100
Endosulfan sulfate.....	-0.100	-0.100
Endrin.....	-0.100	-0.100
Endrin ketone.....	-0.100	-0.100
Heptachlor.....	-0.050	-0.050
Heptachlor epoxide.....	-0.050	-0.050
Methoxychlor.....	-0.500	-0.500
PCB 1016.....	-0.500	-0.500
PCB 1221.....	-0.500	-0.500
PCB 1232.....	-0.500	-0.500
PCB 1242.....	-0.500	-0.500
PCB 1248.....	-0.500	-0.500
PCB 1254.....	-0.500	-0.500
PCB 1260.....	-0.500	-0.500
Toxaphene.....	-1.000	-1.000
Quality Assurance Code.....	ORG	FD
Laboratory.....	Analytical Tech. Inc.	Analytical Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(TR) = Traces, detected at unquantifiable level
ORG = Original
FD = Field duplicate
S = Split
BP = Before purging
3KP = After purging 3,000 Gallons
6KP = After purging 6,000 Gallons

TABLE A-3

RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-2

COMPOUND (micrograms per liter)	DATE SAMPLED					
	09/10/87	10/02/87	10/02/87	01/06/88	03/07/88	04/05/88
Aldrin.....	-0.500	-0.250	-0.250	-0.100	-0.050	-0.050
alpha-BHC.....	-0.500	-0.250	-0.250	-0.100	-0.050	-0.050
beta-BHC.....	-0.500	-0.250	-0.250	-0.100	-0.050	-0.050
gamma-BHC.....	-0.500	-0.250	-0.250	-0.100	-0.050	-0.050
delta-BHC.....	-0.500	-0.250	-0.250	-0.100	-0.050	-0.050
Chlordane.....	-1.000	-0.500	-0.500	(TR)-1.000	(TR) 0.310	(TR)-0.500
4,4'-DDE.....	-1.000	-0.500	-0.500	-0.200	-0.100	-0.100
4,4'-DDD.....	-1.000	-0.500	-0.500	-0.200	-0.100	-0.100
4,4'-DDT.....	-1.000	-0.500	-0.500	-0.200	-0.100	-0.100
Dieldrin.....	2.600	1.100	0.990	0.380	0.180	(TR)-0.100
alpha-Endosulfen.....	-0.500	-0.250	-0.250	-0.100	-0.050	-0.050
beta-Endosulfen.....	-1.000	-0.500	-0.500	-0.200	-0.100	-0.100
Endosulfen sulfate.....	-1.000	-0.500	-0.500	-0.200	-0.100	-0.100
Endrin.....	-1.000	-0.500	-0.500	-0.200	-0.100	-0.100
Endrin ketone.....	-1.000	-0.500	-0.500	-0.200	-0.100	-0.100
Heptachlor.....	-0.500	-0.250	-0.250	-0.100	-0.050	-0.050
Heptachlor epoxide.....	-0.500	-0.250	-0.250	-0.100	-0.050	-0.050
Methoxychlor.....	-5.000	-2.500	-2.500	-1.000	-0.500	-0.500
PCB 1016.....	-5.000	-2.500	-2.500	-1.000	-0.500	-0.500
PCB 1221.....	-5.000	-2.500	-2.500	-1.000	-0.500	-0.500
PCB 1232.....	-5.000	-2.500	-2.500	-1.000	-0.500	-0.500
PCB 1242.....	-5.000	-2.500	-2.500	-1.000	-0.500	-0.500
PCB 1248.....	-5.000	-2.500	-2.500	-1.000	-0.500	-0.500
PCB 1254.....	-10.000	-5.000	-5.000	-2.000	-1.000	-1.000
PCB 1260.....	-10.000	-5.000	-5.000	-2.000	-1.000	-1.000
Toxaphene.....	-10.000	-5.000	-5.000	-2.000	-1.000	-1.000
Quality Assurance Code.....	ORG	ORG	FD	ORG	S	ORG
Laboratory.....	Analytical	Analytical	Analytical	Analytical	S-CHECKED	Analytical
	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown

(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound

(---) = Not analyzed/reported

(TR) = Trace, detected at unquantifiable level

ORG = Original

FD = Field duplicate

S = Split

BP = Before purging

ACP = After purging 3,000 Gallons

GP = After purging 6,000 Gallons

TABLE A-3 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-2

COMPOUND (micrograms per liter)	DATE SAMPLED					
	10/03/88	01/10/89	04/03/89	07/11/89	09/26/89	01/08/90
Aldrin.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
alpha-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Chlordane.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
4,4'-DDE.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
<hr/>						
Dieldrin.....	(TR)-0.100	(TR)-0.100	-0.100	-0.100	-0.100 (TR)	-0.100
alpha-Endosulfan.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-Endosulfan.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endosulfan sulfate.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin.....	-0.200	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Heptachlor.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
<hr/>						
Methoxychlor.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1242.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1248.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-1.000	-1.000	-1.000	-0.500	-0.500	-0.500
PCB 1260.....	-1.000	-1.000	-1.000	-0.500	-0.500	-0.500
Toxaphene.....	-1.000	-1.000	-1.000	-1.000	-1.000	-0.500
<hr/>						
Quality Assurance Code.....	ORG Analytical Tech. Inc.	ORG Analytical Tech. Inc.	ORG Analytical Tech. Inc.	FD Analytical Tech. Inc.	ORG Analytical Tech. Inc.	ORG Analytical Tech. Inc.
Laboratory.....						

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown

(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
 (---) = Not analyzed/reported
 (TR) = Trace, detected at unquantifiable level
 ORG = Original
 FD = Field duplicate
 S = Split
 BP = Before purging
 3BP = After purging 3,000 Gallons
 6BP = After purging 6,000 Gallons

HARGIS + ASSOCIATES, INC.

TABLE A-4

RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-3

COMPOUND (micrograms per liter)	DATE SAMPLED							
	09/10/87	10/02/87	01/06/88	01/06/88	04/06/88	07/12/88	10/04/88	12/01/88
Aldrin.....	-0.250	-0.500	-0.500	-0.250	-0.250	-0.500	-0.050	-0.250
alpha-BHC.....	-0.250	-0.500	-0.500	-0.250	-0.250	-0.500	-0.050	-0.250
beta-BHC.....	-0.250	-0.500	-0.500	-0.250	-0.250	-0.500	-0.050	-0.250
gamma-BHC.....	-0.250	-0.500	-0.500	-0.250	-0.250	-0.500	-0.050	-0.250
delta-BHC.....	-0.250	-0.500	-0.500	-0.250	-0.250	-0.500	-0.050	-0.250
Chlordane.....	-2.500	-5.000	(TR)-5.000	(TR)-2.500	(TR)-2.500	(TR)-5.000	0.770	-2.500
4,4'-DDE.....	-0.500	-1.000	-1.000	-0.500	-0.500	-1.000	-0.100	-0.500
4,4'-DDT.....	-0.500	-1.000	-1.000	-0.500	-0.500	-1.000	-0.100	-0.500
Dieldrin.....	1.400	1.700	1.800	1.800	1.600	2.000	4.300	3.300
alpha-Endosulfan.....	-0.500	-0.500	-0.500	-0.250	-0.250	-0.500	-0.050	-0.250
beta-Endosulfan.....	-0.500	-1.000	-1.000	-0.500	-0.500	-1.000	-0.100	-0.500
Endosulfan sulfate.....	-0.500	-1.000	-1.000	-0.500	-0.500	-1.000	-0.100	-0.500
Endrin.....	-0.500	-1.000	-1.000	-0.500	-0.500	-1.000	-0.100	-0.500
Endrin ketone(s).....	-0.500	-1.000	-1.000	-0.500	-0.500	-1.000	2.600	2.500
Heptachlor.....	-0.250	-0.500	-0.500	-0.250	-0.250	-0.500	-0.050	-0.250
Heptachlor epoxide.....	-0.250	-0.500	-0.500	-0.250	-0.250	-0.500	-0.050	-0.250
Methoxychlor.....	-2.500	-5.000	-5.000	-2.500	-2.500	-5.000	-0.500	-2.500
PCB 1016.....	-2.500	-5.000	-5.000	-2.500	-2.500	-5.000	-0.500	-2.500
PCB 1221.....	-2.500	-5.000	-5.000	-2.500	-2.500	-5.000	-0.500	-2.500
PCB 1232.....	-2.500	-5.000	-5.000	-2.500	-2.500	-5.000	-0.500	-2.500
PCB 1242.....	-2.500	-5.000	-5.000	-2.500	-2.500	-5.000	-0.500	-2.500
PCB 1248.....	-2.500	-5.000	-5.000	-2.500	-2.500	-5.000	-0.500	-2.500
PCB 1254.....	-5.000	-10.000	-10.000	-5.000	-2.500	-5.000	-1.000	-5.000
PCB 1260.....	-5.000	-10.000	-10.000	-5.000	-5.000	-1.000	-1.000	-5.000
Toluene.....	-5.000	-10.000	-10.000	-5.000	-5.000	-1.000	-1.000	-5.000
Quality Assurance Code.....	ORG	ORG	ORG	FD	ORG	ORG	ORG	ORG
Laboratory.....	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound

(---) = Not analyzed/reported

(TR) = Trace, detected at unquantifiable level

ORG = Original

FD = Field duplicate

S = Split

BP = Before purging

3KP = After purging 3,000 Gallons

6KP = After purging 6,000 Gallons

HARGIS + ASSOCIATES, INC.

TABLE A-4 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-3

COMPOUND (microgram per liter)	DATE SAMPLED					
	01/10/89	01/10/89	04/03/89	07/11/89	09/28/89	09/08/90
Aldrin.....	-0.500	-0.500	-0.250	-0.150	-0.500	-0.250
alpha-BHC.....	-0.500	-0.500	-0.250	-0.150	-0.500	-0.250
beta-BHC.....	-0.500	-0.500	-0.250	-0.150	-0.500	-0.250
gamma-BHC.....	-0.500	-0.500	-0.250	-0.150	-0.500	-0.250
delta-BHC.....	-0.500	-0.500	-0.250	-0.150	-0.500	-0.250
Chlordane.....	-5.000	-5.000	(TR)-2.500	(TR)-1.500	-0.500	-0.250
4,4'-DDE.....	-1.000	-1.000	-0.500	-0.300	-1.000	(TR)-2.500
4,4'-DDT.....	-1.000	-1.000	-0.500	-0.300	-1.000	-0.500
Disin.....	3.900	3.200	3.600	2.900	4.100	5.2
alpha-Endosulfan.....	-0.500	-0.500	-0.250	-0.150	-0.500	-0.250
beta-Endosulfan.....	-1.000	-1.000	-0.500	-0.300	-1.000	-0.500
Endosulfan sulfate.....	-1.000	-1.000	-0.500	-0.300	-1.000	-0.500
Endrin.....	-1.000	-1.000	-0.500	-0.300	-1.000	-0.500
Endrin ketone(s).....	1.200	1.300	0.800	0.900	1.500	0.800
Heptachlor.....	-0.500	-0.500	-0.250	-0.150	-0.500	-0.250
Heptachlor epoxide.....	-0.500	-0.500	-0.250	-0.150	-0.500	-0.250
Methoxychlor.....	-5.000	-5.000	-2.500	-1.500	-5.000	-2.500
PCB 1018.....	-5.000	-5.000	-2.500	-1.500	-5.000	-2.500
PCB 1221.....	-5.000	-5.000	-2.500	-1.500	-5.000	-2.500
PCB 1232.....	-5.000	-5.000	-2.500	-1.500	-5.000	-2.500
PCB 1242.....	-5.000	-5.000	-2.500	-1.500	-5.000	-2.500
PCB 1246.....	-5.000	-5.000	-2.500	-1.500	-5.000	-2.500
PCB 1254.....	-10.000	-10.000	-5.000	-3.000	-5.000	-2.500
PCB 1260.....	-10.000	-10.000	-5.000	-3.000	-5.000	-2.500
Tenachlor.....	-10.000	-10.000	-5.000	-3.000	-10.000	-5.000
Quality Assurance Code.....	ORG	FD(b)	ORG	FD	ORG	ORG
Laboratory.....	Analytical	Analytical	Analytical	Analytical	Analytical	Analytical
	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(TR) = Traces, detected at unquantifiable level
ORG = Original
FD = Field duplicate
S = Split
BP = Before purging
3BP = After purging 3,000 Gallons
6BP = After purging 6,000 Gallons

TABLE A-4 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-3

COMPOUND (micrograms per liter)	DATE SAMPLED 08/06/91
Aldrin.....	-0.5
alpha-BHC.....	-0.5
beta-BHC.....	-0.5
gamma-BHC.....	-0.5
delta-BHC.....	-0.5
Chlordane.....	-1
4,4'-DDE.....	-1
4,4'-DDT.....	-1
4,4'-DDT.....	-1
Dieldrin.....	4.0
alpha-Endosulfan.....	-0.5
beta-Endosulfan.....	-1
Endosulfan sulfate.....	-1
Endrin.....	-1
Endrin ketone(s).....	-1
Heptachlor.....	-0.5
Heptachlor epoxide.....	-0.5
Methoxychlor.....	-5
PCB 1016.....	-5
PCB 1221.....	-5
PCB 1232.....	-5
PCB 1242.....	-5
PCB 1248.....	-5
PCB 1254.....	-5
PCB 1260.....	-5
Toxaphene.....	-10
Quality Assurance Code.....	006
Laboratory.....	Analytical Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(TB) = Trace, detected at unquantifiable level
006 = Original
FD = Field duplicate
S = Split
BP = Before purging
3BP = After purging 3,000 gallons
6BP = After purging 6,000 gallons

TABLE A-5
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-4

COMPOUND (micrograms per liter)	09/06/80	09/10/87	10/02/87	01/06/88	04/05/88	07/12/88	10/03/88
Aldrin.....	-0.250	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
alpha-BHC.....	-0.250	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.250	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.250	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.250	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Chlordane.....	2.6	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
4,4'-DDE.....	-0.500	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.500	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.500	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Dieldrin.....	4.1	-0.100	-0.100 (TR)	-0.100 (TR)	-0.100 (TR)	-0.100	-0.100
alpha-Endosulfan.....	-0.250	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-Endosulfan.....	-0.500	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endosulfan sulfate.....	-0.500	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin.....	-0.500	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	0.64	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Heptachlor.....	-0.250	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.250	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Methoxychlor.....	-2.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-2.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-2.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-2.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1242.....	-2.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1248.....	-2.500	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-2.500	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
PCB 1260.....	-2.500	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Toxaphene.....	-5.00	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Quality Assurance Codes.....	FD	ORG	ORG	ORG	ORG	ORG	ORG
Laboratory.....	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown

(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound

(---) = Not analyzed/reported

(TR) = Trace, detected at unquantifiable level

ORG = Original

FD = Field duplicate

S = Split

BP = Before purging

3KP = After purging 3,000 Gallons

6KP = After purging 6,000 Gallons

TABLE A-5 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-4

COMPOUND (micrograms per liter)	DATE SAMPLED			
	01/10/89	04/03/89	07/11/89	09/26/89
Aldrin.....	-0.050	-0.050	-0.050	-0.050
alpha-BHC.....	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.050	-0.050	-0.050	-0.050
Chlordane.....	-0.500	-0.500	-0.500	-0.500
4,4'-DDO.....	-0.100	-0.100	-0.100	-0.100
4,4'-DDE.....	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100	-0.100	-0.100
Dieldrin.....	-0.100	-0.100	-0.100	-0.100
alpha-Endosulfen.....	-0.050	-0.050	-0.050	-0.050
beta-Endosulfen.....	-0.100	-0.100	-0.100	-0.100
Endosulfen sulfate.....	-0.100	-0.100	-0.100	-0.100
F.drin.....	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	-0.050	-0.050	-0.050	-0.050
Heptachlor.....	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.500	-0.500	-0.500	-0.500
Methoxychlor.....	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-0.500	-0.500	-0.500	-0.500
PCB 1242.....	-0.500	-0.500	-0.500	-0.500
PCB 1248.....	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-1.000	-1.000	-1.000	-1.000
PCB 1260.....	-1.000	-1.000	-1.000	-1.000
Toxaphene.....	-1.000	-1.000	-1.000	-1.000
Quality Assurance Code.....	ORG	ORG	ORG	ORG
Laboratory.....	Analytical	Analytical	Analytical	Analytical
	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

- (a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed
- (-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(TR) = Trace, detected at unquantifiable level
ORG = Original
FD = Field duplicate
S = Split
BP = Before purging
3KP = After purging 3,000 Gallons
6KP = After purging 6,000 Gallons

TABLE A-6

RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-5

COMPOUND (micrograms per liter)	DATE SAMPLED					
	03/07/88	03/07/88	03/07/88	04/04/88	07/11/88	10/03/88
Aldrin.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
alpha-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Chlordane.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
4,4'-DDD.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDE.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Dieldrin.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
alpha-Endosulfan.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-Endosulfan.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endosulfan sulfate.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Heptachlor.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Methoxychlor.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1242.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1248.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
PCB 1260.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Toxaphene.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Quality Assurance Code.....	ORG Analytical Tech. Inc.	FD Analytical Tech. Inc.	S S-CURED	FD S-CURED	ORG Analytical Tech. Inc.	ORG Analytical Tech. Inc.
Laboratory.....	ORG Analytical Tech. Inc.	FD Analytical Tech. Inc.	S S-CURED	FD S-CURED	ORG Analytical Tech. Inc.	ORG Analytical Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown

(b) Solids settled out of sample, liquid analyzed

(-) = Less than numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(TR) = Trace, detected at unquantifiable level

ORG = Original

FD = Field duplicate

S = Split

BP = Before purging

3KP = After purging 3,000 Gallons

6KP = After purging 6,000 Gallons

TABLE A-6 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-5

COMPOUND (microgram per liter)	DATE SAMPLED				
	01/09/89	04/04/89	07/10/89	09/08/90	08/07/91
Aldrin.....	-0.050	-0.050	-0.050	-0.050	-0.05
alpha-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.05
beta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.05
gamma-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.05
delta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.05
Chlordane.....	-0.050	-0.050	-0.050	-0.050	-0.05
4,4'-DDD.....	-0.100	-0.100	-0.100	(TR)-0.500	-0.5
4,4'-DDE.....	-0.100	-0.100	-0.100	-0.100	-0.1
4,4'-DDT.....	-0.100	-0.100	-0.100	-0.100	-0.1
Dieldrin.....	-0.100	-0.100	-0.100	(TR)-0.100	-0.1
alpha-Endosulfan.....	-0.050	-0.050	-0.050	-0.050	-0.05
beta-Endosulfan.....	-0.100	-0.100	-0.100	-0.100	-0.1
Endosulfan sulfate.....	-0.100	-0.100	-0.100	-0.100	-0.1
Endrin.....	-0.100	-0.100	-0.100	-0.100	-0.1
Endrin ketone.....	-0.100	-0.100	-0.100	-0.100	-0.1
Heptachlor.....	-0.050	-0.050	-0.050	-0.050	-0.05
Heptachlor epoxide.....	-0.050	-0.050	-0.050	-0.050	-0.05
Methoxychlor.....	-0.500	-0.500	-0.500	-0.500	-0.5
PCB 1016.....	-0.500	-0.500	-0.500	-0.500	-0.5
PCB 1221.....	-0.500	-0.500	-0.500	-0.500	-0.5
PCB 1232.....	-0.500	-0.500	-0.500	-0.500	-0.5
PCB 1242.....	-0.500	-0.500	-0.500	-0.500	-0.5
PCB 1248.....	-0.500	-0.500	-0.500	-0.500	-0.5
PCB 1254.....	-1.000	-1.000	-0.500	-0.500	-0.5
PCB 1260.....	-1.000	-1.000	-0.500	-0.500	-0.5
Tonaphene.....	-1.000	-1.000	-1.000	-1.000	-1
Quality Assurance Code.....	FD	ORIG	FD	ORIG	ORIG
Laboratory.....	Analytical	Analytical	Analytical	Analytical	Analytical
	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported

(TR) = Trace, detected at unquantifiable level

ORIG = Original

FD = Field duplicate

S = Split

BP = Before purging

SKP = After purging 3,000 Gallons

GKP = After purging 6,000 Gallons

TABLE A-7

RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-6

COMPOUND (micrograms per liter)	DATE SAMPLED					
	03/07/88	04/04/88	06/13/88	07/11/88	10/03/88	01/09/89
Aldrin.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
alpha-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Chlordane.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
4,4'-DDE.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	1.100	(TR)-0.100	-0.100	-0.100	-0.100	-0.100
Dieldrin.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
alpha-Endosulfan.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-Endosulfan.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endosulfan sulfate.....	-0.100	-0.100	-0.100	-0.100	-0.200	-0.100
Endrin.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Heptachlor.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Methoxychlor.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1242.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1248.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
PCB 1260.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Toluene.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Quality Assurance Code.....	ORG Analytical Tech. Inc.	ORG Analytical Tech. Inc.	ORG Analytical Tech. Inc.	ORG Analytical Tech. Inc.	ORG Analytical Tech. Inc.	ORG Analytical Tech. Inc.
Laboratory.....						

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown

(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported

(TR) = Trace, detected at unquantifiable level

ORG = Original

FD = Field duplicate

S = Split

BP = Before purging

3KP = After purging 3,000 Gallons

6KP = After purging 6,000 Gallons

HARGIS + ASSOCIATES, INC.

TABLE A-7 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MM-6

COMPOUND (micrograms per liter)	DATE SAMPLED			
	07/10/99	9/25/99	9/25/99	01/09/99
Aldrin.....	-0.050	-0.050	-0.050	-0.050
alpha-BHC.....	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.050	-0.050	-0.050	-0.050
Chlordane.....	-0.050	-0.050	-0.050	-0.050
4,4'-DDB.....	-0.100	-0.050	-0.050	-0.100
4,4'-DDE.....	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100	-0.100	-0.100
Dieldrin.....	-0.100	-0.100	-0.100	-0.100
alpha-Endosulfan.....	-0.050	-0.050	-0.050	-0.050
beta-Endosulfan.....	-0.100	-0.050	-0.050	-0.100
Endosulfan sulfate.....	-0.100	-0.100	-0.100	-0.100
Endrin.....	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	-0.100	-0.100	-0.100	-0.100
Heptachlor.....	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.050	-0.050	-0.050	-0.050
Methoxychlor.....	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-0.500	-0.500	-0.500	-0.500
PCB 1242.....	-0.500	-0.500	-0.500	-0.500
PCB 1248.....	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-0.500	-0.500	-0.500	-0.500
PCB 1260.....	-0.500	-0.500	-0.500	-0.500
Toxaphene.....	-1.000	-1.000	-1.000	-1.000
Quality Assurance Code.....	ORG	ORG	ORG	ORG
Laboratory.....	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown

(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound

(---) = Not analyzed/reported

(IR) = Trace, detected at unquantifiable level

ORG = Original

FD = Field duplicate

S = Split

BP = Before purging

SKP = After purging 3,000 Gallons

GKP = After purging 6,000 Gallons

HARGIS + ASSOCIATES, INC.

