TRANSPORTATION AND COMMUNITY DEVELOPMENT COMMITTEE
MINUTES

Date: September 10, 1985
Time: 1:30 P.M.

Committee Members Present: Terry Kastanis, Chair, Tom Chinn, Bill Smallman,

Committee Members Absent: Grantland Johnson

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1. Metropolitan Water Plan Activities Progress Report

DISCUSSION: Harry Behrens, Supervising Engineer - Utility Planning, briefly discussed the progress of the Metropolitan Water Plan Activities. He informed the committee that proposals had been received from seven engineering consultants for the study of the plant expansion alternatives, and that a recommendation for a consultant services agreement with a selected firm would be made to Council in late September. He also informed the committee that a draft agreement between the City, County, and Arcade Water District for expansion of the City's water to areas within the City's water rights place of use was being prepared by the City Attorney's office. The agreement would involve some complex issues on water rights, financing alternatives, and City and County annexation policies.

REPORT BACK: The committee directed staff to report back to the Joint Budget & Finance/Transportation & Community Development Committee on the status of activities in three months.

ACTION: The committee received and filed report.

2. Update on Vegetal Waste Processing Program

DISCUSSION: Paul Smilanich, Solid Waste Division Manager, discussed the status of the program and the agreement to sell vegetal waste to the State.

REPORT BACK

The committee was concerned about legal obligations that are not being fulfilled by the State and therefore requested that the City Attorney report back on the status of legal action being taken by the City.

The committee also directed staff to report back in three months on the status of the project.

ACTION:

The committee received and filed report.

3. City Solid Waste Disposal Project - Quarterly Status Report

DISCUSSION:

John Boss, Supervising Engineer, Waste Management, discussed the status of the City's Solid Waste Disposal project. He informed the committee that Jones and Stokes/Cooper Engineers were proceeding with data gathering and evaluation of the Landfill Alternatives Study and Granite Quarry EIR. He also informed the committee that the Engineering staff and Cooper Engineers were preparing design alternatives and would be discussing this with the Regional Water Quality Control Board staff. Proposals for the Solid Waste Disposal Options would be evaluated during the latter part of September and compared against the options of City-owned/operated transfer stations/landfill, and Waste-to-Energy Feasibility.

REPORT(S) BACK:

The committee directed staff to report back in three months on the status of this project.

ACTION:

Committee received and filed report.

4. Water Quality Issues Associated with the Existing Landfill

DISCUSSION: John Boss, Supervising Engineer - Solid Waste Management, discussed the installation of the new monitoring wells at the landfill. He informed the committee that the wells should be in place in October or November, and first testing would take place at that time.

REPORT(S) BACK: The committee directed staff to report back in late November on the first testing of water quality at the existing landfill.

ACTION: The Committee received and filed report.

5. McClellan AFB Study of North Area Water Wells

DISCUSSION: John Boss, Supervising Engineer - Solid Waste Management, discussed the progress of the groundwater investigation in the vicinity of McClellan Air Force Base. He informed the committee that the Air Force had awarded a contract to Radian Corporation for the drilling of monitoring wells and presented to the committee a summary prepared by Radian (copy attached). The committee requested that staff obtain a status report of the study from the Air Force on a quarterly basis.

REPORT BACK(S) The Committee directed staff to report back in three months on the status of the study.

ACTION: Committee received and filed report.

Terry Kastanis, Chairman
Transportation & Community
Development Committee

TABLE 1-1.

WELL SAMPLES CONTAINING HALOCARBONS IN EXCESS OF DHS ACTION LEVELS
(Concentrations in excess of DHS Action Levels are underlined)

