

# COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400 Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998

Telephone: (562) 699-7411, FAX: (562) 699-5422

www.lacsd.org

JAMES F. STAHL Chief Engineer and General Manager

FEB 2 8 2005 File No: 20-04.01-55

Mr. Harold J. Singer, Executive Officer California Regional Water Quality Control Board Lahontan Region - Victorville Branch 15428 Civic Drive, Suite 100 Victorville, CA 92392-2359

Dear Mr. Singer:

Palmdale Water Reclamation Plant WDID No. 6B190107069 WQCB Order No. 6-00-57, 6-00-57A01 and 6-00-57A02 Revised Monitoring and Reporting Program No. 6-00-57-A01, 6-00-57-A02 and 6-00-57-A03 Cleanup and Abatement Order No. R6V-2003-056 Annual Monitoring Report 2004

Enclosed please find the 2004 Annual Monitoring Report for the Palmdale Water Reclamation Plant. This report provides a concise summary of monitoring data and events which occurred during 2004.

Very truly yours,

James F. Stahl

Raymond Tremblay Supervising Engineer, **Monitoring Section** 

RT:LJ:drs Enclosure

# PALMDALE WATER RECLAMATION PLANT

## ANNUAL MONITORING REPORT

2004

RWQCB ORDER NO. 6-00-57, 6-00-57A01, & 6-00-57A02

MONITORING & REPORTING PROGRAM NO. 6-00-57-A01, 6-00-57-A02 & 6-00-57-A03



## PALMDALE WATER RECLAMATION PLANT ANNUAL MONITORING REPORT

2004

RWQCB ORDER NO. 6-00-57, 6-00-57A01 & 6-00-57A02 MONITORING AND REPORTING PROGRAM NO. 6-00-57-A01, 6-00-57-A02 & 6-00-57-A03

**County Sanitation Districts** of Los Angeles County

#### Copies of this report have been sent to:

USEPA Region IX 75 Hawthorne Street San Francisco, CA 94105

California State Department of Health Services Attn: Ms. Kurt Souza, District Engineer Drinking Water Field Operations Branch 1449 West Temple Street, Suite 202 Los Angeles, CA 90026

County of Los Angeles Department of Health Services Attn: Mr. Richard Wagener, Acting Bureau Director of Environmental Protection 2525 Corporate Place, Room 150 Monterey Park, CA 91754

L.A. County Dept. of Public Works Attn: Mr. Rod Kubomoto Waste Management Division, 7th Floor P. O. Box 1460 Alhambra, CA 91802-1460

Mr. Lewis Trout Los Angeles World Airports Palmdale Regional Airport 39516 North 25 St., E. Palmdale, CA 93550-2158

Dr. Andrew Huang Los Angeles World Airports Environmental Management Division 7301 World Way West Los Angeles. CA 90045

Harrington Farms Mr. Lee Harrington 3380 Highway 33 Maricopa, CA 93252

Antelope Valley Farming, LCC Mr. Craig Van Dam 9753 East Avenue F-8 Lancaster, CA 93535

For additional information on this report or this treatment plant, the following individuals can be contacted:

Lori James (562) 699-7411, ext. 2836 Ray Tremblay (562) 699-7411, ext. 2803

## TABLE OF CONTENTS

CHAPTER 1:	Permit Compliance and Reclaimed Water Use Report
1.1	Introduction
	Permit Requirements
	WDR Compliance
	Monitoring and Reporting
	Biosolids Management
	Operational and Maintenance Activities Effluent Reuse
CHAPTER 2:	Wastewater Facility, Laboratory and Staff
2.1	Palmdale Water Reclamation Plant
	Palmdale WRP Laboratory Data
CHAPTER 3:	Wastewater Monitoring Data
	Introduction
3.2	Tabular and Graphical Summaries
CHAPTER 4:	Groundwater and Lysimeter Monitoring Data
4.1	Introduction
4.2	Tabular and Graphical Summaries
CHAPTER 5:	Effluent Management Site Monitoring, Operations and Chemical Use Data
5.1	Introduction
APPENDIX A:	Recycled Water Treatment and Use Report
APPENDIX B:	Annual Federal Biosolids Report for the Palmdale WRP
APPENDIX C:	Laboratory Analytical Methods and Detection Limits

#### LIST OF TABLES

<u>Table</u>	
1.1	Palmdale WRP, Reclaimed Water Usage Monitoring Report – 2004
2.1	Chronology
2.2	Treatment Plant Operators
2.3	List of Constituents and Test Codes
3.1 - 3.2	Operational Data - Reuse
3.3 - 3.6	2004 Influent Laboratory Data
3.7 - 3.10	2004 Effluent Laboratory Data
4.1 - 4.18	Groundwater Monitoring Data - Water Supply Wells
4.19 - 4.54	Groundwater Monitoring Data - Monitoring Wells
4.55	Lysimeter Monitoring Data

### LIST OF FIGURES

Figure	
1.1	Palmdale WRP Effluent Management - Operations
2.1 2.2	Palmdale WRP - District Monitoring Locations Process Schematic of Palmdale WRP
3.1 - 3.7	Graphical Summaries of Influent, Effluent and Operational Data
4.1	Palmdale WRP - District Monitoring Locations
4.2	Estimated Groundwater Flow Directions
4.3 - 4.24	Graphical Summaries of Supply Well Data
4.25 - 4.74	Graphical Summaries of Monitoring Well Data

# PALMDALE WATER RECLAMATION PLANT

**CHAPTER 1** 

PERMIT COMPLIANCE AND RECLAIMED WATER USE REPORT

#### CHAPTER 1

#### PERMIT COMPLIANCE AND RECLAIMED WATER USE REPORT

#### 1.1 INTRODUCTION

This report contains the annual report for the Palmdale Water Reclamation Plant (WRP) for the year 2004.

#### 1.2 PERMIT REQUIREMENTS

The Waste Discharge and Monitoring and Reporting Requirements for the Palmdale WRP are contained in the following documents:

- 1. Board Order No. 6-00-57 (Revised Waste Discharge Requirements), adopted June 14, 2000, Board Order No. 6-00-57-A01 (Amended Waste Discharge Requirements), adopted April 14, 2004, and Board Order No. 6-00-57-A02 (Amended Waste Discharge Requirements), adopted July 26, 2004, by the California Regional Water Quality Control Board Lahontan Region (WQCB).
- 2. Revised Monitoring and Reporting Program No. 6-00-57-A01, adopted February 26, 2004, Amended Monitoring and Reporting Program No. 6-00-57-A02, adopted April 14, 2004, and Amended Monitoring and Reporting Program (MRP) No. 00-57-A03, adopted October 13, 2004 by the WQCB
- 3. Cleanup and Abatement Order No. R6V-2003-056 (CAO), issued on November 12, 2003.
- 4. Cease and Desist Order No. R6V-2004-0039 (CDO), issued on October 13, 2004.

#### 1.3 WDR COMPLIANCE

#### Effluent BODs

On November 14, 2004 the soluble  $BOD_5$  in the effluent exceeded the maximum daily limit of 45 mg/L with a value of 63 mg/L. The most probable cause of the  $BOD_5$  exceedance was the presence of nitrifying bacteria in the samples. As a result of significant populations of nitrifying bacteria in the secondary effluent, higher  $BOD_5$  values are measured due to the production of nitrogenous  $BOD_5$  (from the oxidation of ammonia to nitrate). The 30-day average limit for  $BOD_5$  for November was 25 mg/L, which is in compliance with the 30-day average limit for  $BOD_5$  of 30 mg/L.

#### Agronomic Rates

Due to extremely heavy rainfall and the potential for reclaimed water runoff from the site (additional application of effluent to the land application and land application with a crop fields would have likely resulted in runoff leaving the site due to saturated soil conditions), the District was forced to apply effluent above agronomic rates on Pivots 1 and 2, in addition to the land application areas (with and without a crop) during the month of December. This resulted in non-compliance with Board Order No. 6-00-57-A01, which states that recycled water should be

applied at agronomic rates at the Palmdale effluent management site. This information was reported in the 4<sup>th</sup> Quarter Monitoring Report submitted on January 31, 2005, in compliance with the MRP. This information was not reported in the monthly monitoring report for December since the data was not available at the time of submittal.

#### 1.4 MONITORING AND REPORTING

#### Recycled Water Treatment and Use Report

In accordance with Amended Monitoring and Reporting Program No. 00-57-A03, adopted in October 2004, a Recycled Water Treatment and Use Report for the Palmdale WRP is submitted on a monthly basis. A copy of this report is included in Appendix A.

#### **Groundwater Monitoring**

This report contains annual data for wells SW1, SW2, SW5, SW7, SW8, SW9, SW10, SW13, SWH2, MW2, MW4, MW15, MW16, MW18, MW20-29. Monitoring wells MW31, MW32, MW33, MW35, MW37, MW38, MW39, MW46, and MW51 were constructed between May and October 2004. Annual data was not obtained for these wells, due to scheduling issues associated with startup, but will be obtained in 2005. Quarterly data was obtained, and was presented in the quarterly reports, and is included herein as well.

Estimated groundwater flow direction at the sampled wells is shown in Figure 4-1.

#### 2004 Title 22 MCL Exceedances

The following tables summarize groundwater quality data exceeding the primary or secondary Maximum Contaminant Levels (MCLs) of Title 22 of California Code of Regulations. Primary MCLs are based on human health, whereas secondary MCLs are based on aesthetic concerns.

Elevated Nitrate Levels at SW10, MW4, and MW20

Wells SW10, MW4, and MW20 had elevated concentrations of nitrate at various times through out the year, as shown in the table below:

		Nitrate (mg/L)	
Date	SW 10	MW4	MW20
March 4, 2004		10.7	13.5
March 11, 2004	13.3		
April 8, 2004	13.1		
June 24, 2004			11.6
September 7, 2004	12.9		
September 23, 2004		11.2	
December 1, 2004			14.2

These levels exceed the primary drinking water MCL of 10 mg/L.

Elevated Levels of Metals at SW7, SW10, MW2, MW15, MW16 and MW22

Wells SW7, SW10, MW2, MW15, MW16 and MW22 had elevated concentrations of iron or aluminum during 2004, which exceeded the secondary drinking water MCLs for these

constituents. The following table summarizes the levels of the constituents of concern at these wells.

	SW7	SW10	MW2	MW15	MW16	MW22	MCL (mg/l)
Iron (mg/l)	0.669	0.316	1.55	0.401	0.65	0.496	0.3
Aluminum (mg/l)			1.99				1

#### Lysimeter Data and Vadose Zone Monitoring Report

Lysimeters L1, L3, L4, L6, and L16 were sampled during 2004. On many occasions, complete analysis of lysimeter samples was not possible due to insufficient moisture, or no moisture, in the sample. The District attempted to sample the lysimeters several times during the year. An effort was made to obtain at least one result for each parameter included in the MRP.

The District submitted a draft Vadose Zone Monitoring Plan (VZMP) on March 31, 2004. The WQCB responded with comments in a letter dated June 24, 2004. The District addressed the WQCB's concerns in a letter dated July 22, 2004, and submitted an amended VZMP to the WQCB on August 20, 2004. A contract for installation of new lysimeters for the amended VZMP was awarded in late January 2005. In 2005, the District will install new lysimeters per the approved VZMP.

#### Monitoring and Reporting Deviations

Beginning April 1, 2004, Revised MRP No. 6-00-57-A01 became effective, which changed the sampling frequency for several constituents for the effluent and groundwater sampling. For example, the heavy metals sampling frequency was increased to quarterly from annually and several groundwater monitoring constituents were increased to quarterly from semiannually. Therefore, only the last three quarters of 2004 are reflective of the new requirements in Revised MRP No. 6-00-57-A01.

In an effort to better characterize the water quality in the influent and effluent at the Palmdale WRP, the District sampled more frequently than required in the MRP at these locations for a variety of parameters. These parameters were still reported based on their MRP sampling frequency. For example, monthly MRP requirements, sampled now on a more frequent basis, were reported in the "Monthly Parameters" table. This data is included in this report.

For groundwater sampling the MRP states that, "The depth to ground water in each well and the field parameters of pH, electrical conductivity, temperature, and dissolved oxygen shall be measured and recorded each time a well is sampled." The District does not have control over the operation of the supply wells therefore the District can only sample the supply wells when in operation by other parties. As a result, the depth of the supply wells cannot be obtained because depth can only be measured when the wells are not in operation. Other field parameters cannot be obtained at the supply wells because the sampling apparatus for the field parameters is not compatible with the various wellheads. The District will continue to investigate obtaining the appropriate fittings and/or modifying the wellheads in an effort to connect the sampling apparatus to the wellhead.

#### 1st Quarter

Supply wells SW E and SW14 were not sampled during this quarter. SW14 is no longer in operation and SW E was not sampled due to access issues. The Districts will continue to attempt to obtain access to sample SW E for future sampling event. Monitoring wells MW1, MW17, and

MW19 were not sampled during this quarter due to pump malfunctions. The pumps for MW1 and MW19 were determined to be inoperable and MW17 is scheduled for maintenance and troubleshooting.

#### 2<sup>nd</sup> Quarter

Supply wells SW E and SW14 were not sampled during this quarter. As stated earlier, SW14 is no longer in operation and SW E was not sampled due to access issues. Several constituents were not completed for SW H2 and were reported in future reports. Monitoring wells MW1, MW17, and MW19 were not sampled during this quarter due to pump malfunctions and possible dry conditions at MW 17.

The constituents MBAS and Total Organic Carbon (TOC) were inadvertently not analyzed at many of the supply and monitoring wells during the 2<sup>nd</sup> quarter 2004. This error occurred during implementation of the new MRP requirements. Many of the wells were re-sampled within the 2<sup>nd</sup> quarter and the remainder of the wells were re-sampled during the next quarter. Results were presented in quarterly reports as well as in this report.

New monitoring wells MW38 and MW39 were installed and preliminary sampling with contract equipment was conducted in the 2<sup>nd</sup> quarter. Sampling equipment was purchased by the District and these wells were added to the routine sampling schedule.

#### 3<sup>rd</sup> Quarter

Supply wells SWE, SW1, SW9, SW13, and SW14 were not sampled during the third quarter. As stated earlier, SW14 is no longer in operation and SW E was not sampled due to it being inaccessible. SW 1, SW9 and SW13 were not in operation during the quarter. Two constituents (sulfate and chloride) were not completed in the 2<sup>nd</sup> quarter for SW H2. These constituents were included in the sampling done in the 3<sup>rd</sup> quarter, and the results were included in the quarterly reports and are included in this report. Monitoring wells MW1, MW17, and MW19 were not sampled during the third quarter due to pump malfunctions. The WQCB approved the use of low-flow purging and sampling procedures for groundwater monitoring in a letter dated August 6, 2004. These wells were fitted with pumps that were compatible with the new procedures and were added to the routine sampling schedule.

Eleven monitoring wells were equipped with transducers by Geomatrix to provide long term depth to groundwater data for compliance with the CAO. Depth to groundwater cannot be obtained by District personnel at these wells as long as the transducers are in place.

#### 4<sup>th</sup> Ouarter

Supply wells SWE, SW1, SW7, SW9, SW10, SW13, and SW14 were not sampled during the fourth quarter. As stated earlier, SW14 is no longer in operation and SW E was not sampled due to it being inaccessible. SW 1, SW7, SW9, SW10, and SW13 were not in operation during the quarter.

During the fourth quarter, new bladder pumps were installed on all monitoring wells, and low-flow purging and sampling procedures were implemented, as approved by the WQCB in a letter dated August 6, 2004. Monitoring wells MW31, 32, 33, 35, 37, and 46 were developed during the quarter and initial sampling was completed on all wells except MW31, which had insufficient yield. Monitoring wells MW1, MW17, MW19, MW25 and MW39 were not sampled during the

fourth quarter. MW1, MW25, and MW39 were unable to be sampled due to technical problems with the new bladder pumps, which are being investigated. MW17 was determined to be dry. Three attempts were made to sample MW19; on the first, farm equipment blocked access, on the second the well was buried in sand, and on the third, storm related mud blocked access.

Due to problems with the effluent pump station meter, the effluent flow data for December was calculated using the total of all meters instead of the pump station meter. Repairs were completed to the effluent pump station meter.

#### Corrections to 2004 Monthly Reports

#### May 2004

The influent ammonia and kjeldahl nitrogen (TKN) results for May 31, 2004, were inadvertently not included in the May monthly report. These results have been incorporated into this report.

#### June 2004

The influent TKN results for sample SJ09116 and SJ09446 were reported incorrectly and should have been reported as 39.9 mg/L and 47.6 mg/L, respectively. These values have been incorporated into this report.

#### September 2004

The effluent quarterly data for sample SJ12671 was reported incorrectly for several constituents and has since been revised and incorporated into this report (see Table 3.10).

#### 1.5 BIOSOLIDS MANAGEMENT

During 2004, approximately 310 dry tons of biosolids were generated. Approximately 208 dry tons of biosolids were stockpiled during 2004. Approximately 872 dry tons of biosolids were reused in composting operations. This includes approximately 664 dry tons that were stockpiled during 2002 and 2003. No biosolids remain in stockpiles as of December 31, 2004. A copy of the Annual Federal Biosolids Report for 2004 for the Palmdale WRP is included as Appendix B.

#### 1.6 OPERATIONAL AND MAINTENANCE ACTIVITIES

Palmdale WRP operates on-site oxidation ponds. Pond 1 has been out of service for over 5 years due to a damaged effluent pipeline. Pond 1 will remain off-line (out of service) until the need for additional oxidation capacity arises in the future.

Ponds 4 and 5 are aerated, which permits pond BOD loadings in excess of 60 lbs/acre/day, while maintaining the remaining ponds below the BOD limit.

#### 1.7 EFFLUENT REUSE

Reclaimed water for reuse and land application was delivered to the Effluent Management Site (EMS) located on Los Angeles World Airports (LAWA) property during 2004. The reuse/land application areas are shown in Figure 1.1.

The EMS site is a 1,920-acre area located north and northeast of the Palmdale WRP. The District entered into a lease with LAWA for the use of this land. Only a portion of this area is currently

dedicated to agricultural reuse of reclaimed water. Reclaimed water that is not used for irrigation is discharged to other portions of the EMS site for land application. The areas used for reuse operations and the responsible operators are:

Harrington Farms - 23 acres for growing pistachio trees

District (Tree Farm) - 28 acres for growing afghan pines, 4 acres of tree

barriers

Antelope Valley Farms, LLC - 1,038 acres for growing livestock fodder (alfalfa hay,

sudan grass, and winter grains)

In 2004, approximately 39.75 MG of recycled water were used by Harrington Farms, 41.64 MG by the District's tree farm and 9.27 MG for the District's tree barriers. Also in 2004, Antelope Valley Farming operated ten center-pivot irrigation systems for irrigation of forage crops, five of which were completed in fall 2004. Antelope Valley Farming began irrigating forage crops in March 2002. During 2004, Antelope Valley Farming used 1,076.51 MG.

In June 2003, the District purchased the tree nursery from Tree Mover Inc. The District continues the cultivation of afghan pines, which are used for wind barriers at the Palmdale WRP EMS.

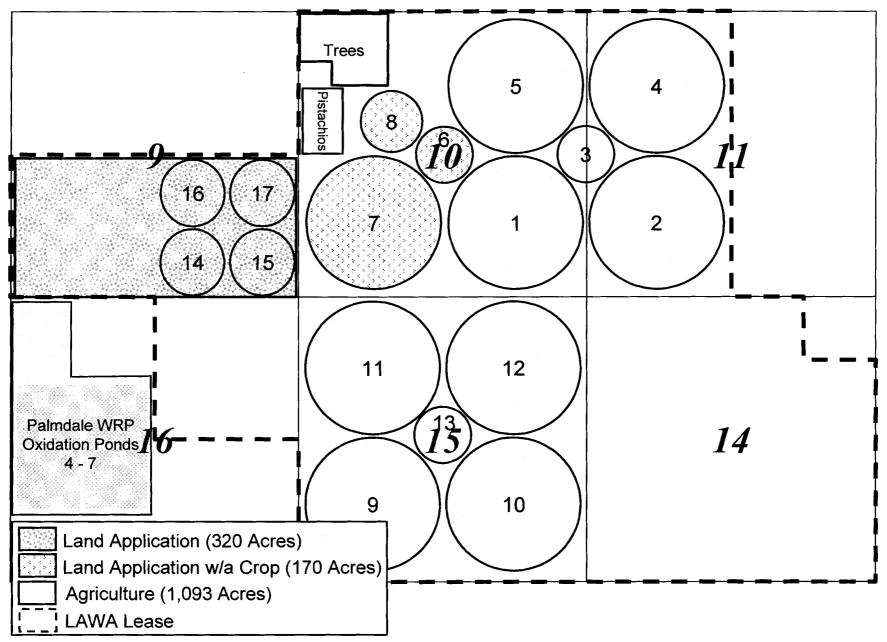
#### NAME AND ADDRESS OF USERS

Harrington Farms Mr. Lee Harrington 3380 Highway 33 Maricopa, CA 93252 Antelope Valley Farming, LCC Mr. Craig Van Dam 9753 East Avenue F-8 Lancaster, CA 93535

TABLE 1.1
PALMDALE WATER RECLAMATION PLANT
RECLAIMED WATER USAGE MONITORING REPORT- 2004

	Reclaimed water delivered		Use Area	
User	Daily Mean (MGD)	Annual Total (MG)	(Acres)	Type of Use
Harrington Farms	0.11	39.75	23	Pistachio Orchard Irrigation
District's Tree Farm	0.11	41.64	28	Irrigation of afghan pines
District	0.03	9.27	4	Tree Barriers
Antelope Valley Farming	2.94	1076.51	1038	Livestock fodder Irrigation
TOTALS	3.19	1167.17	1093	

FIGURE 1.1 PALMDALE WRP EFFLUENT MANAGEMENT - OPERATIONS



# PALMDALE WATER RECLAMATION PLANT

# **CHAPTER 2**

WASTEWATER FACILITY, LABORATORY AND STAFF

#### **CHAPTER 2**

#### WASTEWATER FACILITY, LABORATORY AND STAFF

#### 2.1 PALMDALE WATER RECLAMATION PLANT

The Palmdale WRP is located at 39300 30<sup>th</sup> Street East, Palmdale, California, 93550.

The Palmdale WRP has a design capacity of 15 mgd. The Palmdale WRP has waste discharge requirements for irrigation and land application of reclaimed water. Figure 2-1 shows the details of the plant (including both 30<sup>th</sup> and 40<sup>th</sup> street sites), the City of Los Angeles World Airports (LAWA) irrigation site, and the locations of the groundwater monitoring wells and lysimeters.

#### **Process Description**

Figure 2-2 is a process schematic of the plant that uses the following process sequence: comminution, primary sedimentation and oxidation ponds. Primary sludge and primary skimmings are anaerobically digested. The digested sludge is dried in drying beds and stockpiled on site.

#### Chronology

The chronology in Table 2-1 is provided as background in understanding how the plant evolved to its present state of development.

#### Facility Improvements in 2004

During 2004 the District implemented various interim treatment improvements to reduce effluent nitrogen concentrations. Digester supernatant treatment started September 9, 2004 and ferric chloride addition to enhance particulate nitrogen removal started September 24, 2004. An evaluation of the performance of these improvements was reported in the 4<sup>th</sup> Quarter Status Report in compliance with the CAO, which was submitted on January 14, 2005. The actual performance of interim measures to reduce effluent nitrogen concentrations has been less than expected.

In addition, during 2004 the District installed and operated temporary chlorination facilities to chlorinate the Palmdale WRP effluent. The permanent facilities are currently under construction and a Report of Wasted Discharge for this process change was submitted by the District during 2004.

The District continued to implement improvements in effluent reuse and land application practices at the effluent management site during 2004. The installation of five center pivot irrigation systems for reuse in Section 15 was completed in August 2004. In addition, the installation of four of the eight center pivots for land application in Section 9 (Pivots 14-17) was completed in December 2004.

#### TABLE 2-1 CHRONOLOGY PALMDALE WATER RECLAMATION PLANT

<u>Item</u>	Contract <u>Number</u>	<u>Date</u>
District 20 formed		08/07/51
Palmdale Treatment Plant completed (0.75 MGD)	767	09/04/53
District 20 enlarged (0.75 TO 2.5 MGD)		1956
Oxidation Ponds 5 and 6	1122	09/22/57
Digester Tank No. 2	1135	01/08/58
Dike Lining Pond 6	1239	10/03/58
Percolation Ponds 1 and 2	1237	11/03/58
District 20 Effluent Line	1238	11/14/58
Dike Lining Pond 5	1255	01/27/59
Effluent use for irrigation began		05/01/59
Oxidation ponds 1-4 and percolation ponds 1-4 combined	1398	08/03/61
District 20 Stage I Expansion (2.5 MGD to 3.1 MGD)	1996	09/14/72
Interim disposal ponds 6-9		10/80
Effluent Relief Line (24-inch)	2671	01/09/84
DOA Effluent Delivery Line (18-inch)		01/20/84
Stage II Expansion (3.1 MGD to 6.5 MGD)	2883	02/22/89
Oxidation Ponds 4 and 5	2975	05/05/89
Primary Effluent Relief Line	3055	07/19/90
Stage III Expansion (6.5 MGD to 8 MGD)	3098	07/14/93
Pond Effluent System	3168	10/30/92
Fire Protection & Water Supply Improvements	3213	11/04/92
Stage IV Groundwater Monitoring Facilities	3340	12/29/95
Stage IV Expansion (8.0 MGD to 15.0 MGD)	3341	02/26/97*

<sup>\*</sup> The treatment facilities for Stage IV expansion were placed in operation in July 1996.

Operators at the Palmdale WRP and their certifications are listed in Table 2-2.

#### **TABLE 2-2**

# TREATMENT PLANT OPERATORS PALMDALE WATER RECLAMATION PLANT ANNUAL REPORT - 2004

<b>Operator</b>	<u>Shift</u>	<b>Certification</b>
Tim Linn, Supervisor	Day	Grade III
Roberto Martinez	Day	Grade III
William Zeller	Day	Grade II
James Barrick	Day	Grade II

#### 2.2 PALMDALE WRP LABORATORY DATA

#### Laboratory Quality Assurance Activities

The Quality Assurance (QA) group of the Laboratory Section is responsible for monitoring the validity and quality of analytical data produced in the laboratory. In order to accomplish this goal, a quality assurance plan prepared by the QA Group is strictly adhered to. The plan includes routine QA activities that are performed in the laboratory in order to assure the defensibility of data reported.

In 2004, routine intra-laboratory and inter-laboratory QA activities that were performed included, but were not limited to, the following:

#### Intra-laboratory Quality Control

- A routine practice of running laboratory control samples, duplicates and matrix spikes or duplicate spikes for every ten samples, or every analytical batch of less than ten samples, was maintained for most sample types. Control limits have been established for both precision and accuracy for most analytes, and quality control data were plotted on control charts for trend analyses. For situations where the data were outside of the control limits, corrective action was initiated and maintained at the bench level until the problems were solved.
- 2. A reagent or method blank was routinely run with each batch of samples as a contamination check.
- Calibration standards were analyzed as required in the analytical methods. For some tests, a daily calibration verification standard was used to check the initial calibration curve. For other tests, a multi-point calibration curve was prepared on each day of analysis.