TABLE A-8

RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-7

COMPOUND (micrograms per liter)	DATE SAMPLED					
	03/07/88	04/04/88	07/11/88	10/03/88	01/09/89	04/04/89
Aldrin.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
alpha-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Chlordane.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDE.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDD.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Dieldrin.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
alpha-Endosulfan.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-Endosulfan.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endosulfan sulfate.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Heptachlor.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Methoxychlor.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1242.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1248.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
PCB 1260.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Toxaphene.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Quality Assurance Code.....	ORG	ORG	ORG	ORG	ORG	ORG
Laboratory.....	Analytical	Analytical	Analytical	Analytical	Analytical	Analytical
	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown

(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(18) = Trace, detected at unquantifiable level

ORG = Original

FD = Field duplicate

S = Split

BP = Before purging

3KP = After purging 3,000 Gallons

6KP = After purging 6,000 Gallons

HARGIS + ASSOCIATES, INC.

TABLE A-8 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-7

COMPOUND (micrograms per liter)	01/09/90	DATE SAMPLED 09/08/90	08/07/91
Aldrin.....	-0.050	-0.050	-0.05
alpha-BHC.....	-0.050	-0.050	-0.05
beta-BHC.....	-0.050	-0.050	-0.05
gamma-BHC.....	-0.050	-0.050	-0.05
delta-BHC.....	-0.050	-0.050	-0.05
Chlordane.....	-0.500	-0.050	-0.05
4,4'-DDD.....	-0.100	-0.500	-0.5
4,4'-DDE.....	-0.100	-0.100	-0.1
4,4'-DDT.....	-0.100	-0.100	-0.1
Dieldrin.....	-0.100	-0.100	-0.1
alpha-Endosulfan.....	-0.050	-0.100	(TR)-0.1
beta-Endosulfan.....	-0.100	-0.050	-0.05
Endosulfan sulfate.....	-0.100	-0.100	-0.1
Endrin.....	-0.100	-0.100	-0.1
Endrin ketone.....	-0.100	-0.100	-0.1
Heptachlor.....	-0.050	-0.100	-0.1
Heptachlor epoxide.....	-0.050	-0.050	-0.05
Methoxychlor.....	-0.500	-0.500	-0.5
PCB 1016.....	-0.500	-0.500	-0.5
PCB 1221.....	-0.500	-0.500	-0.5
PCB 1232.....	-0.500	-0.500	-0.5
PCB 1242.....	-0.500	-0.500	-0.5
PCB 1248.....	-0.500	-0.500	-0.5
PCB 1254.....	-0.500	-0.500	-0.5
PCB 1260.....	-0.500	-0.500	-0.5
Toxaphene.....	-1.000	-1.000	-1
Quality Assurance Code.....	ORG	ORG	ORG
Laboratory.....	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(TR) = Trace, detected at unquantifiable level
ORG = Original
FD = Field duplicate
S = Split
BP = Before purging
ACP = After purging 3,000 Gallons
GCP = After purging 6,000 Gallons

TABLE A-9

**RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-F1**

COMPOUND (micrograms per liter)	DATE SAMPLED							
	09/10/87	09/10/87	10/02/87	01/06/88	04/05/88	07/12/88	07/12/88	10/04/88
Aldrin.....	-0.250	-0.250	-0.100	0.250	0.260	0.060	0.060	0.060
alpha-BHC.....	-0.250	-0.250	-0.100	-0.100	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.250	-0.250	-0.100	-0.100	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.250	-0.250	-0.100	-0.100	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.250	-0.250	-0.100	-0.100	-0.050	-0.050	-0.050	-0.050
Chlordane.....	-2.500	-2.500	-1.000	(TR)-1.000	0.940	(TR)-0.500	(TR)-0.500	(TR)-0.500
4,4'-DDD.....	-0.500	-0.500	-0.200	-0.200	-0.100	-0.100	-0.100	-0.100
4,4'-DDE.....	-0.500	-0.500	-0.200	-0.200	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.500	-0.500	-0.200	-0.200	-0.100	-0.100	-0.100	-0.100
Dieldrin.....	0.860	0.860	0.400	0.370	0.390	0.160	0.150	0.160
alpha-Endosulfan.....	-0.250	-0.250	-0.100	-0.100	-0.050	-0.050	-0.050	-0.050
beta-Endosulfan.....	-0.500	-0.500	-0.200	-0.200	-0.100	-0.100	-0.100	-0.100
Endosulfan sulfate.....	-0.500	-0.500	-0.200	-0.200	-0.100	-0.100	-0.100	-0.100
Endrin.....	-0.500	-0.500	-0.200	-0.200	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	-0.500	-0.500	-0.200	-0.200	-0.100	-0.100	-0.100	-0.100
Heptachlor.....	-0.250	-0.250	-0.100	-0.100	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.250	-0.250	-0.100	-0.100	-0.050	-0.050	-0.050	-0.050
Methoxychlor.....	-2.500	-2.500	-1.000	-1.000	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-2.500	-2.500	-1.000	-1.000	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-2.500	-2.500	-1.000	-1.000	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-2.500	-2.500	-1.000	-1.000	-0.500	-0.500	-0.500	-0.500
PCB 1242.....	-2.500	-2.500	-1.000	-1.000	-0.500	-0.500	-0.500	-0.500
PCB 1248.....	-2.500	-2.500	-1.000	-1.000	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-5.000	-5.000	-2.000	-2.000	-1.000	-1.000	-1.000	-1.000
PCB 1260.....	-5.000	-5.000	-2.000	-2.000	-1.000	-1.000	-1.000	-1.000
Toxaphene.....	-5.000	-5.000	-2.000	-2.000	-1.000	-1.000	-1.000	-1.000
Quality Assurance Code.....	ORG	FD	ORG	ORG	ORG	ORG	FD	ORG
Laboratory.....	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.	Analytical Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

- (a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

- (-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(TR) = Trace, detected at unquantifiable level
ORG = Original
FD = Field duplicate
S = Split
BP = Before purging
3KP = After purging 3,000 Gallons
6KP = After purging 6,000 Gallons



HARGIS + ASSOCIATES, INC.

TABLE A-9 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-F1

COMPOUND (micrograms per liter)	DATE SAMPLED					
	10/07/88	01/10/89	01/10/89	04/03/89	07/11/89	09/26/89
Aldrin.....	0.050	(TR)-0.050	(TR)-0.050	(TR)-0.050	(TR)-0.050	(TR)-0.050
alpha-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Chlordane.....	(TR)-0.500	(TR)-0.500	-0.500	-0.500	-0.500	(TR)-0.500
4,4'-DDE.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Dieldrin.....	(TR)-0.100	(TR)-0.100	(TR)-0.100	(TR)-0.100	(TR)-0.100	(TR)-0.050
alpha-Endosulfan.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-Endosulfan.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endosulfan sulfate.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Heptachlor.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Methoxychlor.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1247.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 124.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-1.000	-1.000	-1.000	-1.000	-0.500	-0.500
PCB 1260.....	-1.000	-1.000	-1.000	-1.000	-0.500	-0.500
Toxaphene.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Quality Assurance Code.....	ORG	ORG	FD	ORG	ORG	ORG
Laboratory.....	Analytical	Analytical	Analytical	Analytical	Analytical	Analytical
	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

- (a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound

(---) = Not analyzed/reported

(TR) = Trace, detected at unquantifiable level

ORG = Original

FD = Field duplicate

S = Split

BP = Before purging

3KP = After purging 3,000 Gallons

6KP = After purging 6,000 Gallons

HARGIS + ASSOCIATES, INC.

TABLE A-9 (continued)
RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-F1

COMPOUND (micrograms per liter)	DATE SAMPLED 08/06/91	08/06/91
Aldrin.....	-0.05	-0.05
alpha-BHC.....	-0.05	-0.05
beta-BHC.....	-0.05	-0.05
gamma-BHC.....	-0.05	-0.05
delta-BHC.....	-0.05	-0.05
Chlordane.....	-0.05	-0.05
4,4'-DDD.....	-0.1	-0.1
4,4'-DDE.....	-0.1	-0.1
4,4'-DDT.....	-0.1	-0.1
Dieldrin.....	(TR)-0.1	(TR)-0.1
alpha-Endosulfan.....	-0.05	-0.05
beta-Endosulfan.....	-0.1	-0.1
Endosulfan sulfate.....	-0.1	-0.1
Endrin.....	-0.1	-0.1
Endrin ketone.....	-0.1	-0.1
Heptachlor.....	-0.05	-0.05
Heptachlor epoxide.....	-0.05	-0.05
Methoxychlor.....	-0.5	-0.5
PCB 1016.....	-0.5	-0.5
PCB 1221.....	-0.5	-0.5
PCB 1232.....	-0.5	-0.5
PCB 1242.....	-0.5	-0.5
PCB 1248.....	-0.5	-0.5
PCB 1254.....	-0.5	-0.5
PCB 1260.....	-0.5	-0.5
Toxaphene.....	-1	-1
Quality Assurance Cuds.....	ORG	FD
Laboratory.....	Analytical Tech. Inc.	Analytical Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settled out of sample, liquid analyzed

(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(TR) = Trace, detected at unquantifiable level
ORG = Original
FD = Field duplicate
S = Split
BP = Before purging
3KP = After purging 3,000 Gallons
6KP = After purging 6,000 Gallons

TABLE A-10

RESULTS OF ANALYSES FOR EPA ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS
IN WATER SAMPLES COLLECTED FROM MONITOR WELL MW-F2

COMPOUND (micrograms per liter)	DATE SAMPLED					
	03/07/88	03/07/88	04/04/88	07/11/88	10/03/88	01/09/88
Aldrin.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
alpha-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
gamma-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
delta-BHC.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Chlordane.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDD.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDE.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
4,4'-DDT.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Dieldrin.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
alpha-Erdsulfan.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
beta-Erdsulfan.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endosulfan sulfate.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Endrin ketone.....	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100
Heptachlor.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Heptachlor epoxide.....	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050
Methoxychlor.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1016.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1221.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1232.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1242.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1248.....	-0.500	-0.500	-0.500	-0.500	-0.500	-0.500
PCB 1254.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
PCB 1260.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Toxaphene.....	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
Quality Assurance Code.....	ORG	S	ORG	ORG	ORG	ORG
Laboratory.....	Analytical	S-CUBED	Analytical	Analytical	Analytical	Analytical
	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.	Tech. Inc.

NOTE: Trailing zeros are computer generated and do not necessarily reflect laboratory degree of accuracy

(a) Endrin ketone may be from endrin breakdown
(b) Solids settle-out of sam. liquid analyzed(-) = Less than; numerical value is the limit of quantitation for that compound
(---) = Not analyzed/reported
(TR) = Trace, detected at unquantifiable level

ORG = Original

FD = Field duplicate

S = Split

BP = Before purging

3KP = After purging 3,000 Gallons

6KP = After purging 6,000 Gallons

HARGIS + ASSOCIATES, INC.

MISSION GORGE ROAD

ACCESS ROAD

Composite	B	A	C
	<0.01	<0.005	0.008

SB-10

SIDEWALK

OFFICE

BUILDING

PAVED LOT

EXPLANATION

— X — FENCE

SB-1



SOIL SAMPLING BORING

SAMPLES COLLECTED BY
HARGIS & ASSOCIATES, INC.
AND ANALYZED BY
ANALYTICAL TECHNOLOGIES, INC.

SS1



SOIL SAMPLE SPLIT

SAMPLES COLLECTED BY
HARGIS & ASSOCIATES, INC.
AND ANALYZED BY
ANALYTICAL TECHNOLOGIES, INC.
AND S-CUBED.

Composite	B	A	C
1	3.1	<1.0	10
3	7.0	<0.5	30
5	<0.2	<0.14	<1.0
8	<0.05	0.34	<0.25
9	<0.02	0.20	0.13

Approximate Depth
below land surface, feet.

Concentration of
Dieldrin, mg/kg

Concentration of
Aldrin mg/kg

Concentration of
Chlordane mg/kg

(-) = Less than limit of quantitation
(*) = semi quantified

For locations with more than one
sample analyzed, the greatest
concentration of aldrin, dieldrin,
and chlordane were chosen from the
multiple analyses.

0	B	A	C
110	200	2,200	

Composite	B	A	C
1	3.1	<1.0	10
3	7.0	<0.5	30
5	<0.2	0.14	<1.0
8	<0.05	0.34	<0.25
9	<0.02	0.20	0.13

CEMENT PAD

Composite	B	A	C
	<0.01	<0.005	<0.05

SB-1

SS3

SB-2

SB-3

SB-4

SB-5

SB-6

SB-7

SB-8

SB-9

SB-10

SB-11

SB-12

SB-13

SB-14

SB-15

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SB-300

SB-301

SB-302

SB-303

SB-304

4.0 REMEDIAL ACTIONS

Soil remediation was implemented at the Truly Nolen site during April and July 1990. Remedial actions consisted of: soil excavation, backfilling excavated areas with clean soil, and paving the area with asphalt. In addition, ~~a~~ concrete berm was constructed to prevent surface water from flowing off-site.

Asphalt

During the period from April 14, to April 26, 1990, approximately 1,700 cubic yards of soil were excavated in accordance with Addendum No. 3 of Cleanup and Abatement Order No. 87-102 (CRWQCB, 1990a). Monitor well MW-2 was destroyed during excavation operations. The majority of the monitor well materials were excavated. Approximately 1 cubic yard of cement was poured into the monitor well excavation. The San Diego County Department of Health Services, Hazardous Materials Management Division approved the abandonment of monitor well AW-2 (San Diego County Department of Health Services, 1990).

Nine confirmatory soil samples were collected on April 25 and 26, 1990. In addition, two off-site soil samples were collected adjacent to the east side of the facility. Based on the analytical results of these soil samples, 2 additional soil samples were collected on-site and 11 additional soil samples were collected off-site (CRWQCB, 1990b).

Based on the analytical results of the off-site soil samples, the CRWQCB mandated that soil be excavated off-site in the area bordering the southeast boundary of the Truly Nolen property. Approximately 56 cubic yards of soil were excavated from off-site.

On July 18 and 19, 1990, approximately 3,000 gallons of monitor well purge water that was stored in a temporary storage tank was pumped to the Truly Nolen sanitary sewer system. This method of disposal was approved by the City of San Diego Water Utilities Department and the CRWQCB (City of San Diego, 1990). Subsequently, the temporary storage tank was removed from the site. Purge water generated during groundwater sampling is now temporarily stored on-site in



55-gallon DOT-approved steel drums. A composite water sample is collected from these drums after each sampling event. Pending the analytical results and approval from the City of San Diego Water Utilities Department, purged water will be discharged to the sanitary sewer.



5.0 REFERENCES CITED

California Regional Water Quality Control Board (CRWQCB), 1990a. Letter from CRWQCB to Paul Tremblay, Issuance of Addendum No. 3 to Cleanup and Abatement Order No. 87-102. March 23, 1990.

_____, 1990b. Letter from CRWQCB to Robert Robinson, Review of Sample Analytical Results of Confirmatory Soil Sampling. July 11, 1990.

City of San Diego, 1990. Letter from Rod Rippel of the Water Utilities Department addressed to Sam Williams, Hargis + Associates, Inc. re: Disposal of Wastewater to Metropolitan Sewage System; June 25, 1990.

San Diego County Department of Health Services, Hazardous Material Management Division, 1990. Approved monitor well abandonment permit, Control #H11538, W91513; May 23, 1990.

TABLE 3

ORGANOCHLORINE PESTICIDES
IN ALLUVIUM MONITOR WELLS AND ABANDONED WELL AW-1

.....CONCENTRATION IN MICROGRAMS PER LITER.....						
WELL ID	SAMPLE DATE	ALDRIN	DIELDRIN	CHLORDANE	4,4'-DDT	ENDRIN(a) KETONE
<u>ON-SITE</u>						
MW-1	09-10-87	-0.05	-0.1	-0.5	-0.1	-0.1
	10-02-87	-0.05	-0.1	-0.5	-0.1	-0.1
	01-06-88	-0.10	-0.2	(TR)-1.0	-0.2	-0.2
	04-05-88	-0.05	-0.1	(TR)-0.5	-0.1	-0.1
	07-12-88	-0.05	-0.1	-0.5	-0.1	-0.1
	10-03-88	-0.05	-0.1	-0.5	-0.1	-0.1
	01-10-89	-0.05	-0.1	-0.5	-0.1	-0.1
	04-03-89	-0.05	-0.1	(TR)-0.5	-0.1	-0.1
	07-11-89	-0.05	-0.1	-0.5	-0.1	-0.1
	09-26-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-08-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-08-90(D)	-0.05	-0.1	-0.5	-0.1	-0.1
MW-2	09-10-87	-0.5	2.6	-5.0	-1.0	-1.0
	10-02-87	-0.25	1.1	-2.5	-0.5	-0.1
	10-02-87(D)	-0.25	0.99	-2.5	-0.5	-0.5
	01-06-88	-0.1	0.38	(TR)-1.0	-0.2	-0.2
	03-07-88	-0.05	0.18	(TR)-0.5	-0.1	-0.1
	03-07-88(S)	-0.05	-0.1	(TR) 0.31	-0.1	-0.1
	04-05-88	-0.05	-0.1	(TR) 0.5	-0.1	-0.1
	07-12-88	-0.05	(TR)-0.1	-0.5	-0.1	-0.1
	10-03-88	-0.05	(TR)-0.1	-0.5	-0.1	-0.1
	01-10-89	-0.05	(TR)-0.1	-0.5	-0.1	-0.1
	04-03-89	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-89	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-89(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	09-26-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-08-90	-0.05	(TR)-0.1	-0.5	-0.1	-0.1
MW-3	09-10-87	-0.25	1.4	-2.5	-0.5	-0.1
	10-02-87	-0.5	1.7	-5.0	-1.0	-1.0
	01-06-88	-0.5	1.8	(TR)-5.0	-1.0	-1.0
	01-06-88(D)	-0.25	1.8	(TR)-2.5	-0.5	-0.5
	04-05-88	-0.25	1.6	(TR)-2.5	-0.5	-0.5

NOTE: Samples analyzed by Analytical Technologies, Inc. unless the sample was a split sample

(a) Endrin ketone may be from endrin breakdown

(b) Without purging

(c) After purging 3,000 gallons

(d) After purging 6,000 gallons

TR = Trace, detected at unquantifiable level

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D = Field duplicate

S = Split sample, analyzed by S-Cube



HARGIS + ASSOCIATES, INC.

TABLE 3 (continued)
ORGANOCHLORINE PESTICIDES
IN ALLUVIUM MONITOR WELLS AND ABANDONED WELL AW-1
Page 2

..... CONCENTRATION IN MICROGRAMS PER LITER.....						
WELL ID	SAMPLE DATE	ALDRIN	DIELDRIN	CHLORDANE	4,4'-DDT	ENDRIN KETONE
MW-3 (cont'd)	07-12-88	-0.5	2.0	(TR)-5.0	-1.0	-1.0
	10-04-88	-0.05	4.3	0.77	-0.1	2.6
	(cont'd) 12-01-88	-0.25	3.3	-2.5	-0.5	2.5
	01-10-89	-0.5	3.9	-5.0	-1.0	1.2
	04-03-89	-0.25	3.6	(TR)-2.5	-0.5	0.84
	04-03-89(D)	-0.15	2.9	(TR)-1.5	-0.3	0.94
	07-11-89	-0.5	4.1	-5.0	-1.0	1.5
	09-26-89	-0.5	4.2	-5.0	-1.0	2.1
	01-08-90	-0.25	3.9	-2.5	-0.5	1.0
	09-06-90	-0.25	5.2	(TR)-2.5	-0.5	0.89
	09-06-90(D)	-0.25	4.1	2.6	-0.50	0.64
MW-4	09-10-87	-0.05	-0.1	-0.5	-0.1	-0.1
	10-02-87	-0.05	-0.1	-0.5	-0.1	-0.1
	01-06-88	-0.05	(TR)-0.1	-0.5	-0.1	-0.1
	04-05-88	-0.05	(TR)-0.1	-0.5	-0.1	-0.1
	07-12-88	-0.05	-0.1	-0.5	-0.1	-0.1
	10-03-88	-0.05	-0.1	-0.5	-0.1	-0.1
	01-10-89	-0.05	-0.1	-0.5	-0.1	-0.1
	04-03-89	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-89	-0.05	-0.1	-0.5	-0.1	-0.1
	09-26-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-08-90	-0.05	-0.1	-0.5	-0.1	-0.1
AW-1	08-26-87(b)	-0.10	0.14	1.2	-0.2	-0.2
	08-26-87(c)	-0.25	0.20	2.6	-0.5	-0.5
	08-26-87(d)	-0.10	0.054	1.3	0.2	0.2
	03-07-88(b)	0.07	0.34	1.6	-0.1	-0.1
	03-07-88(b)(S)	0.058	-0.10	2.4	-0.1	-0.1
	07-12-88(b)	0.11	0.38	1.1	-0.1	-0.1
	10-04-88(b)	0.20	0.19	(TR)-0.5	-0.1	-0.1
	10-04-88(b)(D)	0.20	0.29	0.54	-0.1	0.41
	12-01-88(d)	-0.05	0.12	1.4	-0.1	0.32
	12-01-88(d)(D)	-0.05	0.10	0.86	-0.1	-0.1
	01-10-89(b)	-0.05	0.23	0.97	-0.1	-0.1
	04-03-89(b)	(TR)-0.05	0.19	1.0	-0.1	0.12
	07-10-89	-0.05	(TR)-0.1	(TR)-0.5	-0.1	-0.1

NOTE: Samples analyzed by Analytical Technologies, Inc. unless the sample was a split sample

- (a) Endrin ketone may be from endrin breakdown
- (b) Without purging
- (c) After purging 3,000 gallons
- (d) After purging 6,000 gallons

TR = Trace, detected at unquantifiable level
 (-) = Less than; numerical value is the Limit of Quantitation for that compound
 0 = Field duplicate
 S = Split sample, analyzed by S-Cube



HARGIS + ASSOCIATES, INC.