Address of Well	Halocarbon Species	Concentration (ug/l)	DHS Action Level (ug/l)
5645 20th St.	1,1-dichloroethene	2.06	0.1
	trichloroethene	1.19	5.0
5645 20th St. (Duplicate)	1,1-dichloroethene	2.32	0.1
	trichloroethene	1.87	5.0
5645 20th St.[a] (Resample)	trichloroethene	0.98	5.0
5822 20th St.	1,1-dichloroethene	189	0.1
	1,1-dichloroethane	15.1	None
	trans-1,2-dichloroethene	11.9	None
	chloroform	1.92	100
	1,2 dichloroethane	7.70	1.0
	1,1,1-trichloroethane	10.5	200
	trichlorethene	50.0	5
5822 20th St. (Duplicate)	1,1-dichloroethene	181	0.1
	1,1-dichloroethane	15.0	None
	trans-1,2-dichloroethene	12.1	None
	chloroform	1.86	100
	1,2-dichloroethane	8.07	1.0
	1,1,1-trichloroethane	10.2	200
	trichloroethene	55.2	5
5908 20th St.	1,1-dichloroethene	5.84	0.1
	1,1-dichloroethane	2.01	None
	trichloroethene	2.05	5
5928 20th St.	methylene chloride*	2.42	40
	1-1-dichloroethene	4.45	0.1
	trichloroethene	3.55	5

1.0 EXECUTIVE SUMMARY

Radian Corporation is undertaking a series of eight (8) quarterly sampling and analysis rounds of private residential wells in the vicinity of McClellan Air Force Base.

Radian is performing this work as Delivery Order 13, Contract F33615-D-4001 for the United States Air Force Occupational and Environmental Health Laboratory (USAF OEHL), Brooks Air Force Base, Texas. This Informal Technical Report presents the results of the first round of sampling and analysis, which took place during July, 1985.

A total of one hundred seven (107) wells were sampled for purgeable halocarbons during the month of July. Purgeable halocarbon content was determined using EPA Method 601. Halocarbons are organic solvents which are present in groundwater near McClellan Air Force Base as the result of past disposal practices. (Radian, 1985).

Action levels are concentrations of chemicals that the DHS considers to be safe in public water supplies. They are informal DHS working standards that do not have legal or regulatory status. The Air Force is using DHS action levels as the criteria for providing municipal water hookup to private residences in the vicinity of the base (USAF, 1984). Because of this understanding, action levels have been used as reference points throughout this report in interpreting the significance of detected levels of halocarbons (and other chemicals) in ground water samples.

Samples from six (6) of the sampled wells was found to contain concentrations of halocarbons which exceeded the California Department of Health Services' (DHS) action levels. The halocarbon content of these samples are listed in Table 1-1.

Samples from forty-nine (49) wells were found to contain detectable levels of halocarbons that were below DHS action levels. The addresses of

TABLE 1-1. (continued)

WELL SAMPLES CONTAINING HALOCARBONS IN EXCESS OF DHS ACTION LEVELS
(Concentrations in excess of DHS Action Levels are underlined)

Address of Well	Halocarbon Species	Concentration (ug/l)	DHS Action Level (ug/l)
5928 20th St.	methylene chloride*	1.3	40
(Duplicate)	1,1-dichloroethene	6.13	0.1
	trichloroethene	2.08	5
5933 20th St.	1,1-dichloroethene	13.9	0.1
	1,1-dichloroethane	3.68	None
	1,2-dichloroethane	2.59	1.0
	1,1,1-trichloroethane	2.55	200
	trichloroethene	4.10	5
5948 20th St.	methylene chloride*	2.28	40
	1,1-dichloroethene	3.58	0.1
	1,1-dichloroethane	2.95	None
	trichloroethene	1.91	5
5948 20th St.[b]	1,1-dichloroethene	3.50	0.1
(Resample)	1,1-dichloroethane	1.80	None
	trichloroethene	1.27	5

* Methylene chloride may be present in analyses due to laboratory contamination.

[a] 1,1-Dichloroethene was present above DHS action levels in initial samples taken, but was not detected in later resampling to confirm this.

[b] 1,1-Dichloroethene was present above DHS Action Levels both in initial sample taken and in later resampling.

TABLE 1-2.