For some organic procedures, surrogate standards were added to every sample, duplicate, spike, and blank to monitor the performance of the procedure. The results were

- compared to established acceptance limits. When unacceptable QA results were obtained, corrective action was performed.
- 4. Instrument QA was also performed (e.g., for GC/MS, mass calibration and tuning were performed to meet ion abundance criteria required by the analytical procedure).
- 5. Chemical and bacteriological suitability testing was conducted monthly on the laboratory reagent water used for microbiological testing.
- 6. In the Microbiology groups, positive, negative, and sterility checks were performed on each batch of prepared media.
- 7. The Biology group performed routine toxicity bioassay QA by running a known toxicant with every batch of samples. They also performed other QA activities as required for a biology laboratory.

#### Inter-laboratory Quality Control

- 1. The laboratory participated in the California Department of Health Services' Environmental Laboratory Accreditation Program (ELAP) Performance Evaluation studies as part of re-certification for chemistry and microbiology. Overall performance was satisfactory.
- 2. Quality control samples in the form of QC check standards, either prepared in-house or purchased from commercial sources, were issued by the QA group to the laboratory. In situations where the results were not acceptable, the analysts and their supervisors were informed and error resolutions were performed. This consisted of checking calculations, data transcription, instrumentation, methodology, etc. Follow-up check samples were issued to verify that the analyses were back in control.
- 3. The QA Group also issued split samples collected from one of the water reclamation plants to assess analysis in a real environmental matrix. Results of these analyses were submitted to the QA group for statistical evaluation.
- 4. A sample for coliform testing and a multiple-analyst plate count was distributed to all the laboratories on a monthly basis.
- 5. The laboratory was site-visited and audited by ELAP personnel as part of the recertification process of the laboratory.

#### Laboratory Data Organization

The monitoring programs at the Palmdale WRP can be rather complex; consequently, the following explanation is provided to aid in interpreting the data.

#### Data are maintained in two databases:

1. An **operational database** for data which normally are monitored daily or weekly and are used for the day-to-day operation of the plants. These include flow, BOD, suspended solids, etc. Many of the parameters included in the operational database must be monitored and reported in accordance with the requirements listed waste discharge requirements.

Monthly and annual averages are presented along with other descriptive statistics.

- 2. A **laboratory database** for data which normally are monitored monthly or less often. These include primarily metals and organic compounds. Separate data summaries are presented for:
  - Influent monitoring
  - Effluent monitoring

#### **Laboratory Test Codes**

The Palmdale WRP uses a unique 3-character code to identify each constituent in the laboratory database. Priority pollutants and other significant constituents are organized into the following groups:

Test Group	<b>Test Code Series</b>
Physical Properties and Solids	100
Nitrogens and Sulfurs	200
Miscellaneous	300
Carbons	400
Chlorinated Pesticides and PCBs	500
Volatile Organic Compounds	600
Metals	700
Base-Neutral/Acid Extractable Compounds	800
Dioxins	D00
Furans	F00

In the laboratory data summaries, the constituents are sorted in numerical order according to the test code. Both the constituent name and test code are given at the top of each column in the data summary. Table 2-3 is provided for assistance in finding specific constituents in the summaries. One can first look for the desired constituent in this table (arranged alphabetically) to find the test code. Then, knowing the test code, one can find the desired constituent and its data in the tables that follow Table 2-3 (arranged in numeric order).

Statistical summaries follow the influent and effluent data and effluent limits follow the effluent statistical summaries.

#### **Detection Limits**

Sample results below the method detection limits are indicated by the use of the less than symbol (<).

The laboratory analytical methods and detection limits are included in Appendix C.

CONSTITUENTS	TEST CODE
1,1,1-TRICHLOROETHANE	603
1,1,2,2-TETRACHLOROETHANE	653
1,1,2-TRICHLOROETHANE	618
1,1-DICHLOROETHANE	616
1,1-DICHLOROETHENE	605
1,2,3,4,6,7,8-HEPTACHLORODIBENZFURAN	F23
1,2,3,4,6,7,8-HEPTACHLORODIBENZODIOXIN	D27
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	F24
1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN	D24
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	F19
1,2,3,4-TETRACHLORODIBENZODIOXIN	D18
1,2,3,4-TETRAMETHYLBENZENE	686
1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN	D25
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	F20
1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN	D26
	F22
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	
1,2,3,7,8-PENTACHLORODIBENZODIOXIN	D22
1,2,3,7,8-PENTACHLORODIBENZOFURAN	F17
1,2,3-TRICHLOROBENZENE	889
1,2,3-TRICHLORODIBENZODIOXIN	D14
1,2,3-TRICHLORODIBENZOFURAN	F15
1,2,4,7,8-PENTACHLORODIBENZODIOXIN	D23
1,2,4-TRICHLOROBENZENE	846
1,2,7,8-TETRACHLORODIBENZODIOXIN	D19
1,2-4TRICHLORODIBENZODIOXIN	D15
1,2-DIBROMOETHANE	673
1,2-DICHLOROBENZENE	819
1,2-DICHLORODIBENZOFURAN	F13
1,2-DICHLOROETHANE	619
1,2-DICHLOROPROPANE	650
1,2-DIPHENYLHYDRAZINE	829
1,3,5-TRICHLOROBENZENE	899
1,3,7,8-TETRACHLORODIBENZODIOXIN	D20
1,3-BUTADIENE	675
1,3-DICHLOROBENZENE	820
1,4-DICHLOROBENZENE	821
1,4-DIOXANE	696
1,6-DICHLORODIBENZODIOXIN	D11
1,7,8-TRICHLORODIBENZODIOXIN	D16
1-CHLORODIBENZODIOXIN	D09
1-CHLORODIBENZOFURAN	F09
1-METHYLNAPHTHALENE	894
1-METHYLPHENANTHRENE	896
1-PROPANOL	671
2,3,4,5-TETRACHLOROPHENOL	687
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	F21
2,3,4,7,8-PENTACHLORODIBENZOFURAN	F18
2,3,4-TRICHLOROPHENOL	693

CONSTITUENTS	TEST CODE
2,3,5,6-TETRACHLOROPHENOL	688
2,3,5-TRICHLOROPHENOL	689
2,3,5-TRIMETHYLNAPHTHALENE	898
2,3,6-TRICHLOROPHENOL	690
2,3,7,8-TCDD	844
2,3,7,8-TETRACHLORODIBENZOFURAN	F16
2,3,7-TRICHLORODIBENZODIOXIN	D17
2,3-BENZOFLUORENE	884
2,3-DICHLORODIBENZODIOXIN	D12
2,3-DICHLORODIBENZOFURAN	F14
2,4,5-T	5C1
2,4,5-TP(SILVEX)	518
2,4,5-TRICHLOROPHENOL	691
2,4,6-TRICHLOROPHENOL	664
2,4,6-TRICHLOROPHENOL	856
2,4-D(ACID)	517
2,4-DB	5C2
2,4-DICHLOROPHENOL	658
2,4-DICHLOROPHENOL	847
2,4-DIMETHYLPHENOL	626
2,4-DIMETHYLPHENOL	848
2,4-DINITROPHENOL	659
2,4-DINITROPHENOL	849
2,4-DINITROTOLUENE	826
2,4-DP (DICHLORPROP)	5B7
2,6-DIMETHYLNAPHTHALENE	892
2,6-DINITROTOLUENE	827
2,7-DICHLORODIBENZODIOXIN	D13
2-BUTANONE	680
2-CHLORODIBENZODIOXIN	D10
2-CHLORODIBENZOFURAN	F10
2-CHLOROETHYLVINYLETHER	648
2-CHLORONAPHTHALENE	815
2-CHLOROPHENOL	657
2-CHLOROPHENOL	845
2-HEXANONE	699
2-METHYL FLUORANTHENE	887
2-METHYL-4,6DINITROPHENOL	660
2-METHYL-4,6DINITROPHENOL	850
2-METHYLNAPHTHALENE	895
2-NITROPHENOL	661
2-NITROPHENOL	<b>85</b> 1
2-PROPANOL	672
2378TETRACHLORODIBENZODIOXIN	D21
3,3'-DICHLOROBENZIDINE	822
3,4,5-TRICHLOROPHENOL	692
3,6-DIMETHYLPHENANTHRENE	893
3-CHLORODIBENZOFURAN	F11

CONSTITUENTS	TEST CODE
4-BROMOPHENYL PHENYLETHER	813
4-CHLORO-3-METHYLPHENOL	656
4-CHLORO-3-METHYLPHENOL	853
4-CHLORODIBENZOFURAN	F12
4-CHLOROPHENYLPHENYLETHER	816
4-METHYL-2-PENTANONE	681
4-NITROPHENOL	662
4-NITROPHENOL	852
7,12DIMETHYLBENZ(A)ANTHRACENE	888
9,10-DIPHENYLANTHRACENE	883
ACENAPHTHENE	800
ACENAPHTHYLENE	801
ACETIC ACID	639
ACETONE	676
ACETONITRILE	665
ACIDITY	318
ACROLEIN	654
ACRYLONITRILE	655
ADA (ANTHRAQUINONE DSA)	329
ALDRIN	512
ALPHA-BHC	508
ALUMINUM	707
AMMONIA NITROGEN	201
ANTHRACENE	802
ANTIMONY	725
AROCLOR 1016	535
AROCLOR 1221	536
AROCLOR 1232	537
AROCLOR 1242	519
AROCLOR 1248	538
AROCLOR 1254	520
AROCLOR 1260	539
ARSENIC	705
ATRAZINE	550
AVAILABLE CALCIUM OXIDE	321
AVAILABLE PHOSPHORUS	339
BARIUM	706
BENZENE	620
BENZIDINE	803
BENZO(A)ANTHRACENE	804
BENZO(A)PYRENE	805
BENZO(B)FLUORANTHENE	806
BENZO(E)PYRENE	890
BENZO(G.H.I.)PERYLENE	807
BENZO(K)FLUORANTHENE	808
BENZYL CHLORIDE	678
BERYLLIUM	726
BETA-BHC	523
DD111-DHO	323

CONSTITUENTS	TEST CODE
BICARBONATE ALKALINITY	306
BIPHENYL	<b>89</b> 1
BIS(2-CHLOROETHYL)ETHER	810
BIS(2-CL-ETHOXY)METHANE	809
BIS(2-CL-ISOPROPYL)ETHER	811
BISMUTH	727
BORON	314
BROMIDE	319
BROMODICHLOROMETHANE	608
BROMOETHANE	694
BROMOFORM	610
BROMOMETHANE	646
BUTANE	635
BUTYLBENZYL PHTHALATE	814
BUTYRIC ACID	642
C+T 1,3-DICHLOROPROPENE	6B6
CADMIUM	708
CALCIUM	703
CALCIUM-HARDNESS	701
CARBON DISULFIDE	285
CARBON DISULFIDE	698
CARBON TETRACHLORIDE	604
CARBONACEOUS BOD5 (CBOD5)	412
CARBONATE ALKALINITY	307
CARBONYL SULFIDE	284
CCL4 ACTIVITY (CARBON)	121
CERIUM	728
CESIUM	729
CHLORIDE	301
CHLORINATED PESTICIDES	5B0
CHLORINE DEMAND	303
CHLORINE RESIDUAL	302
CHLOROBENZENE	611
CHLOROETHANE	647
CHLOROFORM	602
CHLOROMETHANE	649
CHRYSENE	817
CIS-1,2-DICHLOROETHYLENE	677
CIS-1,3-DICHLOROPROPENE	651
CIS-CHLORDANE	526
CIS-CHLORDENE	541
CIS-NONACHLOR	543
CN AMENABLE TO CHLORINE	210
COBALT	711
COLOR, APPARENT	104
CONDUCTIVITY	102
COPPER	712
DALAPON	5B5

CONSTITUENTS	TEST CODE
DELTA-BHC	524
DI-N-BUTYL PHTHALATE	825
DI-N-OCTYL PHTHALATE	828
DIBENZO(A,H)ANTHRACENE	818
DIBROMOCHLOROMETHANE	609
DICAMBA	5B6
DICHLORODIBENZODIOXINS	D02
DICHLORODIBENZOFURANS	F02
DICHLORVOS	5B1
DICYCLOPENTADIENE	6B5
DIELDRIN	513
DIETHYL PHTHALATE	823
DIETHYL SULFIDE	290
DIETHYLHEXYL PHTHALATE	812
DIMETHYL PHTHALATE	824
DIMETHYL SULFIDE	286
DIMETHYLDISULFIDE	291
DINOSEB	5C3
DISSOLVED OXYGEN	115
ECE (SOIL SALINITY)	E01
EDTA	327
EDTA-IRON(I)	347
ENDOSULFAN I	531
ENDOSULFAN II	532
ENDOSULFAN SULFATE	533
ENDRIN	514
ENDRIN ALDEHYDE	534
ETHANE	633
ETHANOL	623
ETHYL BENZENE	624
ETHYL MERCAPTAN	260
ETHYL MERCAPTAN	283
FLUORANTHENE	830
FLUORENE	831
FLUORIDE	313
FORMALDEHYDE	697
FREE ALKALI	345
FREE CYANIDE	207
FREON 11 (CCL3F)	669
FREON 12 (CCL2F2)	668
FREON 21 (CHCL2F)	670
FREON TF	617
GAMMA RADIATION	372
GOLD	370
GROSS ALPHA RADIOACTIVITY	371
GROSS BETA RADIOACTIVITY	510
HEPTACHLOR	511
HEPTACHLOR EPOXIDE	D07

CONSTITUENTS	TEST CODE
HEPTACHLORODIBENZODIOXINS	F07
HEPTACHLORODIBENZOFURANS	730
HEXACHLOROBENZENE	832
HEXACHLOROBUTADIENE	833
HEXACHLOROCYCLOPENTADIENE	834
HEXACHLORODIBENZODIOXINS	D06
HEXACHLORODIBENZOFURANS	F06
HEXACHLOROETHANE	835
HEXANE	637
HEXAVALENT CHROMIUM	710
HYDROGEN CYANIDE	209
HYDROGEN SULFIDE	261
HYDROGEN SULFIDE	281
HYDROXIDE ALKALINITY	308
INDENO(1,2,3-C,D)PYRENE	836
IRON	713
ISOBUTYL MERCAPTAN	289
ISOBUTYRIC ACID	641
ISOPHORONE	837
ISOPROPYL MERCAPTAN	287
ISOPROPYLBENZENE	684
ISOVALERIC ACID	643
KEPONE	5C5
LANTHANUM	731
LEAD	714
LINDANE (GAMMA-BHC)	509
LITHIUM	715
M+P CRESOL	862
M+P-CRESOL	628
M+P-XYLENE	695
M-DICHLOROBENZENE	614
M-XYLENE	666
MAGNESIUM	704
MAGNESIUM-HARDNESS	702
MANGANESE	716
MBAS	315
MCPA	5B9
MCPP	5B8
MERCAPTANS	258
MERCURY	717
METHANE	632
METHANOL	622
METHOXYCLOR	516
METHYL MERCAPTAN	259
METHYL MERCAPTAN	282
METHYL PYRENE	886
METHYLENE CHLORIDE	601
MEVINPHOS	5B2

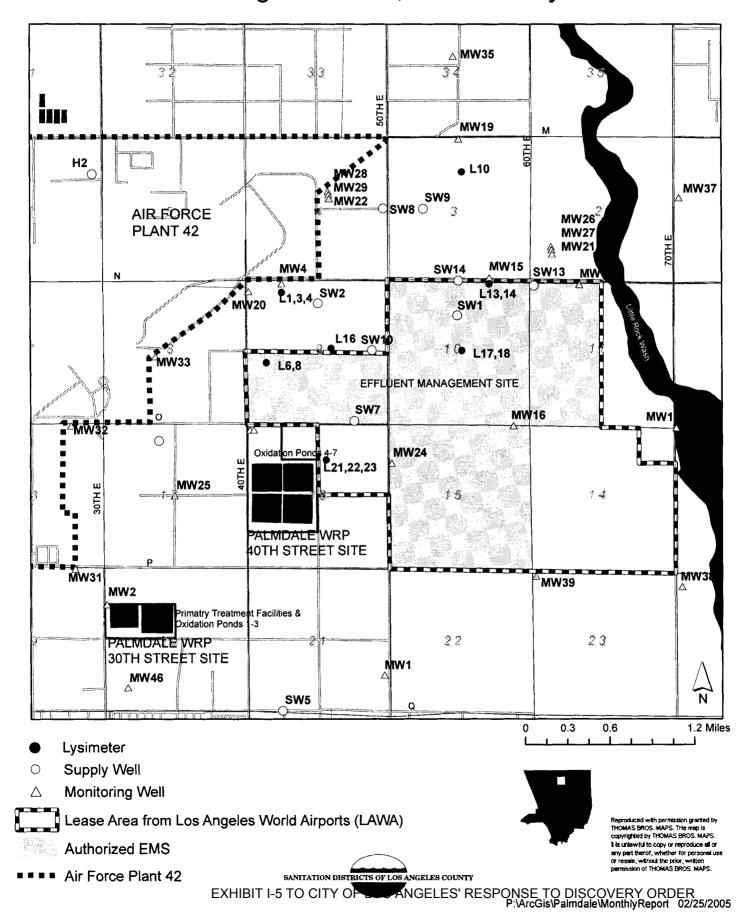
CONSTITUENTS	TEST CODE
MIREX	552
MOLYBDENUM	732
MONOCHLORODIBENZODIOXINS	D01
MONOCHLORODIBENZOFURANS	F01
N-BUTYL MERCAPTAN	295
N-NITROSODI-N-PROPYLAMINE	841
N-NITROSODIMETHYLAMINE	840
N-NITROSODIPHENYLAMINE	857
N-PROPYL MERCAPTAN	293
N-PROPYLBENZENE	685
NALED (DIBROM)	5B3
NAPHTHALENE	838
NICKEL	718
NID	316
NITRATE NITROGEN	204
NITRITE NITROGEN	205
NITROBENZENE	839
NOX (AS NO2)	211
O+P DICHLOROBENZENE	674
O+P-XYLENE	667
O-CRESOL	627
O-CRESOL	861
O-DICHLOROBENZENE	613
O-XYLENE	629
OCTACHLORODIBENZODIOXIN	D08
OCTACHLORODIBENZOFURAN	F08
OIL & GREASE	408
OP'-DDD	503
OP'-DDE	501
OP'-DDT	505
ORGANIC LEAD	7A1
ORGANIC NITROGEN	202
ORTHO PHOSPHATE	311
OXYCHLORDANE	529
P-DICHLOROBENZENE	615
P-XYLENE	630
PENTACHLORODIBENZODIOXINS	D05
PENTACHLORODIBENZOFURANS	F05
PENTACHLOROPHENOL	663
PENTACHLOROPHENOL	854
PENTANE	636
PERYLENE	897
PH	101
PHENANTHRENE	842
PHENOL	855
PHENOL(BY GC)	631
PHENOLS	312
PHENYLACETIC ACID	860

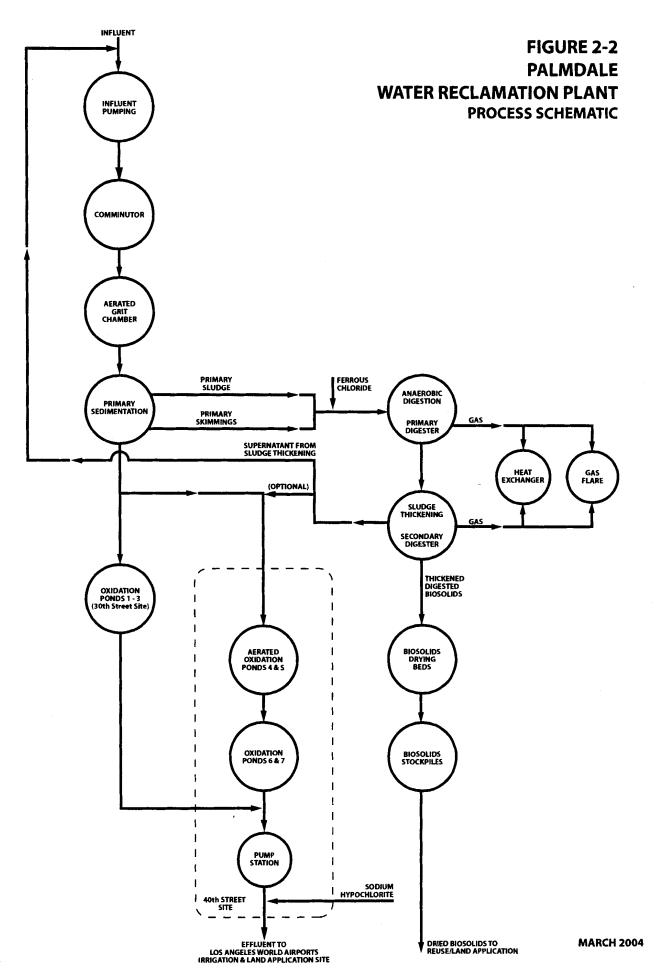
CONSTITUENTS	TEST CODE
PHTHALATE ESTERS	6B4
PICLORAM	5C4
PLUTONIUM	128
POLYCHLORINATED PHENOLS	6B1
POTASSIUM	325
POTASSIUM	719
POTASSIUM-40	131
PP'-DDD	504
PP'-DDE	502
PP'-DDT	506
PROPANE	634
PROPIONIC ACID	640
PYRENE	843
PYRIDINE	858
RADIUM 226+228	126
RADON	123
SALINITY	317
SAR	107
SEC-BUTYL MERCAPTAN	288
SELENIUM	720
SER	106
SETTLEABLE SOLIDS	156
SILICON	721
SILVER	722
SIMAZINE	551
SODIUM	723
SODIUM POTASSIUM TARTRATE	346
SOLUBLE BOD	402
SOLUBLE COD	404
SOLUBLE PHOSPHATE	320
SOLUBLE SULFIDE	252
SORBITOL	328
SPECIFIC GRAVITY	113
STRONTIUM	733
STRONTIUM-90	124
STYRENE	682
SULFATE	257
SULFITE	254
SULFUR DIOXIDE	292
SUSPENDED SOLIDS	151
TECHNICAL CHLORDANE	540
TEMPERATURE	111
TERT-BUTYL MERCAPTAN	294
TETRACHLORODIBENZODIOXINS	D04
TETRACHLORODIBENZOFURANS	F04
TETRACHLOROETHYLENE	607
TETRAHYDROFURAN	679
THALLIUM	734
***************************************	, 57