TABLE 3 (continued)
ORGANOCHLORINE PESTICIDES
IN ALLUVIUM MONITOR WELLS AND ABANDONED WELL AW-1
Page 3

..... CONCENTRATION IN MICROGRAMS PER LITER.....						
WELL ID	SAMPLE DATE	ALDRIN	DIELDRIN	CHLORDANE	4,4'-DOT	ENDRIN KETONE
AW-1 (cont'd)	07-10-89(D)	(TR)-0.05	0.12	0.60	-0.1	-0.1
	09-26-89(b)	(TR)-0.05	0.39	2.9	-0.1	-0.1
	09-26-89(D)	(TR)-0.05	0.31	1.3	-0.1	-0.1
	01-08-90(D)	(TR)-0.05	0.17	1.1	-0.1	-0.1
	09-06-90	-0.050	(TR)-0.10	(TR)-0.50	-0.10	-0.10

OFF-SITE

MW-5	03-07-88	-0.05	-0.1	-0.5	-0.1	-0.1
	03-07-88(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	03-07-88(S)	-0.05	-0.1	-0.5	-0.1	-0.1
	03-07-88(S)	-0.05	-0.1	-0.5	-0.1	-0.1
	04-04-88	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-88	-0.05	-0.1	-0.5	-0.1	-0.1
	10-03-88	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-89(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	04-04-89	-0.05	-0.1	-0.5	-0.1	-0.1
	04-04-89(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	07-10-89	-0.05	-0.1	-0.5	-0.1	-0.1
	09-25-89	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-90	-0.05	-0.1	-0.5	-0.1	-0.1
	09-06-90	-0.050	(TR)-0.10	(TR)-0.50	-0.10	-0.10
MW-6	03-07-88	-0.05	-0.1	-0.5	1.1	-0.1
	04-04-88	-0.05	-0.1	-0.5	(TR)-0.1	-0.1
	06-13-88	-0.05	-0.1	-0.5	-0.1	-0.1
	06-13-88(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-88	-0.05	-0.1	-0.5	-0.1	-0.1
	07-11-88(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	10-03-88	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-89	-0.05	-0.1	-0.5	-0.1	-0.1
	04-04-89	-0.05	-0.1	-0.5	-0.1	-0.1
	07-10-89	-0.05	-0.1	-0.5	-0.1	-0.1
	09-25-89(D)	-0.05	-0.1	-0.5	-0.1	-0.1
	01-09-90	-0.05	-0.1	-0.5	-0.1	-0.1

NOTE: Samples analyzed by Analytical Technologies, Inc. unless the sample was a split sample

(a) Endrin ketone may be from endrin breakdown

(b) Without purging

(c) After purging 3,000 gallons

(d) After purging 6,000 gallons

TR = Trace, detected at unquantifiable level

(-) = Less than; numerical value is the Limit or Quantitation for that compound

D = Field duplicate

S = Split sample, analyzed by S-Cube



HARGIS + ASSOCIATES, INC.

TABLE 3 (continued)
ORGANOCHLORINE PESTICIDES
IN ALLUVIUM MONITOR WELLS AND ABANDONED WELL AW-1
Page 5

WELL ID	SAMPLE DATE CONCENTRATION IN MICROGRAMS PER LITER.....					ENDRIN KETONE
		ALDRIN	DIELDRIN	CHLORDANE	4,4'-DDT		
MW-7	03-07-88	-0.05	-0.1	-0.5	-0.1		-0.1
	04-04-88	-0.05	-0.1	-0.5	-0.1		-0.1
	07-11-88	-0.05	-0.1	-0.5	-0.1		-0.1
	10-03-88	-0.05	-0.1	-0.5	-0.1		-0.1
	01-09-89	-0.05	-0.1	-0.5	-0.1		-0.1
	04-04-89	-0.05	-0.1	-0.5	-0.1		-0.1
	07-10-89	-0.05	-0.1	-0.5	-0.1		-0.1
	09-25-89	-0.05	-0.1	-0.5	-0.1		-0.1
	01-09-90	-0.05	-0.1	-0.5	-0.1		-0.1
	09-06-90	-0.050	-0.10	-0.50	-0.10		-0.10

NOTE: Samples analyzed by Analytical Technologies, Inc. unless the sample was a split sample

- (a) Endrin ketone may be from endrin breakdown
- (b) Without purging
- (c) After purging 3,000 gallons
- (d) After purging 6,000 gallons

- TR = Trace, detected at unquantifiable level
- (-) = Less than; numerical value is the Limit of Quantitation for that compound
- D = Field duplicate
- S = Split sample, analyzed by S-Cubed



HARGIS + ASSOCIATES, INC.

TABLE 4
ORGANOCHLORINE PESTICIDES
IN UPPER FRIARS FORMATION MONITOR WELLS

WELL ID	SAMPLE DATE	.CONCENTRATION IN MICROGRAMS PER LITER.		
		ALDRIN	DIELDRIN	CHLORDANE
ON-SITE				
MW-F1	09-10-87	-0.25	0.86	-2.5
	09-10-87 (D)	-0.25	0.86	-2.5
	10-02-87	-0.1	0.40	-1.0
	01-06-88	0.25	0.37	(TR)-1.0
	04-05-88	0.26	0.39	0.94
	07-12-88	0.06	0.16	(TR)-0.5
	07-12-88 (D)	0.06	0.15	(TR)-0.5
	10-04-88	0.06	0.16	(TR)-0.5
	10-07-88(a)	0.05	(TR)-0.1	(TR)-0.5
	01-10-89	(TR)-0.05	(TR)-0.1	(TR)-0.5
	01-10-89 (D)	(TR)-0.05	(TR)-0.1	(TR)-0.5
	04-03-89	(TR)-0.05	(TR)-0.1	-0.5
	07-11-89	-0.05	(TR)-0.1	-0.5
	09-26-89	(TR)-0.05	(TR)-0.1	-0.5
	09-06-90	(TR)-0.050	(TR)-0.050	(TR)-0.50
OFF-SITE				
MW-F2	03-07-88	-0.05	-0.1	-0.5
	03-07-88 (S)	-0.05	-0.1	-0.5
	04-04-88	-0.05	-0.1	-0.5
	07-11-88	-0.05	-0.1	-0.5
	10-03-88	-0.05	-0.1	-0.5
	01-09-89	-0.05	-0.1	-0.5
	04-04-89	-0.05	-0.1	-0.5
	07-10-89	-0.05	-0.1	-0.5
09-25-89	-0.05	-0.1	-0.5	
MW-F3	03-07-88	-0.05	-0.1	-0.5
	04-04-88	-0.05	-0.1	-0.5
	07-11-88	-0.05	-0.1	-0.5
	10-03-88	-0.05	-0.1	-0.5

NOTE: Samples analyzed by Analytical Technologies, Inc. unless the sample was a split sample

(a) After purging approximately 2,600 gallons

TR = Trace, detected at unquantifiable level

(-) = Less than; numerical value is the Limit of Quantitation for that compound

D = Field duplicate

S = Split sample, analyzed by S-Cubed



HARGIS + ASSOCIATES, INC.

TABLE 4 (continued)
ORGANOCHLORINE PESTICIDES
IN UPPER FRIARS FORMATION MONITOR WELLS
Page 2

WELL ID	SAMPLE DATE	CONCENTRATION IN MICROGRAMS PER LITER.		
		ALDRIN	DIELDRIN	CHLORDANE
MW-F3 (cont'd)	10-03-88 (D)	-0.05	-0.1	-0.5
	01-09-89	-0.05	-0.1	-0.5
	04-04-89	-0.05	-0.1	-0.5
	07-10-89	-0.05	-0.1	-0.5
	09-25-89	-0.05	-0.1	-0.5
	09-06-90	-0.050	-0.10	-0.50
MW-F4	03-07-88	-0.05	-0.1	-0.5
	04-04-88	-0.05	(TR)-0.1	-0.5
	04-04-88 (D)	-0.05	(TR)-0.1	-0.5
	06-13-88	-0.05	-0.1	-0.5
	07-11-88	-0.05	-0.1	-0.5
	10-07-88	-0.05	-0.1	-0.5
	01-09-89	-0.05	-0.1	-0.5
	07-10-89	-0.05	-0.1	-0.5
	09-26-89	-0.05	-0.1	-0.5

NOTE: Samples analyzed by Analytical Technologies, Inc. unless the sample was a split sample

(a) After purging approximately 2,600 gallons

TR = Trace, detected at unquantifiable level

(-) = Less than; numerical value is the Limit of Quantitation for that compound

D = Field duplicate

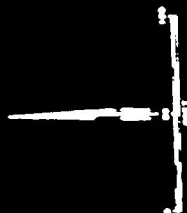
S = Split sample, analyzed by S-Cube



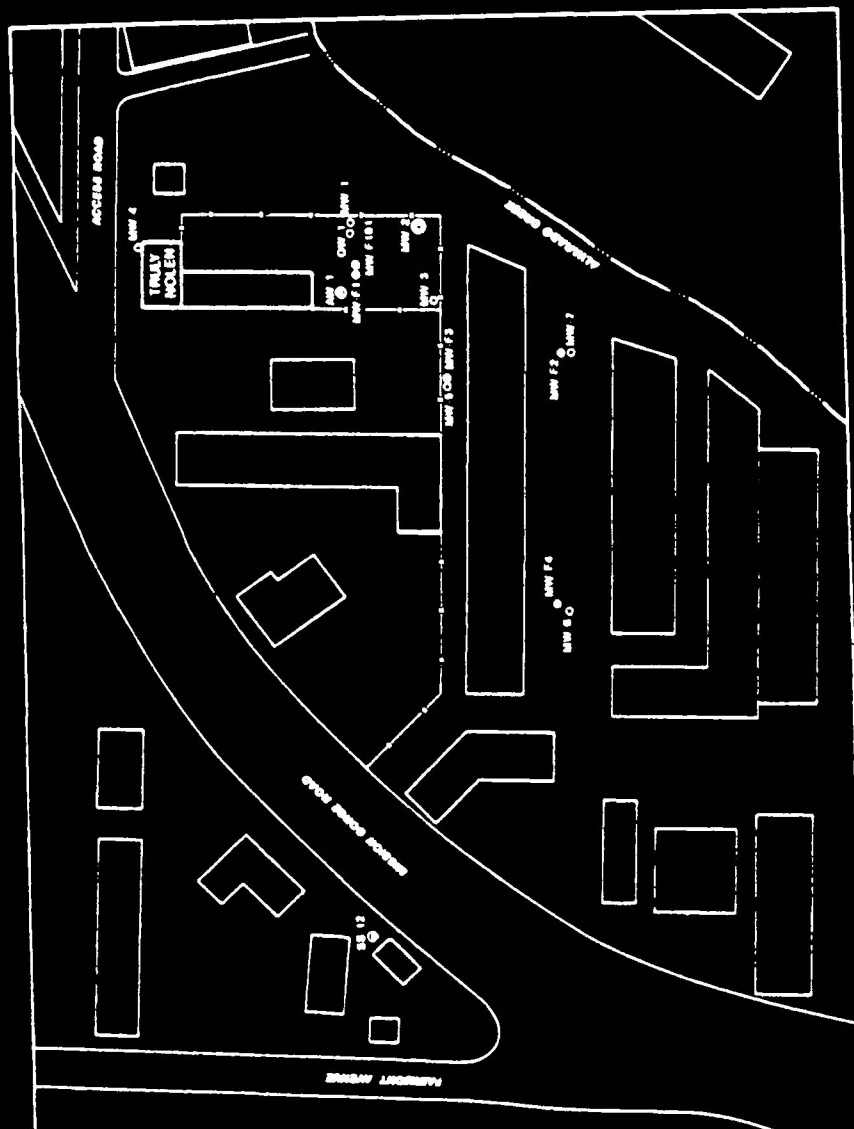
HARGIS + ASSOCIATES, INC.

EXPLANATION

- ALLUWIUM MONITOR WELL
- MW 1 CONSTRUCTED BY HARGIS & ASSOCIATES, INC.
 - MW 12 CONSTRUCTED BY HYDROTECH, INC.
 - MW 2 ABANDONED MONITOR WELL
 - MW 3 ABANDONED WATER WELL
- UPPER FRANK FORMATION MONITOR WELL
- MW F1 CONSTRUCTED BY HARGIS & ASSOCIATES, INC.
- FRANK FORMATION MONITOR WELL
- MW F10 CONSTRUCTED BY HARGIS & ASSOCIATES, INC.



TRULY MOLEN SAS 00000, 00000000	
LOCATION OF MONITOR WELLS	
HARGIS & ASSOCIATES, INC.	MWD FIGURE 1



EXPLANATION

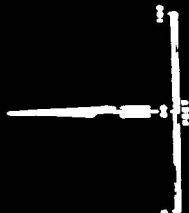
ALLUVIUM MONITOR WELL

- WELL 1 CONSTRUCTED BY HARGIS + ASSOCIATES, INC.
- WELL 2 CONSTRUCTED BY HYDROFLUENT, INC.
- WELL 3 ABANDONED WATER WELL

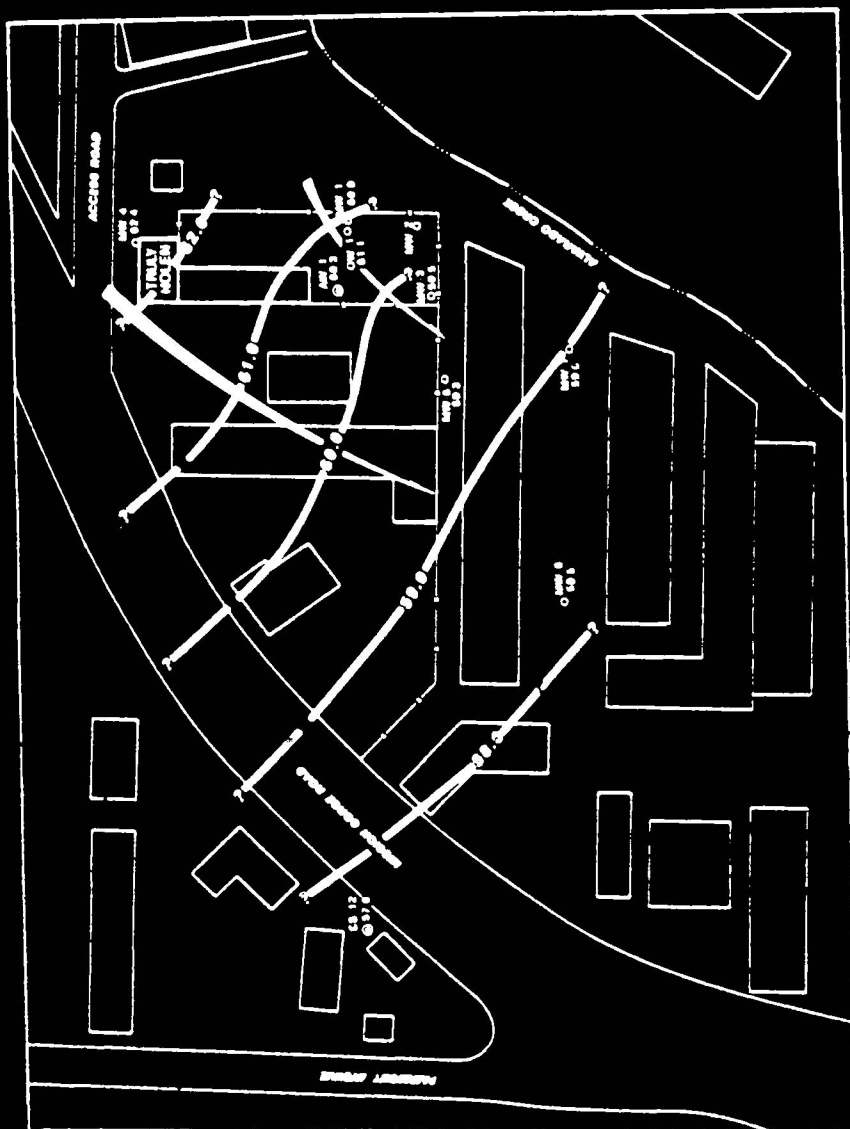
CONTOUR OF EQUAL WATER ELEVATION IN ALLUVIUM
DASHED WHERE APPROXIMATE
DOTTED WHERE MEASURED

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

NOTE: WATER LEVELS MEASURED SEPTEMBER 8, 1990



TIMOTHY MOLEN LAS VEGAS, NEVADA	
WATER LEVEL CONTOURS ALLUVIUM SEPTEMBER 1990	
HARGIS + ASSOCIATES, INC.	DATE 9/12/90
DRAWN BY C. J. BELL	



EXPLANATION

UPPER FRAMES FORMATION MONITOR WELL

WELLS 1 & 2 CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

UPPER FRAMES FORMATION MONITOR WELL

WELLS 3 & 4 CONSTRUCTED BY HARGIS + ASSOCIATES, INC.

7 6 5 4 3 2 1

CONTOUR OF EQUAL WATER LEVEL ELEVATION
IN UPPER FRAMES FORMATION
DOTTED LINES ARE APPROXIMATE
CONTURED VALUES INTERPOLATED

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

NOTE: WATER LEVEL MEASURED SEPTEMBER 6, 1969



<p>TRULY MOLEN 648 SOUTH CALIFORNIA</p>	
<p>WATER LEVEL CONTOURS UPPER FRAMES FORMATION SEPTEMBER 1969</p>	
<p>HARGIS + ASSOCIATES, INC.</p>	<p>DATE: 10/10/69 BY: JCH</p>

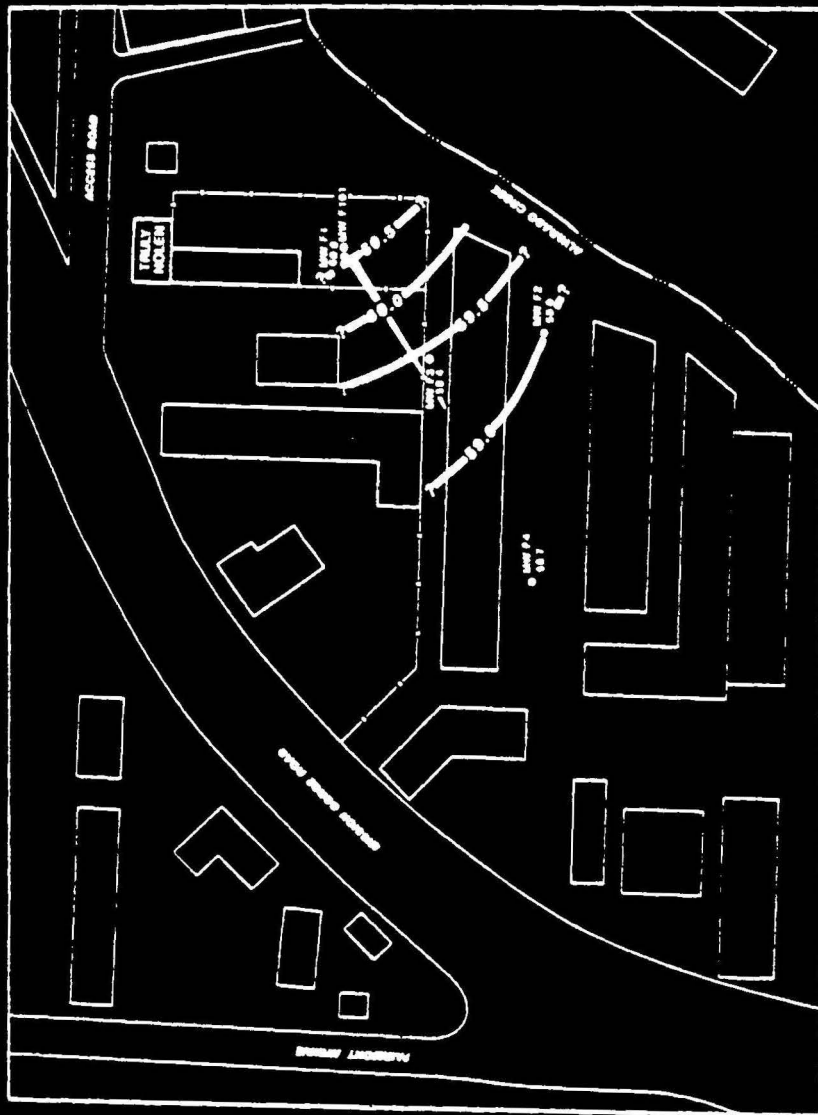


TABLE A-5 - continued
LITHOLOGIC LOG OF MONITOR WELL MW-F3

DEPTH INTERVAL (FEET BELOW LAND SURFACE)		GROUP SYMBOL*	DESCRIPTION OF MATERIAL
25.5-41	CLAYEY SAND	SC	<p>Brown, 10YR 5/3, plastic, dense; sand, fine.</p> <p>At 27-30, color change, pinkish gray, 7.5YR 6/2.</p> <p>At 30-37, color change, reddish brown, 2.5YR 5/4.</p> <p>At 37-39, color change, pinkish gray, 7.5YR 6/2.</p> <p>At 39-40, color change, brown 10YR 5/3.</p> <p>At 40-41, color change, pinkish gray, 7.5YR 6/2.</p>
41-44	CLAYEY SAND	SC	Light brownish gray, 10YR 6/2, slightly plastic, dense; sand, fine to medium, some coarse.
44-50	CLAYEY SAND	SC	Pale brown, 10YR 6/3, slightly plastic, dense; sand, fine.
50-51	CLAYEY SAND	SC	Olive gray, 5Y 5/6, slightly plastic, dense; sand, fine to medium.
51-51.5	CLAYEY GRAVELLY SAND	GC	Light brownish gray, 2.5Y 6/2, slightly plastic, dense; sand, fine to medium.

TOTAL DEPTH OF BOREHOLE: 51.5 Feet

*Unified Soil Classification System
ASTM D-2487



HARGIS + ASSOCIATES, INC.

F. Title Records



EQUITY TITLE[®]
COMPANY
Part of the TRG Family of Companies

Listing Agent:
MICHAEL HABIB

Selling Agent:
CATHY WONG

CONGRATULATIONS and THANK YOU for the new title order on
5901-5913 MISSION GORGE ROAD, SAN DIEGO, CA!

ORDER NO.: **3910319-05564**

Equity Title Company has provided a brief summary of your Preliminary Title Report. Please review the full copy of your report that follows this summary.

IMPORTANT: You should carefully consider all of the information in the Preliminary Title Report. The review below is meant as an added courtesy, not as a substitute for the actual report or as a substitute for legal advice.

Vesting

VONDELL M. FORRESTER AND VICTORIA L. BLOOD, SUCCESSOR CO-TRUSTEES OF THE NATHAN A. BLOOD 1992 TRUST DATED OCTOBER 27, 1992

Property Taxes

GENERAL AND SPECIAL TAXES FOR THE FISCAL YEAR 2019-2020

TOTAL:	\$5,901.50	
FIRST INSTALLMENT:	\$2,950.75	OPEN
SECOND INSTALLMENT:	\$2,950.75	OPEN

APN: 461-320-06

Money Matters

NONE

Requirements Prior to Closing

See Page 8 of Preliminary Title Report

Covenants, Conditions, and Restrictions

There are no covenants, conditions, and restrictions on the property.

Easements

There are easements over the property. They can be viewed in the attached report by clicking on the hyperlinked recording information.

Miscellaneous

None

We are looking forward to helping you close this transaction! Thank you and if there is anything we can do to assist you please don't hesitate to ask!

FULL COPY OF PRELIMINARY TITLE REPORT FOLLOWS
PLEASE REVIEW FOR COMPLETE DETAILS

EQUITY TITLE COMPANY

591 CAMINO DE LA REINA, SUITE 1105

SAN DIEGO, CA 92108

PHONE: (619) 574-5985

FAX: (619) 294-3298

DATED AS OF SEPTEMBER 6, 2019 AT 7:30 A.M.