WELL SAMPLES CONTAINING HALOCARBONS BELOW DHS ACTION LEVELS

Address of Well	Halocarbon Species	Concentration ug/l	Action Level ug/l
1224 Claire Ave.	methylene chloride*	2.40	40.0
1320 Claire Ave.	methylene chloride*	2.10	40.0
1331 Claire Ave.	methylene chloride*	2.30	40.0
1341 Claire Ave.	methylene chloride*	3.50	40.0
5037 Joyce Ln.	methylene chloride*	2.60	40.0
	trichloroethene	1.70	5.0
1340 Main Ave.	methylene chloride*	2.63	40.0
4845 Raley Blvd. (Duplicate)	methylene chloride*	2.31	40.0
4845 Raley Blvd.	methylene chloride*	2.41	40.0
4905 Raley Blvd.	methylene chloride*	3.60	40.0
4909 Raley Blvd.	methylene chloride*	3.20	40.0
	trichloroethene	1.70	5.0
4915 Raley Blvd.	trichloroethene	1.10	5.0
4915 Raley Blvd. (Duplicate)	trichloroethene	1.90	5.0
4919 Raley Blvd.	trichloroethene	1.70	5.0
4931 Raley Blvd.	methylene chloride*	2.57	40.0
	trichloroethene	1.95	5.0
5113 Raley Blvd.	methylene chloride*	3.70	40.0
	1,1-dichloroethane	4.90	None
	trichloroethene	1.60	5.0
1209 Santa Ana	methylene chloride*	2.30	40.0

TABLE 1-2. (continued)

WELL SAMPLES CONTAINING HALOCARBONS BELOW DHS ACTION LEVELS

Address of Well	Halocarbon Species	Concentration ug/l	Action Level ug/l
1227 Santa Ana	methylene chloride*	2.80	40.0
	trichloroethene	1.40	5.0
1233 Santa Ana	methylene chloride*	3.80	40.0
	trichloroethene	2.40	5.0
1302 Santa Ana	methylene chloride*	2.40	40.0
	trichloroethene	1.80	5.0
1315 Santa Ana	methylene chloride*	2.70	40.0
	trichloroethene	2.00	5.0
1323 Santa Ana	trichloroethene	2.20	5.0
1335/1401 Santa Ana	methylene chloride*	3.50	40.0
1336 Santa Ana	methylene chloride*	1.70	40.0
	trichloroethene	1.10	5.0
1350 Santa Ana (Costas)	methylene chloride*	2.66	40.0
	trichlorofluormethane	3.87	None
1350 Santa Ana (Del Paso Church)	methylene chloride*	2.48	40.0
	trichloroethene	1.02	5.0
1404 Santa Ana	trichloroethene	1.00	5.0
1410 Santa Ana	methylene chloride*	4.00	40.0
1416 Santa Ana	methylene chloride*	3.10	40.0
1423 Santa Ana	methylene chloride*	2.50	40.0
1431 Santa Ana	methylene chloride*	1.92	40.0
1432 Santa Ana	methylene chloride*	2.00	40.0
1450 Santa Ana	methylene chloride*	5.70	40.0
	trichloroethene	1.80	5.0

TABLE 1-2. (continued)

WELL SAMPLES CONTAINING HALOCARBONS BELOW DHS ACTION LEVELS

Address of Well	Halocarbon Species	Concentration ug/l	Action Level ug/l
1459 Santa Ana	methylene chloride*	1.90	40.0
	trichloroethene	1.90	5.0
1521 Santa Ana	methylene chloride*	2.72	40.0
1524 Santa Ana	trichloroethene	1.90	
1417 Vinci Ave.	methylene chloride*	2.70	40.0
	trichloroethene	2.23	5.0
1915 Ascot	methylene chloride*	2.50	40.0
1917 Ascot	methylene chloride*	2.90	40.0
1904 C St.	methylene chloride*	1.70	40.0
1905 C St.	methylene chloride*	2.70	40.0
1913 C St.	methylene chloride*	2.89	40.0
1919 C St.	methylene chloride*	2.34	40.0
1923 C St.	methylene chloride*	2.70	40.0
1929 E St.	tetrachloroethylene	2.20	4.0
2100 E St.	trichloroethene	1.67	5.0
2220 E St.	methylene chloride*	2.10	40.0
5801 20th St.	Methylene chloride*	1.52	40.0
5900 22nd St.	methylene chloride*	2.84	40.0
5905 22nd St.	methylene chloride*	2.07	40.0
5945 22nd St.	methylene chloride*	2.53	40.0
5800 24th St.	methylene chloride*	2.10	40.0

* Methylene chloride may be due to interferrence or laboratory contamination.

TABLE 1-3.