THIOCYANATE THOSULFATE THOSULFATE THOSULFATE TICH TICH TICH TICH TICH TICH TICH TOTAL TITANIUM TOLUENE TOTAL ALKALINITY TOTAL BOD TOTAL ALKALINITY TOTAL BOD TOTAL CARBAMATE PESTICIDE TOTAL CHROMIUM TOP TOTAL COD TOTAL COD TOTAL DETECTABLE DDT TOTAL DETECTABLE DDT TOTAL DETECTABLE PCBS TOTAL DETECTABLE PCBS TOTAL DETECTED PESTICIDES TOTAL HARDNESS TOTAL HARDNESS TOTAL HCH TOTAL KIELDAHL NITROGEN TOTAL NITROGEN TOTAL NITROGEN TOTAL NITROGEN TOTAL ORGANIC CARBON TOTAL ORGANIC CARBON TOTAL ORGANIC CARBON TOTAL ORGANIC HALOGEN (TOX) TOTAL SOLIFIED TOTAL SULFIDE TOTAL SULFIDE TOTAL SULFIDE TOTAL SULFUR	CONSTITUENTS	TEST CODE
THIOSULFATE         253           THORIUM         129           TICH         522           TIN         735           TITANIUM         736           TOLUENE         621           TOTAL ALKALINITY         305           TOTAL BOD         401           TOTAL CARBAMATE PESTICIDE         584           TOTAL CHROMIUM         709           TOTAL COD         403           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTABLE PCBS         530           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL HORTECTED PESTICIDES         549           TOTAL SULFUR         203           TOTAL NITROGEN         203           TOTAL NITROGEN         326	THIOCYANATE	256
THORIUM         129           TICH         522           TIN         735           TITANIUM         736           TOLUENE         621           TOTAL ALKALINITY         305           TOTAL BOD         401           TOTAL CARBAMATE PESTICIDE         5B4           TOTAL CHROMIUM         709           TOTAL COD         403           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTABLE PCBS         521           TOTAL DETECTED PESTICIDES         549           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HARDNESS         309           TOTAL NITROGEN         203           TOTAL NITROGEN         203           TOTAL NITROGEN         326           TOTAL NITROGEN         326           TOTAL ORGANIC CARBON         405           TOTAL PHOSPHATE         310           TOTAL SULFIDE         251           TOTAL SULFIDE         255           TOTAL SULFUR         255           TOTAL SULFUR         255		
TICH         522           TIN         735           TITANIUM         736           TOLUENE         621           TOTAL ALKALINITY         305           TOTAL BOD         401           TOTAL CARBAMATE PESTICIDE         5B4           TOTAL CHROMIUM         709           TOTAL CHROMIUM         709           TOTAL CYANIDE         206           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL HARDNESS         309           TOTAL HARDNESS         309           TOTAL HARDNESS         3		
TITN         735           TITANIUM         736           TOLUENE         621           TOTAL ALKALINITY         305           TOTAL BOD         401           TOTAL CARBAMATE PESTICIDE         5B4           TOTAL CHROMIUM         709           TOTAL CHROMIUM         709           TOTAL COD         403           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HOH         525           TOTAL KIELDAHL NITROGEN         203           TOTAL NITROGEN         203           TOTAL NITROGEN         326           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC HALOGEN (TOX)         410           TOTAL PHOSPHATE         310           TOTAL SOLIDS         153           TOTAL SULFIDE         251           TOTAL SULFIDE         251           TOTAL SULFUR         255           TOTAL SULFUR ESOMERS		
TITANIUM         736           TOLUENE         621           TOTAL ALKALINITY         305           TOTAL BOD         401           TOTAL CARBAMATE PESTICIDE         5B4           TOTAL CHROMIUM         709           TOTAL COD         403           TOTAL CYANIDE         206           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DETECTED PESTICIDES         525           TOTAL DETECTED PESTICIDES         529           TOTAL DETECTED PESTICIDES         530           TOTAL LYLENES         203           TOTAL KJELDALLINITROGEN         326		
TOLUENE         621           TOTAL ALKALINITY         305           TOTAL BOD         401           TOTAL CARBAMATE PESTICIDE         5B4           TOTAL CHROMIUM         709           TOTAL COD         403           TOTAL CYANIDE         206           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HARDNESS         309           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         203           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC HALOGEN (TOX)         410           TOTAL PHOSPHATE         310           TOTAL SOLIDS         153           TOTAL SULFIDE         251           TOTAL SULFUR         255           TOTAL SULFUR ISOMERS         6B7           TOXAPHENE         515           TRANS-1,2-DICHLOROETHYLENE         645           TRANSCHLORDANE         527		
TOTAL ALKALINITY         305           TOTAL BOD         401           TOTAL CARBAMATE PESTICIDE         5B4           TOTAL CHROMIUM         709           TOTAL COD         403           TOTAL CYANIDE         206           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL KJELDAHL NITROGEN         203           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         326           TOTAL NITROGEN         326           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC CARBON         405           TOTAL PHOSPHATE         310           TOTAL PHOSPHATE         310           TOTAL SULFIDE         251           TOTAL SULFUR         255           TOTAL		
TOTAL BOD         401           TOTAL CARBAMATE PESTICIDE         5B4           TOTAL CHROMIUM         709           TOTAL COD         403           TOTAL CYANIDE         206           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HARDNESS         309           TOTAL HARDNESS         309           TOTAL HORGEN         203           TOTAL NITROGEN         203           TOTAL NITROGEN         203           TOTAL NITROGEN         326           TOTAL SOLIDS         326           TOTAL PHOSPHATE         3		
TOTAL CARBAMATE PESTICIDE         5B4           TOTAL CHROMIUM         709           TOTAL COD         403           TOTAL CYANIDE         206           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL KJELDAHL NITROGEN         203           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         203           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC HALOGEN (TOX)         410           TOTAL PHOSPHATE         310           TOTAL PHOSPHOROUS         324           TOTAL SULIFIDE         251           TOTAL SULIFIDE         251           TOTAL SULIFIDE         255           TOTAL SULFUR         255           TOTAL SULFUR         255           TOTAL SULFUR         515           TOXAPHENE         515           TRANS-1,3-DICHLOROETHYLENE         645           TRANS-1,3-DICHLOROETHYLENE         522           TRANS-CHLORDENE         523 <td></td> <td></td>		
TOTAL CHROMIUM         709           TOTAL COD         403           TOTAL COD         403           TOTAL DETECTABLE DDT         507           TOTAL DETECTEABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HCH         525           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         208           TOTAL NITROGEN         326           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC HALOGEN (TOX)         410           TOTAL PHOSPHATE         310           TOTAL PHOSPHOROUS         324           TOTAL SOLIDS         153           TOTAL SULFIDE         251           TOTAL SULFIDE         255           TOTAL SULFUR         255           TOTAL SULFUR         255           TOTAL SULFUR         525           TRANS-1,3-DICHLOROETHYLENE         645           TRANS-1,3-DICHLOROPROPENE         527           TRANS-CHLORDANE         528	<del> </del>	
TOTAL COD         403           TOTAL CYANIDE         206           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HCH         525           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         208           TOTAL NITROGEN         326           TOTAL NITROGEN         326           TOTAL NITROGEN         405           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC HALOGEN (TOX)         410           TOTAL PHOSPHATE         310           TOTAL SULFUR         251           TOTAL SULFIDE         251           TOTAL SULFIDE         251           TOTAL SULFUR         255           TOTAL XYLENE ISOMERS         687           TOXAPHENE         562           TRANS-1,2-DICHLOROETHYLENE         645           TRANS-CHLORDANE         527           TRANS-CHLORDENE         522           TRANS-NONACHLOR         528           TRIBUTYL		
TOTAL CYANIDE         206           TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HACH         525           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         203           TOTAL NITROGEN         326           TOTAL NITROGEN         326           TOTAL NITROGEN         405           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC HALOGEN (TOX)         410           TOTAL PHOSPHOROUS         324           TOTAL PHOSPHOROUS         324           TOTAL SULFIDE         251           TOTAL SULFIDE         251           TOTAL SULFUR         255           TOTAL SULFUR         255           TOTAL SULFUR         255           TOTAL SULFUR         515           TRANS-1,2-DICHLOROETHYLENE         645           TRANS-1,3-DICHLOROPROPENE         522           TRANS-NONACHLOR         528           TRIBUTYLTIN         553		
TOTAL DETECTABLE DDT         507           TOTAL DETECTABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HCH         525           TOTAL NITROGEN         208           TOTAL NITROGEN         208           TOTAL NITROGEN         326           TOTAL NITROGEN         326           TOTAL NITROGEN         405           TOTAL NITROGEN         326           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC CARBON         405           TOTAL DETECTORIC CARBON         405           TOTAL PHOSPHATE         310           TOTAL PHOSPHATE         310           TOTAL SULFUR         225           TOTAL SULFUR         255           TOTAL SULFUR         255           TOTAL SULFUR         515           TRANS-1,2-DICHLOROETHYLENE         645           TRANS-CHLORDAN		
TOTAL DETECTABLE PCBS         521           TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HCH         525           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         326           TOTAL NITROGEN         326           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC HALOGEN (TOX)         410           TOTAL PHOSPHATE         310           TOTAL PHOSPHOROUS         324           TOTAL SOLIDS         153           TOTAL SULFIDE         251           TOTAL SULFIDE         255           TOTAL SULFUR         255           TOTAL XYLENE ISOMERS         6B7           TOXAPHENE         515           TRANS-1,2-DICHLOROETHYLENE         645           TRANS-1,3-DICHLOROPROPENE         522           TRANS-CHLORDANE         527           TRANS-ONDACHLOR         528           TRIBUTYLTIN         553           TRICHLORODIBENZOPIURANS         F03 </td <td></td> <td></td>		
TOTAL DETECTED CHLORDANES         530           TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HCH         525           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         208           TOTAL NITROGEN         326           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC CARBON         405           TOTAL PHOSPHATE         310           TOTAL PHOSPHOROUS         324           TOTAL SULFIDE         251           TOTAL SULFIDE         251           TOTAL SULFUR         255           TOXAPHENE         515           TRANS-1,2-DICHLOROETHYLENE         645           TRANS-1,2-DICHLOROETHYLENE         645           TRANS-CHLORDANE         527           TRANS-CHLORDENE         522           TRANS-NONACHLOR         528           TRIBUTYLTIN         553           TRICHLORODIBENZOFURANS         F03           TRICHLORODIBENZOFURANS         F03           TRICHLOROETHYLENE         885           TRITIUM         122           TURBIDITY         103           URANIUM		
TOTAL DETECTED PESTICIDES         549           TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HCH         525           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         208           TOTAL NITROGEN         326           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC HALOGEN (TOX)         410           TOTAL PHOSPHATE         310           TOTAL PHOSPHOROUS         324           TOTAL SOLIDS         153           TOTAL SULFIDE         251           TOTAL SULFUR         255           TOTAL XYLENE ISOMERS         6B7           TOXAPHENE         515           TRANS-1,2-DICHLOROETHYLENE         645           TRANS-1,2-DICHLOROETHYLENE         652           TRANS-CHLORDANE         527           TRANS-ONACHLOR         528           TRIBUTYLTIN         553           TRICHLORODIBENZODIOXINS         D03           TRICHLOROETHYLENE         606           TRIPHENYLENE         885           TRITIUM         122           TURBIDITY         103           URANIUM         125           VALERIC ACID	· · · · · · · · · · · · · · · · · · ·	
TOTAL DISSOLVED SOLIDS         155           TOTAL HARDNESS         309           TOTAL HCH         525           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         326           TOTAL NITROGEN         326           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC HALOGEN (TOX)         410           TOTAL PHOSPHATE         310           TOTAL PHOSPHOROUS         324           TOTAL SOLIDS         153           TOTAL SULFIDE         251           TOTAL SULFIDE         255           TOTAL SULFUR         255           TOTAL XYLENE ISOMERS         6B7           TOXAPHENE         515           TRANS-1,2-DICHLOROETHYLENE         645           TRANS-1,3-DICHLOROPROPENE         527           TRANS-CHLORDANE         527           TRANS-CHLORDENE         542           TRANS-NONACHLOR         528           TRIBUTYLTIN         553           TRICHLORODIBENZODIOXINS         D03           TRICHLORODIBENZOFURANS         F03           TRICHLOROETHYLENE         885           TRITIUM         122           TURBIDITY         103           URANIUM		
TOTAL HARDNESS         309           TOTAL HCH         525           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         208           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC HALOGEN (TOX)         410           TOTAL PHOSPHATE         310           TOTAL PHOSPHOROUS         324           TOTAL SOLIDS         153           TOTAL SULFIDE         251           TOTAL SULFUR         255           TOTAL XYLENE ISOMERS         6B7           TOXAPHENE         515           TRANS-1,2-DICHLOROETHYLENE         645           TRANS-1,3-DICHLOROPROPENE         527           TRANS-CHLORDANE         527           TRANS-CHLORDENE         542           TRANS-NONACHLOR         528           TRIBUTYLTIN         553           TRICHLORODIBENZODIOXINS         D03           TRICHLORODIBENZOFURANS         F03           TRICHLOROETHYLENE         606           TRIPHENYLENE         885           TRITIUM         122           TURBIDITY         103           URANIUM         125           VALERIC ACID         644           VANADIUM         737		
TOTAL HCH         525           TOTAL KJELDAHL NITROGEN         203           TOTAL NITROGEN         208           TOTAL NITROGEN         326           TOTAL ORGANIC CARBON         405           TOTAL ORGANIC HALOGEN (TOX)         410           TOTAL PHOSPHATE         310           TOTAL PHOSPHOROUS         324           TOTAL SOLIDS         153           TOTAL SULFIDE         251           TOTAL SULFUR         255           TOTAL XYLENE ISOMERS         6B7           TOXAPHENE         515           TRANS-1,2-DICHLOROETHYLENE         645           TRANS-1,3-DICHLOROPROPENE         652           TRANS-CHLORDANE         527           TRANS-CHLORDENE         542           TRANS-NONACHLOR         528           TRIBUTYLTIN         553           TRICHLORODIBENZODIOXINS         D03           TRICHLOROETHYLENE         606           TRIPHENYLENE         885           TRITIUM         122           TURBIDITY         103           URANIUM         125           VALERIC ACID         644           VANADIUM         737		
TOTAL KJELDAHL NITROGEN       208         TOTAL NITROGEN       326         TOTAL ORGANIC CARBON       405         TOTAL ORGANIC HALOGEN (TOX)       410         TOTAL PHOSPHATE       310         TOTAL PHOSPHOROUS       324         TOTAL SOLIDS       153         TOTAL SULFIDE       251         TOTAL SULFUR       255         TOTAL XYLENE ISOMERS       6B7         TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLOROETHYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737		
TOTAL NITROGEN       326         TOTAL ORGANIC CARBON       405         TOTAL ORGANIC HALOGEN (TOX)       410         TOTAL PHOSPHATE       310         TOTAL PHOSPHOROUS       324         TOTAL SOLIDS       153         TOTAL SULFIDE       251         TOTAL SULFUR       255         TOTAL XYLENE ISOMERS       6B7         TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLORODIBENZOFURANS       F03         TRICHLOROETHYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737		
TOTAL NITROGEN       326         TOTAL ORGANIC CARBON       405         TOTAL ORGANIC HALOGEN (TOX)       410         TOTAL PHOSPHATE       310         TOTAL PHOSPHOROUS       324         TOTAL SOLIDS       153         TOTAL SULFIDE       251         TOTAL SULFUR       255         TOTAL XYLENE ISOMERS       6B7         TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLOROETHYLENE       606         TRIPHENYLENE       606         TRIPHENYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737		
TOTAL ORGANIC CARBON       405         TOTAL ORGANIC HALOGEN (TOX)       410         TOTAL PHOSPHATE       310         TOTAL PHOSPHOROUS       324         TOTAL SOLIDS       153         TOTAL SULFIDE       251         TOTAL SULFUR       255         TOTAL XYLENE ISOMERS       6B7         TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLOROETHYLENE       606         TRIPHENYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737		
TOTAL ORGANIC HALOGEN (TOX)       410         TOTAL PHOSPHATE       310         TOTAL PHOSPHOROUS       324         TOTAL SOLIDS       153         TOTAL SULFIDE       251         TOTAL SULFUR       255         TOTAL XYLENE ISOMERS       6B7         TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLOROETHYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737	• • • • • • • • • • • • • • • • • • • •	
TOTAL PHOSPHATE       310         TOTAL PHOSPHOROUS       324         TOTAL SOLIDS       153         TOTAL SULFIDE       251         TOTAL SULFUR       255         TOTAL XYLENE ISOMERS       6B7         TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLOROETHYLENE       606         TRIPHENYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737		
TOTAL PHOSPHOROUS       324         TOTAL SOLIDS       153         TOTAL SULFIDE       251         TOTAL SULFUR       255         TOTAL XYLENE ISOMERS       6B7         TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLORODIBENZOFURANS       F03         TRICHLOROETHYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737		
TOTAL SULFIDE       251         TOTAL SULFUR       255         TOTAL XYLENE ISOMERS       6B7         TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLORODIBENZOFURANS       F03         TRICHLOROETHYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737		
TOTAL SULFIDE       251         TOTAL SULFUR       255         TOTAL XYLENE ISOMERS       6B7         TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLORODIBENZOFURANS       F03         TRICHLOROETHYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737		
TOTAL SULFUR       255         TOTAL XYLENE ISOMERS       6B7         TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLORODIBENZOFURANS       F03         TRICHLOROETHYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737		
TOTAL XYLENE ISOMERS       6B7         TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLORODIBENZOFURANS       F03         TRICHLOROETHYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737		
TOXAPHENE       515         TRANS-1,2-DICHLOROETHYLENE       645         TRANS-1,3-DICHLOROPROPENE       652         TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLORODIBENZOFURANS       F03         TRICHLOROETHYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737		
TRANS-1,2-DICHLOROETHYLENE TRANS-1,3-DICHLOROPROPENE TRANS-CHLORDANE TRANS-CHLORDENE TRANS-CHLORDENE TRANS-NONACHLOR TRIBUTYLTIN TRICHLORODIBENZODIOXINS TRICHLORODIBENZOFURANS TRICHLOROETHYLENE TRIPHENYLENE TRIPHENYLENE TRIPHENYLENE TRITIUM TRICHLOROETHYLENE TURBIDITY TORRENT T		:
TRANS-1,3-DICHLOROPROPENE TRANS-CHLORDANE TRANS-CHLORDENE TRANS-NONACHLOR TRIBUTYLTIN TRICHLORODIBENZODIOXINS TRICHLORODIBENZOFURANS TRICHLOROETHYLENE TRIPHENYLENE TRIPHENYLENE TRIPHENYLENE TURBIDITY TURBIDITY TURBIDITY TORONTO G44 VANADIUM TORONTO S27 TRICHLOROPENE TORONTO METANS TRICHLOROETHYLENE TORONTO METANS TOR	· · · · - · · - · · · · · · · · · ·	
TRANS-CHLORDANE       527         TRANS-CHLORDENE       542         TRANS-NONACHLOR       528         TRIBUTYLTIN       553         TRICHLORODIBENZODIOXINS       D03         TRICHLORODIBENZOFURANS       F03         TRICHLOROETHYLENE       606         TRIPHENYLENE       885         TRITIUM       122         TURBIDITY       103         URANIUM       125         VALERIC ACID       644         VANADIUM       737	,	= :
TRANS-CHLORDENE 542 TRANS-NONACHLOR 528 TRIBUTYLTIN 553 TRICHLORODIBENZODIOXINS D03 TRICHLORODIBENZOFURANS F03 TRICHLOROETHYLENE 606 TRIPHENYLENE 885 TRITIUM 122 TURBIDITY 103 URANIUM 125 VALERIC ACID 644 VANADIUM 737	•	
TRANS-NONACHLOR  TRIBUTYLTIN  553  TRICHLORODIBENZODIOXINS  TRICHLORODIBENZOFURANS  TRICHLOROETHYLENE  TRIPHENYLENE  TRITIUM  TURBIDITY  URANIUM  125  VALERIC ACID  VANADIUM  528  528  528  528  528  528  528  52		
TRIBUTYLTIN 553 TRICHLORODIBENZODIOXINS D03 TRICHLORODIBENZOFURANS F03 TRICHLOROETHYLENE 606 TRIPHENYLENE 885 TRITIUM 122 TURBIDITY 103 URANIUM 125 VALERIC ACID 644 VANADIUM 737		
TRICHLORODIBENZODIOXINS TRICHLORODIBENZOFURANS F03 TRICHLOROETHYLENE 606 TRIPHENYLENE 885 TRITIUM 122 TURBIDITY 103 URANIUM 125 VALERIC ACID 644 VANADIUM 737		
TRICHLORODIBENZOFURANS TRICHLOROETHYLENE 606 TRIPHENYLENE 885 TRITIUM 122 TURBIDITY 103 URANIUM 125 VALERIC ACID 644 VANADIUM 737		
TRICHLOROETHYLENE 606 TRIPHENYLENE 885 TRITIUM 122 TURBIDITY 103 URANIUM 125 VALERIC ACID 644 VANADIUM 737		
TRIPHENYLENE 885 TRITIUM 122 TURBIDITY 103 URANIUM 125 VALERIC ACID 644 VANADIUM 737		
TRITIUM 122 TURBIDITY 103 URANIUM 125 VALERIC ACID 644 VANADIUM 737		
TURBIDITY 103 URANIUM 125 VALERIC ACID 644 VANADIUM 737		
URANIUM 125 VALERIC ACID 644 VANADIUM 737		
VALERIC ACID 644 VANADIUM 737		
VANADIUM 737		

<u>CONSTITUENTS</u>	TEST CODE
VINYL ACETATE	625
VINYL CHLORIDE	612
VISCOSITY	114
VOLATILE ACIDS	638
VOLATILE SUSPENDED SOLIDS	152
VOLATILE TOTAL SOLIDS	154
ZINC	724

# FIGURE 2.1 PALMDALE WATER RECLAMATION PLANT Effluent Management Site, Wells and Lysimeters





# PALMDALE WATER RECLAMATION PLANT

# **CHAPTER 3**

# WASTEWATER MONITORING DATA

#### **CHAPTER 3**

#### WASTEWATER MONITORING DATA

#### 3.1 INTRODUCTION

This chapter contains data that are related to the operation and performance of the treatment plant. The data are summarized in tables and are presented in the following order: flow data, freeboard data, influent water quality data, and effluent water quality data. All data are presented together with descriptive statistics and with WDR limits. For the purpose of calculating annual averages, data that are collected during the same month are averaged first, and the average level for that month is entered in the calculation along with the data taken during the remainder of the year. In calculating averages, levels below the Minimum Detection Limit (MDL), or Reporting Minimum Limit (RML) are assumed to be equal to the MDL or RML, and not zero. Additional data and follow-up samples are averaged and presented for the month these were collected, or for the month where compliance was assessed.

The data summaries may contain results that were not reported in monthly monitoring reports. Additional data can result from sampling conducted for purposes other than routine monitoring. The additional sampling may have been performed by other agencies (i.e., WQCB), or by the District for a special study, or as a sampling follow-up to a questionable sample.

#### 3.2 TABULAR AND GRAPHICAL SUMMARIES

Data are summarized in Tables 3.1 - 3.10. The tables summarize and present the results for the month the samples were collected. Influent and effluent data are summarized in tables based on the location and frequency collected.

Selected data for 2004 are summarized in Figures 3.1 - 3.7. Levels below the MDL or RML are presented as the numerical levels of the MDL or RML.

TABLE 3.1
PALMDALE WATER RECLAMATION PLANT

#### 2004 INFLUENT AND EFFLUENT FLOWS

2004	INFLUENT <sup>1</sup> EFFLUENT													
				TO L	TO LAWA REUSE LAND APPLICATION with CROP						LAND APPLICATION			
Month	Monthly Mean	Maximum Instantaneous	Total Influent	Monthly Mean	Total	Monthly Mean	Total	% Flow	Monthly Mean	Total	% Flow	Monthly Mean	Total	% Flow
	(MGD)	(MGD)	·(MG)	(MGD)	(MG)	(MGD)	(MG)	(%)	(MGD)	(MG)	(%)	(MGD)	(MG)	(%)
January	9.2	10.0	284.9	9.1	282.2	1.4	42.8	15.1%	1.6	48.5	17.2%	6.2	191.0	67.7%
February	9.3	10.1	268.7	8.4	244.7	1.0	28.0	11.4%	0.6	18.6	7.6%	6.8	198.1	81.0%
March	9.1	10.1	283.0	8.9	274.6	2.2	67.3	24.5%	1.4	44.1	16.0%	5.3	163.3	59.5%
April	8.8	9.5	264.6	7.8	233.4	3.1	93.3	40.0%	1.5	44.5	19.1%	3.2	95.5	40.9%
May	8.9	10.3	276.8	7.8	241.4	2.8	87.6	36.3%	0.9	29.3	12.1%	4.0	124.5	51.6%
June	8.8	9.7	264.5	7.6	227.1	3.0	89.3	39.3%	0.8	23.2	10.2%	3.8	114.6	50.5%
July	8.9	9.4	274.9	7.4	228.4	3.4	105.3	46.1%	1.8	54.5	23.8%	2.2	68.6	30.0%
August	9.3	10.0	287.9	8.9	274.9	5.5	169.3	61.6%	1.3	41.1	15.0%	2.1	64.5	23.5%
September	10.0	11.3	298.8	7.3	220.2	6.1	181.6	82.4%	1.1	32.0	14.5%	0.2	6.6	3.0%
October	10.3	11.3	319.9	8.9	274.8	4.4	136.9	49.8%	1.2	36.4	13.3%	3.3	101.5	36.9%
November	10.2	11.8	306.4	8.6	256.5	2.1	62.0	24.2%	0.0	0.7	0.3%	6.5	193.9	75.6%
December	10.3	14.4	320.7	9.0	280.1	3.4	104.0	37.1%	0.2	4.7	1.7%	5.5	171.4	61.2%
Mean	9.4	10.7	287.6	8.3	253.2	3.2	97.3		1.0	31.5		4.1	124.5	
Max	10.3	14.4	320.7	9.1	282.2	6.1	181.6		1.8	54.5		6.8	198.1	
Min	8.8	9.4	264.5	7.3	220.2	1.0	28.0		0.0	0.7	·	0.2	6.6	
Total			3450.8		3038.3		1167.2	38.4%		377.7	12.4%		1493.5	49.2%
Limits	15.5	37.5												

<sup>1</sup>Represents influent to secondary treatment.

TABLE 3.2
PALMDALE WATER RECLAMATION PLANT

#### 2004 OXIDATION POND FREEBOARD

	PON	ID 2	2 POND 3		POND 4		POND 5		POND 6		POND 7	
Month	Mean	Min	Mean	Min	Mean	Min	Mean	Min	Mean Min		Mean	Min
	(inches)											
January	37	37	37	37	40	39	40	39	34	31	34	31
February	37	37	37	37	40	40	40	40	32	25	30	24
March	37	37	37	37	40	40	40	40	30	25	29	24
April	37	37	37	37	40	40	40	40	31	28	30	27
May	37	37	37	37	40	40	40	40	27	26	26	26
June	36	35	34	31	40	39	40	39	28	26	28	26
July	36	35	33	31	39	39	39	39	28	26	28	26
August	38	37	36	35	40	39	40	39	34	26	34	26
September	38	38	37	37	40	40	40	40	36	29	35	29
October	38	38	37	37	40	40	40	40	30	29	30	29
November	38	38	37	37	40	40	40	40	32	31	33	32
December	37	35	36	35	40	39	40	39	30	27	30	26
Mean	37	37	36	36	40	40	40	40	31	27	31	27
Maximum	38	38	37	37	40	40	40	40	36	31	35	32
Minimum	36	35	33	31	39	39	39	39	27	25	26	24
Limits												
Minimum		24		24		24		24	· ·	24	:	24

TABLE 3.3

PALMDALE WATER RECLAMATION PLANT

#### 2004 INFLUENT WEEKLY DATA

		Annual	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
	Mean	285	263	299	391	276	272	258	259	267	266	281	288	305
Total BOD₅ (mg/l)	Max.	768	272	363	768	306	318	404	305	276	302	287	316	331
	Min.	100	252	280	259	232	237	100	205	260	231	268	261	280
		Annual	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
	Mean	592	581	619	570	632	587	574	564	569	583	549	607	662
Total COD (mg/l)	Max.	809	701	774	607	711	626	732	593	602	640	605	647	809
	Min.	290	521	576	458	560	557	290	542	547	521	501	561	583

TABLE 3.4

PALMDALE WATER RECLAMATION PLANT

#### 2004 INFLUENT MONTHLY DATA

TEST	INFLUENT	UNIT	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean	Max.	Min.
201	Ammonia	mg-N/L	24.5	27.3	27.4	28.4	29.0	28.6	27.6	29.1	25.5	24.4	26.0	26.2	27.0	29.1	24.4
203	Kjeldahl Nitrogen	mg <b>-N</b> /L	40.8	40.6	41.4	40.4	44.5	43.2	45.1	43.21	42.5	39.5	41.5	45.9	42.4	45.9	39.5
204	Nitrate	mg- <b>N</b> /L	< .04	< .04	< .04	< .04	< .04	< .04	< .04	< .04	< .04	< .04	< .04	< .04	< .04	< .04	< .04
205	Nitrite	mg- <b>N</b> /L	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
315	MBAS	mg/L	16	12.5	14.5	15.1	13.3	18.5	18.7	17.3	15.1	16.2	22.6	18.0	16.5	22.6	12.5

TABLE 3.5
PALMDALE WATER RECLAMATION PLANT

## 2004 INFLUENT QUARTERLY AND SEMI-ANNUAL DATA

	INISI USUT QUARTER V PATA		1st Quarter	2nd	Quarter	3rd Quarter	November 11200 NA NA NA NA				
TEST	INFLUENT QUARTERLY DATA	UNIT	February	ı	May	August	November	Mean	Max.	Min.	
C15	Total Petroleum Hydrocarbons	μg/l	12000	1	1000	7500	11200	10425	12000	7500	
TEST	INFLUENT SEMI-ANNUAL DATA	UNIT	March	April	May	August		Mean	Max.	Min.	
155	Total Dissolved Solids	mg/l	498	509	NA	474	NA	494	509	474	
602	Chloroform	μg/l	NA	NA	8	3	NA	6	8	3	
608	Bromodichloromethane	μg/l	NA	NA	5	2	NA	4	5	2	
609	Dibromochloromethane	μg/l	NA	NA	4	2	NA	3	4	2	
610	Bromoform	μg/l	NA	NA	1	1	NA	1	1	1	