STEWART TITLE OF CALIFORNIA, INC.
7676 HAZARD CENTER DR, 14TH FLOOR
San Diego, CA 92108

ATTENTION: CARLA BURCHARD

YOUR NO.: 19000481005
PROPERTY ADDRESS: 5901 - 5913 MISSION
GORGE ROAD, SAN DIEGO, CA

ORDER NO.: 3910319-05564
TITLE OFFICER: ANTHONY BRYANT AND ROGER
REINHARD
EMAIL: sdunit05@equitytitle.com

"PRELIMINARY REPORT"

IN RESPONSE TO THE ABOVE REFERENCED APPLICATION FOR A POLICY OF TITLE INSURANCE, **Equity Title Company** HEREBY REPORTS THAT IT IS PREPARED TO ISSUE, OR CAUSE TO BE ISSUED, AS OF THE DATE HEREOF, A POLICY OR POLICIES OF TITLE INSURANCE DESCRIBING THE LAND AND THE ESTATE OR INTEREST THEREIN HEREINAFTER SET FORTH, INSURING AGAINST LOSS WHICH MAY BE SUSTAINED BY REASON OF ANY DEFECT, LIEN OR ENCUMBRANCE NOT SHOWN OR REFERRED TO AS AN EXCEPTION BELOW OR NOT EXCLUDED FROM COVERAGE PURSUANT TO THE PRINTED SCHEDULES, CONDITIONS AND STIPULATIONS OF SAID POLICY FORMS.

THE PRINTED EXCEPTIONS AND EXCLUSIONS FROM THE COVERAGE OF SAID POLICY OR POLICIES ARE SET FORTH IN EXHIBIT B ATTACHED. THE POLICY TO BE ISSUED MAY CONTAIN AN ARBITRATION CLAUSE. WHEN THE AMOUNT OF INSURANCE IS LESS THAN THAT SET FORTH IN THE ARBITRATION CLAUSE, ALL ARBITRABLE MATTERS SHALL BE ARBITRATED AT THE OPTION OF EITHER THE COMPANY OR THE INSURED AS THE EXCLUSIVE REMEDY OF THE PARTIES. LIMITATIONS ON COVERED RISKS APPLICABLE TO THE CLTA AND ALTA HOMEOWNER'S POLICIES OF TITLE INSURANCE WHICH ESTABLISH A DEDUCTIBLE AMOUNT AND A MAXIMUM DOLLAR LIMIT OF LIABILITY FOR CERTAIN COVERAGES ARE SET FORTH IN THE POLICY. COPIES OF THE POLICY FORMS SHOULD BE READ. THEY ARE AVAILABLE FROM THE OFFICE THAT ISSUED THIS REPORT.

PLEASE READ THE EXCEPTIONS SHOWN OR REFERRED TO BELOW AND THE EXCEPTIONS AND EXCLUSIONS SET FORTH IN EXHIBIT B OF THIS REPORT CAREFULLY. THE EXCEPTIONS AND EXCLUSIONS ARE MEANT TO PROVIDE YOU WITH NOTICE OF MATTERS WHICH ARE NOT COVERED UNDER THE TERMS OF THE TITLE INSURANCE POLICY AND SHOULD BE CAREFULLY CONSIDERED.

IT IS IMPORTANT TO NOTE THAT THIS PRELIMINARY REPORT IS NOT A WRITTEN REPRESENTATION AS TO THE CONDITION OF TITLE AND MAY NOT LIST ALL LIENS, DEFECTS AND ENCUMBRANCES AFFECTING TITLE TO THE LAND.

THIS REPORT (AND ANY SUPPLEMENTS OR AMENDMENTS HERETO) IS ISSUED SOLELY FOR THE PURPOSE OF FACILITATING THE ISSUANCE OF A POLICY OF TITLE INSURANCE AND NO LIABILITY IS ASSUMED HEREBY. IF IT IS DESIRED THAT LIABILITY BE ASSUMED PRIOR TO THE ISSUANCE OF A POLICY OF TITLE INSURANCE, A BINDER OR COMMITMENT SHOULD BE REQUESTED.

THE FORM OF POLICY OF TITLE INSURANCE CONTEMPLATED BY THIS REPORT IS:

ALTA/CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE, IF APPLICABLE, OR

CLTA/ALTA STANDARD OWNER'S POLICY; AND/OR

ALTA LOAN POLICY, IF APPLICABLE, OR CLTA STANDARD LOAN POLICY

A SPECIFIC REQUEST SHOULD BE MADE IF ANOTHER FORM OR ADDITIONAL COVERAGE IS DESIRED.

SCHEDULE A

THE ESTATE OR INTEREST IN THE LAND HEREINAFTER DESCRIBED OR REFERRED TO COVERED BY THIS REPORT IS:

A FEE

TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS VESTED IN:

VONDELL M. FORRESTER AND VICTORIA L. BLOOD, SUCCESSOR CO-TRUSTEES OF THE NATHAN A. BLOOD 1992 TRUST DATED OCTOBER 27, 1992

THE LAND REFERRED TO IN THIS REPORT IS SITUATED IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

SEE EXHIBIT "A" ATTACHED HERETO

EXHIBIT "A"

THAT PORTION OF LOTS 1 AND 2 IN BLOCK 46, OF THE AMENDED MAP NO. 1 OF GRANTVILLE AND OUT LOTS, IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO THE MAP THEREOF [NO. 776](#), FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DEIGO COUNTY, FEBRUARY 16, 1894, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF LOT 1 IN SAID BLOCK 46; THENCE NORTH 89° 40' 45" EAST ALONG THE NORTHERLY LINE OF LOTS 1 AND 2 IN SAID BLACK 46, TO ITS INTERSECTION WITH THE SOUTHEASTERLY LINE OF COUNTY ROAD SURVEY NO. 1287 AS SAID ROAD IS DESCRIBED IN DEAD TO THE COUNTY OF SAN DIEGO DATED DECEMBER 15, 1950 AND RECORDED JANUARY 17, 1951 IN [BOOK 3935, PAGE 468](#) OF OFFICIAL RECORDS BEING THE TRUE POINT OF BEGINNING; THENCE CONTINUING NORTH 89° 40' 45" EAST ALONG THE NORTHERLY LINE OF SAID LOT 2 TO THE NORTHWEST CORNER OF LAND CONVEYED TO EARL L. HAFFER, ET UX, BY DEED DATED FEBRUARY 18, 1955, AND RECORDED MARCH 10, 1955 IN [BOOK 5561, PAGE 368](#), OF OFFICIAL RECORDS; THENCE ALONG THE BOUNDARY OF SAID EARL L. HAFFER LAND, SOUTH 13° 30' 30" EAST, 180.59 FEET TO THE NORTHWEST CORNER OF LAND CONVEYED TO TERRENCE R. CASTER, ET UX, BY DEED DATED MAY 27, 1966 AND RECORDED SEPTEMBER 7, 1965, FILE NO. [145477](#); THENCE ALONG THE BOUNDARY OF SAID TERRENCE R. CASTER LAND, SOUTH 13° 30' 30" EAST, 98.50 FEET TO THE NORTHERLY BOUNDARY OF LAND CONVEYED TO JULES C. JAUSSAUD, ET UX, BY DEED DATED NOVEMBER 30, 1939, AND RECORDED FEBRUARY 13, 1940 IN BOOK 1000. "PAGE 114 OF OFFICIAL RECORDS; THENCE ALONG THE BOUNDARY OF SAID JULUS C. JAUSSAUD LAND. SOUTH 89° 31' 45" WEST, 352.68 FEET, MORE OR LESS TO THE SOUTHEAST CORNER OF LAND CONVEYED TO DALE ARTHUR WORM, ET UX, BY DEED DATED JULY 19, 1951 AND RECORDED AUGUST 13, 1951 IN [BOOK 4201, PAGE 112](#) OF OFFICIAL RECORDS; THENCE ALONG THE EASTERLY BOUNDARY OF SAID DALE ARTHUR WORM LAND, NORTH 00° 24' 15" EAST, 239.86 FEET TO A POINT ON THE SOUTHEASTERLY LANE OF SAID COUNTY ROAD SURVEY NO. 1287; THENCE NORTHEASTERLY ALONG SAID SOUTHEASTERLY LINE TO THE TRUE POINT OF BEGINNING.

APN: 461-320-06-00

END OF LEGAL DESCRIPTION

SCHEDULE B

AT THE DATE HEREOF EXCEPTIONS TO COVERAGE IN ADDITION TO THE PRINTED EXCEPTIONS AND EXCLUSIONS IN SAID POLICY FORM DESIGNATED ON THE FACE PAGE OF THIS REPORT WOULD BE AS FOLLOWS:

A. GENERAL AND SPECIAL TAXES FOR THE FISCAL YEAR 2019-2020

TOTAL:	\$5,901.50	
FIRST INSTALLMENT:	\$2,950.75	OPEN
SECOND INSTALLMENT:	\$2,950.75	OPEN

ASSESSED VALUATION:	
LAND VALUE:	\$318,734.00
IMPROVEMENTS:	\$153,263.00
EXEMPTION:	\$0.00

CODE AREA:	08278
A. P. NO.:	461-320-06-00

B. THE LIEN OF SUPPLEMENTAL TAXES ASSESSED PURSUANT TO CHAPTER 3.5 COMMENCING WITH SECTION 75 OF THE CALIFORNIA REVENUE AND TAXATION CODE.

1. WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT SHOWN BY THE PUBLIC RECORDS.
2. A RIGHT OF WAY FOR PIPE LINES AND AQUEDUCTS OF THE SAN DIEGO FLUME COMPANY, ITS SUCCESSORS AND ASSIGNS.
3. AN EASEMENT FOR ROAD AND PUBLIC UTILITY PURPOSES AND INCIDENTAL PURPOSES RESERVED IN THE DOCUMENT.

RESERVED BY:	SOUTHERN TITLE & TRUST COMPANY, A CORPORATION
RECORDED:	JUNE 5, 1950 AS INSTRUMENT NO. 62001 , OF OFFICIAL RECORDS.

AFFECTS:	THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE FULLY DESCRIBED IN SAID INSTRUMENT.
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SAID EASEMENT HAS BEEN GRANTED AND/OR RESERVED BY VARIOUS INSTRUMENTS OF RECORDS.

4. A WAIVER OF ANY CLAIMS FOR DAMAGES BY REASON OF THE LOCATION, CONSTRUCTION, LANDSCAPING OR MAINTENANCE OF A CONTIGUOUS FREEWAY, HIGHWAY OR ROADWAY, AS CONTAINED IN THE DOCUMENT RECORDED JANUARY 15, 1951 AS INSTRUMENT NO. [7017](#), IN [BOOK 3935, PAGE 468](#), OF OFFICIAL RECORDS.
5. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR:	THE CONSTRUCTION, OPERATION AND MAINTENANCE OF A SEWER, PUMPING FACILITIES AND APPURTENANCES THERETO
RECORDED:	JUNE 4, 1951 IN BOOK 4122, PAGE 18 , OF OFFICIAL RECORDS.

AFFECTS:	THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE FULLY DESCRIBED IN SAID INSTRUMENT.
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6. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: THE CONSTRUCTION, OPERATION AND MAINTENANCE OF A SEWER
LINE
RECORDED: DECEMBER 11, 1951 IN [BOOK 4317, PAGE 189](#), OF OFFICIAL RECORDS.
AFFECTS: THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT
DISCLOSED OF RECORD.

7. THE EFFECT OF A MAP PURPORTING TO SHOW THE LAND AND OTHER PROPERTY, RECORDED
AS MAP NO. [3303](#) OF RECORD OF SURVEYS.

8. THE EFFECT OF A MAP PURPORTING TO SHOW THE LAND AND OTHER PROPERTY, RECORDED
AS SURVEY NO. [3926](#) OF RECORD OF SURVEYS.

9. AN AGREEMENT BETWEEN THE CITY OF SAN DIEGO AND FRANK F. JAUSSAUD OWNER,
RECORDED MAY 29, 1956 IN [BOOK 6120, PAGE 542](#), OF OFFICIAL RECORDS, WHEREIN SAID
OWNER AGREES TO INSTALL A PERMANENT WATER CONNECTION AND BEAR HIS
PROPORTIONATE SHARE OF THE COST, AT THE TIME THE WATER MAINS OF SAID CITY ARE
EXTENDED.

10. AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES.

GRANTED TO: THE SAN DIEGO GAS AND ELECTRIC COMPANY
RECORDED: JUNE 19, 1956 IN [BOOK 6146, PAGE 137](#), OF OFFICIAL RECORDS.
AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE
FULLY DESCRIBED IN SAID INSTRUMENT.

11. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: THE INSTALLATION AND MAINTENANCE OF A SEWER
GRANTED TO: BALBOA SERVICE CORP.
RECORDED: JULY 16, 1956 IN [BOOK 6184, PAGE 243](#), OF OFFICIAL RECORDS.
AFFECTS: THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT
DISCLOSED OF RECORD.

12. AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES.

GRANTED TO: THE SAN DIEGO GAS AND ELECTRIC COMPANY
RECORDED: FEBRUARY 20, 1957 IN [BOOK 6464, PAGE 517](#), OF OFFICIAL RECORDS.
AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE
FULLY DESCRIBED IN SAID INSTRUMENT.

13. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: THE CONSTRUCTION, OPERATION AND MAINTENANCE OF A PUBLIC
SEWER
GRANTED TO: THE CITY OF SAN DIEGO
RECORDED: JULY 11, 1957 IN [BOOK 6658, PAGE 188](#), OF OFFICIAL RECORDS
AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE
FULLY DESCRIBED IN SAID INSTRUMENT.

14. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: THE CONSTRUCTION, OPERATION AND MAINTENANCE OF WATER
LINES, PIPES AND APPURTENANCES THERETO
GRANTED TO: LANDMARK CORPORATION
RECORDED: APRIL 14, 1958 IN [BOOK 7036, PAGE 200](#), OF OFFICIAL RECORDS.
AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE
FULLY DESCRIBED IN SAID INSTRUMENT.

15. AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES.

GRANTED TO: THE SAN DIEGO GAS AND ELECTRIC COMPANY
RECORDED: JUNE 25, 1958 IN [BOOK 7138, PAGE 442](#), OF OFFICIAL RECORDS.
AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE
FULLY DESCRIBED IN SAID INSTRUMENT.

16. AN AGREEMENT DATED OCTOBER 10, 1960, EXECUTED BY AND BETWEEN BALBOA SERVICE CORPORATION AND FRANK F. JAUSSAUD AND MARION L. JAUSSAUD, REGARDING THE IMPROVEMENT AND MAINTENANCE OF AN ACROSS ROAD, RECORDED OCTOBER 24, 1960 AS INSTRUMENT NO. [210958](#) AND OCTOBER 25, 1960 AS INSTRUMENT NO. [211919](#), BOTH OF OFFICIAL RECORDS. REFERENCE IS HEREBY MADE TO SAID AGREEMENT FOR FULL PARTICULARS.

17. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: ROAD AND PUBLIC UTILITY PURPOSES
RECORDED: SEPTEMBER 7 AS INSTRUMENT NO. [145477](#), OF OFFICIAL RECORDS.
AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE
FULLY DESCRIBED IN SAID INSTRUMENT.

18. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: CONSTRUCT, RECONSTRUCT, MAINTAIN, OPERATE AND REPAIR A
PUBLIC SEWER OR SEWERS AND A STORM DRAIN OR DRAINS
GRANTED TO: THE CITY OF SAN DIEGO
RECORDED: SEPTEMBER 18, 1962 AS INSTRUMENT NO. [160879](#), OF OFFICIAL
RECORDS.
AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE
FULLY DESCRIBED IN SAID INSTRUMENT.

19. AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES.

GRANTED TO: THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY
RECORDED: SEPTEMBER 30, 1981 AS INSTRUMENT NO. [81-311098](#), OF OFFICIAL
RECORDS.
AFFECTS: THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT
DISCLOSED OF RECORD.

20. THE EFFECT OF A MAP PURPORTING TO SHOW THE LAND AND OTHER PROPERTY, RECORDED AS MAP NO. [10178](#) OF RECORD OF SURVEYS.

21. AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES.

GRANTED TO: SAN DIEGO GAS & ELECTRIC COMPANY, A CORPORATION
RECORDED: JUNE 29, 1993 AS INSTRUMENT NO. [1993-0412188](#), OF OFFICIAL RECORDS.
AFFECTS: THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD.

22. AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES.

GRANTED TO: SAN DIEGO GAS & ELECTRIC COMPANY, A CORPORATION
RECORDED: DECEMBER 8, 1995 AS INSTRUMENT NO. [1995-0559321](#), OF OFFICIAL RECORDS.
AFFECTS: THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD.

23. RIGHTS OF THE PUBLIC IN AND TO THAT PORTION OF THE LAND LYING WITHIN ANY HIGHWAY, STREET, OR ROAD.

24. THE FAILURE OF THE MAP ATTACHED TO THIS POLICY TO SHOW THE SAME LOCATION AND DIMENSIONS OF YOUR LAND AS THOSE SHOWN IN THE PUBLIC RECORDS.

25. RIGHTS OF PARTIES IN POSSESSION OF SAID LAND BY REASON OF ANY UNRECORDED LEASES.

26. ANY FACTS, RIGHTS, INTERESTS OR CLAIMS WHICH WOULD BE DISCLOSED BY A CORRECT ALTA/NSPS SURVEY.

27. OUR EXAMINATION OF RECORD TITLE TO THE HEREIN DESCRIBED LAND DOES NOT DISCLOSE ANY EXISTING LOANS. WE THEREFORE REQUIRE THE OWNERS DECLARATION ATTACHED HERETO BE SIGNED, NOTARIZED, AND RETURNED TO US BEFORE RECORDING.

28. ANY DEFECT OR INVALIDITY IN THE TITLE OF THE VESTEES IN THE EVENT SUCH TRUST IS INVALID OR FAILS TO CONFER SUFFICIENT POWERS IN THE TRUSTEES, OR IN THE EVENT THERE IS A LACK OF COMPLIANCE WITH THE TERMS AND PROVISIONS OF THE TRUST INSTRUMENTS.

29. ANY FACTS ABOUT THE LAND THAT AN INSPECTION OR INQUIRY OF PARTIES IN POSSESSION SATISFACTORY TO THE COMPANY WOULD DISCLOSE AND THAT ARE NOT SHOWN BY THE PUBLIC RECORDS.

REQUIREMENTS:

30. PRIOR TO THE ISSUANCE OF ANY POLICY OF TITLE INSURANCE, THE COMPANY WILL REQUIRE:
 - A. **THE RECEIPT AND REVIEW OF THE COMPLETED OWNER'S AFFIDAVIT SUBJECT TO FURTHER REQUIREMENTS OF THIS COMPANY.**
 - B. **THIS TRANSACTION MAY BE SUBJECT TO A CONFIDENTIAL ORDER ISSUED PURSUANT TO THE BANK SECRECY ACT. THE POLICY ISSUING AGENT MUST BE PROVIDED WITH CERTAIN INFORMATION NECESSARY TO COMPLY WITH THE CONFIDENTIAL ORDER PRIOR TO THE CLOSING. THIS TRANSACTION WILL NOT BE INSURED AND THIS ISSUING AGENT AND/OR ITS UNDERWRITER WILL NOT BE INVOLVED IN THE CLOSING AND SETTLEMENT UNTIL THIS INFORMATION IS SUBMITTED, REVIEWED AND FOUND TO BE COMPLETE.**
31. A COPY OF THE MARION L. JAUSSAUD INTER VIVOS TRUST DATED NOVEMBER 13, 1978, TOGETHER WITH ANY AMENDMENTS THERETO, TO BE PROVIDED TO THIS COMPANY.
32. WITH RESPECT TO THE TRUST(S) REFERRED TO HEREIN:
 1. A CERTIFICATION PURSUANT TO SECTION 18100.5 OF THE CALIFORNIA PROBATE CODE IN A FORM SATISFACTORY TO THE COMPANY.
 2. COPIES OF THOSE EXCERPTS FROM THE ORIGINAL TRUST DOCUMENTS AND AMENDMENTS THERETO, WHICH DESIGNATE THE TRUSTEE AND CONFER UPON THE TRUSTEE THE POWER TO ACT IN THE PENDING TRANSACTION.
 3. OTHER REQUIREMENTS WHICH THE COMPANY MAY IMPOSE FOLLOWING ITS REVIEW OF THE MATERIAL REQUIRED HEREIN AND OTHER INFORMATION WHICH THE COMPANY MAY REQUIRE.
33. STATEMENT OF INFORMATION FROM VONDELL FORRESTER.
34. STATEMENT OF INFORMATION FROM VICTORIA BLOOD.
35. WITH RESPECT TO PACIFIC WEST COMMUNITIES, INC., A CORPORATION, PRIOR TO INSURING A CONVEYANCE OR ENCUMBRANCE, THIS COMPANY WILL REQUIRE THE FOLLOWING:
 1. A CERTIFICATE OF GOOD STANDING OF RECENT DATE ISSUED BY THE SECRETARY OF STATE OF THE CORPORATION'S STATE OF DOMICILE.
 2. A CERTIFIED COPY OF A RESOLUTION OF THE BOARD OF DIRECTORS AUTHORIZING THE CONTEMPLATED TRANSACTION AND DESIGNATING WHICH CORPORATE OFFICERS SHALL HAVE THE POWER TO EXECUTE ON BEHALF OF THE CORPORATION.
 3. OTHER REQUIREMENTS WHICH THE COMPANY MAY IMPOSE FOLLOWING ITS REVIEW OF THE MATERIAL REQUIRED HEREIN AND OTHER INFORMATION WHICH THE COMPANY MAY REQUIRE.

*****END OF SCHEDULE B*****

EQUITY TITLE COMPANY

591 CAMINO DE LA REINA, SUITE 1105
SAN DIEGO, CA 92108
PHONE: (619) 574-5985

ATTENTION:

YOUR NO.: 5901 MISSION GORGE
OUR NO.: 3910319-05564
DATE: SEPTEMBER 6, 2019 AT 7:30 A.M.

ANTHONY BRYANT AND ROGER REINHARD, TITLE OFFICER

LENDERS SUPPLEMENTAL REPORT

THE ABOVE NUMBERED REPORT (INCLUDING ANY SUPPLEMENTS OR AMENDMENTS THERETO) IS HEREBY MODIFIED AND/OR SUPPLEMENTED IN ORDER TO REFLECT THE FOLLOWING ADDITIONAL ITEMS RELATING TO THE ISSUANCE OF AN AMERICAN LAND TITLE ASSOCIATION LOAN FORM POLICY AS FOLLOWS:

THIS REPORT IS PREPARATORY TO THE ISSUANCE OF AN ALTA LOAN POLICY. WE HAVE NO KNOWLEDGE OF ANY FACT WHICH WOULD PRECLUDE THE ISSUANCE OF THE POLICY WITH CLTA ENDORSEMENT FORMS 100 AND 116 ATTACHED.

WHEN ISSUED, THE CLTA ENDORSEMENT FORM 116 WILL REFERENCE **A COMMERCIAL PROPERTY**

KNOWN AS

5901-5913 MISSION GORGE ROAD, CITY OF SAN DIEGO, STATE OF CALIFORNIA.