WELL SAMPLES CONTAINING NO DETECTABLE LEVELS OF HALOCARBONS

Address of Well	Address of Well
4034 Barbara Way	1821 C St.
1123 Bell Ave.	1825 C St.
2329 Mogan Ave.	1844 C St.
3921 Tate St.	1846 C St.
1216 Claire Ave.	1901 C St.
1236 Claire Ave.	1909 C St.
1301 Claire Ave.	1928 C St.
1005 Main Ave.	1811 E St.
4912 Raley Blvd.	1840 E St.
4916 Raley Blvd.	1847 E St.
5101 Raley Blvd.	1916 E St.
1414 Santa Ana	1919 E St.
1827 Ascot	1939 E St.
1841 Ascot	1949 E St.
1845 Ascot	2040 E St.
1901 Ascot	2048 E St.
1919 Ascot	2056 E St.
1812 C St.	2211 E St.
1816 C St.	2216 E St.
1820 C St.	2401 E St.

TABLE 1-3. (continued)

WELL SAMPLES CONTAINING NO DETECTABLE LEVELS OF HALOCARBONS

Address of Well	Address of Well
4034 Barbara Way	1845 Ascot
1123 Bell Ave.	2408 E St.
2329 Mogan Ave.	2420 E St.
3921 Tate St.	2432 E St.
1216 Claire Ave.	5601 20th St.
1236 Claire Ave.	5629 20th St.
1301 Claire Ave.	5633 20th St.
1005 Main Ave.	5701 20th St.
4912 Raley Blvd.	6019 20th St.
4916 Raley Blvd.	6028 22nd St.
5101 Raley Blvd.	5748 24th St.
1414 Santa Ana	5801 24th St.
1827 Ascot	5915 24th St.
1841 Ascot	

these wells and levels of halocarbons detected in samples from them, are shown in Table 1-2. Forty-two (42) of these samples were analyzed as containing low levels of the halocarbon methylene chloride. Methylene chloride may not actually be present in these samples, but may be detected by analyses due to contamination (see Section 4.1.4).

The fifty-two (52) wells listed in Table 1-3 did not contain detectable levels of halocarbons.

Three (3) of the one hundred seven (107) wells were sampled for base/neutral and acid extractable organics using EPA Method 625, and for Priority Pollutant Metals. Only trace levels of these metals were found, well below DHS action levels. A low level of phenol, 2 ug/l, was identified in a sample from the well at 5701 20th Street. This exceeds the DHS action level, but the presence of phenol has not been confirmed by analysis of a resample.