NA - Not Analyzed

#### PALMDALE WATER RECLAMATION PLANT

#### 2004 INFLUENT ANNUAL DATA

TEST	ANNUAL MISCELLANEOUS PARAMETERS	UNIT	AUGUST
206	Total Cyanides	μg/l	< 5
312	Total Phenois	μg/l	47
TEST	ANNUAL METALS	UNIT	AUGUST
703	Calcium	mg/l	24.0
704	Magnesium	mg/l	10.6
705	Arsenic	mg/l	< 0.001
706	Barium	mg/l	0.023
707	Aluminum	mg/l	0.58
708	Cadmium	mg/l	< 0.0004
709	Total Chromium	mg/l	< 0.01
711	Cobalt	mg/l	< 0.01
712	Copper	mg/l	0.037
713	Iron	mg/l	0.407
714	Lead	mg/l	< 0.002
716	Manganese	mg/l	0.016
717	Mercury	mg/l	0.00007
718	Nickel	mg/l	< 0.02
719	Potassium	mg/l	11.6
720	Selenium	mg/l	< 0.001
722	Silver	mg/l	< 0.025
723	Sodium	mg/l	122
724	Zinc	mg/l	0.263
725	Antimony	mg/l	< 0.0005
726	Beryllium	mg/l	< 0.0005
732	Molybdenum	mg/l	< 0.04
734	Thallium	mg/l	< 0.001
737	Vanadium	mg/l	< 0.02
TEST	ANNUAL ACID EXTRACTIBLES	UNIT	AUGUST
845	2-Chlorophenol	μg/l	< 50
847	2,4-Dichlorophenol	μg/l	< 50
848	2,4-Dimethylphenol	μg/l	< 20
849	2,4-Dinitrophenol	μg/l	< 50
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	< 50
851	2-Nitrophenol	μg/l	< 100
852	4-Nitrophenol	μg/l	< 100
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	< 10
854	Pentachlorophenol	μg/l	< 50
855	Phenol	μg/l	< 10
856	2,4,6-Trichlorophenol	μg/l	< 100

#### PALMDALE WATER RECLAMATION PLANT

#### 2004 INFLUENT ANNUAL DATA

TEST	ANNUAL PESTICIDES & PCBs	UNIT	AUGUST
502	PP'-DDE	μg/l	< 0.01
504	PP'-DDD	μg/l	< 0.01
506	PP'-DDT	μg/l	< 0.01
508	Alpha-BHC	_μg/l	< 0.01
509	Lindane (Gamma-BHC)	μg/l	< 0.01
510	Heptachlor	μg/l	< 0.01
511	Heptachlor Epoxide	μg/l	< 0.01
512	Aldrin	μg/l	< 0.01
513	Dieldrin	μg/l	< 0.01
514	Endrin	μg/l	< 0.01 < 0.5
515	Toxaphene	μg/l "	< 0.5
519 520	Aroclor 1242	μg/l	< 0.05
523	Aroclor 1254	μg/l	< 0.05
	Beta-BHC	μg/l	
524	Delta-BHC	μg/l - "	< 0.01 < 0.01
531 532	Endosulfan I	μg/l	< 0.01
533	Endosulfan II Endosulfan Sulfate	μ <u>g/l</u>	< 0.01
534	<del></del>	μg/l	< 0.04
535	Endrin Aldehyde Aroclor 1016	μg/l μg/l	< 0.1
536	Aroclor 1016 Aroclor 1221		< 0.3
537		μg/l	< 0.1
538	Aroclor 1232 Aroclor 1248	μg/l	< 0.1
539	Aroclor 1248 Aroclor 1260	μg/l	< 0.1
540	Technical Chlordane	μg/l μg/l	< 0.05
340	ANNUAL	μg/1	1 0.00
TEST	VOLATILE ORGANICS	UNIT	AUGUST
601	Methylene Chloride	μg/l	0.8
602	Chloroform	μ <b>g/l</b>	3
603	1,1,1-Trichloroethane	μg/l	< 0.5
604	Carbon Tetrachloride	μg/l	< 0.5
605	1,1-Dichloroethene	μg/l	< 0.5
606	Trichloroethylene	μg/l	< 0.5
607	Tetrachloroethylene	μ <u>g</u> /l	< 0.5
608	Bromodichloromethane	μg/l	2
610	Dibromochloromethane	μg/l	1
611	Bromoform	μg/l	< 0.5
612	Chlorobenzene	μg/l	< 0.5
613	Vinyl Chloride o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	< 0.5
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	< 0.5
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l μg/l	6
616	1,1-Dichloroethane	μ <u>g/1</u> μ <u>g/l</u>	< 0.5
618	1,1,2-Trichloroethane	μ <u>g</u> /I μg/I	< 0.5
619	1,2-Dichloroethane	μ <u>g/1</u> μ <u>g</u> /l	< 0.5
620	Benzene	μ <u>g</u> /I μg/I	< 0.5
621	Toluene	μg/I μg/I	0.7
624	Ethyl Benzene	μg/l	< 0.5
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5
646	Bromomethane	μg/l	< 0.5
647	Chloroethane	μg/l	< 0.5
648		<u> </u>	< 0.5
040	2-Chloroethylvinylether	μջ/l	\ 0.5
	2-Chloroethylvinylether Chloromethane	μg/l μg/l	
649	Chloromethane	μg/l	< 0.5
	Chloromethane 1,2-Dichloropropane	μg/l μg/l	< 0.5 < 0.5
649 650 651	Chloromethane 1,2-Dichloropropane Cis-1,3-Dichloropropene	μg/l μg/l μg/l	< 0.5 < 0.5 < 0.5
649 650 651 652	Chloromethane 1,2-Dichloropropane	μg/l μg/l μg/l μg/l	< 0.5 < 0.5
649 650 651 652 653	Chloromethane 1,2-Dichloropropane Cis-1,3-Dichloropropene Trans-1,3-Dichloropropene 1,1,2,2-Tetrachloroethane	μg/l μg/l μg/l μg/l μg/l	< 0.5 < 0.5 < 0.5 < 0.5
649 650 651 652	Chloromethane 1,2-Dichloropropane Cis-1,3-Dichloropropene Trans-1,3-Dichloropropene	μg/l μg/l μg/l μg/l	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5

#### PALMDALE WATER RECLAMATION PLANT

#### 2004 INFLUENT ANNUAL DATA

TEST	ANNUAL BASE/NEUTRAL EXTRACTIBLES	UNIT	AUGUST
800	Acenaphthene	μg/l	< 10
802	Anthracene	μg/l	< 100
803	Benzidine	μg/l	< 50
804	Benzoanthracene	μg/l	< 50
805	Benzopyrene	μg/l	< 0.04
806	Benzo(b)fluoranthene	μg/l	< 0.04
807	1,12-Benzoperylene	μg/l	< 50
808	Benzo(k)fluoranthene	μg/l	< 0.04
809	Bis(2-chloroethoxy)methane	μg/l	< 50
810	Bis(2-Chloroethyl)ether	μg/l	< 10
811	Bis(2-chloroisopropyl)ether	μg/l	< 20
812	Bis(2-diethylhexyl)phthalate	μg/l	32
813	4-Bromophenyl Phenyl Ether	μg/l	< 50
814	Butylbenzyl Phthalate	μg/l	< 100
815	2-Chloronaphthalene	μg/l	< 100
816	4-Chlorophenyl Phenyl Ether	μg/l	< 50
817	Chrysene	μg/l	< 0.02
818	1,2,5,6-Dibenzanthracene	μg/l	< 0.04
819	1,2-Dichlorobenzene	μ <b>g</b> /l	< 20
820	1,3-Dichlorobenzene	μg/l	< 10
821	1,4-Dichlorobenzene	μg/l	< 10
822	3,3'-Dichlorobenzidine	μg/l	< 50
823	Diethyl Phthalate	μg/l	< 20
824	Dimethyl Phthalate	μg/l	< 20
825	Di-n-Butyl Phthalate	μg/l	< 100
826	2,4-Dinitrotoluene	μg/l	< 50
827	2,6-Dinitrotoluene	μg/l	< 50
828	Di-n-Octyl Phthalate	μg/l	< 100
829	1,2-Diphenylhydrazine	μg/l	< 10
830	Fluoranthene	μg/l	< 10
831	Fluorene	μg/l	< 100
832	Hexachlorobenzene	μg/l	< 10
833	Hexachlorobutadiene	μg/l	< 10
834	Hexachlorocyclopentadiene	μg/l	< 50
835	Hexachloroethane	μg/l	< 10
836	Indeno(1,2,3-c,d)pyrene	μg/l	< 0.04
837	Isophorone	μg/l	< 10
838	Naphthalene	μg/l	< 10
839	Nitrobenzene	μg/l	< 10
840	n-Nitrosodimethylamine	μg/l	< 50
841	n-Nitrosodi-n-propylamine	μg/l	< 50
842	Phenanthrene	μg/l	< 50
843	Pyrene	μg/l	< 100
846	1,2,4-Trichlorobenzene	μg/l	< 50
857	n-Nitrosodiphenylamine	μg/l	< 10

TABLE 3.7

PALMDALE WATER RECLAMATION PLANT

2004 EFFLUENT TO LAWA SITE (PONDS 2-7) WEEKLY DATA

Monthly Statistics	Suspended Solids mg/l	Soluble BOD₅ mg/l	Soluble COD mg/l	Soluble Carb. BOD₅ (SCBOD) mg/l	pH 0-14	Temp °C	Dissolved Oxygen mg/l
January Mean Max. Min.	63 82 50	17 19 14	84 91 78	8 12 6	7.9 8.1 7.8	7.6 8.9 5.3	1.3 1.6 1.1
February Mean Max. Min.	79 104 61	17 22 14	93 103 87	9 14 6	8.8 8.8 8.6	9.6 10.5 8.7	2.6 3.7 1.7
March Mean Max. Min.	78 102 56	17 26 8	107 118 100	>8 >16 5	8.2 8.8 7.8	14.0 17.6 10.5	2.2 3.1 1.2
April Mean Max. Min.	102 141 78	15 30 4	97 108 87	<6 10 <3	8.4 8.6 8.1	16.0 16.5 14.9	1.8 1.9 1.6
May Mean Max Min.	73 94 53	11 28 3	88 96 74	5 >16 1	8.7 9.0 8.4	16.7 19.8 14.1	1.6 1.9 1.2
June Mean Max. Min.	83 96 74	10 10 9	85 100 78	<3 3 <3	8.7 8.9 8.3	19.7 20.1 18.9	1.8 2.3 1.4
July Mean Max. Min.	97 112 75	10 11 10	90 100 78	<5 7 <3	8.0 8.8 7.5	22.0 23.0 20.6	2.5 3.0 1.4
August Mean Max. Min.	67 78 52	14 16 9	85 93 75	5 6 3	7.7 7.9 7.5	20.9 22.0 19.5	1.5 2.3 1.0
September Mean Max Min.	124 176 82	15 19 9	82 90 71	6 7 4	7.9 8.0 7.8	18.2 20.9 15.6	4.3 8.7 1.2
October Mean Max. Min.	83 131 54	12 14 8	94 182 61	<4 4 <3	8.2 8.3 7.9	16.0 17.0 15.0	4.4 9.5 2.3
November Mean Max. Min. December	90 129 57	25 63 8	90 130 67	* 6 < 7 < 19 >16 <3	7.9 8.2 7.7	10.8 12.5 5.1	3.9 5.0 2.1
Mean Max. Min.	63 71 58	13 15 11	75 80 73	7 9 5	8.0 8.1 8.0	7.1 8.9 5.1	7.9 9.4 6.5
Mean Max. Min. Limits	84 176 50	15 63 3	89 182 61	<6 >16 1	8.2 9.0 7.5	14.9 23.0 5.1	3.0 9.5 1.0

The less than value of "< 6" was calculated using zero for the <3 and 16 for the > 16.

<sup>\*</sup>The greater than value of "< 19" was calculated using 3 for the < 3 and 63 for the > 16, since the soluble carbonaceous BOD can't exceed the soluble BOD.

TABLE 3.8

PALMDALE WATER RECLAMATION PLANT

#### 2004 EFFLUENT TO LAWA SITE (PONDS 2-7) MONTHLY DATA

TEST	MONTHLY PARAMETERS	UNIT	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean	Max.	Min.	LIMIT
155	Total Dissolved Solids	mg/l	490	514	499	522_	530	562	557	558	531	501	489	492	520	562	489	
201	Ammonia	mg-N/l	26.6	24.1	24.0	22.3	22.6	20.4	20.8	21.3	19.5	20.1	20.2	21.8	22.0	26.6	19.5	
202	Organic Nitrogen	mg-N/l	13.4	15.1	12.8	12.55	15.0	12.5	14.9	10.0	14.0	11.9	14.0	12.1	13.2	15.1	10.0	
203	Kjeldahl Nitrogen	mg-N/l	40	39.2	36.8	34.8	37.6	32.9	35.7	31.4	33.5	32.0	34.2	33.9	35.2	40	31.4	
204	Nitrate	mg-N/l	<0.04	0.06	<0.07	<0.22	<0.18	0.20	0.16	0.08	<0.17	0.09	0.13	0.08	<0.12	<.22	<.04	
205	Nitrite	mg-N/l	<0.02	0.024	0.04	<0.13	0.21	0.23	0.20	0.15	0.14	0.13	0.07	<0.03	<0.11	0.27	<0.02	
257	Sulfate	mg/l	67	63	69.0	73	72.7	73.6	73.1	72.8	65.8	65.6	60.8	66.4	69	73.6	60.8	
301	Chloride	mg/l	107	101	102	112	113	118	122	123	114	119	116	115	113	123	101	
315	MBAS	mg/l	0.3	0.15	0.16	0.17	0.15	0.2	0.17	0.1	0.2	0.1	0.16	0.2	0.2	0.3	0.1	1
723	Sodium	mg/l	111	116	107	127	131	138	136	144	123	125	126	114	125	144	107	

<sup>&</sup>lt;sup>1</sup> 30-day average=1.0 mg/l Maximum=2.0 mg/l

TABLE 3.9

PALMDALE WATER RECLAMATION PLANT

#### 2004 EFFLUENT TO LAWA SITE (PONDS 2-7) QUARTERLY DATA

TEST	QUARTERLY COMPOSITE SAMPLES	UNIT	1st Q	ıarter		2nd Quarter			3rd Quarter		: 	4th Quarter	•	Mean	Max	Min
			Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
405	Total Organic Carbon	μg/l	120000	NA	26000	18000	21300	15600	21300	17100	17100	14500	18300	28920	120000	15600
703	Calcium	mg/l	26.7	25.2	28.2	27.8	32.3	29.7	30.4	52.5	30.0	29.5	29.3	31.1	52.5	25.2
704	Magnesium	mg/l	9.5	10.1	11.0	11.2	12.4	12.1	13.2	10.8	10.8	10.6	12.8	11.3	13.2	9.5
705	Arsenic	mg/l	NA	NA	NA	0.0020	NA	NA	<0.001	NA	NA	<0.001	NA	<0.001	0.002	<0.001
708	Cadmium	mg/l	NA	NA	NA	<0.0004	NA	NA	<0.0004	NA	NA	<0.0004	NA	<0.0004	<0.0004	<0.0004
709	Total Chromium	mg/l	NA	NA	NA	<0.010	NA	NA	<0.010	NA	NA	<0.010	NA	<0.010	<0.010	<0.010
714	Lead	mg/l	NA	NA	NA	<0.002	NA	NA	<0.002	NA	NA	<0.002	NA	<0.002	<0.002	<0.002
717	Mercury	mg/l	NA	NA	NA	<0.00004	NA	NA	<0.00004	NA	NA	<0.0004	NA	<0.00004	<0.00004	<0.00004
718	Nickel	mg/l	NA	NA	NA	<0.020	NA	NA	<0.020	NA	NA	<0.020	NA	<0.020	<0.020	<0.020
719	Potassium	mg/l	13.4	<10	12.9	15.9	16.3	13.4	13.8	15.9	16.0	14.2	13.1	<14.1	16.3	<10
722	Silver	mg/l	NA	NA	NA	0.00058	NA	NA	<0.0002	NA	NA	<0.00020	NA	<0.00033	0.00058	<0.00020
725	Antim ony	mg/l	NA	NA	NA	<0.0005	NA	NA	<0.0005	NA	NA	<0.0005	NA	<0.0005	<0.0005	<0.0005
726	Beryllium	mg/l	NA	NA	NA	<0.0005	NA	NA	<0.0005	NA	NA	<0.0005	NA	<0.0005	<0.0005	<0,0005
734	Thallium	mg/l	NA	NA	NA	<0.001	NA	NA	<0.001	NA	NA	<0.001	NA	<0.001	<0.001	<0.001
TEST	QUARTERLY GRAB SAMPLES	UNIT	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean	Max	Min
C15	Total Petroleum Hydrocarbons	µg/l	460	NA	NA	<500	NA	NA	740	NA	NA	560	NA	<565	740	460
408	Oil and Grease	mg/l	6.8	NA	NA	<4	NA	NA	5.9	NA	NA	<4	NA	<5	6.8	<4
602	Chloroform	μg/l	<0.5	NA	NA	<0.5	NA	NA	<0.5	NA	NA	<1	NA	<0.6	<1	<0.5
608	Bromodichloromethane	μg/l	<0.5	NA	NA	<0.5	NA	NA	<0.5	NA	NA	<1	NA	<0.6	<1	<0.5
609	Dibromochloromethane	μg/l	<0.5	NA	NA	<0.5	NA	NA	<0.5	NA	NA	<1	NA	<0.6	<1	<0.5
610	Bromoform	μg/l	<0.5	NA	NA	<0.5	NA	NA	<0.5	NA	NA	<1	NA	<0.6	<1	<0.5

NA - Not Analyzed

PALMDALE WATER RECLAMATION PLANT

#### 2004 EFFLUENT TO LAWA SITES (PONDS 2-7) ANNUAL DATA

**TABLE 3.10** 

TERCT	ANNUAL MISCELLANEOUS	TINITE	DECEMBER
TEST	PARAMETERS	UNIT	
206	Total Cyanides	μg/l	<5_
312	Total Phenols	μg/l	<12
TEST	ANNUAL ACID EXTRACTIBLES	UNIT	DECEMBER
845	2-Chlorophenol	μg/l	<5
847	2,4-Dichlorophenol	μg/l	<5
848	2,4-Dimethylphenol	μg/l	<2
849	2,4-Dinitrophenol	μg/l	<5
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5
851	2-Nitrophenol	μg/l	<10
852	4-Nitrophenol	μg/l	<10
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1
854	Pentachlorophenol	μg/l	<1
855	Phenol	μg/l	<1
856	2,4,6-Trichlorophenol	μg/l	<10
TEST	ANNUAL PESTICIDES & PCBs	UNIT	DECEMBER
502	PP'-DDE	μg/l	<0.01
504	PP'-DDD	μg/l	<0.01
506	PP'-DDT	μg/l	<0.01
508	Alpha-BHC	μg/l	<0.01
509	Lindane (Gamma-BHC)	μg/l	<0.01
510	Heptachlor	μg/l	<0.01
511	Heptachlor Epoxide	μg/l	<0.01
512	Aldrin	μg/l	<0.01
513	Dieldrin	μg/l	<0.01
514	Endrin	μg/l	<0.01
515	Toxaphene	μg/l	<0.5
519	Aroclor 1242	μg/l	<0.1
520	Aroclor 1254	μg/l	<0.05
523	Beta-BHC	μg/l	<0.01
524	Delta-BHC	μg/l	<0.01
531	Endosulfan I	μg/l	<0.01
532	Endosulfan II	μg/l	<0.01
533	Endosulfan Sulfate	μg/l	<0.01
534	Endrin Aldehyde	μg/l	<0.04
535	Aroclor 1016	µg/l	<0.1
536	Aroclor 1221	μg/l	<0.3
537	Aroclor 1232	μg/l	<0.1
538	Aroclor 1248	μg/l	<0.1
539	Aroclor 1260	μg/l	<0.1
540	Technical Chlordane	ug/l	< 0.05

# TABLE 3.10 PALMDALE WATER RECLAMATION PLANT

## 2004 EFFLUENT TO LAWA SITES (PONDS 2-7) ANNUAL DATA

TERCT	ANNUAL	TINITE	DECEMBED
TEST	<b>VOLATILE ORGANICS</b>	UNIT	DECEMBER
601	Methylene Chloride	μg/l	<0.5
602	Chloroform	μg/l	<0.5
603	1,1,1-Trichloroethane	μg/l	<0.5
604	Carbon Tetrachloride	μg/l	<0.5
605	1,1-Dichloroethene	μg/l	<0.5
606	Trichloroethylene	μg/l	<0.5
607	Tetrachloroethylene	μg/l	<0.5
608	Bromodichloromethane	μg/l	<0.5
609	Dibromochloromethane	μg/l	< 0.5
610	Bromoform	μg/l	<0.5
611	Chlorobenzene	μg/l	<0.5
612	Vinyl Chloride	μg/l	<0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	<0.5
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5
616	1,1-Dichloroethane	μg/l	<0.5
618	1,1,2-Trichloroethane	μg/l	<0.5
619	1,2-Dichloroethane	μg/l	<0.5
620	Benzene	μg/l	<0.5
621	Toluene	μg/l	<0.5
624	Ethyl Benzene	μg/l	<0.5
645	Trans-1,2-Dichloroethylene	μg/l	<0.5
646	Bromomethane	μg/l	<0.5
647	Chloroethane	μg/l	<0.5
648	2-Chloroethylvinylether	μg/l	<0.5
649	Chloromethane	μg/l	<0.5
650	1,2-Dichloropropane	μg/l	<0.5
651	Cis-1,3-Dichloropropene	μg/l	<0.5
652	Trans-1,3-Dichloropropene	μg/l	<0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5
654	Acrolein	μg/l	<2
655	Acrylonitrile	μg/l	<2
662	Methyl Tertiary Butyl Ether	นย/ไ	<0.5

#### PALMDALE WATER RECLAMATION PLANT

## 2004 EFFLUENT TO LAWA SITES (PONDS 2-7) ANNUAL DATA

TEST	ANNUAL BASE/NEUTRAL EXTRACTIBLES	UNIT	DECEMBER
800	Acenaphthene	μg/l	<1
801	Acenaphthylene	μg/l	<10
802	Anthracene	μg/l	<10
803	Benzidine	μg/I	<5
804	Benzoanthracene	μg/l	<5
805	Benzopyrene	μg/l	<0.06
806	Benzo(b)fluoranthene	μg/l	<0.06
807	1,12-Benzoperylene	μg/l	<5
808	Benzo(k)fluoranthene	μg/l	<0.06
809	Bis(2-chloroethoxy)methane	μg/l	<5
810	Bis(2-Chloroethyl)ether	μg/l	<1
811	Bis(2-chloroisopropyl)ether	µg/l	<2
812	Bis(2-diethylhexyl)phthalate	μg/l	<10
813	4-Bromophenyl Phenyl Ether	μg/l	<5
814	Butylbenzyl Phthalate	μg/l	<10
815	2-Chloronaphthalene	μg/l	<10
816	4-Chlorophenyl Phenyl Ether	μg/l	<5
817	Chrysene	μg/l	<0.06
818	1,2,5,6-Dibenzanthracene	μg/l	<0.06
819	1,2-Dichlorobenzene	μg/l	<2
820	1,3-Dichlorobenzene	μg/l	<1
821	1,4-Dichlorobenzene	μg/l	<1
822	3,3'-Dichlorobenzidine	µg/l	<5
823	Diethyl Phthalate	μg/l	<2
824	Dimethyl Phthalate	μg/l	<2
825	Di-n-Butyl Phthalate	μg/l	<10
826	2,4-Dinitrotoluene	µg/l	<5
827	2,6-Dinitrotoluene	μg/l	<5
828	Di-n-Octyl Phthalate	μg/l	<10
829	1,2-Diphenylhydrazine	μg/l	<1
830	Fluoranthene	μg/l	<1
831	Fluorene	μg/l	<10
832	Hexachlorobenzene	μg/l_	<1
833	Hexachlorobutadiene	μg/l	<1
834	Hexachlorocyclopentadiene	μg/l	<5
835	Hexachloroethane	μg/l	<1
836	Indeno(1,2,3-c,d)pyrene	μg/l	<0.06
837	Isophorone	μg/l	<1
838	Naphthalene	μg/l	<1
839	Nitrobenzene	ug/l	<1
840	n-Nitrosodimethylamine	μg/l	<5
841	n-Nitrosodi-n-propylamine	μg/l	<5
842	Phenanthrene	μg/l	<5
843	Pyrene	μg/l	<10
844	2,3,7,8-TCDD	μ <u>g/l</u>	<4.4
846	1,2,4-Trichlorobenzene	μ <u>g/l</u>	<5
857	n-Nitrosodiphenylamine	ug/l	<1