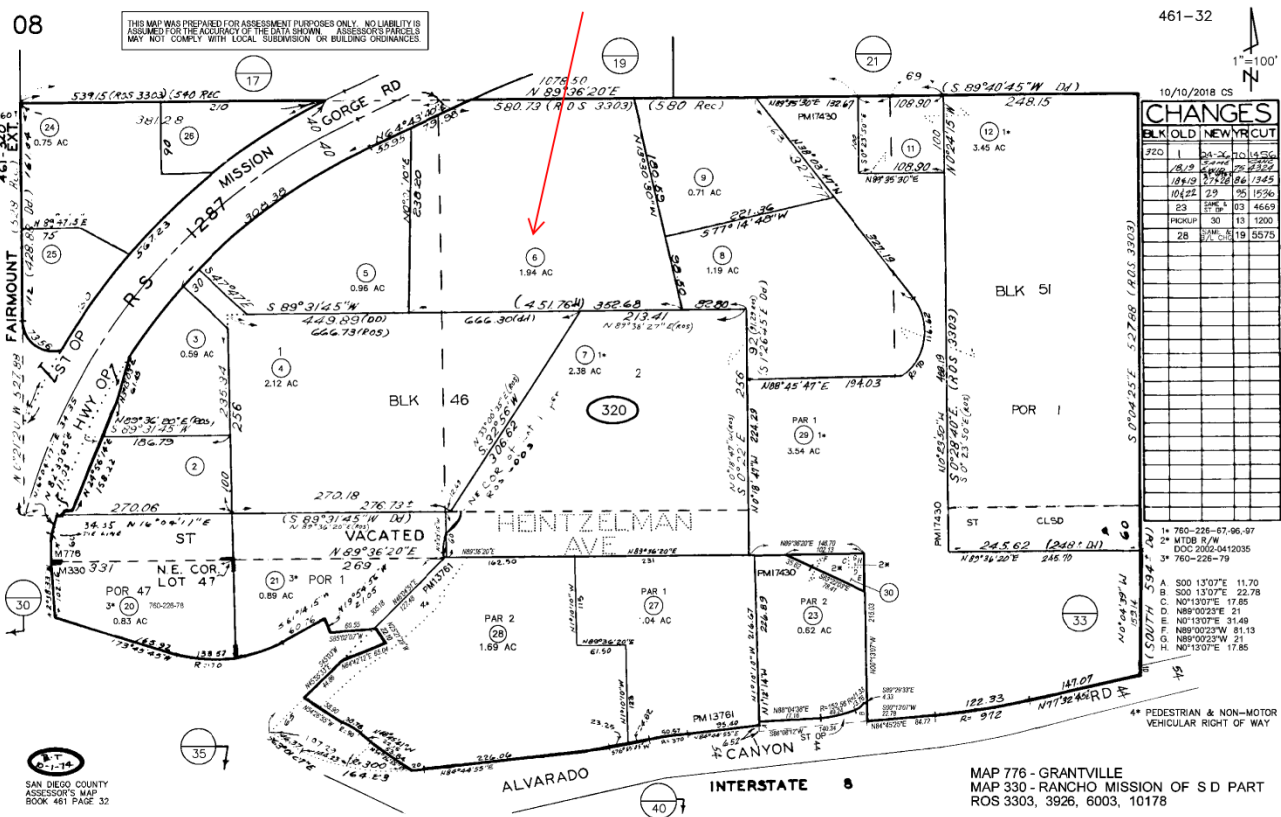
ACCORDING TO THE PUBLIC RECORDS, THERE HAVE BEEN NO DEEDS CONVEYING THE LAND DESCRIBED HEREIN WITHIN A PERIOD OF THIRTY-SIX (36) MONTHS PRIOR TO THE DATE OF THIS REPORT, EXCEPT AS FOLLOWS:

NONE.

Order: 3910319-05564
Doc: SD/A 461-32

Page 1 of 1
Public Record

Requested By: craig young, Printed: 9/20/2019 10:18 AM



This plat is for your aid in locating your land with reference to streets and other parcels. While this plat is believed to be correct, the company assumes no liability for any loss occurring by reason of reliance thereon.

ORDER NO. 3910319-05564



EQUITY TITLE[®]
COMPANY
Part of the TRG Family of Companies

Listing Agent:
MIKE HABIB

Selling Agent:
CATHY WONG

CONGRATULATIONS and THANK YOU for the new title order on
5915 MISSION GORGE ROAD, SAN DIEGO, CA 92120

ORDER NO.: 3910319-05560

Equity Title Company has provided a brief summary of your Preliminary Title Report. Please review the full copy of your report that follows this summary.

IMPORTANT: You should carefully consider all of the information in the Preliminary Title Report. The review below is meant as an added courtesy, not as a substitute for the actual report or as a substitute for legal advice.

Vesting

GREGORY S. AHRENS AND JOAN F. AHRENS, OR THEIR SUCCESSOR, AS TRUSTEE OF THE AHRENS
DECLARATION OF TRUST DATED AUGUST 20, 2015 AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST

NANCY AHRENS DEVINE, A MARRIED WOMAN, AS TO HER SOLE AND SEPARATE PROPERTY, AS TO AN
UNDIVIDED ONE-SIXTH (1/6) INTEREST

SUSAN K. O'CONNOR, A MARRIED WOMAN, AS HER SOLE AND SEPARATE PROPERTY, AS TO AN
UNDIVIDED ONE-SIXTH (1/6) INTEREST

WESLEY J. AHRENS, A MARRIED MAN, AS HIS SOLE AND SEPARATE PROPERTY, AS TO AN UNDIVIDED
ONE-SIXTH (1/6) INTEREST

MARTHA J. AHRENS, AN UNMARRIED WOMAN AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST AND

JEFFREY W. AHRENS, AN UNMARRIED MAN, AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST, AS
TENANTS IN COMMON

Property Taxes

GENERAL AND SPECIAL TAXES FOR THE FISCAL YEAR 2019-2020

TOTAL:	\$2,686.14	
FIRST INSTALLMENT:	\$1,343.07	OPEN
SECOND INSTALLMENT:	\$1,343.07	OPEN

APN: 461-320-09

Money Matters

None

Requirements Prior to Closing

See Page 7 of Preliminary Title Report

Covenants, Conditions, and Restrictions

There are no covenants, conditions, and restrictions on the property.

Easements

There are easements over the property. They can be viewed in the attached report by clicking on the hyperlinked recording information.

Miscellaneous

None

We are looking forward to helping you close this transaction! Thank you and if there is anything we can do to assist you please don't hesitate to ask!

FULL COPY OF PRELIMINARY TITLE REPORT FOLLOWS
PLEASE REVIEW FOR COMPLETE DETAILS

EQUITY TITLE COMPANY

591 CAMINO DE LA REINA, SUITE 1105

SAN DIEGO, CA 92108

PHONE: (619) 574-5985

FAX: (619) 294-3298

DATED AS OF SEPTEMBER 6, 2019 AT 7:30 A.M.

STEWART TITLE OF CALIFORNIA, INC.
7676 HAZARD CENTER DR, 14TH FLOOR
SAN DIEGO, CA 92108

ATTENTION: CARLA BURCHARD

YOUR NO.: 19000481003
PROPERTY ADDRESS: 5915 MISSION GORGE
ROAD, SAN DIEGO, CA 92120

ORDER NO.: 3910319-05560
TITLE OFFICER: ANTHONY BRYANT AND ROGER
REINHARD
EMAIL: sdunit05@equitytitle.com

"PRELIMINARY REPORT"

IN RESPONSE TO THE ABOVE REFERENCED APPLICATION FOR A POLICY OF TITLE INSURANCE, **Equity Title Company** HEREBY REPORTS THAT IT IS PREPARED TO ISSUE, OR CAUSE TO BE ISSUED, AS OF THE DATE HEREOF, A POLICY OR POLICIES OF TITLE INSURANCE DESCRIBING THE LAND AND THE ESTATE OR INTEREST THEREIN HEREINAFTER SET FORTH, INSURING AGAINST LOSS WHICH MAY BE SUSTAINED BY REASON OF ANY DEFECT, LIEN OR ENCUMBRANCE NOT SHOWN OR REFERRED TO AS AN EXCEPTION BELOW OR NOT EXCLUDED FROM COVERAGE PURSUANT TO THE PRINTED SCHEDULES, CONDITIONS AND STIPULATIONS OF SAID POLICY FORMS.

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ALTA/CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE, IF APPLICABLE, OR

CLTA/ALTA STANDARD OWNER'S POLICY; AND/OR

ALTA LOAN POLICY, IF APPLICABLE, OR CLTA STANDARD LOAN POLICY

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SCHEDULE A

THE ESTATE OR INTEREST IN THE LAND HEREINAFTER DESCRIBED OR REFERRED TO COVERED BY THIS REPORT IS:

A FEE AS TO PARCEL 1, AN EASEMENT AS TO PARCEL 2.

TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS VESTED IN:

GREGORY S. AHRENS AND JOAN F. AHRENS, OR THEIR SUCCESSOR, AS TRUSTEE OF THE AHRENS DECLARATION OF TRUST DATED AUGUST 20, 2015 AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST

NANCY AHRENS DEVINE, A MARRIED WOMAN, AS TO HER SOLE AND SEPARATE PROPERTY, AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST

SUSAN K. O'CONNOR, A MARRIED WOMAN, AS HER SOLE AND SEPARATE PROPERTY, AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST

WESLEY J. AHRENS, A MARRIED MAN, AS HIS SOLE AND SEPARATE PROPERTY, AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST

MARTHA J. AHRENS, AN UNMARRIED WOMAN AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST AND

JEFFREY W. AHRENS, AN UNMARRIED MAN, AS TO AN UNDIVIDED ONE-SIXTH (1/6) INTEREST, AS TENANTS IN COMMON

THE LAND REFERRED TO IN THIS REPORT IS SITUATED IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

SEE EXHIBIT "A" ATTACHED HERETO

EXHIBIT "A"

PARCEL 1:

THAT PORTION OF LOT 2, BLOCK 46 OF THE AMENDED MAP NO. 1 OF GRANTVILLE SAND OUTLOTS, IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. [776](#), FILED IN THE COUNTY RECORDER OF SAID SAN DIEGO COUNTY, FEBRUARY 16, 1894, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE NORTHERLY LINE OF SAID LOT 2, DISTANT THEREON NORTH 89° 36' 20" EAST, (RECORD NORTH 89° 40' 45" EAST), 945.83 FEET FROM THE NORTHWESTERLY CORNER OF LOT 1 IN SAID BLOCK 46, SAID POINT BEING THE NORTHWESTERLY CORNER OF THE LAND FIRST DESCRIBED IN DEED TO SIM J. HARRIS COMPANY, RECORDED JANUARY 7, 1954 AS DOCUMENT NUMBER [2374](#), IN [BOOK 5104, PAGE 550](#) OF OFFICIAL RECORDS; THENCE SOUTH 38° 11' 40" EAST, ALONG THE SOUTHWESTERLY LINE OF SAID LAND, 163.00 FEET; THENCE SOUTH 77° 19' 48" WEST, 221.36 FEET; THENCE NORTH 13° 30' 30" WEST, 180.59 FEET TO A POINT IN SAID NORTHERLY LINE OF SAID LOT 2, DISTANT THEREON SOUTH 89° 36' 20" WEST, 157.40 FEET FROM THE POINT OF BEGINNING; THENCE NORTH 89° 36' 20" EAST, ALONG SAID NORTHERLY LINE, 157.46 FEET TO THE POINT OF BEGINNING.

PARCEL 2:

A RIGHT OF WAY FOR ROAD AND PUBLIC UTILITY PURPOSES OVER AND ACROSS THAT PORTION OF THE NORTH 15 FEET OF BLOCK 46 AND THE SOUTH 15 FEET OF BLOCK 47 OF THE AMENDED MAP NO. 1 OF GRANTVILLE AND OUTLOTS, IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. [776](#), LYING EASTERLY OF THE EASTERLY LINE OF MISSION GORGE ROAD AND WESTERLY OF THE NORTHERLY EXTENSION OF THE EAST LINE OF PARCEL NO. 1 ABOVE.

EXCEPTING THEREFROM THAT PORTION THEREOF LYING WITHIN PARCEL NO. 4 ABOVE DESCRIBED.

END OF LEGAL DESCRIPTION

SCHEDULE B

AT THE DATE HEREOF EXCEPTIONS TO COVERAGE IN ADDITION TO THE PRINTED EXCEPTIONS AND EXCLUSIONS IN SAID POLICY FORM DESIGNATED ON THE FACE PAGE OF THIS REPORT WOULD BE AS FOLLOWS:

A. GENERAL AND SPECIAL TAXES FOR THE FISCAL YEAR 2019-2020

TOTAL:	\$2,686.14	
FIRST INSTALLMENT:	\$1,343.07	OPEN
SECOND INSTALLMENT:	\$1,343.07	OPEN

ASSESSED VALUATION:	
LAND VALUE:	\$114,499.00
IMPROVEMENTS:	\$100,187.00
EXEMPTION:	\$0.00

CODE AREA:	08278
A. P. NO.:	461-320-09-00

B. THE LIEN OF SUPPLEMENTAL TAXES ASSESSED PURSUANT TO CHAPTER 3.5 COMMENCING WITH SECTION 75 OF THE CALIFORNIA REVENUE AND TAXATION CODE.

1. WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT SHOWN BY THE PUBLIC RECORDS.
2. RIGHT OF WAY FOR PIPE LINES AND FLUMES OF THE SAN DIEGO FLUME COMPANY, A CORPORATION, ITS SUCCESSORS OR ASSIGNS.
3. AN EASEMENT FOR ROAD, PUBLIC UTILITIES AND INCIDENTAL PURPOSES RESERVED IN THE DOCUMENT.

RESERVED BY:	SOUTHERN TITLE & TRUST COMPANY, A CORPORATION
RECORDED:	JUNE 5, 1950 IN BOOK 3646, PAGE 81 , OF OFFICIAL RECORDS.

AFFECTS:	THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE FULLY DESCRIBED IN SAID INSTRUMENT.
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4. AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES.

GRANTED TO:	SAN DIEGO GAS & ELECTRIC COMPANY, A CORPORATION
RECORDED:	JUNE 20, 1952 IN BOOK 4501, PAGE 575 , OF OFFICIAL RECORDS.
AFFECTS:	THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE FULLY DESCRIBED IN SAID INSTRUMENT.

5. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR:	ROAD, PUBLIC UTILITIES AND INCIDENTAL PURPOSES
GRANTED TO:	SIM J. HARRIS COMPANY, A CORPORATION
RECORDED:	JANUARY 7, 1954 IN BOOK 5104, PAGE 550 , OF OFFICIAL RECORDS.

AFFECTS:	THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE FULLY DESCRIBED IN SAID INSTRUMENT.
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6. THE EFFECT OF A MAP PURPORTING TO SHOW THE LAND AND OTHER PROPERTY, RECORDED AS MAP NO. [3303](#) OF RECORD OF SURVEYS.

7. THE TERMS AND PROVISIONS CONTAINED IN THE DOCUMENT ENTITLED "AN AGREEMENT FOR SEWER CONNECTIONS", EXECUTED BY AND BETWEEN THE CITY OF SAN DIEGO AND FRANK F. JAUSSAUD, RECORDED JULY 9, 1954 IN [BOOK 5295, PAGE 140](#), OF OFFICIAL RECORDS.

8. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: PUBLIC SEWER
GRANTED TO: THE CITY OF SAN DIEGO, A MUNICIPAL CORPORATION
RECORDED: APRIL 11, 1950 IN [BOOK 3575, PAGE 213](#), OF OFFICIAL RECORDS.

AFFECTS: THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD.

9. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: SEWER PURPOSES
RECORDED: JUNE 4, 1951 IN [BOOK 4122, PAGE 18](#), OF OFFICIAL RECORDS.

AFFECTS: THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD.

10. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: THE PURPOSE OF A RIGHT OF WAY FOR THE CONSTRICTION,
OPERATION, AND MAINTENANCE OF A SEWER LINE
GRANTED TO: JOHN O. MATTHEWS AND LESALIE M. MATTHEWS
RECORDED: DECEMBER 11, 1951 IN [BOOK 4317, PAGE 189](#), OF OFFICIAL RECORDS.

AFFECTS: THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD.

11. AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES.

GRANTED TO: THE SAN DIEGO GAS AND ELECTRIC COMPANY
RECORDED: JULY 13, 1955 IN [BOOK 5713, PAGE 534](#), OF OFFICIAL RECORDS.
AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE FULLY DESCRIBED IN SAID INSTRUMENT.

12. THE TERMS AND PROVISIONS CONTAINED IN THE DOCUMENT ENTITLED "A PERMANENT WATER CONNECTION", EXECUTED BY AND BETWEEN THE CITY OF SAN DIEGO AND FRANK F. JAUSSAUD OWNER, RECORDED MAY 29, 1956 IN [BOOK 6120, PAGE 542](#), OF OFFICIAL RECORDS.

13. AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES.

RECORDED: SEPTEMBER 18, 1962 AS INSTRUMENT NO. [1962-160879](#), OF OFFICIAL RECORDS.
AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE FULLY DESCRIBED IN SAID INSTRUMENT.

14. THE EFFECT OF A MAP PURPORTING TO SHOW THE LAND AND OTHER PROPERTY, RECORDED AS MAP NO. [3926](#) OF RECORD OF SURVEYS.

15. ANY EASEMENTS OR SERVITUDES APPEARING IN THE PUBLIC RECORDS.

AFFECTS: EASEMNET PARCEL 2

16. ANY FACTS, RIGHTS, INTERESTS OR CLAIMS WHICH WOULD BE DISCLOSED BY A CORRECT ALTA/NSPS SURVEY.
17. THE FAILURE OF THE MAP ATTACHED TO THIS POLICY TO SHOW THE SAME LOCATION AND DIMENSIONS OF YOUR LAND AS THOSE SHOWN IN THE PUBLIC RECORDS.
18. **OUR EXAMINATION OF RECORD TITLE TO THE HEREIN DESCRIBED LAND DOES NOT DISCLOSE ANY EXISTING LOANS. WE THEREFORE REQUIRE THE OWNERS DECLARATION ATTACHED HERETO BE SIGNED, NOTARIZED, AND RETURNED TO US BEFORE RECORDING.**
19. RIGHTS OF PARTIES IN POSSESSION OF SAID LAND BY REASON OF ANY UNRECORDED LEASES.
PLEASE SUBMIT ANY SUCH LEASES TO THIS COMPANY FOR OUR EXAMINATION.
20. **ANY DEFECT OR INVALIDITY IN THE TITLE OF THE VESTEES IN THE EVENT SUCH TRUST IS INVALID OR FAILS TO CONFER SUFFICIENT POWERS IN THE TRUSTEES, OR IN THE EVENT THERE IS A LACK OF COMPLIANCE WITH THE TERMS AND PROVISIONS OF THE TRUST INSTRUMENTS.**
21. ANY FACTS ABOUT THE LAND THAT AN INSPECTION OR INQUIRY OF PARTIES IN POSSESSION SATISFACTORY TO THE COMPANY WOULD DISCLOSE AND THAT ARE NOT SHOWN BY THE PUBLIC RECORDS.

REQUIREMENTS:

22. PRIOR TO THE ISSUANCE OF ANY POLICY OF TITLE INSURANCE, THE COMPANY WILL REQUIRE:
 - A. **THE RECEIPT AND REVIEW OF THE COMPLETED OWNER'S AFFIDAVIT SUBJECT TO FURTHER REQUIREMENTS OF THIS COMPANY.**
 - B. **THIS TRANSACTION MAY BE SUBJECT TO A CONFIDENTIAL ORDER ISSUED PURSUANT TO THE BANK SECRECY ACT. THE POLICY ISSUING AGENT MUST BE PROVIDED WITH CERTAIN INFORMATION NECESSARY TO COMPLY WITH THE CONFIDENTIAL ORDER PRIOR TO THE CLOSING. THIS TRANSACTION WILL NOT BE INSURED AND THIS ISSUING AGENT AND/OR ITS UNDERWRITER WILL NOT BE INVOLVED IN THE CLOSING AND SETTLEMENT UNTIL THIS INFORMATION IS SUBMITTED, REVIEWED AND FOUND TO BE COMPLETE.**
23. A SATISFACTORY AFFIDAVIT-DEATH OF TRUSTEE ESTABLISHING THE FACT OF DEATH OF MERLYN AHRENS BE RECORDED IN THE PUBLIC RECORDS.
24. WITH RESPECT TO THE TRUST(S) REFERRED TO HEREIN:
 1. A CERTIFICATION PURSUANT TO SECTION 18100.5 OF THE CALIFORNIA PROBATE CODE IN A FORM SATISFACTORY TO THE COMPANY.
 2. COPIES OF THOSE EXCERPTS FROM THE ORIGINAL TRUST DOCUMENTS AND AMENDMENTS THERETO, WHICH DESIGNATE THE TRUSTEE AND CONFER UPON THE TRUSTEE THE POWER TO ACT IN THE PENDING TRANSACTION.
 3. OTHER REQUIREMENTS WHICH THE COMPANY MAY IMPOSE FOLLOWING ITS REVIEW OF THE MATERIAL REQUIRED HEREIN AND OTHER INFORMATION WHICH THE COMPANY MAY REQUIRE.
25. WITH RESPECT TO AHRENS PARTNERS, A GENERAL PARTNERSHIP:
 - A. THAT A CERTIFIED COPY OF THE CERTIFICATE OF LIMITED PARTNERSHIP (FORM LP-1) AND ANY AMENDMENTS THERETO (FORM LP-2) BE RECORDED IN THE PUBLIC RECORDS;
 - B. A FULL COPY OF THE PARTNERSHIP AGREEMENT AND ANY AMENDMENTS;
 - C. OTHER REQUIREMENTS WHICH THE COMPANY MAY IMPOSE FOLLOWING ITS REVIEW OF THE MATERIAL REQUIRED HEREIN AND OTHER INFORMATION WHICH THE COMPANY MAY REQUIRE.
26. A COPY OF THE AHRENS FAMILY TRUST-TRUST B DATED OCTOBER 16, 2001, TOGETHER WITH ANY AMENDMENTS THERETO, TO BE PROVIDED TO THIS COMPANY.
27. STATEMENT OF INFORMATION FROM GREGORY AHRENS AND JOAN AHRENS.
28. STATEMENT OF INFORMATION FROM NANCY AHRENS DEVINE.
29. STATEMENT OF INFORMATION FROM SUSAN O'CONNOR.
30. STATEMENT OF INFORMATION FROM WESLEY AHRENS.
31. STATEMENT OF INFORMATION FROM MARTHA AHRENS.
32. STATEMENT OF INFORMATION FROM JEFFREY AHRENS.