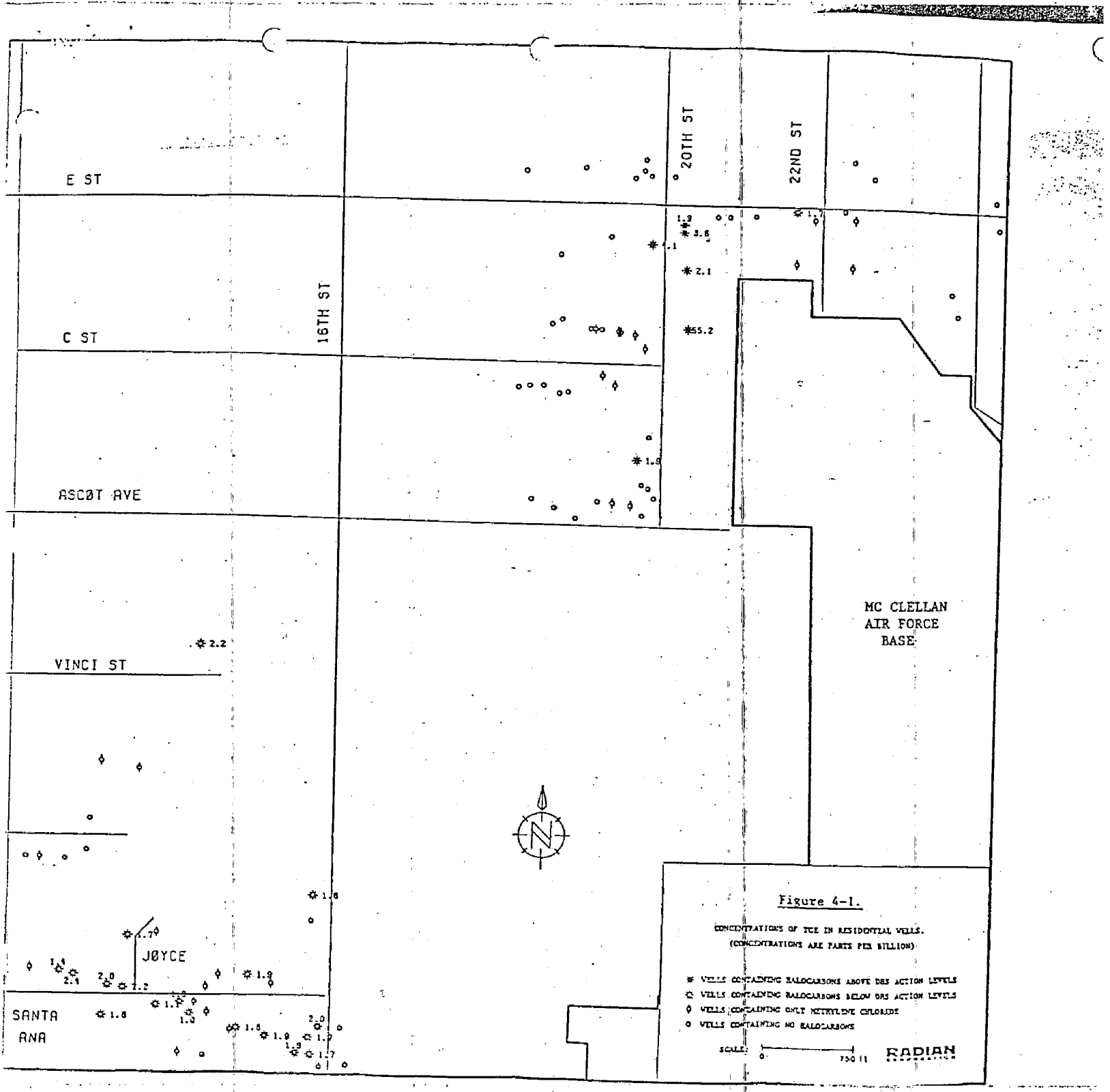
The geographic distribution of wells sampled for purgeable halocarbons is shown on Plate 1 (enclosed at the end of this report). Different symbols are used to represent 1) wells containing any halocarbons above DHS action levels, 2) wells containing one or more halocarbons below DHS action levels and, 3) wells containing no detectable levels of halocarbons. Wells found to contain only methylene chloride are denoted by a separate symbol, since the methylene chloride detected in these samples may be due to contamination (as discussed in Section 4.1.4).

Based on results of this first sampling and analysis effort, two local areas where wells contain detectable levels of halocarbons can be identified. One area is located at 20th Street extending between E Street and Ascot Avenue. Samples from six (6) wells in this area exceed DHS action levels for 1,1-dichloroethene, and two of these samples also exceed DHS action levels for other halocarbons as shown in Table 1-1.

The second area extends along Santa Ana Avenue from its intersection with Raley Blvd. to Dry Creek Road. Samples of wells from this area contain

detectable levels of halocarbons, but these levels are below DHS action levels.

This report is divided into two sections. The first section is a summarization of results from the first quarterly effort and the significance of these findings. The second section consists of supporting information presented in Appendices. These are: Appendix A, Environmental Setting; Appendix B, Field Program (including Field Quality Control Procedures); Appendix C, Laboratory Analyses (including Laboratory Quality Assurance/ Quality Control Procedures); Appendix D, California Department of Health Services Action Levels; Appendix E, Data Base; Appendix F, Field Data; Appendix G, Laboratory Analytical Results; and Appendix H, References.


E ST
C ST
ASCOT AVE
VINCI ST
SANTA ANA
16TH ST
20TH ST
22ND ST
JOYCE
MC CLELLAN AIR FORCE BASE
N
Figure 4-1.
CONCENTRATIONS OF TCE IN RESIDENTIAL WELLS.
(CONCENTRATIONS ARE PARTS PER BILLION)
WELLS CONTAINING HALOCARBONS ABOVE DHS ACTION LEVELS
WELLS CONTAINING HALOCARBONS BELOW DHS ACTION LEVELS
WELLS CONTAINING ONLY METHYLENE CHLORIDE
WELLS CONTAINING NO HALOCARBONS
SCALE:
0
750 ft
RADIAN