# PALMDALE WATER RECLAMATION PLANT

# FIGURE 3.1 – 3.7 GRAPHICAL SUMMARIES

FIGURE 3.1
PALMDALE WATER RECLAMATION PLANT

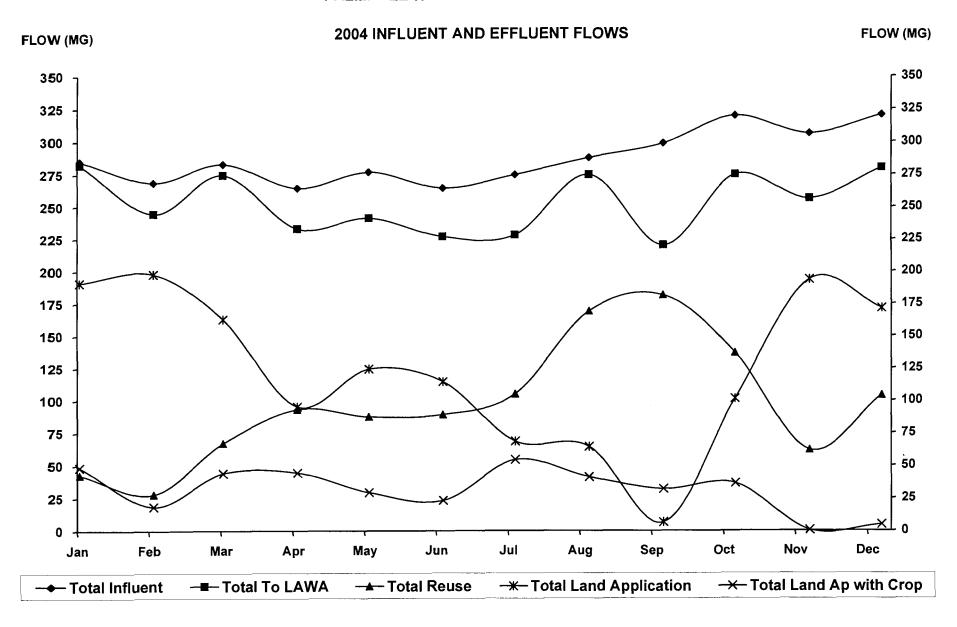


FIGURE 3.2
PALMDALE WATER RECLAMATION PLANT

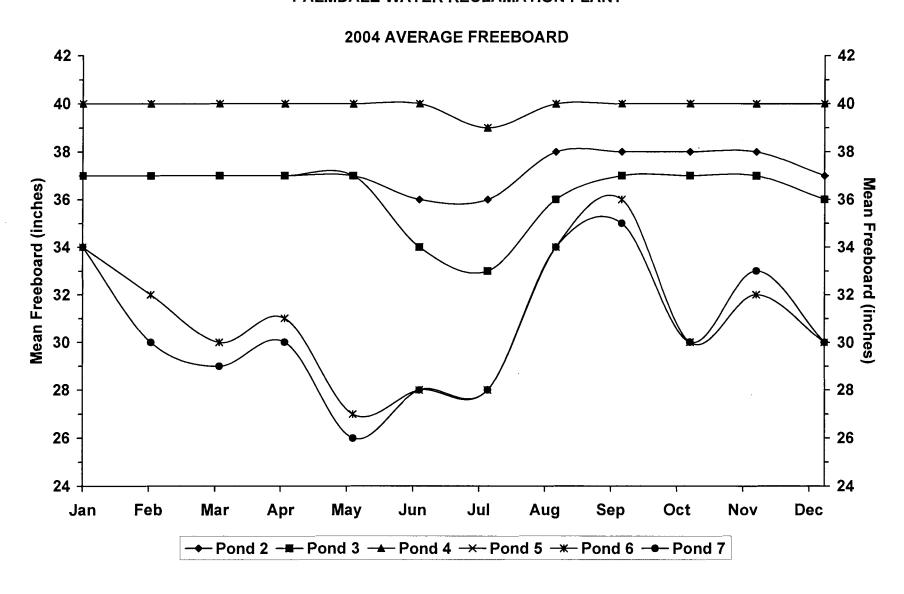


FIGURE 3.3
PALMDALE WATER RECLAMATION PLANT

#### **2004 MINIMUM FREEBOARD**

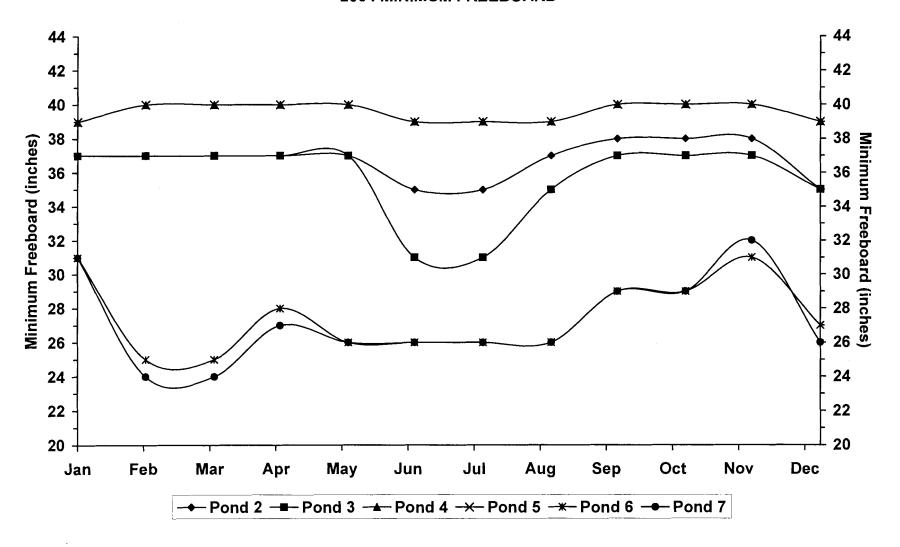


FIGURE 3.4
PALMDALE WATER RECLAMATION PLANT

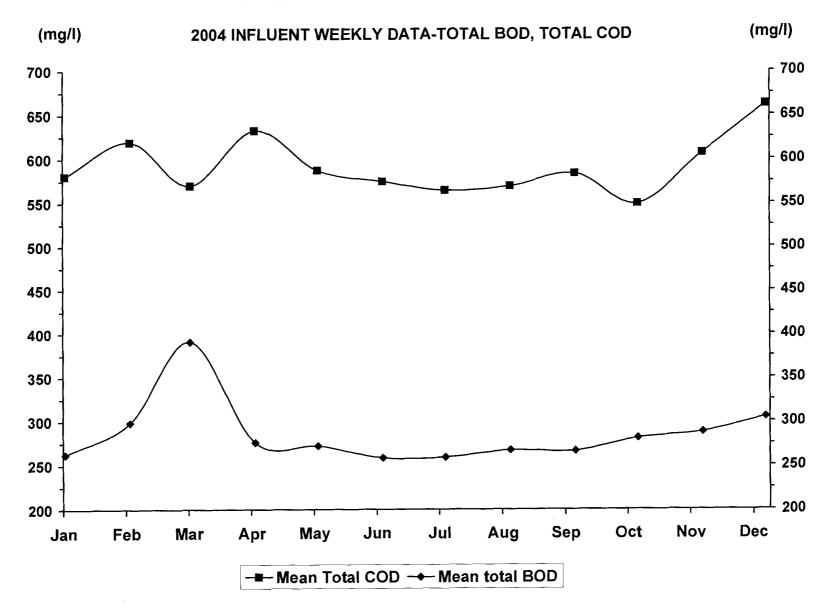


TABLE 3.5
PALMDALE WATER RECLAMATION PLANT

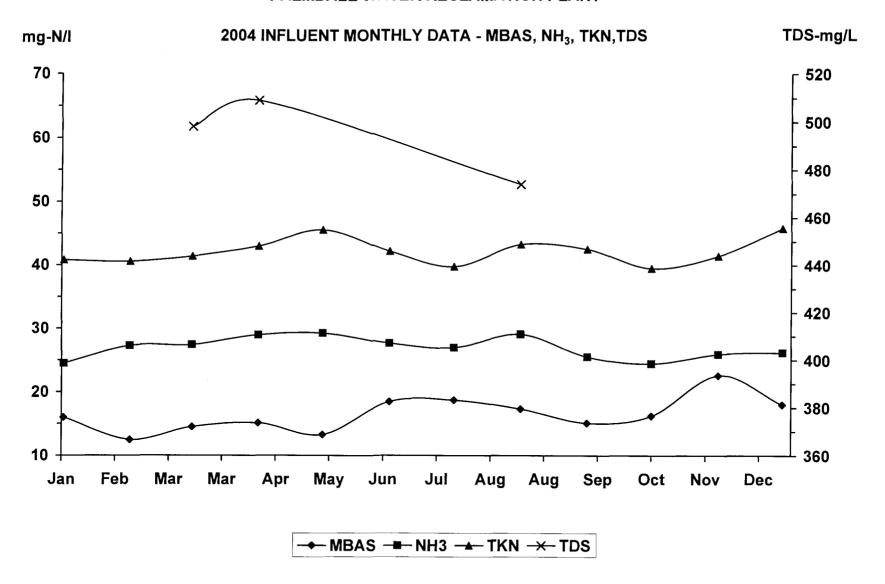


FIGURE 3.6
PALMDALE WATER RECLAMATION PLANT

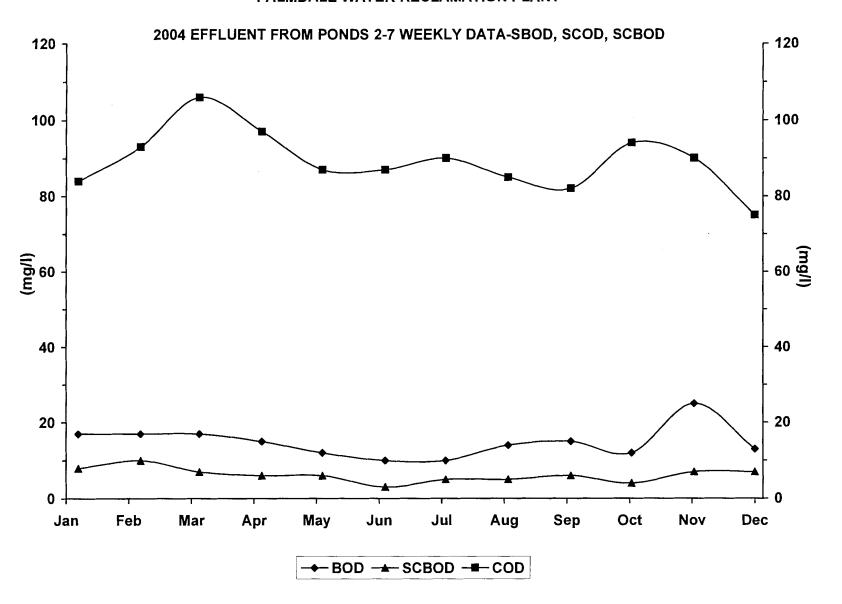
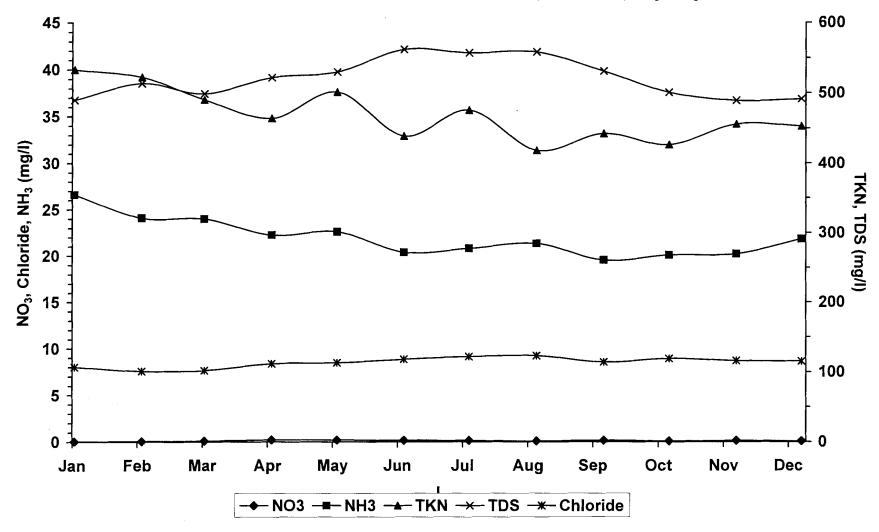


FIGURE 3.7
PALMDALE WATER RECLAMATION PLANT

# 2004 EFFLUENT FROM PONDS 2-7 MONTHLY DATA- TDS, CHLORIDE, $\mathrm{NO_3}^{\text{-}}$ , $\mathrm{NH_3}$ , TKN



# PALMDALE WATER RECLAMATION PLANT

# **CHAPTER 4**

# GROUNDWATER AND LYSIMETER MONITORING DATA

#### **CHAPTER 4**

#### GROUNDWATER and LYSIMETER DATA

#### 4.1 INTRODUCTION

This chapter contains water quality data for the monitoring and supply wells, and lysimeters at the Palmdale WRP EMS. The data are summarized in tables. Historical graphs of selected data are also presented in this chapter. All data are presented together with WDR limits. For the purpose of calculating annual averages, data that are collected during the same month are averaged first, and the average level for that month is entered in the calculation along with the data taken during the remainder of the year. In calculating averages, levels below the Minimum Detection Limit (MDL), or Reporting Minimum Limit (RML) are assumed to be equal to the MDL or RML, and not zero. Additional data for follow-up samples are presented for the month these were collected, or for the month where compliance was assessed.

The data summaries may contain results that were not reported in monthly monitoring reports. Additional data can result from sampling conducted for purposes other than routine monitoring. The additional sampling may have been performed by other agencies (i.e., WQCB), or by the District for a special study, or as a sampling follow-up to a questionable sample.

#### 4.2 TABULAR AND GRAPHICAL SUMMARIES

Data are summarized in Tables 4.1 - 4.55. The Tables summarize and present the results for the month the samples were collected. Quarterly and Annual data are reported in separate Tables for each well. Annual data are separated into the following categories: miscellaneous parameters, metals, pesticides and PCBs, volatile organics, acid extractible organics and base/neutral extractible organics. The column with the header "LIMIT" contains primary or secondary standards from the California Code of Regulations Title 22.

Figure 4-1 shows the locations of the wells and lysimeters. Figure 4-2 shows the estimated groundwater elevation and groundwater flow direction. Historical, including 2004, data of selected parameters are summarized in Figures 4.3 – 4.74. Levels below the MDL or RML are presented as the numerical levels of the MDL or RML.

**TABLE 4.1 2004 QUARTERLY DATA SUPPLY WELL SW1** 

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	APRIL	Average	Max	Min	LIMIT
1S1	рН	0-14	NA	NA	NA	NA	NA	
1S2	Temperature	°C	NA	NA	NA	NA	NA	
1S3	Dissolved Oxygen	mg/l	NA	NA	NA	NA	NA	
1S4	Electrical Conductivity	μmhos/cm	NA	NA	NA	NA	NA	1600 ¹
900	Depth to Groundwater	ft	NA	NA	NA	NA	NA	
155	Total Dissolved Solids	mg/l	186	184	185	186	184	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.01	< 0.1	< 0.1	< 0.1	< 0.01	
203	Kjeldahl Nitrogen	mg-N/l	0.3	< 0.2	<0.3	0.3	< 0.2	
204	Nitrate	mg-N/l	1.11	1.22	1.17	1.22	1.11	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	< 0.02	< 0.02	< 0.02	< 0.02	10 <sup>3</sup>
257	Sulfate	mg/l	13	16.4	15	16.4	13.0	500 <sup>4</sup>
301	Chloride	mg/l	7	9.1	8	9.1	7	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	NA	<500	<500	<500	
723	Sodium	mg/l	23	13.0	18	23	13.0	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term

NA - Not Analyzed

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
015	(MISCELLANEOUS)  Total Petroleum Hydrocarbons	/1	<(0	
C15 206	Total Cyanides	μg/l μg/l	<60 <5	200
312	Total Phenols	$\frac{\mu g/l}{\mu g/l}$	<10	200
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	25.6	
704	Magnesium	mg/l	5.7	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.038	1
707	Aluminum	mg/l	<0.05	1 0 005
708	Cadmium	mg/l	<0.0004	0.005
709	Total Chromium	mg/l	<0.01	0.05
711	Cobalt	mg/l mg/l	<0.01 <0.008	1
713	Copper		<0.08	0.3
714	Iron Lead	mg/l mg/l	<0.002	1 0.3
716	Manganese	mg/l	<0.005	0.05
717	Mercury	mg/l	<0.0004	0.002
718	Nickel	mg/l	< 0.02	0.1
719	Potassium	mg/l	<10	<del> </del>
720	Selenium	mg/l	< 0.001	0.05
722	Silver	mg/l	< 0.0002	0.1
724	Zinc	mg/l	0.018	5
725	Antimony	mg/l	< 0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	<0.04	
734	Thallium	mg/l	<0.001	0.002
737	Vanadium	mg/l	< 0.02	
TEST	ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	PP'-DDE	ug/l	< 0.01	1
504	PP'-DDD	μg/l	< 0.01	
506	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	μg/l	< 0.01	
509	Lindane (Gamma-BHC)	μg/l	< 0.01	0.2
510	Heptachlor	μg/l	< 0.01	0.01
511	Heptachlor Epoxide	μg/l	< 0.01	0.01
512	Aldrin	μg/l	< 0.01	
513	Dieldrin	μ <u>g/l</u>	<0.01	<del>                                     </del>
514	Endrin	μg/l	<0.01	2
515 519	Toxaphene Aroclor 1242	μg/l	<0.5	3
520	Aroclor 1242 Aroclor 1254	μg/l	<0.1 <0.05	+
523	Beta-BHC	μ <u>g/l</u> μ <u>g</u> /l	<0.03	+
524	Delta-BHC	μg/I μg/l	<0.01	<del> </del>
531	Endosulfan I	μg/l	<0.01	1
532	Endosulfan II	μg/l	<0.01	1
533	Endosulfan Sulfate	μg/l	< 0.01	
534	Endrin Aldehyde	μg/l	< 0.01	
535	Aroclor 1016	μg/l	<0.1	0.5
536	Aroclor 1221	μg/l	<0.1	0.5
537	Aroclor 1232	μg/l	< 0.1	0.5
538	Aroclor 1248	μg/l	<0.1	0.5
539 540	Aroclor 1260 Technical Chlordane	μ <u>g/l</u> μ <u>g</u> /l	<0.1 <0.05	0.5

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
601	(VOLATILE ORGANICS)  Methylene Chloride	/1	<0.5	ļ
602	Chloroform	μg/l mg/l	<0.5	<u> </u>
603	1,1,1-Trichloroethane	nig/1 μg/l	<0.5	200
604	Carbon Tetrachloride	μg/I μg/I	<0.5	0.5
605	1.1-Dichloroethene	μ <u>α/</u> Ι μ <u>σ/</u> Ι	<0.5	6
606	Trichloroethylene	μ <u>ε/</u> 1	<0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	mg/l	<0.5	
609	Dibromochloromethane	ug/l	<0.5	
610	Bromoform	μg/l	<0.5	<del>                                     </del>
611	Chlorobenzene	μ <u>g</u> /1	<0.5	70
612	Vinyl Chloride	ևը/I ևը/I	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	<del></del>	<0.5	600
614	m-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l μg/l	<0.5	000
615	p-Dichlorobenzene (1,3-Dichlorobenzene)	<u>де/I</u>	<0.5	5
616	1.1-Dichloroethane		<0.5	5
618	1.1,2-Trichloroethane	μg/l	<0.5	5
619	1.2-Dichloroethane	<u>μg/l</u>	<0.5	0.5
620		μg/l	<0.5	
621	Benzene	μg/l	<0.5	150
	Toluene Ethyl Benzene	μg/l	<0.5	700
624 645		μg/l	<0.5	10
646	Trans-1,2-Dichloroethylene	μg/l		10
647	Bromomethane	μ <u>g/l</u>	<0.5 <0.5	<del> </del>
	Chloroethane	μg/l		<del>                                     </del>
648 649	2-Chloroethylvinylether	μg/l	<0.5 <0.5	<del> </del>
	Chloromethane	μg/l		<del></del>
650	1,2-Dichloropropane	μg/l	<0.5	5
651	Cis-1,3-Dichloropropene	μ <u>g/l</u>	<0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5	1
654	Acrolein	μ <u>g/l</u>	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	<0.5	
TEST	ANNUAL MRP PARAMETERS (ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	-
847	2,4-Dichlorophenol		< <u>5</u>	-
848	2,4-Dimethylphenol	μg/l μg/l	<2	+
849	2,4-Dinitrophenol	μ <u>g</u> /l	< <u>5</u>	<del></del>
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μ <u>μ</u> /Ι	<5	+
851	2-Nitrophenol	μg/l μg/l	<10	+
852	4-Nitrophenol	μ <u>g</u> /I	<10	<del>                                     </del>
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μ <u>g</u> /I μ <u>g</u> /l	<u> </u>	<del>                                     </del>
854	Pentachlorophenol	μg/I μg/I	<5	<del></del>
855	Phenol		<1	1
856	2,4,6-Trichlorophenol	μg/l	<10	1
620	12,4,0-111cmorophenoi	μg/l	<10	<u> </u>

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
800	(BASE/NEUTRAL EXTRACTIBLES) Acenaphthene		<1	
801	Acenaphthylene	μg/l	<10	ļ
802	Anthracene	μg/l	<10	ļ
803	Benzidine	μg/l	<5	<del>                                     </del>
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	<del> </del>	0.2
806	Benzo(b)fluoranthene	<u>μg/l</u>	<0.02	0.2
807	1,12-Benzoperylene	μg/l	<0.02	<u> </u>
808	Benzo(k)fluoranthene	μg/l	<5	
809	Bis(2-chloroethoxy)methane	<u>μg/l</u>	<0.02	
810	Bis(2-Chloroethyl)ether	μg/l	<5	<del>  </del>
811		μ <u>g/l</u>	<1	ļ
812	Bis(2-chloroisopropyl)ether	<u>μg/l</u>	<2	,
813	Bis(2-diethylhexyl)phthalate	<u>μg/l</u>	<2	4
813	4-Bromophenyl Phenyl Ether	μ <u>g/l</u>	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	<0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	<b>.</b>
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μ <u>g</u> /l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	ļ
827	2,6-Dinitrotoluene	μg/l	<5	<u> </u>
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	<u> </u>
830	Fluoranthene	μg/l	<1	
831	Fluorene	цд/І	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/l	< 0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	< 0.0000011	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

TABLE 4.3 **2004 QUARTERLY DATA** 

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	APRIL	AUGUST	NOVEMBER	Average	Max	Min	LIMIT
1S1	рН	0-14	NA	NA	NA	NA	NA	NA	NA	
1S2	Temperature	°C	NA	NA	NA	NA	NA	NA	NA	
1S3	Dissolved Oxygen	mg/l	NA	NA	NA	NA	NA	NA	NA	
1S4	Electrical Conductivity	μmhos/cm	NA	NA	NA	NA	NA	NA	NA	1600 <sup>1</sup>
900	Depth to Groundwater	ft	NA	NA	NA	NA	NA	NA	NA	
155	Total Dissolved Solids	mg/l	306	320	250	310	297	320	250	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	< 0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
204	Nitrate	mg-N/l	5.23	5.45	5.21	5.53	5.36	5.53	5.21	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	< 0.02	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	40.5	43.6	39.7	41.3	41.3	43.6	39.7	500 <sup>4</sup>
301	Chloride	mg/l	39.2	38	35.4	37.9	37.6	39.2	35.4	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	< 500	670	<500	<543	670	<500	
723	Sodium	mg/l	28.9	22.5	28.2	28.9	27.1	28.9	22.5	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10

<sup>&</sup>lt;sup>4</sup> 250 recommended / 500 upper / 600 short term

NA - Not Analyzed

\* - Incomplete

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
C15	(MISCELLANEOUS)  Total Petroleum Hydrocarbons		<60	
206	Total Cvanides	mg/l ug/l	<5	200
312	Total Phenols	μg/l	<11	200
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	55.5	<del> </del>
704	Magnesium	mg/l	11.0	<del>                                     </del>
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.084	1
707	Aluminum	mg/l	< 0.05	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	< 0.01	0.05
711	Cobalt	mg/l	< 0.01	
712	Copper	mg/l	<0.008	11
713	Iron	mg/l	< 0.05	0.3
714	Lead	mg/l	< 0.002	
716	Manganese	mg/l	< 0.005	0.05
717	Mercury	mg/l	< 0.0001	0.002
718	Nickel	mg/l	<0.02	0.1
719	Potassium	mg/l	<10	0.05
720	Selenium	mg/l	<0.001	0.05
722	Silver	mg/l	<0.0002	0.1
724 725	Zinc	mg/l mg/l	0.016 <0.0005	0.006
726	Antimony		<0.0005	0.008
732	Beryllium Molybdenum	mg/l mg/l	<0.0003	0.004
734	Thallium	mg/l	<0.001	0.002
737	Vanadium	mg/l	<0.001	0.002
TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(PESTICIDES & PCBs)	UNII		Liiviii
502	PP'-DDE	μg/l	< 0.01	
504	PP'-DDD	μg/l	< 0.01	
506	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	μg/l	<0.01	
509	Lindane (Gamma-BHC)	<u>μg/l</u>	<0.01	0.2
510	Heptachlor	μ <u>g/l</u>	<0.01	0.01
511	Heptachlor Epoxide	μg/l	<0.01	0.01
512	Aldrin	μg/l	<0.01	<del> </del>
513 514	Dieldrin Endrin	µg/l	<0.01 <0.01	2
515	Toxaphene	μg/l μg/l	<0.01	3
519	Aroclor 1242	μ <u>g</u> /l	<0.1	+ - '
520	Aroclor 1254	μ <u>α/</u> Ι μ <u>α</u> /l	<0.05	<del>                                     </del>
523	Beta-BHC	μ <u>ε</u> /Ι	<0.03	1
524	Delta-BHC	μg/l	<0.01	
531	Endosulfan l	μg/l	<0.01	
532	Endosulfan II	_μg/l	< 0.01	1
533	Endosulfan Sulfate	μg/l	< 0.01	
534	Endrin Aldehyde	μg/l	< 0.01	
535	Aroclor 1016	μg/l	<0.1	0.5
536	Aroclor 1221	μg/l	<0.1	0.5
537	Aroclor 1232	μg/l	<0.1	0.5
538	Aroclor 1248	μg/l	< 0.1	0.5
539	Aroclor 1260	μg/l	< 0.1	0.5
540	Technical Chlordane	μg/l	<0.05	0.1

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MADCH	LIMIT
	(VOLATILE ORGANICS)	UNII	MARCH	LIMIT
601	Methylene Chloride	μg/l	< 0.5	
602	Chloroform	μg/l	< 0.5	
603	1,1,1-Trichloroethane	μg/l	< 0.5	200
604	Carbon Tetrachloride	μg/l	< 0.5	0.5
605	1,1-Dichloroethene	μg/l	< 0.5	6
606	Trichloroethylene	μg/l	< 0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	μg/l	< 0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	< 0.5	1
611	Chlorobenzene	μg/l	< 0.5	70
612	Vinyl Chloride	μg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	< 0.5	1
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μg/l	< 0.5	5
619	1,2-Dichloroethane	μg/l	<0.5	0.5
620	Benzene	μα/l	< 0.5	1
621	Toluene	μg/l	< 0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	<0.5	
648	2-Chloroethylvinylether	μg/l	<0.5	
649	Chloromethane	μg/l	<0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	ug/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	_ μg/l	<0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	ug/l	< 0.5	
TEST	ANNUAL MRP PARAMETERS			
IESI	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	1
847	2.4-Dichlorophenol	μg/l	<del>- &lt;5</del>	<del>                                     </del>
848	2,4-Dimethylphenol	μ <u>σ/1</u>	<2	1
849	2,4-Dinitrophenol	µg/I	< <u>5</u>	<del> </del>
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l		<del> </del>
851	2-Nitrophenol	μg/l	<10	<del> </del>
852	4-Nitrophenol	ug/l	<10	<del>                                     </del>
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μ <u>g/1</u>	<1	<del>                                     </del>
854	Pentachlorophenol	μg/l	<del>- &lt;5</del>	1
855	Phenol	μg/l	<del>\</del>	<del>                                     </del>
856	2,4,6-Trichlorophenol	μg/l	<del></del>	<del>                                     </del>

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	ug/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	1
810	Bis(2-Chloroethyl)ether	μg/I	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	ug/1	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	ug/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	†
817	Chrysene	μg/l	<0.02	******
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	
819	1,2-Dichlorobenzene	ug/l	<2	<u> </u>
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	†
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	<del> </del>
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	ug/l	<5	
827	2,6-Dinitrotoluene	μg/l	<u>&lt;5</u>	1
828	Di-n-Octyl Phthalate	μ <u>ε/1</u>	<10	
829	1,2-Diphenylhydrazine	μg/l	<li>&lt;1 &lt; 1</li>	1
830	Fluoranthene	μg/l	<1	<del></del>
831	Fluorene	μg/l	<10	1
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l μg/l	<1	<del>                                     </del>
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	ug/l	<1	30
836	Indeno(1,2,3-c,d)pyrene	μ <u>μ</u> σ/1	<0.02	-
837	Isophorone	μ <u>g</u> /l	<1	<del>                                       </del>
838	Naphthalene	μ <u>g/1</u> μg/l	<1	<del>                                     </del>
839	Nitrobenzene	μ <u>g/1</u> μg/l	<1	<del> </del>
840	n-Nitrosodimethylamine	μg/l	<5	<del>                                     </del>
841	n-Nitrosodin-propylamine	μ <u>g/l</u> μ <u>g/l</u>	<5	
842	Phenanthrene	μg/1 μg/l	<5	
843	Pyrene		<10	<del>                                     </del>
844	2,3,7,8-TCDD	μg/l	<0.000001	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<0.000001 <5	70
857	n-Nitrosodiphenylamine	μg/l μg/l	<5 <1	1 /0 -