33. THIS TRANSACTION MAY BE SUBJECT TO A CONFIDENTIAL ORDER ISSUED PURSUANT TO THE BANK SECRECY ACT. THE POLICY ISSUING AGENT MUST BE PROVIDED WITH CERTAIN INFORMATION NECESSARY TO COMPLY WITH THE CONFIDENTIAL ORDER PRIOR TO THE CLOSING. THIS TRANSACTION WILL NOT BE INSURED AND THIS ISSUING AGENT AND/OR ITS UNDERWRITER WILL NOT BE INVOLVED IN THE CLOSING AND SETTLEMENT UNTIL THIS INFORMATION IS SUBMITTED, REVIEWED AND FOUND TO BE COMPLETE.
34. WITH RESPECT TO PACIFIC COMMUNITIES, INC., A CORPORATION, PRIOR TO INSURING A CONVEYANCE OR ENCUMBRANCE, THIS COMPANY WILL REQUIRE THE FOLLOWING:
1. A CERTIFICATE OF GOOD STANDING OF RECENT DATE ISSUED BY THE SECRETARY OF STATE OF THE CORPORATION'S STATE OF DOMICILE.
 2. A CERTIFIED COPY OF A RESOLUTION OF THE BOARD OF DIRECTORS AUTHORIZING THE CONTEMPLATED TRANSACTION AND DESIGNATING WHICH CORPORATE OFFICERS SHALL HAVE THE POWER TO EXECUTE ON BEHALF OF THE CORPORATION.
 3. OTHER REQUIREMENTS WHICH THE COMPANY MAY IMPOSE FOLLOWING ITS REVIEW OF THE MATERIAL REQUIRED HEREIN AND OTHER INFORMATION WHICH THE COMPANY MAY REQUIRE.

*****END OF SCHEDULE B*****

NOTES:

WE DEPOSIT FUNDS RECEIVED ON YOUR BEHALF IN STATE OR FEDERALLY-CHARTERED BANKS THAT ARE INSURED BY THE FEDERAL DEPOSIT INSURANCE CORPORATION ("FDIC"). THE ACCOUNT IS CURRENTLY HELD AT COMERICA BANK.

FDIC DEPOSIT INSURANCE COVERAGE APPLIES TO A MAXIMUM AMOUNT OF \$250,000 PER DEPOSITOR FOR DEPOSITS HELD IN THE SAME LEGAL OWNERSHIP CATEGORY AT EACH BANK. FOR EXAMPLE, FUNDS HELD ON YOUR BEHALF IN AN ACCOUNT MAINTAINED BY US WILL BE COMBINED WITH ANY INDIVIDUAL ACCOUNTS HELD DIRECTLY BY YOU AT THE SAME BANK. YOU ARE RESPONSIBLE FOR MONITORING THE TOTAL AMOUNT OF DEPOSITS THAT ARE OWNED DIRECTLY OR INDIRECTLY BY YOU IN ANY ONE BANK.

IF YOU HAVE QUESTIONS ABOUT FDIC DEPOSIT INSURANCE, CONTACT YOUR FINANCIAL OR LEGAL ADVISORS OR GO TO [HTTP://WWW.FDIC.GOV/DEPOSIT/DEPOSITS/INDEX.HTML](http://www.fdic.gov/deposit/deposits/index.html). WE DO NOT GUARANTEE THE SOLVENCY OF ANY BANK INTO WHICH FUNDS ARE DEPOSITED AND WE ASSUME NO LIABILITY FOR ANY LOSS YOU INCUR DUE TO THE FAILURE, INSOLVENCY OR SUSPENSION OF OPERATIONS OF ANY BANK OR THE \$250,000 FDIC DEPOSIT INSURANCE LIMIT.

UNLESS OTHERWISE AGREED IN WRITING, EACH OF THE PRINCIPALS AGREES, UNDERSTANDS AND ACKNOWLEDGES THAT: THE ESCROW ACCOUNT IS NON-INTEREST-BEARING; NO FINANCIAL OR OTHER BENEFITS WILL BE EARNED BY OR PROVIDED TO ANY OF THE PRINCIPALS WITH RESPECT TO SUCH FUNDS' AND Equity Title Company AND ITS AFFILIATES MAY INSTEAD RECEIVE DIRECT AND INDIRECT FINANCIAL AND OTHER BENEFITS FROM THE DEPOSITORY WITH RESPECT TO SUCH FUNDS THESE BENEFITS SHALL BE TREATED AS ADDITIONAL COMPENSATION TO Equity Title Company FOR ITS SERVICES AS AN ESCROW HOLDER IN THIS TRANSACTION.

NOTE: IF APPLICABLE, AND UNLESS OTHERWISE DIRECTED IN WRITING, Equity Title Company ISSUES THE **ALTA HOME OWNER'S POLICY** ON RESIDENTIAL PROPERTY SALE TRANSACTIONS.

NOTE: THIS COMPANY REQUIRES CURRENT BENEFICIARY DEMANDS PRIOR TO CLOSING. NO PAYOFFS WILL BE MADE USING "VERBAL" FIGURES

NOTE: EFFECTIVE JANUARY 1, 1990, ASSEMBLY BILL 512, ENACTED AS CHAPTER 598, WILL ADD SECTION 12413.1 TO THE CALIFORNIA INSURANCE CODE DEALING WITH THE "GOOD FUNDS" ISSUE. FUNDS DEPOSITED BY:

- ☐ CASH AND BY ELECTRONIC TRANSFER (WIRED FUNDS) WILL BE AVAILABLE FOR SAME DAY DISBURSEMENTS.
- ☐ CASHIER'S CHECKS, CERTIFIED CHECKS AND TELLER'S CHECKS WILL BE AVAILABLE FOR NEXT DAY DISBURSEMENTS.
- ☐ ALL OTHER TYPES OF CHECKS WILL NOT BE AVAILABLE FOR DISBURSEMENT UNTIL THE DAY PROVIDED IN REGULATION CC ADOPTED BY THE FEDERAL RESERVE BOARD OF GOVERNORS.
- ☐ A DRAFT WILL NOT BE AVAILABLE FOR DISBURSEMENT UNTIL THE DRAFT HAS BEEN SUBMITTED FOR COLLECTION AND PAYMENT RECEIVED BY OUR BANK.

PLEASE NOTE: THIS COMPANY WILL MAKE DISBURSEMENTS ONLY IN THE SAME MANNER AS WHICH FUNDS ARE RECEIVED. SHOULD THIS COMPANY BE REQUESTED TO MAKE ANY DISBURSEMENTS BY ELECTRONIC TRANSFER (WIRED FUNDS), THIS COMPANY WILL REQUIRE FUNDS TO BE DEPOSITED TO OUR ACCOUNT BY ELECTRONIC TRANSFER.

EQUITY TITLE COMPANY

591 CAMINO DE LA REINA, SUITE 1105
SAN DIEGO, CA 92108
PHONE: (619) 574-5985

ATTENTION:

**YOUR NO.: 5915 MISSION GORGE ROAD
OUR NO.: 3910319-05560
DATE: SEPTEMBER 6, 2019 AT 7:30 A.M.**

ANTHONY BRYANT AND ROGER REINHARD, TITLE OFFICER

LENDERS SUPPLEMENTAL REPORT

THE ABOVE NUMBERED REPORT (INCLUDING ANY SUPPLEMENTS OR AMENDMENTS THERETO) IS HEREBY MODIFIED AND/OR SUPPLEMENTED IN ORDER TO REFLECT THE FOLLOWING ADDITIONAL ITEMS RELATING TO THE ISSUANCE OF AN AMERICAN LAND TITLE ASSOCIATION LOAN FORM POLICY AS FOLLOWS:

THIS REPORT IS PREPARATORY TO THE ISSUANCE OF AN ALTA LOAN POLICY. WE HAVE NO KNOWLEDGE OF ANY FACT WHICH WOULD PRECLUDE THE ISSUANCE OF THE POLICY WITH CLTA ENDORSEMENT FORMS 100 AND 116 ATTACHED.

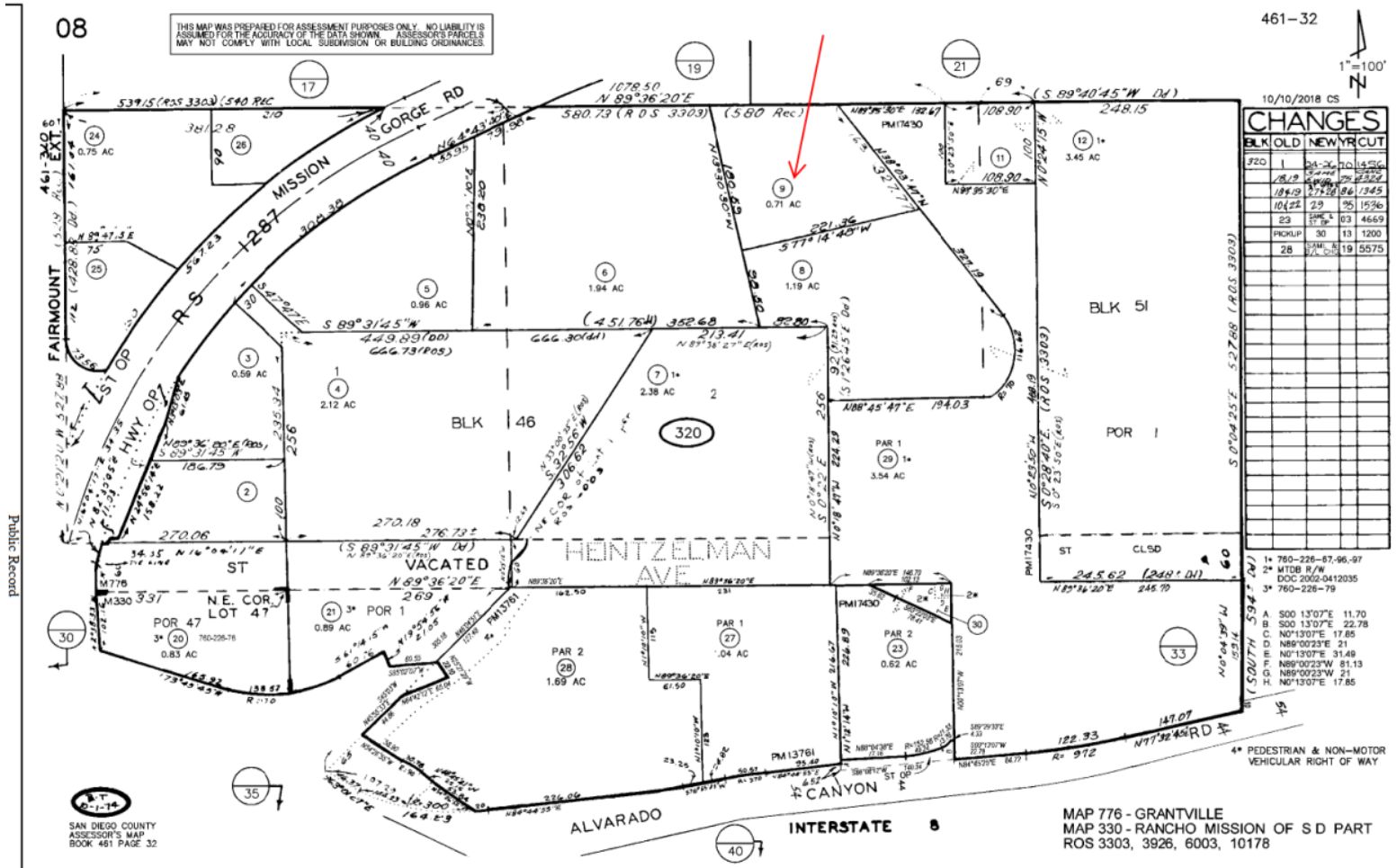
WHEN ISSUED, THE CLTA ENDORSEMENT FORM 116 WILL REFERENCE **A COMMERCIAL PROPERTY**

KNOWN AS

5915 MISSION GORGE ROAD, CITY OF SAN DIEGO, STATE OF CALIFORNIA.

ACCORDING TO THE PUBLIC RECORDS, THERE HAVE BEEN NO DEEDS CONVEYING THE LAND DESCRIBED HEREIN WITHIN A PERIOD OF THIRTY-SIX (36) MONTHS PRIOR TO THE DATE OF THIS REPORT, EXCEPT AS FOLLOWS:

NONE





EQUITY TITLE[®]
COMPANY
Part of the TRG Family of Companies

Listing Agent:
MIKE HABIB

Selling Agent:
CATHY WONG

CONGRATULATIONS and THANK YOU for the new title order on
5927 MISSION GORGE ROAD, SAN DIEGO, CA!

ORDER NO.: **3910319-05563**

Equity Title Company has provided a brief summary of your Preliminary Title Report. Please review the full copy of your report that follows this summary.

IMPORTANT: You should carefully consider all of the information in the Preliminary Title Report. The review below is meant as an added courtesy, not as a substitute for the actual report or as a substitute for legal advice.

Vesting

AHRENS PARTNERS, A GENERAL PARTNERSHIP

Property Taxes

GENERAL AND SPECIAL TAXES FOR THE FISCAL YEAR 2019-2020

TOTAL:	\$9,885.32	
FIRST INSTALLMENT:	\$4,942.66	PAID
SECOND INSTALLMENT:	\$4,942.66	PAID

APN: 461-320-08

Money Matters

None

Requirements Prior to Closing

See Page 8 of Preliminary Title Report

Covenants, Conditions, and Restrictions

There are no covenants, conditions, and restrictions on the property.

Easements

There are easements over the property. They can be viewed in the attached report by clicking on the hyperlinked recording information.

Miscellaneous

None

We are looking forward to helping you close this transaction! Thank you and if there is anything we can do to assist you please don't hesitate to ask!

FULL COPY OF PRELIMINARY TITLE REPORT FOLLOWS
PLEASE REVIEW FOR COMPLETE DETAILS

EQUITY TITLE COMPANY

591 CAMINO DE LA REINA, SUITE 1105

SAN DIEGO, CA 92108

PHONE: (619) 574-5985

FAX: (619) 294-3298

DATED AS OF SEPTEMBER 6, 2019 AT 7:30 A.M.

STEWART TITLE OF CALIFORNIA, INC.
7676 HAZARD CENTER DR, 14TH FLOOR
San Diego, CA 92108

ATTENTION: CARLA BURCHARD

YOUR NO.: 19000481004
PROPERTY ADDRESS: 5927 MISSION GORGE
ROAD, SAN DIEGO, CA

ORDER NO.: 3910319-05563
TITLE OFFICER: ANTHONY BRYANT AND ROGER
REINHARD
EMAIL: sdunit05@equitytitle.com

"PRELIMINARY REPORT"

IN RESPONSE TO THE ABOVE REFERENCED APPLICATION FOR A POLICY OF TITLE INSURANCE, **Equity Title Company** HEREBY REPORTS THAT IT IS PREPARED TO ISSUE, OR CAUSE TO BE ISSUED, AS OF THE DATE HEREOF, A POLICY OR POLICIES OF TITLE INSURANCE DESCRIBING THE LAND AND THE ESTATE OR INTEREST THEREIN HEREINAFTER SET FORTH, INSURING AGAINST LOSS WHICH MAY BE SUSTAINED BY REASON OF ANY DEFECT, LIEN OR ENCUMBRANCE NOT SHOWN OR REFERRED TO AS AN EXCEPTION BELOW OR NOT EXCLUDED FROM COVERAGE PURSUANT TO THE PRINTED SCHEDULES, CONDITIONS AND STIPULATIONS OF SAID POLICY FORMS.

THE PRINTED EXCEPTIONS AND EXCLUSIONS FROM THE COVERAGE OF SAID POLICY OR POLICIES ARE SET FORTH IN EXHIBIT B ATTACHED. THE POLICY TO BE ISSUED MAY CONTAIN AN ARBITRATION CLAUSE. WHEN THE AMOUNT OF INSURANCE IS LESS THAN THAT SET FORTH IN THE ARBITRATION CLAUSE, ALL ARBITRABLE MATTERS SHALL BE ARBITRATED AT THE OPTION OF EITHER THE COMPANY OR THE INSURED AS THE EXCLUSIVE REMEDY OF THE PARTIES. LIMITATIONS ON COVERED RISKS APPLICABLE TO THE CLTA AND ALTA HOMEOWNER'S POLICIES OF TITLE INSURANCE WHICH ESTABLISH A DEDUCTIBLE AMOUNT AND A MAXIMUM DOLLAR LIMIT OF LIABILITY FOR CERTAIN COVERAGES ARE SET FORTH IN THE POLICY. COPIES OF THE POLICY FORMS SHOULD BE READ. THEY ARE AVAILABLE FROM THE OFFICE THAT ISSUED THIS REPORT.

PLEASE READ THE EXCEPTIONS SHOWN OR REFERRED TO BELOW AND THE EXCEPTIONS AND EXCLUSIONS SET FORTH IN EXHIBIT B OF THIS REPORT CAREFULLY. THE EXCEPTIONS AND EXCLUSIONS ARE MEANT TO PROVIDE YOU WITH NOTICE OF MATTERS WHICH ARE NOT COVERED UNDER THE TERMS OF THE TITLE INSURANCE POLICY AND SHOULD BE CAREFULLY CONSIDERED.

IT IS IMPORTANT TO NOTE THAT THIS PRELIMINARY REPORT IS NOT A WRITTEN REPRESENTATION AS TO THE CONDITION OF TITLE AND MAY NOT LIST ALL LIENS, DEFECTS AND ENCUMBRANCES AFFECTING TITLE TO THE LAND.

THIS REPORT (AND ANY SUPPLEMENTS OR AMENDMENTS HERETO) IS ISSUED SOLELY FOR THE PURPOSE OF FACILITATING THE ISSUANCE OF A POLICY OF TITLE INSURANCE AND NO LIABILITY IS ASSUMED HEREBY. IF IT IS DESIRED THAT LIABILITY BE ASSUMED PRIOR TO THE ISSUANCE OF A POLICY OF TITLE INSURANCE, A BINDER OR COMMITMENT SHOULD BE REQUESTED.

THE FORM OF POLICY OF TITLE INSURANCE CONTEMPLATED BY THIS REPORT IS:

ALTA/CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE, IF APPLICABLE, OR

CLTA/ALTA STANDARD OWNER'S POLICY; AND/OR

ALTA LOAN POLICY, IF APPLICABLE, OR CLTA STANDARD LOAN POLICY

A SPECIFIC REQUEST SHOULD BE MADE IF ANOTHER FORM OR ADDITIONAL COVERAGE IS DESIRED.

SCHEDULE A

THE ESTATE OR INTEREST IN THE LAND HEREINAFTER DESCRIBED OR REFERRED TO COVERED BY THIS REPORT IS:

A FEE AS TO PARCEL 1, AN EASEMENT AS TO PARCELS 2, 3 & 4.

TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS VESTED IN:

AHRENS PARTNERS, A GENERAL PARTNERSHIP

THE LAND REFERRED TO IN THIS REPORT IS SITUATED IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

SEE EXHIBIT "A" ATTACHED HERETO

EXHIBIT "A"**PARCEL 1:**

THAT PORTION OF LOT 2 IN BLOCK 46 AND LOT 1 IN BLOCK 51 OF THE "AMENDED MAP NO. 1 OF GRANTVILLE AND OUT LOTS", IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. [776](#), FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, FEBRUARY 18, 1984, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF LOT 1 IN SAID BLOCK 46; THENCE NORTH 89° 40' 45" EAST ALONG THE NORTHERLY LINE OF LOTS 1 AND 2 IN SAID BLOCK 46, TO ITS INTERSECTION WITH THE SOUTHEASTERLY LINE OF COUNTY ROAD SURVEY NO. 1287 AS SAID ROAD IS DESCRIBED IN DEED TO THE COUNTY OF SAN DIEGO, DATED DECEMBER 15, 1950 AND RECORDED IN [BOOK 3935, PAGE 468](#) OF OFFICIAL RECORDS; THENCE CONTINUING NORTH 89° 40' 45" EAST ALONG THE NORTHERLY LINE OF SAID LOT 2 TO THE NORTHEAST CORNER OF LAND CONVEYED TO EARL L. HAFFER, ET UX, BY DEED DATED FEBRUARY 18, 1955 AND RECORDED IN [BOOK 5561, PAGE 368](#) OF OFFICIAL RECORDS; THENCE ALONG THE BOUNDARY OF SAID LAND, SOUTH 13° 30' 30" EAST, 180.59 FEET TO THE TRUE POINT OF BEGINNING; THENCE NORTH 77° 19' 48" EAST, 221.36 FEET TO THE SOUTHWESTERLY LINE OF LAND CONVEYED TO SIM J. HARRIS CO., BY DEED DATED JANUARY 2, 1954 AND RECORDED IN [BOOK 5104, PAGE 550](#) OF OFFICIAL RECORDS; THENCE ALONG THE BOUNDARY OF SAID LAND, SOUTH 38° 11' 40" EAST, 164.77 FEET TO THE BEGINNING OF A TANGENT 70.00 FOOT RADIUS CURVE CONCAVE WESTERLY; THENCE SOUTHERLY ALONG SAID CURVE THROUGH A CENTER ANGLE OF 95° 27' 30" A DISTANCE OF 116.62 FEET TO THE BOUNDARY OF LAND CONVEYED TO ROSALIE WATKINS, BY DEED DATED JUNE 1, 1950 AND RECORDED IN [BOOK 3646, PAGE 91](#) OF OFFICIAL RECORDS; THENCE SOUTH 89° 40' 45" WEST ALONG SAID BOUNDARY 197.28 FEET TO THE EASTERLY LINE OF A PARCEL OF LAND DESCRIBED IN DEED TO JULES C. JAUSSAUD, ET UX, DATED NOVEMBER 30, 1939 AND RECORDED IN [BOOK 1000, PAGE 114](#) OF OFFICIAL RECORDS; THENCE NORTH 01° 26' 45" WEST ALONG SAID EASTERLY LINE 92.00 FEET TO THE NORTHEAST CORNER OF SAID LAND; THENCE SOUTH 89° 31' 45" WEST ALONG THE NORTHERLY LINE OF SAID LAND 82.80 FEET TO AN INTERSECTION WITH A LINE THAT BEARS SOUTH 13° 30' 30" EAST FROM THE TRUE POINT OF BEGINNING; THENCE NORTH 13° 30' 30" WEST 98.50 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL 2:

AN EASEMENT AND RIGHT OF WAY FOR ROAD AND PUBLIC UTILITY PURPOSES AND APPURTENANCES THERETO OVER, ALONG AND ACROSS THAT PORTION OF LOT 2 IN BLOCK 46 OF "AMENDED MAP NO. OF GRANTVILLE AND OUT LOTS", IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 776, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE NORTHERLY LINE OF SAID LOT 2, DISTANT THEREON NORTH 89° 26' 20" EAST (RECORD NORTH 89° 40' 45" EAST) 767.83 FEET FROM THE NORTHWESTERLY CORNER OF LOT 1 OF SAID BLOCK 46; THENCE ALONG SAID NORTHERLY LINE, NORTH 89° 36' 20" EAST, 20.54 FEET TO THE NORTHWEST CORNER OF A PARCEL OF LAND DESCRIBED IN DEED TO EARL L. HAFFER, ET UX, RECORDED MARCH 10, 1995 IN [BOOK 5561, PAGE 368](#) OF OFFICIAL RECORDS; THENCE ALONG THE WESTERLY LINE OF SAID LAND AND THE SOUTHERLY PROLONGATION THEREOF SOUTH 13° 30' 30" EAST, 279.09 FEET TO A POINT IN THE NORTHERLY LINE OF A PARCEL OF LAND DESCRIBED IN DEED TO JULES C. JAUSSAUD AND WIFE, DATED NOVEMBER 30, 1939 AND RECORDED IN [BOOK 1000, PAGE 114](#) OF OFFICIAL RECORDS; THENCE ALONG THE NORTHERLY LINE, SOUTH 69° 36' 20" WEST, (RECORD SOUTH 89° 31' 45" WEST) 20.34 FEET; THENCE NORTH 13° 30' 30" WEST, 279.09 FEET TO THE POINT OF BEGINNING.