**TABLE 4.5 2004 QUARTERLY DATA** 

**SUPPLY WELL SW5** 

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	APRIL	SEPTEMBER	NOVEMBER	Average	Max	Min	LIMIT
181	рН	0-14	NA	NA	NA	NA	NA	NA	NA	
1S2	Temperature	°C	NA	NA	NA	NA	NA	NA	NA	
1S3	Dissolved Oxygen	mg/l	NA	NA	 NA	NA	NA	NA	NA	
1S4	Electrical Conductivity	μmhos/cm	NA	NA	NA	NA	NA	NA	NA	1600 <sup>1</sup>
900	Depth to Groundwater	ft	NA	NA	NA	NA	NA	NA	NA	
155	Total Dissolved Solids	mg/l	358	214	363	339	319	363.0	214	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.01	0.1	<0.1	<0.1	<0.08	0.1	<0.01	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	< 0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
204	Nitrate	mg-N/l	3.98	4.35	4.58	4.64	4.39	4.64	3.98	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	< 0.02	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	48	51.4	50.7	51.2	50	51.4	48	500 <sup>4</sup>
301	Chloride	mg/l	64.3	63.7	62.9	63.9	63.7	64.3	62.9	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	NA	<500	500	<500	500	<500	
723	Sodium	mg/l	44.8	31	41.2	28.4	36.4	44.8	28.4	

NA - Not Analyzed

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	μg/l	<60	
206	Total Cyanides	μg/l	<5	200
312	Total Phenols	μg/l	<10	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	57.7	
704	Magnesium	mg/l	11.6	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.091	1
707	Aluminum	mg/l	< 0.05	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	< 0.01	0.05
711	Cobalt	mg/l	< 0.01	
712	Copper	mg/l	< 0.008	1
713	Iron	mg/l	0.119	0.3
714	Lead	mg/l	< 0.002	<b>.</b>
716	Manganese	mg/l	< 0.005	0.05
717	Mercury	mg/l	< 0.00004	0.002
718	Nickel	mg/l	< 0.02	0.1
719	Potassium	mg/l	<10	
720	Selenium	mg/l	0.0012	0.05
722	Silver	mg/l	< 0.0002	0.1
724	Zinc	mg/l	0.423	5
725	Antimony	mg/l	< 0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	<0.04	0.002
734	Thallium	mg/l	<0.001	0.002
737	Vanadium	mg/l	<0.02	
TEST	ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	PP'-DDE	μg/l	< 0.01	<u></u>
504	PP'-DDD	μg/l	< 0.01	
506	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	μg/l	< 0.01	<u></u>
509	Lindane (Gamma-BHC)	μg/l	< 0.01	0.2
510	Heptachlor	μg/l	< 0.01	0.01
511	Heptachlor Epoxide	μg/l	< 0.01	0.01
512	Aldrin	μg/l	< 0.01	<u> </u>
513				
514	Dieldrin	μg/l	<0.01	1
-1-	Endrin	μg/l	< 0.01	2
515	Endrin Toxaphene	μg/l μg/l	<0.01 <0.5	2 3
519	Endrin Toxaphene Aroclor 1242	μg/l μg/l μg/l	<0.01 <0.5 <0.1	
519 520	Endrin Toxaphene Aroclor 1242 Aroclor 1254	μg/l μg/l μg/l μg/l	<0.01 <0.5 <0.1 <0.05	
519 520 523	Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.5 <0.1 <0.05 <0.01	
519 520 523 524	Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.5 <0.1 <0.05 <0.01 <0.01	
519 520 523 524 531	Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I	μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.5 <0.1 <0.05 <0.01 <0.01 <0.01	
519 520 523 524 531 532	Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.5 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01	
519 520 523 524 531 532 533	Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.5 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01	
519 520 523 524 531 532 533 534	Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.5 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	3
519 520 523 524 531 532 533 534 535	Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde Aroclor 1016	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.5 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.5
519 520 523 524 531 532 533 534 535 536	Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.5 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.5
519 520 523 524 531 532 533 534 535 536 537	Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.5 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.5 0.5 0.5
519 520 523 524 531 532 533 534 535 536	Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.5 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.5

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
601	(VOLATILE ORGANICS)  Methylene Chloride	цg/l	<0.5	
602	Chloroform	μg/l	<0.5	· · · · · · · · · · · · · · · · · · ·
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l	<0.5	0.5
605	1,1-Dichloroethene	μg/l	<0.5	6
606	Trichloroethylene	ug/l	<0.5	5
607	Tetrachloroethylene	μ <u>α</u> /1	<0.5	5
608	Bromodichloromethane	ug/l	<0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	<0.5	
611	Chlorobenzene	μg/l	<0.5	70
612	Vinyl Chloride	ug/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μ <u>μ</u> μ <u>μ</u> μμ <u>μ</u> μμμ	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	1
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1.1-Dichloroethane	ug/l	<0.5	5
618	1,1,2-Trichloroethane	<u>дд/1</u> цд/1	<0.5	5
619	1,2-Dichloroethane	ug/l	< 0.5	0.5
620	Benzene	μg/l	<0.5	1
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	<0.5	10
646	Bromomethane	μg/l	<0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	< 0.5	
649	Chloromethane	ug/l	<0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	ug/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	< 0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	< 0.5	
	ANNUAL MRP PARAMETERS			
TEST	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	-
847	2,4-Dichlorophenol	μg/l_	<5	1
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	ug/l	<5	1
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	ug/l	<10	
852	4-Nitrophenol	μg/l	<10	† · · · · ·
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	1

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	ug/l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/ <b>1</b>	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	< 0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	_μg/I	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/l	< 0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	< 0.00000086	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

**TABLE 4.6 2004 QUARTERLY DATA** 

#### **SUPPLY WELL SW7**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	APRIL	SEPTEMBER	Average	Max	Min	LIMIT
1S1	рН	0-14	NA	NA	NA	NA	NA	NA	
1 S2	Temperature	°C	NA	NA	NA	NA	NA	NA	
183	Dissolved Oxygen	mg/l	NA	NA	NA	NA	NA	NA	
1 S4	Electrical Conductivity	mmhos/cm	NA	NA	NA	NA	NA	NA	1600 <sup>1</sup>
900	Depth to Groundwater	ft	NA	NA	NA	NA	NA	NA	
155	Total Dissolved Solids	mg/l	238	236	271	248	271	236	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	< 0.2	<0.2	<0.2	<0.2	<0.2	
204	Nitrate	mg-N/l	3.34	3.01	3.68	3.34	3.68	3.01	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	< 0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	30.5	43.1	31.4	35.0	43.1	30.5	500 <sup>4</sup>
301	Chloride	mg/l	23.4	21.3	26.1	23.6	26.1	21.3	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	mg/l	<500	550	<500	517	550	<500	
723	Sodium	mg/l	21.8	15.3	23.1	20.1	23.1	15.3	

NA - Not Analyzed

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (MISCELLANEOUS)	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	μg/l	<60	<u> </u>
206	Total Cyanides	ug/l	<5	200
312	Total Phenols	μg/1	<12	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	42.4	
704	Magnesium	mg/l	9.3	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	_mg/l	0.066	1
707	Aluminum	mg/l	< 0.05	1
708	Cadmium	mg/l	<0.0004	0.005
709	Total Chromium	mg/l	<0.01	0.05
711 712	Cobalt	mg/l	<0.01 <0.008	1
713	Copper	mg/l		0.3
713	Iron Lead	mg/l mg/l	0.669 <0.002	0.3
716	Manganese	mg/l	0.002	0.05
717	Mercury	mg/l	<0.003	0.002
718	Nickel	mg/l	<0.001	0.002
719	Potassium	mg/l	<10	<del></del>
720	Selenium	mg/l	< 0.001	0.05
722	Silver	mg/l	< 0.0002	0.1
724	Zinc	mg/l	< 0.01	5
725	Antimony	mg/l	< 0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	< 0.04	
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	< 0.02	
TEST	ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	PP'-DDE	μg/l	< 0.01	<del></del>
504	PP'-DDD	μg/l	< 0.01	1
506	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	μg/l	< 0.01	
509	Lindane (Gamma-BHC)	μg/l	< 0.01	0.2
510	Heptachlor	μg/l	< 0.01	0.01
511	Heptachlor Epoxide	μg/l	< 0.01	0.01
512	Aldrin	μg/l	< 0.01	
513	Dieldrin	μ <u>g/l</u>	<0.01	<del> </del>
514	Endrin	<u>μg/l</u>	<0.01	2
515	Toxaphene	μg/l	<0.5	3
519 520	Aroclor 1242	μg/l	<0.1 <0.05	
523	Aroclor 1254 Beta-BHC	μg/l	<0.05 <0.01	
524	Delta-BHC	μ <u>g/l</u> μ <u>g</u> /l	<0.01	
531	Endosulfan I	μ <u>g</u> /l	<0.01	+
532	Endosulfan II	μg/l μg/l	<0.01	†
533	Endosulfan Sulfate	μ <u>g</u> /l	<0.01	1
534	Endrin Aldehyde	μg/l	< 0.01	
535	Aroclor 1016	μg/l	<0.1	0.5
536	Aroclor 1221	μg/l	<0.1	0.5
537	Aroclor 1232	μg/l	<0.1	0.5
538	Aroclor 1248	μg/l	<0.1	0.5
539	Aroclor 1260	μg/l	<0.1 <0.05	0.5
540	Technical Chlordane	μg/l		

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (VOLATILE ORGANICS)	UNIT	MARCH	LIMIT
601	Methylene Chloride	цд/І	<0.5	
602	Chloroform	mg/l	<0.5	
603	1,1,1-Trichloroethane	μg/l	< 0.5	200
604	Carbon Tetrachloride	μg/l	< 0.5	0.5
605	1.1-Dichloroethene	μg/l	<0.5	6
606	Trichloroethylene	μg/l	< 0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	μg/l	<0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	<0.5	
611	Chlorobenzene	μg/l	<0.5	70
612	Vinyl Chloride	μg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	1 222
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μ <u>μ</u> /μ	<0.5	5
618	1,1,2-Trichloroethane	μg/l	<0.5	5
619	1,2-Dichloroethane	μg/l	<0.5	0.5
620	Benzene	μg/l	<0.5	1
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	<0.5	10
646	Bromomethane	ug/l	<0.5	10
647	Chloroethane	μg/l	<0.5	<del>                                     </del>
648	2-Chloroethylvinylether	μg/l	<0.5	
649	Chloromethane	μg/l	< 0.5	1
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	< 0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	ug/l	< 0.5	
TEST	ANNUAL MRP PARAMETERS (ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	μg/l	<10	1
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(BASE/NEUTRAL EXTRACTIBLES)	UNII	MARCH	
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/i	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	< 0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1.4-Dichlorobenzene	ug/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2.4-Dinitrotoluene	ug/l	<5	· www.
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<10	1
833	Hexachlorobutadiene	μg/l	<1	<u> </u>
834	Hexachlorocyclopentadiene	μ <u>g/l</u>	<5	50
835	Hexachloroethane	μ <u>g/l</u>	<1	30
836	Indeno(1,2,3-c,d)pyrene	μg/l	<0.02	
837	Isophorone		<1	
838	Naphthalene	μg/l μg/l	<1	
839	Nitrobenzene		<1	
840		μg/l	<5	
841	n-Nitrosodimethylamine	μg/l		
	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	0.00002
844	2,3,7,8-TCDD	μg/l	<0.0000099	0.00003
846 857	1,2,4-Trichlorobenzene n-Nitrosodiphenylamine	μg/l μg/l	<5 <1	70

**TABLE 4.9** 

### **SUPPLY WELL SW8**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	APRIL	AUGUST	NOVEMBER	Average	Max	Min	LIMIT
1S1	pН	0-14	NA	NA	NA	NA	NA	NA	NA	
1S2	Temperature	°C	NA	NA	NA	NA	NA	NA	NA	
1S3	Dissolved Oxygen	mg/l	NA	NA	NA	NA	NA	NA	NA	
1S4	Electrical Conductivity	μmhos/cm	NA	NA	NA	NA	NA	NA	NA	1600 <sup>1</sup>
900	Depth to Groundwater	ft	NA	NA	NA	NA	NA	NA	NA	
155	Total Dissolved Solids	mg/l	224	238	320	202	246	320	202	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	< 0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
204	Nitrate	mg-N/l	2.41	2.73	2.45	1.51	2.28	2.73	1.51	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	< 0.02	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	30.2	32.3	28.6	24.8	29.0	32.3	24.8	500 <sup>4</sup>
301	Chloride	mg/l	18.5	20.2	19.2	14	18	20.2	14	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	<500	<500	<500	<500	<500	<500	
723	Sodium	mg/l	23.5	17.6	22.2	21.4	21.2	23.5	17.6	

NA - Not Analyzed

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term
<sup>2</sup> 500 recommended / 1000 upper / 1500 short term
<sup>3</sup> Nitrate+Nitrite = 10
<sup>4</sup> 250 recommended / 500 upper / 600 short term

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	μg/l	<60	
206	Total Cyanides	μg/l	<5	200
312	Total Phenols	μg/l	<12	ļ
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	38.8	
704	Magnesium	mg/l	7.6	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.056	1
707	Aluminum	mg/l	< 0.05	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	< 0.01	0.05
711	Cobalt	mg/l	< 0.01	
712	Copper	mg/l	< 0.008	1
713	Iron	mg/l	< 0.05	0.3
714	Lead	mg/l	< 0.002	
716	Manganese	mg/l	< 0.005	0.05
717	Mercury	mg/l	<0.0001	0.002
718	Nickel	mg/l	<0.02	0.1
719	Potassium	mg/l	<10	0.05
720	Selenium	mg/l	<0.001	0.05
722	Silver	mg/l	<0.0002	0.1
724	Zinc	mg/l	0.012	5
725	Antimony	mg/l	<0.0005	0.006 0.004
726 732	Beryllium	mg/l	<0.0005	0.004
734	Molybdenum	mg/l	<0.04 <0.001	0.002
737	Thallium	mg/l	<0.001	0.002
131	Vanadium	mg/l	<u> </u>	<del> </del>
TEST	ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	PP'-DDE	μg/l	<0.01	
504	PP'-DDD	μg/l	< 0.01	
506	We will be the time	1		
	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	μg/l μg/l	<0.01 <0.01	
508 509	Alpha-BHC Lindane (Gamma-BHC)	μg/l μg/l μg/l	<0.01 <0.01 <0.01	0.2
508 509 510	Alpha-BHC Lindane (Gamma-BHC) Heptachlor	μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01	
508 509 510 511 512	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511 512 513	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511 512 513 514	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin	με/l με/l με/l με/l με/l με/l με/l με/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01
508 509 510 511 512 513 514 515	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene	は	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05	0.01
508 509 510 511 512 513 514 515 519	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1	0.01 0.01
508 509 510 511 512 513 514 515 519 520	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254	中央/1 中文/1 中 中/1	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.5 <0.1	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC	は	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.5 <0.1 <0.05	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC	ид/I	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.05	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524 531	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I	пд/I пд/I пд/I пд/I пд/I пд/I пд/I пд/I	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.05	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II	пд/I пд/I пд/I пд/I пд/I пд/I пд/I пд/I	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate	пд/I пд/I пд/I пд/I пд/I пд/I пд/I пд/I	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde	пд/I пд/I пд/I пд/I пд/I пд/I пд/I пд/I	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016	пд/I	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <	0.01 0.01 2 3
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	пд/I	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <	0.01 0.01 2 3
508 509 510 511 512 513 514 515 519 520 523 524 531 532 534 535 536 537	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232	пд/I	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01 2 3 3 0.5 0.5 0.5
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	пд/I	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <	0.01 0.01 2 3

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (VOLATILE ORGANICS)	UNIT	MARCH	LIMIT
601	Methylene Chloride	μg/l	< 0.5	
602	Chloroform	μg/l	< 0.5	
603	1,1,1-Trichloroethane	μg/l	< 0.5	200
604	Carbon Tetrachloride	μg/l	< 0.5	0.5
605	1,1-Dichloroethene	μg/l	< 0.5	6
606	Trichloroethylene	μg/l	< 0.5	5
607	Tetrachloroethylene	μg/l	< 0.5	5
608	Bromodichloromethane	μg/l	< 0.5	
609	Dibromochloromethane	μg/l	< 0.5	
610	Bromoform	μg/l	<0.5	1
611	Chlorobenzene	μg/l	< 0.5	70
612	Vinyl Chloride	μg/l	< 0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	< 0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	< 0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	< 0.5	5
616	1,1-Dichloroethane	μg/l	< 0.5	5
618	1,1,2-Trichloroethane	μg/l	< 0.5	5
619	1,2-Dichloroethane	μg/l	< 0.5	0.5
620	Benzene	μg/l	< 0.5	1
621	Toluene	μg/l	< 0.5	150
624	Ethyl Benzene	μg/l	< 0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	< 0.5	
649	Chloromethane	μg/l	< 0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	< 0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	<0.5	
TEST	ANNUAL MRP PARAMETERS (ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol		<5	
845	2,4-Dichlorophenol	μg/l	<5 <5	<del> </del>
		μg/l		+
848 849	2,4-Dimethylphenol	μg/l	<2 <5	1
849 850	2,4-Dinitrophenol	μg/l	<5 <5	<del>                                     </del>
	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l		
851	2-Nitrophenol	μg/l	<10	<del></del>
852	4-Nitrophenol	μg/l	<10	<del></del>
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μ <u>g/l</u>	<1	1
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	<u></u>

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
900	(BASE/NEUTRAL EXTRACTIBLES)	/1	<1	
800	Acenaphthene	μg/l	<10	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10 <5	
803	Benzidine	μg/l	<5 <5	
804	Benzoanthracene	μg/l		0.2
805	Benzopyrene	μg/l	<0.02	0.2
806	Benzo(b)fluoranthene	μg/l	<0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μ <u>g/l</u>	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10_	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	_μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	L
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/l	< 0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	T .
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	< 0.0000011	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	ug/l	<1	· · · · ·

**TABLE 4.11** 

### **SUPPLY WELL SW9**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	APRIL	Average	Max	Min	LIMIT
1S1	рН	0-14	NA	NA	NA	NA	NA	
1S2	Temperature	°C	NA	NA	NA	NA	NA	
1S3	Dissolved Oxygen	mg/l	NA	NA	. NA	NA	NA	
1S4	Electrical Conductivity	μmhos/cm	NA	NA	NA	NA	NA	1600 <sup>1</sup>
900	Depth to Groundwater	ft	NA	NA	NA	NA	NA	
155	Total Dissolved Solids	mg/l	229	375	302	375	229	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.01	< 0.1	<0.06	< 0.1	<0.01	
203	Kjeldahl Nitrogen	mg-N/l	0.4	< 0.2	<0.3	0.4	< 0.2	
204	Nitrate	mg-N/l	2.58	2.86	2.72	2.86	2.58	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	< 0.02	< 0.02	< 0.02	< 0.02	10 <sup>3</sup>
257	Sulfate	mg/l	21	25.3	23	25.3	21	500 <sup>4</sup>
301	Chloride	mg/l	17.8	17.3	17.6	17.8	17.3	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	520	<510	520	<500	
723	Sodium	mg/l	26.2	12.9	19.6	26.2	12.9	

NA - Not Analyzed

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10

<sup>&</sup>lt;sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (MISCELLANEOUS)	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	μg/l	<60	
206	Total Cyanides	μg/l	<5	200
312	Total Phenols	μg/l	<10	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	41.3	
704	Magnesium	mg/l	8.5	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.053	11
707	Aluminum	mg/l	< 0.05	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	< 0.01	0.05
711	Cobalt	mg/l	< 0.01	
712	Copper	mg/l	< 0.008	1
713	Iron	mg/l	< 0.05	0.3
714	Lead	mg/l	< 0.002	<del> </del>
716	Manganese	mg/l	< 0.005	0.05
717	Mercury	mg/l	<0.00004	0.002
718	Nickel	mg/l	< 0.02	0.1
719	Potassium	mg/l	<10	
720	Selenium	mg/l	< 0.001	0.05
722	Silver	mg/l	< 0.0002	0.1
724	Zinc	mg/l	0.015	5
725	Antimony	mg/l	0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	< 0.04	
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	< 0.02	
TEST	ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	PP'-DDE	μg/l	< 0.01	
504	PP'-DDD	μg/l	< 0.01	T
506	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	μg/l	< 0.01	
509	Lindane (Gamma-BHC)	μg/l	< 0.01	0.2
510	Heptachlor	μg/l	< 0.01	0.01
511	Heptachlor Epoxide	μg/l	< 0.01	0.01
512	Aldrin	μg/l	< 0.01	
513	Dieldrin	μg/l	< 0.01	
514	Endrin	μg/l	< 0.01	2
515	Toxaphene	μg/l	< 0.5	3
519	Aroclor 1242	μg/l	< 0.1	
520	Aroclor 1254	μg/l	< 0.05	
523	Beta-BHC	μg/l	< 0.01	<b></b>
524	Delta-BHC	μg/l	<0.01	
531	Endosulfan I	μg/l	< 0.01	<b>_</b>
532	Endosulfan II	μg/l	<0.01	
533	Endosulfan Sulfate	μg/l	<0.01	
534	Endrin Aldehyde	μg/l	<0.01	1
535	Aroclor 1016	μ <u>g/l</u>	<0.1	0.5
536	Aroclor 1221	μg/l	<0.1	0.5
537	Aroclor 1232	μg/l	<0.1	0.5
538	Aroclor 1248	μg/l	<0.1	0.5
539 540	Aroclor 1260	μ <u>g/l</u>	<0.1	0.5
	Technical Chlordane	μg/l	< 0.05	0.1

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
IESI	(VOLATILE ORGANICS)	UNII	MARCH	LIMIT
601	Methylene Chloride	μg/l	<0.5	
602	Chloroform	μg/l	< 0.5	
603	1,1,1-Trichloroethane	μg/l	< 0.5	200
604	Carbon Tetrachloride	μg/l	< 0.5	0.5
605	1,1-Dichloroethene	μg/l	<0.5	6
606	Trichloroethylene	μg/l	< 0.5	5
607	Tetrachloroethylene	μg/l	< 0.5	5
608	Bromodichloromethane	μg/l	< 0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	<0.5	
611	Chlorobenzene	μg/l	<0.5	70
612	Vinyl Chloride	μg/l	< 0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	< 0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	< 0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μg/l	< 0.5	5
619	1,2-Dichloroethane	μg/l	< 0.5	0.5
620	Benzene	μg/l	<0.5	1
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	< 0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	< 0.5	
649	Chloromethane	μg/l	< 0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	< 0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	L
662	Methyl Tertiary Butyl Ether	μg/l	< 0.5	
TEST	ANNUAL MRP PARAMETERS	LINUTE	MARCH	LIMIT
IESI	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	ug/l	<5	
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	ug/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	ug/l	<10	
852	4-Nitrophenol	μg/l	<10	<u> </u>
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	ug/l	<1	
854	Pentachlorophenol	ug/l	<5	1
855	Phenol	ug/l	<1	
856	2,4,6-Trichlorophenol	ug/l	<10	

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(BASE/NEUTRAL EXTRACTIBLES)	CIVII		21
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	1
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	< 0.02	l
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/l	< 0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	ug/l	<5	T
841	n-Nitrosodi-n-propylamine	ug/l	<5	1
842	Phenanthrene	ug/l	<5	1
843	Pyrene	ug/l	<10	
844	2,3,7,8-TCDD	μg/l	<0.89	0.00003
846	1,2,4-Trichlorobenzene	ug/l	<5	70
857	n-Nitrosodiphenylamine	ug/l	<1	† · · · · · · · · · · · · · · · · · · ·

**TABLE 4.13** 

### **SUPPLY WELL SW10**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	APRIL	AUGUST	SEPTEMBER	Average	Max	Min	LIMIT
1S1	рН	0-14	NA	NA	NA	NA	NA	NA	NA	
1S2	Temperature	°C	NA	NA	NA	NA	NA	NA	NA	
1S3	Dissolved Oxygen	mg/l	NA	NA	NA	NA	NA	NA	NA	
1S4	Electrical Conductivity	μmhos/cm	NA	NA	NA	NA	NA	NA	NA	1600 <sup>1</sup>
900	Depth to Groundwater	ft	NA	NA	NA	NA	NA	NA	NA	
155	Total Dissolved Solids	mg/l	716	696	NA	714	709	716	696	1000 <sup>2</sup>
201	Ammonia	mg-N/l	< 0.01	< 0.1	NA	<0.1	<0.06	< 0.1	<0.01	
203	Kjeldahl Nitrogen	mg-N/l	0.6	< 0.2	NA	<0.2	<0.3	0.6	< 0.2	
204	Nitrate	mg-N/l	13.3	13.1	NA	12.9	13.1	13.3	12.9	10 3
205	Nitrite	mg-N/l	<0.02	< 0.02	NA	<0.02	<0.02	< 0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	114	92.7	NA	90.2	99.0	114	90.2	500 <sup>4</sup>
301	Chloride	mg/l	119	113.9	NA	105	113	119	105	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	750	NA	920	920	863	920	750	
723	Sodium	mg/l	45.9	36.0	NA	42	41	45.9	36.0	

NA - Not Analyzed

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (MISCELLANEOUS)	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	μg/l	<60	
206	Total Cyanides	μg/l	<5	200
312	Total Phenols	μg/l	<10	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	145	
704	Magnesium	mg/l	32.6	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.211	1
707	Aluminum	mg/l	0.11	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	< 0.01	0.05
711	Cobalt	mg/l	<0.01	
712	Copper	mg/l	0.015	1
713	Iron	mg/l	0.316	0.3
714	Lead	mg/l	0.003	0.05
716 717	Manganese	mg/l	<0.005 <0.00004	0.05
717	Mercury Nickel	mg/l mg/l	<0.004	0.002
719	Potassium	mg/l	<10	0.1
720	Selenium	mg/l	<0.001	0.05
722	Silver	mg/l	<0.001	0.03
724	Zinc	mg/l	0.061	5
725	Antimony	mg/l	< 0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	< 0.04	
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	< 0.02	
TEST	ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	PP'-DDE	μg/l	< 0.01	
504	PP'-DDD	μ <u>g</u> /l	<0.01	
506	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	μg/l	<0.01	1
509	Lindane (Gamma-BHC)	μg/l	< 0.01	0,2
510	Heptachlor	μg/l	< 0.01	0.01
511	Heptachlor Epoxide	μg/l	< 0.01	0.01
512	Aldrin	μg/l	< 0.01	
513	Dieldrin	μg/l	< 0.01	
514	Endrin	μg/l	< 0.01	2
515	Toxaphene	μg/l	< 0.5	3
		μg/l	<0.1	
519	Aroclor 1242	μg/1		
519 520	Aroclor 1242 Aroclor 1254	μg/l	< 0.05	
520 523	Aroclor 1254 Beta-BHC	μg/l μg/l	<0.05 <0.01	
520 523 524	Aroclor 1254 Beta-BHC Delta-BHC	μg/l μg/l μg/l	<0.05 <0.01 <0.01	
520 523 524 531	Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I	μg/l μg/l μg/l μg/l	<0.05 <0.01 <0.01 <0.01	
520 523 524 531 532	Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II	μg/l μg/l μg/l μg/l μg/l	<0.05 <0.01 <0.01 <0.01 <0.01	
520 523 524 531 532 533	Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate	μ <u>g/</u> l μ <u>g/</u> l μ <u>g/</u> l μ <u>g/</u> l μ <u>g/</u> l μ <u>g/</u> l	<0.05 <0.01 <0.01 <0.01 <0.01 <0.01	
520 523 524 531 532 533 534	Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde	μg/l μg/l μg/l μg/l μg/l μg/l	<0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.5
520 523 524 531 532 533 534 535	Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde Aroclor 1016	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.5
520 523 524 531 532 533 534 535 536	Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.1	0.5
520 523 524 531 532 533 534 535 536 537	Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.1 <0.	0.5 0.5
520 523 524 531 532 533 534 535 536	Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.1	0.5