PARCEL 3:

AN EASEMENT AND RIGHT OF WAY FOR AND PUBLIC UTILITY PURPOSES AND APPURTENANCES THERETO OVER, ALONG AND ACROSS A STRIP OF LAND 30.00 FEET WIDE LYING WITHIN LOTS 1 AND 2 IN BLOCK 47 AND LOTS 1 AND 2, BLOCK 46 OF THE 'AMENDED MAP NO. 1 OF GRANTVILLE AND OUT LOTS', IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 776, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, FEBRUARY 16, 1894, THE CENTER LINE OF SAID 30.00 FEET STRIP BEING DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE NORTHERLY LINE OF SAID LOT 2, DISTANT THEREON NORTH 89° 36' 20" EAST (RECORD NORTH 89° 40' 45" EAST) 787.63 FEET FROM THE NORTHWESTERLY CORNER OF LOT 1 IN SAID BLOCK 45; BEING THE NORTHWESTERLY CORNER OF THE LAND DESCRIBED IN DEED TO EARL L. HAFFER, ET UX, RECORDED MARCH 10, 1955 IN [BOOK 5561, PAGE 368](#) OF OFFICIAL RECORDS; THENCE ALONG THE NORTHERLY LINE OF SAID BLOCK 46, SOUTH 89° 36' 20" WEST, 214.63 FEET TO THE SOUTHEASTERLY LINE OF ROAD SURVEY NO. 1287.

EXCEPTING THEREFROM ALL THAT PORTION THEREOF LYING WITHIN PARCEL 2 ABOVE.

THE WESTERLY TERMINUS OF THE SIDE LINES OF SAID 30.00 FOOT STRIP ARE TO BE PROLONGED OR SHORTENED SO AS TO TERMINATE IN THE SOUTHEASTERLY LINE OF SAID ROAD SURVEY NO. 1287, AND THE EASTERLY TERMINUS TO BE PROLONGED OR SHORTENED SO AS TO TERMINATE IN A LINE THAT BEARS NORTH 13° 30' 30" WEST FROM THE EASTERLY TERMINUS OF SAID CENTER LINE.

PARCEL 4:

A RIGHT OF WAY FOR ROAD AND PUBLIC UTILITY PURPOSES OVER AND ACROSS THAT PORTION OF THE NORTH 15 FEET OF BLOCK 46 AND THE SOUTH 15 FEET OF BLOCK 47 OF THE AMENDED MAP NO. 1 OF GRANTVILLE AND OUTLOTS, IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. [776](#), LYING EASTERLY OF THE EASTERLY LINE OF MISSION GORGE ROAD AND WESTERLY OF THE NORTHERLY EXTENSION OF THE EAST LINE OF PARCEL NO. 1 ABOVE.

APN: 461-320-08-00

END OF LEGAL DESCRIPTION

SCHEDULE B

AT THE DATE HEREOF EXCEPTIONS TO COVERAGE IN ADDITION TO THE PRINTED EXCEPTIONS AND EXCLUSIONS IN SAID POLICY FORM DESIGNATED ON THE FACE PAGE OF THIS REPORT WOULD BE AS FOLLOWS:

A. GENERAL AND SPECIAL TAXES FOR THE FISCAL YEAR 2019-2020

TOTAL:	\$9,885.32	
FIRST INSTALLMENT:	\$4,942.66	PAID
SECOND INSTALLMENT:	\$4,942.66	PAID

ASSESSED VALUATION:	
LAND VALUE:	\$799,898.00
IMPROVEMENTS:	\$0.00
EXEMPTION:	\$0.00

CODE AREA:	08278
A. P. NO.:	461-320-08-00

B. THE LIEN OF SUPPLEMENTAL TAXES ASSESSED PURSUANT TO CHAPTER 3.5 COMMENCING WITH SECTION 75 OF THE CALIFORNIA REVENUE AND TAXATION CODE.

1. WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT SHOWN BY THE PUBLIC RECORDS.
2. RIGHTS OF THE PUBLIC IN AND TO THAT PORTION OF THE LAND LYING WITHIN "ANY STREET, ROAD OR TRAIL".
3. RIGHT OF WAY FOR PIPE LINES AND FLUMES OF THE SAN DIEGO FLUME COMPANY, A CORPORATION, ITS SUCCESSORS OR ASSIGNS.
4. THE EFFECT OF A MAP PURPORTING TO SHOW THE LAND AND OTHER PROPERTY, RECORDED AS MAP NO. [3303](#) OF RECORD OF SURVEYS.
5. THE TERMS AND PROVISIONS CONTAINED IN THE DOCUMENT ENTITLED "AN AGREEMENT FOR SEWER CONNECTIONS", EXECUTED BY AND BETWEEN THE CITY OF SAN DIEGO AND FRANK F. JAUSSAUD, RECORDED JULY 9, 1954 IN [BOOK 5295, PAGE 140](#), OF OFFICIAL RECORDS.
6. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR:	PUBLIC SEWER
GRANTED TO:	THE CITY OF SAN DIEGO, A MUNICIPAL CORPORATION
RECORDED:	APRIL 11, 1950 IN BOOK 3575, PAGE 213 , OF OFFICIAL RECORDS.

AFFECTS:	THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD
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7. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR:	SEWER PURPOSES
RECORDED:	JUNE 4, 1951 IN BOOK 4122, PAGE 18 , OF OFFICIAL RECORDS.

AFFECTS:	THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD
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8. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: THE PURPOSE OF A RIGHT OF WAY FOR THE CONSTRICTION,
OPERATION, AND MAINTENANCE OF A SEWER LINE
GRANTED TO: JOHN O. MATTHEWS AND LESALIE M. MATTHEWS
RECORDED: DECEMBER 11, 1951 IN [BOOK 4317, PAGE 189](#), OF OFFICIAL RECORDS.

AFFECTS: THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT
DISCLOSED OF RECORD

9. AN EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES.

GRANTED TO: THE SAN DIEGO GAS AND ELECTRIC COMPANY
RECORDED: JULY 13, 1955 IN [BOOK 5713, PAGE 534](#), OF OFFICIAL RECORDS
AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE
FULLY DESCRIBED IN SAID INSTRUMENT

10. THE TERMS AND PROVISIONS CONTAINED IN THE DOCUMENT ENTITLED " A PERMANENT WATER CONNECTION", EXECUTED BY AND BETWEEN THE CITY OF SAN DIEGO AND FRANK F. JAUSSAUD OWNER, RECORDED MAY 29, 1956 IN [BOOK 6120, PAGE 542](#), OF OFFICIAL RECORDS.

11. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: A SANITARY SEWER
RECORDED: JULY 18, 1956 IN [BOOK 6184, PAGE 243](#), OF OFFICIAL RECORDS.

AFFECTS: THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT
DISCLOSED OF RECORD

12. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: PUBLIC SEWERS OR STORM DRAINS
RECORDED: SEPTEMBER 18, 1962 AS INSTRUMENT NO. [1962-160879](#), OF OFFICIAL
RECORDS.

AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE
FULLY DESCRIBED IN SAID INSTRUMENT

13. AN EASEMENT FOR PURPOSES STATED AND INCIDENTAL RIGHTS.

FOR: THE NATURAL FLOWAGE OF WATER
GRANTED TO: THE CITY OF SAN DIEGO
RECORDED: OCTOBER 2, 1990 AS INSTRUMENT NO. [1990-537872](#), OF OFFICIAL
RECORDS.

AFFECTS: THE ROUTE THEREOF AFFECTS A PORTION OF SAID LAND AND IS MORE
FULLY DESCRIBED IN SAID INSTRUMENT

14. THE EFFECT OF A MAP PURPORTING TO SHOW THE LAND AND OTHER PROPERTY, RECORDED AS MAP NO. [3926](#) OF RECORD OF SURVEYS.

15. ANY EASEMENTS OR SERVITUDES APPEARING IN THE PUBLIC RECORDS.

AFFECTS: EASEMENT PARCELS 2 AND 3.

16. ANY FACTS, RIGHTS, INTERESTS OR CLAIMS WHICH WOULD BE DISCLOSED BY A CORRECT ALTA/NSPS SURVEY.
17. THE FAILURE OF THE MAP ATTACHED TO THIS POLICY TO SHOW THE SAME LOCATION AND DIMENSIONS OF YOUR LAND AS THOSE SHOWN IN THE PUBLIC RECORDS.
18. **OUR EXAMINATION OF RECORD TITLE TO THE HEREIN DESCRIBED LAND DOES NOT DISCLOSE ANY EXISTING LOANS. WE THEREFORE REQUIRE THE OWNERS DECLARATION ATTACHED HERETO BE SIGNED, NOTARIZED, AND RETURNED TO US BEFORE RECORDING.**
19. RIGHTS OF PARTIES IN POSSESSION OF SAID LAND BY REASON OF ANY UNRECORDED LEASES.
PLEASE SUBMIT ANY SUCH LEASES TO THIS COMPANY FOR OUR EXAMINATION.
20. **ANY DEFECT OR INVALIDITY IN THE TITLE OF THE VESTEES IN THE EVENT SUCH TRUST IS INVALID OR FAILS TO CONFER SUFFICIENT POWERS IN THE TRUSTEES, OR IN THE EVENT THERE IS A LACK OF COMPLIANCE WITH THE TERMS AND PROVISIONS OF THE TRUST INSTRUMENTS.**
21. ANY FACTS ABOUT THE LAND THAT AN INSPECTION OR INQUIRY OF PARTIES IN POSSESSION SATISFACTORY TO THE COMPANY WOULD DISCLOSE AND THAT ARE NOT SHOWN BY THE PUBLIC RECORDS.

REQUIREMENTS:

22. PRIOR TO THE ISSUANCE OF ANY POLICY OF TITLE INSURANCE, THE COMPANY WILL REQUIRE:

- A. **THE RECEIPT AND REVIEW OF THE COMPLETED OWNER'S AFFIDAVIT SUBJECT TO FURTHER REQUIREMENTS OF THIS COMPANY.**
- B. **THIS TRANSACTION MAY BE SUBJECT TO A CONFIDENTIAL ORDER ISSUED PURSUANT TO THE BANK SECRECY ACT. THE POLICY ISSUING AGENT MUST BE PROVIDED WITH CERTAIN INFORMATION NECESSARY TO COMPLY WITH THE CONFIDENTIAL ORDER PRIOR TO THE CLOSING. THIS TRANSACTION WILL NOT BE INSURED AND THIS ISSUING AGENT AND/OR ITS UNDERWRITER WILL NOT BE INVOLVED IN THE CLOSING AND SETTLEMENT UNTIL THIS INFORMATION IS SUBMITTED, REVIEWED AND FOUND TO BE COMPLETE.**

23. WITH RESPECT TO AHRENS PARTNERS, A GENERAL PARTNERSHIP:

(FOR CALIFORNIA PARTNERSHIPS)

THIS COMPANY WILL REQUIRE EVIDENCE THAT A CERTIFIED COPY OF A "FILED" STATEMENT OF PARTNERSHIP AUTHORITY (FORM GP-1) WITH THE OFFICE OF THE SECRETARY OF STATE HAS BEEN RECORDED IN THE OFFICE OF THE COUNTY RECORDER, TOGETHER WITH A CURRENT LIST NAMING ALL MEMBERS OF SAID PARTNERSHIP.

(FOR NON-CALIFORNIA PARTNERSHIPS)

THIS COMPANY WILL REQUIRE A COPY OF A STATEMENT OF PARTNERSHIP THAT IS FILED IN ANOTHER STATE BE "FILED" IN THE OFFICE OF THE SECRETARY OF STATE TOGETHER WITH EVIDENCE THAT A CERTIFIED COPY OF THE "FILED" STATEMENT HAS BEEN RECORDED IN THE OFFICE OF THE COUNTY RECORDER, TOGETHER WITH A CURRENT LIST NAMING ALL MEMBERS OF SAID PARTNERSHIP.

THE COMPANY RESERVES THE RIGHT TO MAKE ADDITIONAL EXCEPTIONS AND/OR REQUIREMENTS UPON EXAMINATION OF ALL INSTRUMENTS SUBMITTED IN SATISFACTION OF THE FOREGOING REQUIREMENT(S).

24. WITH RESPECT TO PACIFIC WEST COMMUNITIES, INC, A CORPORATION, PRIOR TO INSURING A CONVEYANCE OR ENCUMBRANCE, THIS COMPANY WILL REQUIRE THE FOLLOWING:

- 1. A CERTIFICATE OF GOOD STANDING OF RECENT DATE ISSUED BY THE SECRETARY OF STATE OF THE CORPORATION'S STATE OF DOMICILE.
- 2. A CERTIFIED COPY OF A RESOLUTION OF THE BOARD OF DIRECTORS AUTHORIZING THE CONTEMPLATED TRANSACTION AND DESIGNATING WHICH CORPORATE OFFICERS SHALL HAVE THE POWER TO EXECUTE ON BEHALF OF THE CORPORATION.
- 3. OTHER REQUIREMENTS WHICH THE COMPANY MAY IMPOSE FOLLOWING ITS REVIEW OF THE MATERIAL REQUIRED HEREIN AND OTHER INFORMATION WHICH THE COMPANY MAY REQUIRE.

*****END OF SCHEDULE B*****

EQUITY TITLE COMPANY

591 CAMINO DE LA REINA, SUITE 1105
SAN DIEGO, CA 92108
PHONE: (619) 574-5985

ATTENTION:

**YOUR NO.: 5927 MISSION GORGE
OUR NO.: 3910319-05563
DATE: SEPTEMBER 6, 2019 AT 7:30 A.M.**

ANTHONY BRYANT AND ROGER REINHARD, TITLE OFFICER

LENDERS SUPPLEMENTAL REPORT

THE ABOVE NUMBERED REPORT (INCLUDING ANY SUPPLEMENTS OR AMENDMENTS THERETO) IS HEREBY MODIFIED AND/OR SUPPLEMENTED IN ORDER TO REFLECT THE FOLLOWING ADDITIONAL ITEMS RELATING TO THE ISSUANCE OF AN AMERICAN LAND TITLE ASSOCIATION LOAN FORM POLICY AS FOLLOWS:

THIS REPORT IS PREPARATORY TO THE ISSUANCE OF AN ALTA LOAN POLICY. WE HAVE NO KNOWLEDGE OF ANY FACT WHICH WOULD PRECLUDE THE ISSUANCE OF THE POLICY WITH CLTA ENDORSEMENT FORMS 100 AND 116 ATTACHED.

WHEN ISSUED, THE CLTA ENDORSEMENT FORM 116 WILL REFERENCE **A VACANT LAND**

KNOWN AS

5927 MISSION GORGE ROAD, IN THE CITY OF SAN DIEGO, STATE OF CALIFORNIA.

ACCORDING TO THE PUBLIC RECORDS, THERE HAVE BEEN NO DEEDS CONVEYING THE LAND DESCRIBED HEREIN WITHIN A PERIOD OF THIRTY-SIX (36) MONTHS PRIOR TO THE DATE OF THIS REPORT, EXCEPT AS FOLLOWS:

NONE.

G. Questionnaires

RNC ENVIRONMENTAL, LLC

151 Nursery Street, Ashland, OR 97520
(888)485-3330 • www.rnc-enviro.com

Phase I Environmental Site Assessment (ASTM E1527-13) Questionnaire

In order to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

5901-5927 Mission Gorge Rd
San Diego, CA

Project Name: Mission Gorge

Address: _____

Questionnaire completed by:

Name: Darren Berberian

Date: 10/8/19

Title: Business Developer

	Yes	No
(1.) Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(2.) Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(3.) Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(4.) (a.) Is the purchase price being paid for this property significantly less than the fair market value of the property? (b.) If you conclude that there is a difference, is there any concern that the lower purchase price may be because contamination is known or believed to be present at the property?	<input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
(5.) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, do you know the past uses of the property? Do you know of specific chemicals that are present or once were present at the property? Do you know of spills or other chemical releases that have taken place at the property? Do you know of any environmental cleanups that have taken place at the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(6.) Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Phase I Environmental Site Assessment (ASTM E1527-13) Questionnaire

Project Name: Mission Gorge

Property Address: 5901-5927 Mission Gorge Rd.
San Diego, CA

To whom it may concern:

RNC Environmental has been retained to complete a Phase I Environmental Site Assessment of the above-specified property. Your assistance in sharing your knowledge of present and past uses of the property, and of any known or suspected environmental conditions relating to it, is much appreciated. Please respond to the questions below "to the best of your knowledge"; no additional investigation on your part is required. Thank you!

Questionnaire completed by:

Date:

Oct. 10, 2019

Name: Victoria Blood

Title:

Co-trustee, Nathan A. Blood 1992 Trustt

Please provide a telephone number or email address, in case we have any additional questions: bloodwagner@me.com

This person's association with the subject property:

☒ Current Owner ☐ Previous Owner ☐ Property Manager ☐ Occupant ☐ Other : _____

1. What is the current use of the property?

☒ Commercial ☐ Industrial ☐ Single-family Residential ☐ Multi-family ☐ Agriculture
☐ Vacant Land ☐ Other: _____

2. How long has the property been used for this purpose? over 30 years

3. Are you aware of any other past uses of the property? manufacturing of fire doors, auto repair and sales

4. Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? ☐ Yes ☒ No

5. Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property? ☐ Yes ☒ No

6. Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? ☐ Yes ☒ No

7. Are you aware of any other present or past any environmental problems at the property? ☐ Yes ☒ No

If yes, please describe _____

8. Are there currently, or to the best of your knowledge have there been previously, any gasoline, diesel, fuel oil or other chemical storage tanks (above or underground) located on the property? ☒ Yes ☐ No

9. Are there currently, or to the best of your knowledge have there been previously, are any pesticides, paints, or other chemicals stored or used on the property in drums, sacks or other containers greater than 5 gallons each or 50 gallons in the aggregate? ☒ Yes ☐ No

10. Are there currently, or to the best of your knowledge have there been previously a type of business located on the property which uses hazardous chemicals, such as a gas station or dry cleaner? ☒ Yes ☐ No

11. Are you aware of any previous environmental reports (Phase I, Phase II, Geotechnical, etc.) for the property? Please provide copies, if available. ☐ Yes ☒ No

12. Are there, or to the best of your knowledge have there been previously, any buildings/structures on the property? If so, please complete the building survey on the next page. ☒ Yes ☐ No

13. Please attach any additional information, clarification, and/or comments on a separate sheet, or by email.

Please email the completed form to neil@rnc-enviro.com, or fax to (888) 485-3330. Thank you!

Building Survey -- Please complete one copy of this form for each building that currently exists, or formerly existed, on the property.

Building number/ID: unknown

Building use and type of construction: 5901 wood building for office; 5909 wood building for office; 5913 brick building for office; metal warehouse for fire door manufacturing and auto repair (damaged by fire)

Approximate year of construction: 1975

Is this building still standing? ☒ Yes ☐ No If not, approximate year of demolition: _____

Type of level below grade? ☐ Full Basement ☐ Crawl Space ☒ Slab on Grade ☐ Parking Garage

Are there any sump pumps, floor drains, or trenches? ☐ Yes ☐ No ☒ Unknown

Heating system type? (CHECK ALL THAT APPLY)

☐ Unheated

☐ Natural Gas

☐ Electric

☐ Propane

☐ Fuel Oil

☐ Kerosene

☐ Wood

☐ Coal

☐ Solar

☐ Other

unknown

Phase I Environmental Site Assessment (ASTM E1527-13) Questionnaire

Project Name: Mission Gorge

Property Address: 5915 Mission Gorge Rd.
San Diego, CA

To whom it may concern:

RNC Environmental has been retained to complete a Phase I Environmental Site Assessment of the above-specified property. Your assistance in sharing your knowledge of present and past uses of the property, and of any known or suspected environmental conditions relating to it, is much appreciated. Please respond to the questions below "to the best of your knowledge"; no additional investigation on your part is required. Thank you!

Questionnaire completed by:

Date:

10/10/19

Name: Wesley Ahrens

Title:

A-6 Partial Owner

Please provide a telephone number or email address, in case we have any additional questions: wesleyahrens@gmail.com

This person's association with the subject property:

☒ Current Owner ☐ Previous Owner ☐ Property Manager ☐ Occupant ☐ Other : _____

1. What is the current use of the property?

☒ Commercial ☐ Industrial ☐ Single-family Residential ☐ Multi-family ☐ Agriculture
☐ Vacant Land ☐ Other: _____

2. How long has the property been used for this purpose? Since 1998

3. Are you aware of any other past uses of the property? Rebar Fabrication Yard

4. Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? ☐ Yes ☒ No

5. Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property? ☐ Yes ☒ No

6. Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? ☐ Yes ☒ No

7. Are you aware of any other present or past any environmental problems at the property? ☐ Yes ☒ No

If yes, please describe _____

8. Are there currently, or to the best of your knowledge have there been previously, any gasoline, diesel, fuel oil or other chemical storage tanks (above or underground) located on the property? ☐ Yes ☒ No

9. Are there currently, or to the best of your knowledge have there been previously, are any pesticides, paints, or other chemicals stored or used on the property in drums, sacks or other containers greater than 5 gallons each or 50 gallons in the aggregate? ☐ Yes ☒ No

10. Are there currently, or to the best of your knowledge have there been previously a type of business located on the property which uses hazardous chemicals, such as a gas station or dry cleaner? ☐ Yes ☒ No

11. Are you aware of any previous environmental reports (Phase I, Phase II, Geotechnical, etc.) for the property? Please provide copies, if available. ☐ Yes ☒ No

12. Are there, or to the best of your knowledge have there been previously, any buildings/structures on the property? If so, please complete the building survey on the next page. ☐ Yes ☒ No

13. Please attach any additional information, clarification, and/or comments on a separate sheet, or by email.

Please email the completed form to neil@rnc-enviro.com, or fax to (888) 485-3330. Thank you!

Building Survey -- Please complete one copy of this form for each building that currently exists, or formerly existed, on the property.

Building number/ID: _____

Building use and type of construction: Construction Yard. Building built of Block and Steel

Approximate year of construction: Prior to 1975

Is this building still standing? ☒ Yes ☐ No If not, approximate year of demolition: _____

Type of level below grade? ☐ Full Basement ☐ Crawl Space ☒ Slab on Grade ☐ Parking Garage

Are there any sump pumps, floor drains, or trenches? ☐ Yes ☒ No ☐ Unknown

Heating system type? (CHECK ALL THAT APPLY)

☐ Unheated
☒ Natural Gas ☐ Electric ☐ Propane ☐ Fuel Oil ☐ Kerosene
☐ Wood ☐ Coal ☐ Solar ☐ Other _____

Phase I Environmental Site Assessment (ASTM E1527-13) Questionnaire

Project Name: Mission Gorge

Property Address: 5927 Mission Gorge Rd.
San Diego, CA

To whom it may concern:

RNC Environmental has been retained to complete a Phase I Environmental Site Assessment of the above-specified property. Your assistance in sharing your knowledge of present and past uses of the property, and of any known or suspected environmental conditions relating to it, is much appreciated. Please respond to the questions below "to the best of your knowledge"; no additional investigation on your part is required. Thank you!

Questionnaire completed by:

Date: 10/10/19

Name: Wesley Ahrens

Title: Ahrens Partners. Partner

Please provide a telephone number or email address, in case we have any additional questions: wesleyahrens@gmail.com

This person's association with the subject property:

☒ Current Owner ☐ Previous Owner ☐ Property Manager ☐ Occupant ☐ Other : _____

1. What is the current use of the property?

☒ Commercial ☐ Industrial ☐ Single-family Residential ☐ Multi-family ☐ Agriculture
☐ Vacant Land ☐ Other: _____

2. How long has the property been used for this purpose? Since 1986

3. Are you aware of any other past uses of the property? Concrete Company Construction Yard

4. Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? ☐ Yes ☒ No

5. Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property? ☐ Yes ☒ No

6. Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? ☐ Yes ☒ No

7. Are you aware of any other present or past any environmental problems at the property? ☐ Yes ☒ No

If yes, please describe _____

8. Are there currently, or to the best of your knowledge have there been previously, any gasoline, diesel, fuel oil or other chemical storage tanks (above or underground) located on the property? ☒ Yes ☐ No

9. Are there currently, or to the best of your knowledge have there been previously, are any pesticides, paints, or other chemicals stored or used on the property in drums, sacks or other containers greater than 5 gallons each or 50 gallons in the aggregate? ☒ Yes ☐ No

10. Are there currently, or to the best of your knowledge have there been previously a type of business located on the property which uses hazardous chemicals, such as a gas station or dry cleaner? ☐ Yes ☒ No

11. Are you aware of any previous environmental reports (Phase I, Phase II, Geotechnical, etc.) for the property? Please provide copies, if available. ☐ Yes ☒ No

12. Are there, or to the best of your knowledge have there been previously, any buildings/structures on the property? If so, please complete the building survey on the next page. ☐ Yes ☒ No

13. Please attach any additional information, clarification, and/or comments on a separate sheet, or by email.

Please email the completed form to neil@rnc-enviro.com, or fax to (888) 485-3330. Thank you!

Building Survey -- Please complete one copy of this form for each building that currently exists, or formerly existed, on the property.

Building number/ID: _____

Building use and type of construction: Construction Yard. Shed built of Wood

Approximate year of construction: Prior to 1975

Is this building still standing? ☒ Yes ☐ No If not, approximate year of demolition: _____

Type of level below grade? ☐ Full Basement ☐ Crawl Space ☒ Slab on Grade ☐ Parking Garage

Are there any sump pumps, floor drains, or trenches? ☐ Yes ☒ No ☐ Unknown

Heating system type? (CHECK ALL THAT APPLY)

☒ Unheated
☐ Natural Gas ☐ Electric ☐ Propane ☐ Fuel Oil ☐ Kerosene
☐ Wood ☐ Coal ☐ Solar ☐ Other _____

Ernie Dronenburg , County Assessor

Property Address: 5901 MISSION GORGE RD SAN DIEGO CA 92120-4005

General Information

Parcel # (APN): 461-320-06-00 [Open Map](#)
Owner: See Full Detail
Mailing Address: P O BOX 512 GARDEN VALLEY ID 83622
Legal Description: TR 776 BLK 46*LOT 1*MOST N PAR AS PER ROS 3926*
Use Type: INDUSTRIAL
Tax Rate Area: 008-278
Value Notice: [Open](#)

Assessment

Total Value:	\$471,997	Year Assd:	2019
Land:	\$318,734	Zoning:	See Full Detail
Structures:	\$153,263	Use Code:	See Full Detail
Other:		Census Tract:	See Full Detail
% Improved:	See Full Detail	Price/SqFt:	
Exempt Amt:			
HO Exempt:	N		



Full Detail \$14.95 [Add to Cart](#) The Full Property Detail includes everything displayed here plus completed information for those fields where "See Full Detail" is shown. If a field is empty on this page, no data is available, and the field will also be empty on the Full Property Detail.

Sale History

	Sale 1	Sale 2	Sale 3	Transfer
Document Date:				See Full Detail
Document Number:				See Full Detail
Document Type:				
Transfer Amount:				
Seller (Grantor):				

Property Characteristics

Bedrooms:	Fireplace:	Units:
Baths (Full):	A/C:	Stories:
Baths (Half):	Heating:	Quality:
Total Rooms:	Pool:	Building Class:
Bldg/Liv Area:	Park Type:	Condition:
Lot Acres: 1.940	Spaces:	Site Influence:
Lot SqFt: 84,506	Garage SqFt:	Timber Preserve:
Year Built:		Ag Preserve:
Effective Year:		

**The information provided here is deemed reliable, but is not guaranteed.

[Additional reports on this property](#)

Ernie Dronenburg , County Assessor

Property Address: 5927 MISSION GORGE RD SAN DIEGO CA 92120-4005

General Information

Parcel # (APN): 461-320-08-00 [Open Map](#)
Owner: See Full Detail
Mailing Address: 5959 MISSION GORGE RD #205 SAN DIEGO CA 92120
Legal Description: TR 776 BLK 46*LOT 1*MOST E PAR AS PER ROS 3926*
Use Type: VACANT
Tax Rate Area: 008-278
Value Notice: [Open](#)

Assessment

Total Value:	\$799,898	Year Assd:	2019
Land:	\$799,898	Zoning:	See Full Detail
Structures:		Use Code:	See Full Detail
Other:		Census Tract:	See Full Detail
% Improved:	See Full Detail	Price/SqFt:	
Exempt Amt:			
HO Exempt:	N		

Sale History

	Sale 1	Sale 2	Sale 3	Transfer
Document Date:	07/20/1989			See Full Detail
Document Number:	0383624			See Full Detail
Document Type:	See Full Detail			
Transfer Amount:	\$485,000			
Seller (Grantor):				

Property Characteristics

Bedrooms:	Fireplace:	Units:
Baths (Full):	A/C:	Stories:
Baths (Half):	Heating:	Quality:
Total Rooms:	Pool:	Building Class:
Bldg/Liv Area:	Park Type:	Condition:
Lot Acres:	Spaces:	Site Influence:
Lot SqFt:	Garage SqFt:	Timber Preserve:
Year Built:		Ag Preserve:
Effective Year:		

**The information provided here is deemed reliable, but is not guaranteed.



Full Detail \$14.95 [Add to Cart](#) The Full Property Detail includes everything displayed here plus completed information for those fields where "See Full Detail" is shown. If a field is empty on this page, no data is available, and the field will also be empty on the Full Property Detail.

Additional reports on this property ➤

Ernie Dronenburg , County Assessor

Property Address: **5915 MISSION GORGE RD SAN DIEGO CA 92120-4005****General Information**

Parcel # (APN): **461-320-09-00** [Open Map](#)
 Owner: **See Full Detail**
 Mailing Address: **6438 SPEAR ST SAN DIEGO CA 92120**
 Legal Description: **TR 776 BLK 46*POR***
 Use Type: **INDUSTRIAL**
 Tax Rate Area: **008-278**
 Value Notice: [Open](#)

Assessment

Total Value:	\$214,686	Year Assd:	2019
Land:	\$114,499	Zoning:	See Full Detail
Structures:	\$100,187	Use Code:	See Full Detail
Other:		Census Tract:	See Full Detail
% Improved:	See Full Detail	Price/SqFt:	See Full Detail
Exempt Amt:			
HO Exempt:	N		



Full Detail \$14.95 [Add to Cart](#) The Full Property Detail includes everything displayed here plus completed information for those fields where "See Full Detail" is shown. If a field is empty on this page, no data is available, and the field will also be empty on the Full Property Detail.

Sale History

	Sale 1	Sale 2	Sale 3	Transfer
Document Date:	06/18/1998			See Full Detail
Document Number:	0373257			See Full Detail
Document Type:	See Full Detail			
Transfer Amount:	\$150,000			
Seller (Grantor):				

Property Characteristics

Bedrooms:	Fireplace:	Units:
Baths (Full):	A/C:	Stories:
Baths (Half):	Heating:	Quality:
Total Rooms:	Pool:	Building Class:
Bldg/Liv Area:	Park Type:	Condition:
Lot Acres:	Spaces:	Site Influence:
Lot SqFt:	Garage SqFt:	Timber Preserve:
Year Built:		Ag Preserve:
Effective Year:	See Full Detail	

**The information provided here is deemed reliable, but is not guaranteed.

[Additional reports on this property](#)



PARCEL REPORT

PARCEL #: 4613200600

PROPERTY INFORMATION:

Property Address:

5901 MISSION GORGE RD SAN DIEGO, CA, 92120-4005

Legal Description:

BLK 46*LOT 1*MOST N PAR AS PER ROS 3926*

Property Characteristics:

Assessor Land:	\$312,485.00	Baths:	00.0
Improvements:	\$150,258.00	Add. Areas:	0
Assessor Total:	\$462,743.00	Tot. Living Area:	0
Acreage:	1.94	Tax Status:	T
Bedrooms:	000	Tax Rate Area:	08278

District Information:

City Council: **7** Scott Sherman (619) 236-6677 <https://www.sandiego.gov/citycouncil/cd7>

Board of Supervisors: District **2** - **Dianne Jacob**

School District: UNIFIED SAN DIEGO

Congress: District **53** **Susan Davis**

School Union: Unified School District

Senate: District **39** **Toni Atkins**

Fire Protection:

Assembly: District **79** **Shirley Weber**

Community College: SAN DIEGO COMMUNITY COLLEGE

Planning Areas:

Census Tract: 96.04

Subregional Area: ELLIOTT-NAVAJO

Major Statistical Area: NORTH CITY

Community Planning Area: NAVAJO - City of San Diego

Land Use:

Existing (LU): **2101** Industrial Park

Planned (PLU) **9700** Mixed Use

Ecology:

Vegetation Type (County): Disturbed or Developed Areas

Vegetation Type (Western Region 2012): Vegetation data not Available

Flood Zone/Flood Plain: Flood Zone **AE** / Flood Plain **FP100**

Geology Type: Geology data not Available

Soil Type: Soil data not Available



PARCEL REPORT

PARCEL #: 4613200900

PROPERTY INFORMATION:

Property Address:

5915 MISSION GORGE RD SAN DIEGO, CA, 92120-4005

Legal Description:

BLK 46*POR*

Property Characteristics:

Assessor Land:	\$112,254.00	Baths:	00.0
Improvements:	\$98,223.00	Add. Areas:	0
Assessor Total:	\$210,477.00	Tot. Living Area:	5412
Acreage:	0.71	Tax Status:	T
Bedrooms:	000	Tax Rate Area:	08278

District Information:

City Council: **7** Scott Sherman (619) 236-6677 <https://www.sandiego.gov/citycouncil/cd7>

Board of Supervisors: District **2** - **Dianne Jacob**

School District: UNIFIED SAN DIEGO

Congress: District **53** **Susan Davis**

School Union: Unified School District

Senate: District **39** **Toni Atkins**

Fire Protection:

Assembly: District **79** **Shirley Weber**

Community College: SAN DIEGO COMMUNITY COLLEGE

Planning Areas:

Census Tract: 96.04

Subregional Area: ELLIOTT-NAVAJO

Major Statistical Area: NORTH CITY

Community Planning Area: NAVAJO - City of San Diego

Land Use:

Existing (LU): **2101** Industrial Park

Planned (PLU) **9700** Mixed Use

Ecology:

Vegetation Type (County): Disturbed or Developed Areas

Vegetation Type (Western Region 2012): Vegetation data not Available

Flood Zone/Flood Plain: Flood Zone **AE** / Flood Plain **FP100**

Geology Type: Geology data not Available

Soil Type: Soil data not Available



PARCEL REPORT

PARCEL #: 4613200800

PROPERTY INFORMATION:

Property Address:

5927 MISSION GORGE RD SAN DIEGO, CA, 92120-4005

Legal Description:

BLK 46*LOT 1*MOST E PAR AS PER ROS 3926*

Property Characteristics:

Assessor Land:	\$784,214.00	Baths:	00.0
Improvements:	\$0.00	Add. Areas:	0
Assessor Total:	\$784,214.00	Tot. Living Area:	0
Acreage:	1.19	Tax Status:	T
Bedrooms:	000	Tax Rate Area:	08278

District Information:

City Council: **7** Scott Sherman (619) 236-6677 <https://www.sandiego.gov/citycouncil/cd7>

Board of Supervisors: District **2** - **Dianne Jacob**

School District: UNIFIED SAN DIEGO

Congress: District **53** **Susan Davis**

School Union: Unified School District

Senate: District **39** **Toni Atkins**

Fire Protection:

Assembly: District **79** **Shirley Weber**

Community College: SAN DIEGO COMMUNITY COLLEGE

Planning Areas:

Census Tract: 96.04

Subregional Area: ELLIOTT-NAVAJO

Major Statistical Area: NORTH CITY

Community Planning Area: NAVAJO - City of San Diego

Land Use:

Existing (LU): **2101** Industrial Park

Planned (PLU) **9700** Mixed Use

Ecology:

Vegetation Type (County): Disturbed or Developed Areas

Vegetation Type (Western Region 2012): Vegetation data not Available

Flood Zone/Flood Plain: Flood Zone **X** / Flood Plain

Geology Type: Geology data not Available

Soil Type: Soil data not Available

Truly Nolen Accused of Dumping Pesticides in Mission Valley

The San Diego County district attorney's office is investigating allegations that a former manager of the nation's third-largest termite control company supervised the dumping of highly toxic pesticides behind the firm's branch in Mission Valley.

According to an affidavit filed in the case, the manager in December, 1985, directed employees of Truly Nolen Exterminating Inc. to bury the contents of a 55-gallon drum of the pesticide Aldrin on the company's property along Mission Gorge Road and permitted workers to occasionally deposit smaller quantities of Aldrin and other chemicals into a water well on the site.

Tests conducted by state water quality officials and health authorities have shown contamination of the soil and ground water on the property where the San Diego operations of Truly Nolen are housed. The soil contains Aldrin in concentrations 1,700 times above the level that the state declares it to be a hazardous material.

Extent of Poison Unclear

But it remains unclear how far the contaminants have spread.

Officials involved with the investigation say they are worried about migration of the contaminated ground water, primarily because of the proximity of Silver Springs Water, a bottling company that draws about 75% of its water from the aquifer in the area.

Silver Springs, which rivals Sparklettes as the county's leading purveyor of bottled water, sits less than a mile from Truly Nolen. Tests of Silver Springs'

well have turned up no evidence of the pesticides, officials said Thursday.

"Certainly we are very concerned when there are contaminants in the ground water because ground water is not stationary," said Chris Wogee, district supervisor for the Food and Drug Division of the state Department of Health Services. "But whether it reaches (Silver Springs' well) depends on the dynamics of the water table. It may show up there tomorrow, or it may never show up. If it does, we'll close it up."

Chandler Beach, president of Silver Springs, said the company has stepped up its testing program and is now drawing and analyzing water samples daily. Beach, who first learned of the contamination last week, said he is concerned about the threat but predicted that "the plume (of pesticides) will probably dissipate before it reaches us.

"Even if the plume were to get here, we would filter out all of the contaminants through our reverse osmosis process anyway," Beach said in an interview. "Or we could draw from other sources. We do not want anyone getting overly concerned about this. We will ensure the quality of our water for our customers."

Manager Not Talking

Paul Tremblay, Truly Nolen's branch manager in San Diego, said he had been advised by attorneys not to discuss the matter. He did say, however, that he was personally unaware of any illicit dumping by employees and said the company "teaches and believes in the standard practices" for dealing with residual pesticides.

Truly Nolen is based in Tucson, Ariz., and has 42 offices coast to coast, Tremblay said. Its 20-year-old San Diego branch operates out of a yellow stucco building in the flood plain of the San Diego River near Interstate 8.

The firm's back fence, enclosing a large yard where Truly Nolen's bright yellow mobile units are parked, is less than 35 feet from a tributary to the river.

The firm first came to the attention of authorities in February, 1986, when the California Regional Water Quality Control Board received a telephone call from a former employee of the firm, Daniel Gonzalez. According to board files on the case, Gonzalez detailed the alleged dumping in conversations with engineer Lance McMahan.

Soon after, an inspection of the site was conducted by McMahan and soil samples were taken. Results indicated the presence of Aldrin, Chlordane and other pesticides at various levels of contamination in the unpaved yard behind the building.

Despite the allegations by Gonzalez, the district attorney's office was not alerted until February of this year, McMahan said. And it was not until last month that the regional water board directed Truly Nolen to conduct a hydrogeologic assessment of their property to determine how far the contaminants may have spread and what sort of cleanup effort will be necessary.

David Barker, a senior engineer with the regional board, said the investigation has taken "somewhat longer than the normal time frame" largely because the agency has been trying to keep up with San Diego's sewage problems. Barker said the case took on new importance after a second round of tests early this year confirmed the contamination.

Investigator Assigned

When the district attorney learned of the alleged dumping, investigator Donna Blake was assigned to the case. According to the affidavit filed by

Blake, Gonzalez said he came to work one day in December, 1985, to find a group of fellow workers digging a hole in the unpaved yard behind the firm. Gonzalez, a fumigator at the time, said he asked Manager Bill Reusch what the men were doing and was told they were burying material.

Gonzalez told Blake he then watched as the crew emptied a rusting, 55-gallon barrel with a label identifying it as Aldrin into the hole, the affidavit says. When he asked Reusch if it wasn't illegal to dispose of Aldrin in such a fashion, Gonzalez said Reusch "put his finger to his mouth" and said, "Shush . . . hush," the document says.

Gonzalez also told Blake he observed workers "on several occasions" dumping smaller containers of various pesticides into a well on the grounds. He said the well was covered with a broken cap and said he could "observe liquids and smell the odor of chemicals" in it, according to the affidavit.

Gonzalez also told investigators that Truly Nolen's trucks, containers and application equipment were rinsed on the unpaved area of the yard on a daily basis. And he said the company grounds have been known to flood during peak rain periods.

In February, 1986, Gonzalez was fired by Truly Nolen, allegedly for excessive absences due to health problems. Reached by telephone, he declined to discuss the case with The Times.

Like DDT, Chlordane, Aldrin and Dieldrin--another of the pesticides found in the soil and ground-water tests--are chlorinated hydrocarbons, which are very persistent in the environment and can be stored for years in the fatty tissues of animals and humans.

First produced in the late 1940s, the chemicals were once widely used in agriculture. But in the mid-1970s, they were banned by the U.S.

Environmental Protection Agency because they caused cancer in test animals.

Their use is still permitted, however, in the battle against termites. Albert Heier, an EPA spokesman in Washington, said additional regulatory action--either banning or further restriction--is expected by the EPA on Aldrin and Chlordane in June. Dieldrin is rarely used today because it is less effective than other materials.

Chemicals Are 'Bad Actors'

"These are bad actors, very persistent in the environment and quite toxic, especially from a long-term exposure standpoint," Heier said. "We have had many, many problems with misapplication of Chlordane on homes that have left many, many people sick. But until fairly recently, there have been no viable alternatives for termite control."

Heier said that contamination of water sources by Chlordane and Aldrin has been a big problem in Missouri, where the chemicals are sprayed on the foundations of new homes and have washed into rivers and streams via storm drains.

"That stuff is carcinogenic, and you do not want it in the water--especially drinking water," said Heier, a pesticides specialist.

Investigator Blake declined to discuss the Truly Nolen case, calling it "premature." But her affidavit, which was filed in court to support a search warrant, notes that it is a felony violation of the state Health and Safety Code to knowingly dispose of materials considered hazardous at any location other than a licensed waste facility.

Termite control companies ordinarily reuse pesticides, primarily because

they are expensive and it is costly to transport them to certified dumps for disposal. Tremblay said Truly Nolen also recycles its products and follows a "standard industry procedure" for rinsing its vehicles and equipment, using a compound called "Soak-Up" combined with sawdust to turn pesticide residue into a gel that can be used again.

"It just wouldn't make sense, economically, not to reuse it," Tremblay said. "There was no common sense reason for the alleged dumping."

In addition to Aldrin, tests showed the soil at Truly Nolen to contain Chlordane in concentrations 150 times the level considered hazardous, Dieldrin at 100 times the hazardous level and DDD at 150 times that level. Results of the ground-water tests were not available.

Efforts to contact Reusch, the manager who allegedly ordered dumping of the pesticides, were unsuccessful. The water board's file on the case said he is no longer employed by Truly Nolen.

McMahan said the tests showing contamination in the soil and ground water at the facility have placed the company under jurisdiction of the state's Toxic Pest Control Act. Under the act, firms that have a "depression," or pit, containing hazardous waste are required to pay administrative fees to cover staff time expended in investigating the case.

No Easy Task Ahead

Truly Nolen also must prepare a site assessment and cleanup plan to determine the extent of the contamination. That likely will involve the drilling of several wells for sampling purposes in the surrounding area.

As for cleanup, McMahan said one technique involves ringing a site with deep wells and pumping out the contaminated water, which can be treated

and reinjected or discharged elsewhere. That process is costly and difficult, he said.

"Right now, it's an unknown quantity with respect to (what sort of) containment and cleanup" will be necessary, McMahan said. "Our main concern is, of course, any contamination of the aquifer."

That prospect is also what's on the mind of officials at Silver Springs, which is owned by Chicago-based Hinckley & Schmitt Co., the nation's third largest water-bottling company.

President Beach said his first step after learning of the contamination at Truly Nolen was to increase the firm's private weekly testing program to a daily procedure.

"We can't do much if there's trouble with our (water) source," Beach said. "When we first opened up, we were the furthest company out in the valley. The closest thing was the Town & Country Hotel. We were surrounded by farmland. Now, it's obviously a different place."

Still, Beach said, he remains optimistic that the Truly Nolen contaminants will never reach Silver Springs' water source. He said the company's well reaches down 1,100 feet and likely is "way below the underground river where this stuff is located."

Wogee, the district supervisor for the state Food and Drug Division, said the answer to that question will emerge from a geologic study of the area, which will show "the way the layers of soil and rock are laid and which way the water is flowing.

"We're keeping a close eye," Wogee said. "These companies do have the ability to filter these things out. But I suspect that if anything is detected,

then they'll probably be looking for another source."

USER QUESTIONNAIRE

IMPORTANT: In order to qualify for the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), any additional user of this report should complete a copy of this questionnaire in order to document their own knowledge of the property. This blank questionnaire is provided for your use. See Section 2.5 of this report for additional information.

	Yes	No
(1.) Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?		
(2.) Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and / or have been filed or recorded in a registry under federal, tribal, state or local law?		
(3.) Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?		
(4.) (a.) Is the purchase price being paid for this property significantly less than the fair market value of the property? (b.) If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?		
(5.) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, do you know the past uses of the property? Do you know of specific chemicals that are present or once were present at the property? Do you know of spills or other chemical releases that have taken place at the property? Do you know of any environmental cleanups that have taken place at the property?		
(6.) Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?		

For each "Yes" answer, please attach a description or supporting documentation as appropriate, for your files.

Completed by (please print): _____

Signed _____

Date _____