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (VOLATILE ORGANICS)	UNIT	MARCH	LIMIT
601	Methylene Chloride	μg/l	<0.5	
602	Chloroform	μg/l	<0.5	
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l	< 0.5	0.5
605	1,1-Dichloroethene	μg/l	< 0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μg/l	< 0.5	5_
608	Bromodichloromethane	μg/l	< 0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	<0.5	
611	Chlorobenzene	μg/1	< 0.5	70
612	Vinyl Chloride	μg/l	< 0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	< 0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	< 0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	< 0.5	5
616	1,1-Dichloroethane	με/1	< 0.5	5
618	1.1.2-Trichloroethane	μg/l	< 0.5	5
619	1,2-Dichloroethane	μg/l	< 0.5	0.5
620	Benzene	μg/l	< 0.5	1
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	<0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	< 0.5	
649	Chloromethane	μg/l	< 0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	< 0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	<u> </u>
662	Methyl Tertiary Butyl Ether	μg/I	< 0.5	
	ANNUAL MRP PARAMETERS			
TEST	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	μg/l	<10	
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	ug/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	ug/l	<5	
804	Benzoanthracene	μg/l	<5	***
805	Benzopyrene	μg/l	<0.02	0.2
806	Benzo(b)fluoranthene	μg/l	<0.02	· · · · ·
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	<0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	ug/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l μg/l	<10	
815	2-Chloronaphthalene	μ <u>g/1</u> μ <u>g/l</u>	<10	***************************************
816	4-Chlorophenyl Phenyl Ether	μ <u>μ</u> /μ	<5	
817	Chrysene	μg/l μg/l	<0.02	
818	1,2,5,6-Dibenzanthracene	ug/l	<0.02	
819	1,2-Dichlorobenzene		<2	
820	1,3-Dichlorobenzene	μg/l μg/l	<1	
821			<1	
822	1,4-Dichlorobenzene 3,3'-Dichlorobenzidine	μg/l	<5	-
823	Diethyl Phthalate	μg/l μg/l	<2	
824	Directly Phthalate	μ <u>g</u> /1 μg/l	<2	
825	Di-n-Butyl Phthalate	μg/I μg/l	<10	
826	2.4-Dinitrotoluene	μ <u>g/1</u> μg/l	<5	
827	2.6-Dinitrotoluene		<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829		μg/l μg/l	<10	
830	1,2-Diphenylhydrazine		<1	
831	Fluoranthene Fluorene	μg/l	<10	
831		μg/l	<10	1
	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l		50
834	Hexachlorocyclopentadiene	μg/l	<5 <1	30
835 836	Hexachloroethane	μg/l	<0.02	
	Indeno(1,2,3-c,d)pyrene	μ <u>g/l</u>		
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1 <1	
839	Nitrobenzene	μg/l	<5	
840	n-Nitrosodimethylamine	μg/l		
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	0.00003
844	2,3,7,8-TCDD	μg/l	<0.00000079	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
<u>857</u>	n-Nitrosodiphenylamine	μg/l	<1	L

**TABLE 4.15** 

# **SUPPLY WELL SW13**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	APRIL	Average	Max	Min	LIMIT
1S1	рН	0-14	NA	NA	NA	NA	NA	
1S2	Temperature	°C	NA	NA	NA	NA	NA	_
183	Dissolved Oxygen	mg/l	NA	NA	NA	NA	NA	
184	Electrical Conductivity	μmhos/cm	NA	NA	NA	NA	NA	1600 <sup>1</sup>
900	Depth to Groundwater	ft	NA	NA	NA	NA	NA	
155	Total Dissolved Solids	mg/l	188	228	208	228	188	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.01	< 0.1	< 0.1	< 0.1	< 0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	< 0.2	< 0.2	< 0.2	< 0.2	
204	Nitrate	mg-N/l	2.4	2.93	2.7	2.93	2.4	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	< 0.02	< 0.02	< 0.02	< 0.02	10 <sup>3</sup>
257	Sulfate	mg/l	22	49.5	36	49.5	22	500 <sup>4</sup>
301	Chloride	mg/l	15.6	41.7	28.7	41.7	15.6	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	<500	<500	<500	<500	
723	Sodium	mg/l	24	11.2	18	24	11.2	

NA - Not Analyzed

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10

<sup>&</sup>lt;sup>4</sup> 250 recommended / 500 upper / 600 short term

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(MISCELLANEOUS)	UNII	MARCH	Liviti
C15	Total Petroleum Hydrocarbons	μg/l	<60	
206	Total Cyanides	μg/l	<5	200
312	Total Phenols	μg/l	<13	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	36.3	
704	Magnesium	mg/l	7.2	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.051	<u> </u>
707	Aluminum	mg/l	<0.05	0.005
708 709	Cadmium	mg/l	<0.0004	0.005
709	Total Chromium Cobalt	mg/l	<0.01 <0.01	0.03
711	Copper	mg/l mg/l	0.012	1
713	Iron	mg/l	0.012	0.3
714	Lead	mg/l	0.003	0.5
716	Manganese	mg/l	< 0.005	0.05
717	Mercury	mg/l	< 0.00004	0.002
718	Nickel	mg/l	< 0.02	0.1
719	Potassium	mg/l	<10	
720	Selenium	mg/l	< 0.001	0.05
722	Silver	mg/l	< 0.0002	0.1
724	Zinc	mg/l	0.02	5
725	Antimony	mg/l	< 0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	< 0.04	
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	< 0.02	
TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(PESTICIDES & PCBs)			
502	PP'-DDE	μg/l	< 0.01	
504	PP'-DDD	μg/l	<0.01	<del> </del>
506	PP'-DDT	μg/l	<0.01	<del></del>
508 509	Alpha-BHC	μg/l	<0.01	0.2
510	Lindane (Gamma-BHC) Heptachlor	μg/l	<0.01 <0.01	0.2
511	Heptachlor Epoxide	μg/l μg/l	<0.01	0.01
512	Aldrin	μg/l	<0.01	0.01
513	Dieldrin	μg/l	<0.01	1
514	Endrin	μg/l	<0.01	2
515	Toxaphene	μg/l	<0.5	3
519	Aroclor 1242	μg/l	<0.1	<del>                                     </del>
520	Aroclor 1254	μg/l	< 0.05	
523	Beta-BHC	μg/l	< 0.01	
524	Delta-BHC	μg/l	< 0.01	
531	Endosulfan I	μg/l	< 0.01	
500	Endosulfan II	1/1	< 0.01	
532		μg/l		
533	Endosulfan Sulfate	μg/l	< 0.01	
533 534	Endosulfan Sulfate Endrin Aldehyde	μg/l μg/l	<0.01 <0.01	
533 534 535	Endosulfan Sulfate Endrin Aldehyde Aroclor 1016	μg/l μg/l μg/l	<0.01 <0.01 <0.1	0.5
533 534 535 536	Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	µg/l µg/l µg/l µg/l	<0.01 <0.01 <0.1 <0.1	0.5
533 534 535 536 537	Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.1 <0.1 <0.1	0.5 0.5
533 534 535 536 537 538	Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1248	цg/l µg/l µg/l µg/l µg/l µg/l	<0.01 <0.01 <0.1 <0.1 <0.1 <0.1 <0.1	0.5 0.5 0.5
533 534 535 536 537	Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.1 <0.1 <0.1	0.5 0.5

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
601	(VOLATILE ORGANICS)  Methylene Chloride	/1	<0.5	
602	Chloroform	μg/l	<0.5	
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l μg/l	<0.5	0.5
605	1,1-Dichloroethene	μg/l μg/l	<0.5	6
606	Trichloroethylene	μg/l μg/l	<0.5	5
607	Tetrachloroethylene	μg/l μg/l	<0.5	5
608	Bromodichloromethane	ug/l	<0.5	<del> </del>
609	Dibromochloromethane	μg/l μg/l	<0.5	<del> </del>
610	Bromoform	μg/l μg/l	<0.5	<del> </del>
611	Chlorobenzene	μg/I μg/I	<0.5	70
612	Vinyl Chloride	μg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/I μg/I	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l μg/l	<0.5	1 000
615	p-Dichlorobenzene (1,3-Dichlorobenzene)	μg/I μg/l	<0.5	5
616	1.1-Dichloroethane		<0.5	5
618		μg/l	<0.5	5
619	1,1,2-Trichloroethane	μg/l	<0.5	0.5
620	1,2-Dichloroethane	μg/l	<0.5	1
621	Benzene Toluene	ug/l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l μg/l	<0.5	10
646	Bromomethane		<0.5	10
647	Chloroethane	μg/l	<0.5	·
648	2-Chloroethylvinylether	μg/l	<0.5	
649	Chloromethane	μg/l μg/l	<0.5	
650	1,2-Dichloropropane	μ <u>g</u> /1 μg/l	<0.5	5
651	Cis-1,3-Dichloropropene	μg/l μg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene		<0.5	0.5
653	1.1.2.2-Tetrachloroethane	μg/l	<0.5	1 1
654		μg/l	<2	1
655	Acrolein	μg/l	<2	4
	Acrylonitrile	μg/l		<del> </del>
662	Methyl Tertiary Butyl Ether	μg/l	<0.5	
TEST	ANNUAL MRP PARAMETERS (ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	μg/l	<10	
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	

## 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	ug/l	<10	
803	Benzidine	μ <u>g/l</u>	<5	
804	Benzoanthracene	μg/l μg/l	<5	
805	Benzopyrene	μ <u>g/I</u> μg/I	<0.02	0.2
806	Benzo(b)fluoranthene	μ <u>g/l</u>	<0.02	0.2
807	1.12-Benzopervlene	μ <u>g/l</u>	<5	
808	Benzo(k)fluoranthene	μg/l	<0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	······································
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μ <u>g/1</u> μ <u>g/l</u>	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	<del></del>
814	Butylbenzyl Phthalate	μ <u>g</u> /1	<10	
815	2-Chloronaphthalene	μ <u>g</u> /l	<10	
816	4-Chlorophenyl Phenyl Ether	μ <u>g</u> /l	<5	
817	Chrysene	μg/1	<0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	
819	1,2-Dichlorobenzene	μg/l	· <del>• · · · · · · · · · · · · · · · · · · </del>	
820		ug/l	<2 <1	
821	1,3-Dichlorobenzene	μg/l		
821	1,4-Dichlorobenzene	μ <u>g/l</u>	<1	
	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l_	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/l	<0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	ļ
839	Nitrobenzene	μg/l	<1	L
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	< 0.00000071	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

#### **2004 QUARTERLY DATA**

### **SUPPLY WELL SWH2**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	SEPTEMBER	OCTOBER	DECEMBER	Mean	Max	Min	LIMIT
151	рН	0-14	NA	NA	NA	NA	NA	NA	NA NA	NA	
152	Temperature	°C	NA	NA	NA	NA	NA	NA	NA	NA	
183	Dissolved Oxygen	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	
184	Electrical Conductivity	μmhos/cm	NA	NA	NA	NA	NA	NA	NA	NA	1600 1
900	Depth to Groundwater	ft	NA	NA	NA	NA	NA	NA	NA	NA	
155	Total Dissolved Solids	mg/l	121	154	154	NA	123	138	154	121	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	0.34	<0.2	NA	<0.2	<0.2	0.34	<0.2	
204	Nitrate	mg-N/l	0.87	0.64	0.58	NA	0.62	0.68	0.87	0.58	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	NA	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	16.1	16.1	16.4	15.9	16.8	16.3	16.8	15.9	500 <sup>4</sup>
301	Chloride	mg/l	8.8	8.3	7.7	7.6	7.9	8.1	8.8	7.6	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	<500	<500	NA	<500	<500	<500	<500	
	Sodium (2200 l	mg/l	29.9	33.2	24.9	NA	37.7	31.4	37.7	24.9	

NA - Not Analyzed

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term

# 2004 ANNUAL DATA

	ANNUAL MRP PARAMETERS			1
TEST	(MISCELLANEOUS)	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	μg/l	<60	
206	Total Cyanides	μg/l	<5	200
312	Total Phenols	μg/l	<11	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	22.6	
704	Magnesium	mg/l	1.3	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.023	1
707 708	Aluminum	mg/l	0.06	1 0 005
708	Cadmium Total Chromium	mg/l	<0.0004	0.005
709	Cobalt	mg/l	<0.01	0.05
712	Copper	mg/l	<0.01	1
713	Iron	mg/l	<0.008	0.3
714	Lead	mg/l mg/l	0.05 <0.002	0.3
716	Manganese	mg/l	<0.002	0.05
717	Mercury	mg/l	<0.0004	0.002
718	Nickel	mg/l	<0.02	0.002
719	Potassium	mg/l	<10	0.1
720	Selenium	mg/l	< 0.001	0.05
722	Silver	mg/l	< 0.0002	0.1
724	Zinc	mg/l	0.012	5
725	Antimony	mg/l	< 0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	< 0.04	
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	< 0.02	
TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(PESTICIDES & PCBs)	ONI	WIAKCII	Liviii
502	PP'-DDE	μg/l	< 0.01	
504	PP'-DDD	μg/l	< 0.01	
506	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	μg/l	< 0.01	
509	Lindane (Gamma-BHC)	μg/l	< 0.01	0.2
510 511	Heptachlor	μg/l	<0.01	0.01
512	Heptachlor Epoxide	μg/l	<0.01	0.01
513	Aldrin Dieldrin	μg/l	<0.01	<del> </del>
514	Endrin	μg/l	<0.01	<del> </del>
515	Toxaphene	μ <u>g/l</u>	<0.01 <0.5	2 3
519	Aroclor 1242	μg/l μg/l	<0.1	3
520	Aroclor 1254	<u>μg/1</u> μg/l	<0.05	<u> </u>
523	Beta-BHC	μ <u>g</u> /l	<0.03	
524	Delta-BHC	μ <u>g</u> /1 μ <u>g</u> /l	<0.01	
531	Endosulfan I	μg/l	<0.01	
	Endosulfan II	μg/l	< 0.01	
532				· · · · · · · · · · · · · · · · · · ·
533	Endosulfan Sulfate	ug/l l	< 0.01	
533 534	Endrin Aldehyde	μg/l μg/l	<0.01	
533 534 535	Endrin Aldehyde Aroclor 1016	μ <u>ε</u> /l μ <u>ε</u> /l μ <u>ε</u> /l		0.5
533 534 535 536	Endrin Aldehyde Aroclor 1016 Aroclor 1221	μg/l	<0.01	0.5 0.5
533 534 535 536 537	Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232	μg/l μg/l μg/l μg/l	<0.01 <0.1 <0.1 <0.1	0.5 0.5
533 534 535 536 537 538	Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1248	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.1 <0.1 <0.1 <0.1	0.5 0.5 0.5
533 534 535 536 537	Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232	μg/l μg/l μg/l μg/l	<0.01 <0.1 <0.1 <0.1	0.5 0.5

# 2004 ANNUAL DATA

	ANNUAL MRP PARAMETERS			
TEST	(VOLATILE ORGANICS)	UNIT	MARCH	LIMIT
601	Methylene Chloride	μg/l	<0.5	
602	Chloroform	μg/l	<0.5	
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μ <u>α/1</u>	<0.5	0.5
605	1,1-Dichloroethene	μg/l	<0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	μg/l	<0.5	<del>                                     </del>
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	<0.5	<del> </del>
611	Chlorobenzene	μg/l	<0.5	70
612	Vinyl Chloride	μg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	<u>με/1</u> με/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	<del>                                     </del>
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μ <u>μ</u> μ <u>μ</u> μ <u>μ</u> μ <u>μ</u> μ <u>μ</u>	<0.5	5
618	1,1,2-Trichloroethane	μg/l	<0.5	5
619	1,2-Dichloroethane	ug/l	<0.5	0.5
620	Benzene	μg/l	<0.5	1 1
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	<0.5	10
646	Bromomethane	μg/l	<0.5	<del> </del>
647	Chloroethane	μg/l	<0.5	
648	2-Chloroethylvinylether	μg/l	<0.5	
649	Chloromethane	μg/l	<0.5	
650	1,2-Dichloropropane	μg/l	<0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
TEST	ANNUAL MRP PARAMETERS	T I D I I I I	MANDOW	
ILSI	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	ug/l	<5	<u> </u>
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	μg/l	<u>-</u> <5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	µg/l	<10	† <del></del>
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	
662	Methyl Tertiary Butyl Ether	μg/l	< 0.5	

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
000	(BASE/NEUTRAL EXTRACTIBLES)	/1	-1	
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	<u>μg/l</u>	<5	0.2
805	Benzopyrene	μg/l	<0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	<0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	ļ
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	ļ
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	ļ
817	Chrysene	μg/l	<0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/l	< 0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	< 0.0000047	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

**TABLE 4.19** 

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	JULY	SEPTEMBER	NOVEMBER	Average	Max	Min	LIMIT
1S1	рН	0-14	8.56	7.99	NA	8.93	7.96	8.36	8.93	7.96	
182	Temperature	°C	21.69	20.19	NA	19.6	19.1	20.1	21.69	19.05	
183	Dissolved Oxygen	mg/l	3.66	0.32	NA	0.85	7.05	3.0	7.05	0.32	
1S4	Electrical Conductivity	μmhos/cm	201	214	NA	189	193	199	214	189	1600 <sup>1</sup>
900	Depth to Groundwater	ft	504.35	510.74	507.65	510.08	506.66	507.90	510.74	504.35	
155	Total Dissolved Solids	mg/l	154	136	NA	118	125	133	154	118	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	0.8	NA	<0.2	<0.2	<0.4	0.8	<0.2	
204	Nitrate	mg-N/l	0.37	0.32	NA	<0.04	0.36	<0.3	0.37	<0.04	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.02	NA	<0.02	<0.02	<0.02	<0.02	<0.02	10 3
257	Sulfate	mg/l	26	16.8	NA	4.6	16.5	16	26	4.6	500 4
301	Chloride	mg/l	2.5	4	NA	3.8	4.2	4	4.2	2.5	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	2500	NA	830	710	<500	<1135	2500	<500	
723	Sodium	mg/l	36.9	32.4	NA	33.3	39.8	35.6	39.8	32.4	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term
<sup>2</sup> 500 recommended / 1000 upper / 1500 short term
<sup>3</sup> Nitrate+Nitrite = 10
<sup>4</sup> 250 recommended / 500 upper / 600 short term

NA - Not Analyzed

### 2004 ANNUAL DATA

The Contract	ANNUAL MRP PARAMETERS		14.50	
TEST	(MISCELLANEOUS)	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	μg/l	140	
206	Total Cyanides	μg/l	<5	200
312	Total Phenols	μg/l	<11	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	14.5	
704	Magnesium	mg/l	1.6	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.025	1
707	Aluminum	mg/l	1.99	1
708 709	Cadmium	mg/l	<0.0004	0.005
711	Total Chromium Cobalt	mg/l	0.015	0.05
712	Copper	mg/l	<0.01	1
713	Iron	mg/l	<0.008 1.55	0.3
713	Lead	mg/l mg/l	<0.002	0.3
716	Manganese	mg/l	0.035	0.05
$\frac{710}{717}$	Mercury	mg/l	<0.00004	0.002
718	Nickel	mg/l	<0.02	0.1
719	Potassium	mg/l	<10	
720	Selenium	mg/l	<0.001	0.05
722	Silver	mg/l	< 0.0002	0.1
724	Zinc	mg/l	0.032	5
725	Antimony	_mg/l	< 0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	< 0.04	
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	0.027	
TEST	ANNUAL MRP PARAMETERS		1	
11701		UNIT	MARCH	LIMIT
	(PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	(PESTICIDES & PCBs)	μg/l	<0.01	LIMIT
502	(PESTICIDES & PCBs) PP'-DDE PP'-DDD	μg/l μg/l	<0.01 <0.01	LIMIT
502 504 506	(PESTICIDES & PCBs) PP'-DDE PP'-DDD PP'-DDT	μg/l μg/l μg/l	<0.01 <0.01 <0.01	LIMIT
502 504 506 508	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC	μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01	
502 504 506 508 509	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide	μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510 511 512 513	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510 511 512 513 514	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510 511 512 513 514 515	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.05 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 520 523 524 531 532 533	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.05 <0.01 <0.01 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016	Ug/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01 2 3
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 534 535 536	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	Ug/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.1	0.2 0.01 0.01 2 3
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 534 535 536 537	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 121 Aroclor 1221 Aroclor 1232	Ug/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.1	0.2 0.01 0.01 2 3 0.5 0.5 0.5
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 534 535 536	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	Ug/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.1	0.2 0.01 0.01 2 3

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
(01	(VOLATILE ORGANICS)		-0.5	
601	Methylene Chloride	μg/l	<0.5	
602	Chloroform	μg/l	<0.5	200
603	1,1,1-Trichloroethane	μg/ <u>l</u>	<0.5	200
604	Carbon Tetrachloride	μg/l	<0.5	0.5
605	1,1-Dichloroethene	μg/l	<0.5 <0.5	5
606	Trichloroethylene	µg/l		5
607	Tetrachloroethylene	μg/l	<0.5	3
608	Bromodichloromethane	μg/l	<0.5	
609	Dibromochloromethane	μg/l	<0.5 <0.5	
610	Bromoform	μg/l		70
611	Chlorobenzene	μg/l	<0.5	0.5
612	Vinyl Chloride	μg/l	<0.5	3.0
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	<del></del>
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μ <u>g/l</u>	<0.5	5
619	1,2-Dichloroethane	μg/l	<0.5	0.5
620	Benzene	μg/l	<0.5	150
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	<0.5	10
646	Bromomethane	μg/l	<0.5	
647	Chloroethane	μg/l	<0.5	
648	2-Chloroethylvinylether	μg/l	<0.5	
649	Chloromethane	μg/l	<0.5	
650	1,2-Dichloropropane	μg/l	<0.5	5
651	Cis-1,3-Dichloropropene	μg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	<0.5	
TEST	ANNUAL MRP PARAMETERS (ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	ug/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	μg/l	<10	
852	4-Nitrophenol	μg/l	<10	-
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	I
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	-
805	Benzopyrene	μ <u>g/1</u> μ <u>g/l</u>	<0.02	0.2
806	Benzo(b)fluoranthene	μg/l	<0.02	0.2
807	1,12-Benzoperylene	μ <u>g</u> /l	<5	
808	Benzo(k)fluoranthene	μg/I μg/I	<0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether		<2	
812	Bis(2-diethylhexyl)phthalate	μg/l μg/l	<2	4
813	4-Bromophenyl Phenyl Ether		<5	4
814	Butylbenzyl Phthalate	μg/l		
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μ <u>g/l</u>	<10	
817	Chrysene Chrysene	μ <u>g/l</u>	<5	
818	1,2,5,6-Dibenzanthracene	μ <u>ε/l</u>	<0.02	
819	1,2-Dichlorobenzene	μ <u>g/l</u>	<0.02	
820	1,3-Dichlorobenzene	<u>μg/l</u>	<2	
821		μg/l	<1	
822	1,4-Dichlorobenzene	μg/l	<1	
823	3,3'-Dichlorobenzidine	μg/l	<5	
824	Diethyl Phthalate	μ <u>g/l</u>	<2	
825	Dimethyl Phthalate	μ <u>g/l</u>	<2	
	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<l< td=""><td>1</td></l<>	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/l	< 0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/i	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	< 0.00000077	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

**TABLE 4.21** 

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	MAY	JUNE	SEPTEMBER	DECEMBER	Average	Max	Min	LIMIT
1S1	рН	0-14	7.48	NA	7.43	7.53	7.29	7.43	7.53	7.43	
1S2	Temperature	°C	18.25	NA	17.68	18.25	14.3	17.11	18.25	14.3	
183	Dissolved Oxygen	mg/l	4.26	NA	2.52	6.73	8.53	5.51	8.53	4.26	
184	Electrical Conductivity	mmhos/cm	1099	NA	444	1040	989	893	1099	444	1600 <sup>1</sup>
900	Depth to Groundwater	ft	269.87	271.9	272.5	NA	269.85	271.0	272.5	269.85	
155	Total Dissolved Solids	mg/l	586	NA	626	637	664	628	664	586	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
204	Nitrate	mg-N/l	10.7	NA	7.57	11.2	5.51	8.75	11.2	5.51	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	NA	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	66	NA	74.8	73.6	37.1	63	74.8	37.1	500 <sup>4</sup>
301	Chloride	mg/l	107	NA	105	105	51.7	92.2	107	51.7	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	mg/l	760	NA	1260	1130	1070	1055	1260	760	
723	Sodium	mg/l	68.4	NA	65.7	63.8	68.5	66.6	68.5	63.8	_

<sup>&</sup>lt;sup>1</sup>900 recommended / 1600 upper / 2200 short term
<sup>2</sup>500 recommended / 1000 upper / 1500 short term
<sup>3</sup> Nitrate+Nitrite = 10
<sup>4</sup>250 recommended / 500 upper / 600 short term

NA - Not Analyzed

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (MISCELLANEOUS)	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	μg/l	<60	
206	Total Cyanides	μg/l	<5	200
312	Total Phenols	μg/l	<11	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	119	
704	Magnesium	mg/l	27.3	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.187	11
707	Aluminum	mg/l	< 0.05	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	<0.01	0.05
711	Cobalt	mg/l	<0.01	
712	Copper	mg/l	<0.008	1
713 714	Iron Lead	mg/l	<0.05	0.3
714	Manganese	mg/l	<0.002 <0.005	0.05
717	Mercury	mg/l mg/l	<0.0004	0.002
718	Nickel	mg/l	<0.004	0.002
719	Potassium	mg/l	<10	0.1
720	Selenium	mg/l	<0.001	0.05
722	Silver	mg/l	<0.0002	0.03
724	Zinc	mg/l	<0.01	5
725	Antimony	mg/l	< 0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	< 0.04	
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	< 0.02	
TEST	ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	PP'-DDE	μg/l	< 0.01	
504	PP'-DDD	μg/l	< 0.01	
506	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	μg/l	< 0.01	
509	Lindane (Gamma-BHC)	μg/l	< 0.01	0.2
510	Heptachlor	μg/l	< 0.01	0.01
511	Heptachlor Epoxide	μg/l	< 0.01	0.01
512	Aldrin	μg/l	< 0.01	
513	Dieldrin	μg/l	< 0.01	
514	Endrin	μg/l	<0.01	2
515	Toxaphene	<u>μg/l</u>	<0.5	3
519 520	Arcelor 1242	μg/l	<0.1	ļ
523	Aroclor 1254 Beta-BHC	μ <u>g/l</u>	<0.05	
523 524	Delta-BHC	μg/l	<0.01 <0.01	ļ
531	Endosulfan I	μg/l	<0.01	
532	Endosulfan II	μ <u>g/l</u>	<0.01	
533	Endosulfan Sulfate	μg/l μg/l	<0.01	<b>_</b>
534	Endrin Aldehyde	<u>μg/1</u> μg/l	<0.01	
535	Aroclor 1016	μg/l	<0.01	0.5
536	Aroclor 1221	μg/l	<0.1	0.5
537	Aroclor 1232	μg/l	<0.1	0.5
538	Aroclor 1248	μg/l	<0.1	0.5
539	Aroclor 1260	μg/l	< 0.1	0.5

# 2004 ANNUAL DATA

TEN CO	ANNUAL MRP PARAMETERS			
TEST	(VOLATILE ORGANICS)	UNIT	MARCH	LIMIT
601	Methylene Chloride	μg/l	<0.5	
602	Chloroform	μ <u>α</u> /1	<0.5	l
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l	<0.5	0.5
605	1,1-Dichloroethene	μ <u>g</u> /l	<0.5	6
606	Trichloroethylene	ug/l	< 0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	ug/l	<0.5	<u>~</u> _
609	Dibromochloromethane	μg/l	< 0.5	
610	Bromoform	μg/l	< 0.5	
611	Chlorobenzene	μg/l	< 0.5	70
612	Vinyl Chloride	μg/l	< 0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l_	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μg/l	<0.5	5
619	1,2-Dichloroethane	μg/I	<0.5	0.5
620	Benzene	μg/l	<0.5	1
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	<0.5	10
646	Bromomethane	μg/l	<0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	<0.5	
649	Chloromethane	μg/l	<0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l_	<0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	<0.5	
The com	ANNUAL MRP PARAMETERS			
TEST	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μ <u>g</u> /1 μ <u>g</u> /l	<5	
848	2,4-Dimethylphenol	μg/I μg/I	<2	
849	2,4-Dinitrophenol	μ <u>g</u> /1 μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l μg/l	<5	
851	2-Nitrophenol	μg/l μg/l	<10	<u> </u>
852	4-Nitrophenol	μ <u>g</u> /1 μ <u>g</u> /l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l μg/l	<10	
854	Pentachlorophenol	μg/l μg/l	<5	ĺ
855	Phenol		<1	1
856	2,4,6-Trichlorophenol	μg/l	<10	
	12, 1,0 III off option of	μg/l		L

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
000	(BASE/NEUTRAL EXTRACTIBLES)	01111		Dilvill
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	< 0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	<del></del>
825	Di-n-Butyl Phthalate	μg/l_	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/I	<0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μ <u>g/1</u> μ <u>g/l</u>	<5	
841	n-Nitrosodi-n-propylamine	μg/I	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μ <u>g</u> /l	<10	
844	2,3,7,8-TCDD	μg/l μg/l	<0.0000011	0.00003
846	1,2,4-Trichlorobenzene			70
857	n-Nitrosodiphenylamine	μ <u>g</u> /l μ <u>g</u> /l	<5 <1	//

**TABLE 4.23** 

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	JULY	SEPTEMBER	DECEMBER	Average	Max	Min	LIMIT
181	рН	0-14	7.37	7.78	NA	7.79	7.56	7.63	7.79	7.37	
1S2	Temperature	°C	17.29	17.04	NA	16.25	17.2	16.94	17.19	16.3	
1S3	Dissolved Oxygen	mg/l	2.74	2.65	NA	3.8	8.73	4.48	8.73	2.65	
184	Electrical Conductivity	μmhos/cm	379	356	NA	309.8	483	382	483	309.8	1600 <sup>1</sup>
900	Depth to Groundwater	ft	310	316.84	316.84	NA	315.20	315	316.84	310	
155	Total Dissolved Solids	mg/l	218	246	NA	243	301	252	301	218	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	<0.1	NA	<0.2	0.84	<0.3	0.84	<0.1	
204	Nitrate	mg-N/l	4.77	4.52	NA	3.73	8.88	5.48	8.88	3.73	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.02	NA	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	23.5	22	NA	21.5	29.9	24	29.9	21.5	500 <sup>4</sup>
301	Chloride	mg/l	31.6	37.2	NA	39.4	60.2	42.1	60.2	31.6	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	560	NA	2700	2600	650	1628	2700	560	
723	Sodium	mg/l	19.4	13.3	NA	20.7	23.3	19.2	23.3	13.3	

<sup>&</sup>lt;sup>1</sup>900 recommended / 1600 upper / 2200 short term <sup>2</sup>500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup>250 recommended / 500 upper / 600 short term NA - Not Analyzed

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(MISCELLANEOUS)	//	-(0	
C15	Total Petroleum Hydrocarbons	μg/l μg/l	<60 <5	200
206 312	Total Cyanides Total Phenols	μg/I μg/I	<11	200
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	42.2	
704	Magnesium	mg/l	9.2	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.059	11
707	Aluminum	mg/l	0.46	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	0.011	0.05
711	Cobalt	mg/l	< 0.01	
712	Copper	mg/l	<0.008	1
713	Iron	mg/l	0.401	0.3
714	Lead	mg/l	<0.002	0.05
716 717	Manganese	mg/l mg/l	0.007 <0.00004	0.05
717	Mercury Nielel			0.002
718	Nickel Potassium	mg/l mg/l	<0.02	0.1
719	Selenium	mg/l	<0.001	0.05
722	Silver	mg/l	<0.001	0.03
724	Zinc	mg/l	0.0002	5
725	Antimony	mg/l	<0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	< 0.04	
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	< 0.02	
TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(PESTICIDES & PCBs)			
502	PP'-DDE	μg/l	< 0.01	
504	PP'-DDD			
		μg/l	< 0.01	
506	PP'-DDT	μg/l	< 0.01	
508	PP'-DDT Alpha-BHC	μg/l μg/l	<0.01 <0.01	0.2
508 509	PP'-DDT Alpha-BHC Lindane (Gamma-BHC)	μg/l μg/l μg/l	<0.01 <0.01 <0.01	0.2
508 509 510	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor	μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide	րջ/l րջ/l րջ/l րջ/l	<0.01 <0.01 <0.01 <0.01 <0.01	
508 509 510 511 512	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin	րջ/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511 512 513	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511 512 513 514	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01
508 509 510 511 512 513	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin	րջ/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01
508 509 510 511 512 513 514 515 519 520	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC	րջ/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.5 <0.1 <0.05	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC	µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524 531	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I	με/l με/l με/l με/l με/l με/l με/l με/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.5 <0.1 <0.05 <0.01 <0.01 <0.05	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II	µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate	µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde	µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016	µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01  2 3
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01 2 3
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536 537	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1221 Aroclor 1232	µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01 2 3 3 0.5 0.5 0.5
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01 2 3

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
(01	(VOLATILE ORGANICS)		<0.5	
601	Methylene Chloride	μg/l	<0.5	<del></del>
602	Chloroform	μg/l	<0.5	200
603	1,1,1-Trichloroethane	μg/l	<0.5 <0.5	
604	Carbon Tetrachloride	μ <u>g/l</u>		0.5
605	1,1-Dichloroethene	<u>μg/l</u>	<0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	μg/l	<0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	<0.5	
611	Chlorobenzene	μg/l	< 0.5	70
612	Vinyl Chloride	μg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	< 0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μg/l	< 0.5	5
619	1,2-Dichloroethane	μg/l	< 0.5	0.5
620	Benzene	μg/l	<0.5	1
621	Toluene	μg/l	<0.5	150_
624	Ethyl Benzene	μg/l	< 0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	< 0.5	
649	Chloromethane	μg/l	<0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	μ <u>g</u> /l	<0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	<0.5	
	ANNUAL MRP PARAMETERS		-	
TEST	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	-
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	μg/l	<10	
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	,,,,,,,,,,

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	ug/l	<1	
801	Acenaphthylene	μ <u>g</u> /l	<10	
802	Anthracene	μ <u>g</u> /l	<10	
803	Benzidine	μ <u>g</u> /l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	<0.02	0.2
806	Benzo(b)fluoranthene	μg/l	<0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	<0.02	
809	Bis(2-chloroethoxy)methane	ug/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	<0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	ug/l	<10	3
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μα/Ι	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/l	< 0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	<0.0000032	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

**TABLE 4.25** 

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	JULY	SEPTEMBER	DECEMBER	Average	Max	Min	LIMIT
1S1	рН	0-14	7.64	8.38	NA	7.93	7.77	7.93	8.38	7.64	
1S2	Temperature	°C	16.54	16.35	NA .	16.12	16.8	16.5	16.81	16.1	
183	Dissolved Oxygen	mg/l	2.7	2.02	NA	2.8	8.38	4.0	8.38	2.02	
184	Electrical Conductivity	mmhos/cm	223.3	191	NA	201	229	211	223.3	191	1600 <sup>1</sup>
900	Depth to Groundwater	ft	310.03	312.84	312.84	NA	315.36	312.74	315.36	310	
155	Total Dissolved Solids	mg/l	113	142	NA	142	116	128	142	113	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	<0.1	NA	<0.1	1	<0.3	1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	<0.2	NA	<0.2	<0.2	<0.2	<0.2	<0.2	
204	Nitrate	mg-N/I	1.03	0.72	NA	0.53	1.28	0.89	1.28	0.53	10 3
205	Nitrite	mg-N/l	<0.02	<0.02	NA	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	15.5	15.6	NA	15.6	15.5	15.6	15.6	15.5	500 <sup>4</sup>
301	Chloride	mg/l	6.11	4.7	NA	4	5.5	5	6	4	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	NA	970	1840	<500	<953	1840	<500	
723	Sodium	mg/l	16.9	10.1	NA	17.1	18.5	15.7	18.5	10.1	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term

NA - Not Analyzed

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
C15	(MISCELLANEOUS) Total Petroleum Hydrocarbons			
206	Total Cyanides	μg/l	<60 <5	200
312	Total Phenols	μg/l μg/l	<50	200
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	24.5	
704	Magnesium	mg/l	5.8	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.04	1
707	Aluminum	mg/l	0.79	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	0.01	0.05
711	Cobalt	mg/l	< 0.01	
712	Copper	mg/l	< 0.008	1
713	Iron	mg/l	0.65	0.3
714 716	Lead	mg/l	<0.002	0.05
$\frac{716}{717}$	Manganese Mercury	mg/l	0.011	0.05
$\frac{717}{718}$	Nickel	mg/l	<0.00004 <0.02	0.002
719	Potassium	mg/l	<0.02	0.1
720	Selenium	mg/l mg/l	<0.001	0.05
722	Silver	mg/l	<0.001	0.03
724	Zinc	mg/l	0.002	5
725	Antimony	mg/l	<0.0005	0.006
726	Beryllium	mg/l	<0.0005	0.004
732	Molybdenum	mg/l	<0.04	0.004
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	<0.02	
TEST	ANNUAL MRP PARAMETERS	UNIT	MADCII	TIMIT
	(PESTICIDES & PCBs)	UNII	MARCH	LIMIT
502	PP'-DDE	μg/l	< 0.01	
504	PP'-DDD	μg/l	< 0.01	
506	PP'-DDT	μg/l	< 0.01	
508 509	Alpha-BHC	μg/l	< 0.01	
	Lindane (Gamma-BHC)	μg/l	< 0.01	0.2
<u>5</u> 10	Heptachlor	μg/l μg/l	<0.01 <0.01	0.01
510 511	Heptachlor Heptachlor Epoxide	μg/l μg/l μg/l	<0.01 <0.01 <0.01	
510 511 512	Heptachlor Heptachlor Epoxide Aldrin	μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01	0.01
510 511 512 513	Heptachlor Heptachlor Epoxide Aldrin Dieldrin	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01	0.01
510 511 512 513 514	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin	μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
510 511 512 513 514 515	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
510 511 512 513 514	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.5 <0.1	0.01
510 511 512 513 514 515 519	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05	0.01
510 511 512 513 514 515 519 520 523 524	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01	0.01
510 511 512 513 514 515 519 520 523 524 531	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05	0.01
510 511 512 513 514 515 519 520 523 524 531 532	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.05	0.01
510 511 512 513 514 515 519 520 523 524 531 532 533	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01	0.01
510 511 512 513 514 515 519 520 523 524 531 532 533 534	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01 2 3
510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01 2 3 3 0.5 0.5
510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536 537	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1221 Aroclor 1232	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.1 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0	0.01 0.01 2 3 3 0.5 0.5 0.5
510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01 2 3 3 0.5 0.5

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
(01	(VOLATILE ORGANICS)	CIVII		
601	Methylene Chloride	ug/l	<0.5	
602	Chloroform	μg/l	<0.5	
604	1,1,1-Trichloroethane Carbon Tetrachloride	μg/l	<0.5	200
605	1,1-Dichloroethene	μg/l	<0.5	0.5
606		μg/l	<0.5	6
607	Trichloroethylene	μg/l	<0.5	5
608	Tetrachloroethylene Bromodichloromethane	μg/l	<0.5	5
609		μg/l	<0.5	
610	Dibromochloromethane	μg/l	<0.5	
611	Bromoform	μg/l	<0.5	
	Chlorobenzene	μg/l	<0.5	70
612	Vinyl Chloride	ug/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μg/l	< 0.5	5
618	1,1,2-Trichloroethane	μg/l	<0.5	5
619	1,2-Dichloroethane	μg/l	<0.5	0.5
620	Benzene	µg/l	< 0.5	1
621	Toluene	μg/l	< 0.5	150
624	Ethyl Benzene	μg/l	< 0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	< 0.5	
649	Chloromethane	μg/l	< 0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	< 0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	< 0.5	
TEST	ANNUAL MRP PARAMETERS			
ILSI	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	<del></del>
848	2,4-Dimethylphenol	μg/1 μg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	<del></del>
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	<del></del>
851	2-Nitrophenol	μg/1 μg/l	<10	
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<10	
854	Pentachlorophenol	μ <u>g</u> /1	<5	1
855	Phenol	μ <u>g</u> /1 μg/l	<1	
	1	µg/I	1 1	

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(BASE/NEUTRAL EXTRACTIBLES)		MARCH	
800	Acenaphthene	μ <u>g</u> /l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μ <u>g</u> /l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	· · · · · · · · · · · · · · · · · · ·
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	44
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	< 0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	ug/l	<5	
827	2,6-Dinitrotoluene	ug/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/l	< 0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	ug/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	<0.0000026	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

**TABLE 4.27** 

#### 2004 QUARTERLY DATA

#### **MONITORING WELL MW18**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	JULY	SEPTEMBER	DECEMBER	Average	Max	Min	LIMIT
1S1	рН	0-14	7.88	7.85	NA	7.57	7.87	7.79	7.88	7.57	
1S2	Temperature	°C	19.34	18.54	NA	17.14	15.9	17.72	19.34	15.9	
183	Dissolved Oxygen	mg/l	3.37	2.89	NA	0.79	8	4	8	0.79	
184	Electrical Conductivity	μmhos/cm	681.1	572	NA	568	589	603	681.1	568	1600 <sup>1</sup>
900	Depth to Groundwater	ft	318.65	321.95	321.95	NA	325.19	321.94	325.19	318.65	
155	Total Dissolved Solids	mg/l	405	369	NA	361	338	368	405	338	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.02	<0.2	NA	<0.2	0.39	<0.2	0.39	<0.02	
204	Nitrate	mg-N/l	8.87	6.08	NA	4.27	6.02	6.31	8.87	4.27	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.02	NA	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	69.4	59.9	NA	63.1	65.8	64.6	69.4	59.9	500 <sup>4</sup>
301	Chloride	mg/l	53	44.5	NA	43.9	45.2	47	53	43.9	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	560	NA	1680	4610	710	1890	4610	560	
723	Sodium	mg/l	30.6	23.3	NA	29.6	24.3	27.0	30.6	23.3	

<sup>&</sup>lt;sup>2</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10

NA - Not Analyzed

<sup>&</sup>lt;sup>4</sup> 250 recommended / 500 upper / 600 short term

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
C15	(MISCELLANEOUS) Total Petroleum Hydrocarbons	/1		
206	Total Cyanides	<u>µg/l</u> µg/l	60 <5	200
312	Total Phenols	<u>μg/l</u> μg/l	<12	200
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	83.4	
704	Magnesium	mg/l	17.4	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.124	1
707	Aluminum	mg/l	0.09	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	0.011	0.05
711	Cobalt	mg/l	< 0.01	
712	Copper	mg/l	<0.008	1
713	Iron	mg/l	0.143	0.3
714	Lead	mg/l	< 0.002	
716	Manganese	mg/l	< 0.005	0.05
717	Mercury	mg/l	< 0.00004	0.002
718	Nickel	mg/l	< 0.02	0.1
719	Potassium	mg/l	<10	
720	Selenium	mg/l	< 0.001	0.05
722	Silver	mg/l	< 0.0002	0,1
724	Zinc	mg/l	0.018	5
72 <u>5</u>	Antimony	mg/l	<0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	<0.04	
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	<0.02	
TEST	ANNUAL MRP PARAMETERS		MARCH	T T2
TODI	(DECENCIPED A DOD)	UNIT	I MARCH I	LIMIT
	(PESTICIDES & PCBs)		MARCH	LIMIT ————
502	PP'-DDE	μg/l	<0.01	LIMIT
502 504	PP'-DDE PP'-DDD	μg/l μg/l	<0.01 <0.01	LIMIT
502 504 506	PP'-DDE PP'-DDD PP'-DDT	μg/l μg/l μg/l	<0.01 <0.01 <0.01	LIMIT
502 504 506 508	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC	μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01	
502 504 506 508 509	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC)	μ <u>g/l</u> μ <u>g/l</u> μ <u>g/l</u> μ <u>g/l</u> μ <u>g/l</u>	<0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor	μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510 511 512	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510 511 512 513	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 520 523 524 531 532	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 520 523 524 531 532 533	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 520 523 524 531 532 533 534	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01 2 3
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536 537 538	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01 2 3
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536 537	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01 2 3 0.5 0.5 0.5

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(VOLATILE ORGANICS)			
601	Methylene Chloride	μg/l	<0.5	•
602	Chloroform	μg/l	<0.5	•
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l	<0.5	0.5
605	1,1-Dichloroethene	<u>μg/l</u>	<0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	μg/ <u>l</u>	<0.5	
609	Dibromochloromethane	ug/l	<0.5	
610	Bromoform	μg/l	<0.5	
611	Chlorobenzene	μg/l	<0.5	70
612	Vinyl Chloride	μg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μg/l	<0.5	5
619	1,2-Dichloroethane	μg/l	< 0.5	0.5
620	Benzene	μg/l	<0.5	1
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	<0.5	
649	Chloromethane	μg/l	< 0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	< 0.5	11
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	<0.5	
TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
11251	(ACID EXTRACTIBLES)	ONII	MARCH	17114111
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	μg/l	<10	
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μ <u>g</u> /l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(BASE/NEUTRAL EXTRACTIBLES)		MARCH	LIMITI
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	< 0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/l	< 0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	< 0.0000031	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

**TABLE 4.29** 

#### **2004 QUARTERLY DATA**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	SEPTEMBER	DECEMBER	Average	Max	Min	LIMIT
1S1	рН	0-14	8.56	7.58	8.01	7.46	7.90	8.56	7.46	
1S2	Temperature	°C	21.69	19.11	19.04	16.4	19.05	21.69	16.4	
1S3	Dissolved Oxygen	mg/l	3.66	3.16	7.02	8.4	5.6	8.4	3.16	
184	Electrical Conductivity	μmhos/cm	201	1093	1019	992	826	1093	201	1600 <sup>1</sup>
900	Depth to Groundwater	ft	265.6	265.9	265.6	264.83	265.5	265.9	264.83	
155	Total Dissolved Solids	mg/l	632	717	654	682	671	717	632	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
204	Nitrate	mg-N/l	13.5	11.6	12.9	14.20	13.1	14.20	11.6	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	63	79.1	77.4	79.4	75	79.4	63	500 4
301	Chloride	mg/l	120	116	116	110	116	120	110	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	670	1240	1070	950	983	1070	670	
723	Sodium	mg/l	44.5	44.1	38.6	45	43	45	38.6	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term
<sup>2</sup> 500 recommended / 1000 upper / 1500 short term
<sup>3</sup> Nitrate+Nitrite = 10
<sup>4</sup> 250 recommended / 500 upper / 600 short term
NA - Not Analyzed

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	T (2.1700)	NEAD CALL	
1	(MISCELLANEOUS)	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	μg/l	<60	
206	Total Cyanides	μg/l	<5	200
312	Total Phenols	μg/l	<11	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	129	
704	Magnesium	mg/l	28.6	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.18	1
707	Aluminum	mg/l	< 0.05	1
708 709	Cadmium	mg/l	<0.0004	0.005
711	Total Chromium Cobalt		<0.01	0.05
712	Copper		<0.01 <0.008	<del> </del>
713	Iron	mg/l		0.3
714	Lead	mg/l mg/l	<0.05 <0.002	0.3
716	Manganese	mg/l	<0.002	0.05
717	Mercury	mg/l	<0.0004	0.002
718	Nickel	mg/l	<0.02	0.1
719	Potassium	mg/l	<10	<del> </del>
720	Selenium	mg/l	< 0.001	0.05
722	Silver	mg/l	< 0.0002	0.1
724	Zinc	mg/l	0.01	5
725	Antimony	mg/l	< 0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	<0.04	
734	Thallium	mg/l	<0.001	0.002
/3/	Vanadium	mg/l	< 0.02	
				<del>                                     </del>
TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(PESTICIDES & PCBs)			LIMIT
502	(PESTICIDES & PCBs) PP'-DDE	μg/l	<0.01	LIMIT
502 504	(PESTICIDES & PCBs) PP'-DDE PP'-DDD	μg/l μg/l	<0.01 <0.01	LIMIT
502 504 506	(PESTICIDES & PCBs) PP'-DDE PP'-DDD PP'-DDT	µg/l µg/l µg/l	<0.01 <0.01 <0.01	LIMIT
502 504 506 508	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC	μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01	
502 504 506 508 509	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC)	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510 511	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC	μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01	
502 504 506 508 509 510 511 512	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510 511 512 513	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510 511 512 513 514	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519	(PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC	µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC	µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I	µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I  Endosulfan II	µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533	PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate	µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.001 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I  Endosulfan II	µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01 2 3
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde	µg/l  µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.001 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01 2 3
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 534 535 536 537	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde  Aroclor 121  Aroclor 1221  Aroclor 1232	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.1	0.2 0.01 0.01 2 3 0.5 0.5
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536 537 538	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde  Aroclor 121  Aroclor 1221  Aroclor 1232  Aroclor 1238	µg/l  µg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01 2 3
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 534 535 536 537	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde  Aroclor 121  Aroclor 1221  Aroclor 1232	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.1	0.2 0.01 0.01 2 3 0.5 0.5 0.5

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(VOLATILE ORGANICS)			231,111
601	Methylene Chloride	μg/l	<0.5	
602	Chloroform	μg/l	<0.5	
603	1,1,1-Trichloroethane	μg/l	< 0.5	200
604	Carbon Tetrachloride	μg/l	< 0.5	0.5
605	1,1-Dichloroethene	μg/l	< 0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	μg/l	<0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	<0.5	
611	Chlorobenzene	μg/l	< 0.5	70
612	Vinyl Chloride	μg/l	< 0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	ļ <u>.</u>
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μg/l	< 0.5	5
618	1,1,2-Trichloroethane	μg/l	< 0.5	5
619	1,2-Dichloroethane	μg/l	< 0.5	0.5
620	Benzene	μg/l	< 0.5	1
621	Toluene	μg/l	< 0.5	150
624	Ethyl Benzene	μg/l	< 0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	< 0.5	
649	Chloromethane	μg/l	< 0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	< 0.5	1
654	Acrolein	μg/l	<2	<u> </u>
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	< 0.5	
TEST	ANNUAL MRP PARAMETERS (ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	μg/l_	<10	
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	ug/l	<1	· · · · · · · · · · · · · · · · · · ·
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	-
817	Chrysene	μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	
819	1,2-Dichlorobenzene	ug/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1.4-Dichlorobenzene	ug/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	ug/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l μg/l	<10	
826	2,4-Dinitrotoluene	ug/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	ug/l	<10	
829	1,2-Diphenylhydrazine	μg/l μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l μg/l	<10	
832	Hexachlorobenzene	ug/l	<10	1
833	Hexachlorobutadiene	μg/l	<1	<u>-</u>
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/I μg/I	<1	- 30
836	Indeno(1,2,3-c,d)pyrene	μg/I ug/l	<0.02	
837	Isophorone	μg/I μg/I	<0.02	
838	Naphthalene	μg/I μg/I	<1	
839	Nitrobenzene	1.77	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
840 841		μg/l	<5 <5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
	Phenanthrene	μg/l		
843	Pyrene 2,3,7,8-TCDD	μg/ <u>l</u>	<0.00000086	0.00003
844		μg/l		
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

#### **2004 QUARTERLY DATA**

#### **MONITORING WELL MW21**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	AUGUST	SEPTEMBER	DECEMBER	Average	Max	Min	LIMIT
1S1	рН	0-14	7.49	7.00	NA	7.82	7.64	7.49	7.82	7.00	
1S2	Temperature	°C	17.19	17.17	NA	16.9	15.78	16.76	17.19	15.78	
1S3	Dissolved Oxygen	mg/l	3.22	3.43	NA	2.99	7.6	4.31	7.6	2.99	
184	Electrical Conductivity	μmhos/cm	500	568.1	NA	528	460	514	568.1	460	1600 <sup>1</sup>
900	Depth to Groundwater	ft	316.09	321.93	321.93	NA	322.16	320.53	322.16	316.09	
155	Total Dissolved Solids	mg/l	286	348	NA	334	278	312	348	278	1000 2
201	Ammonia	mg-N/l	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	<0.2	NA	<0.2	0.34	<0.2	0.34	<0.2	
204	Nitrate	mg-N/I	8.57	9.33	NA	8.08	7.13	8.28	9.33	7.13	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.02	NA	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	43.3	48.9	NA	49.3	38.2	44.9	49.3	38.2	500 <sup>4</sup>
301	Chloride	mg/l	35.1	48	NA	39.8	29.6	38	48	29.6	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	NA	890	1450	540	<845	1450	<500	
723	Sodium	mg/l	23.3	18.9	NA	19.9	17.2	19.8	23.3	17.2	

<sup>1</sup>900 recommended / 1600 upper / 2200 short term
<sup>2</sup>500 recommended / 1000 upper / 1500 short term
<sup>3</sup> Nitrate+Nitrite = 10
<sup>4</sup>250 recommended / 500 upper / 600 short term

NA - Not Analyzed

#### 2004 ANNUAL DATA

TEN COD	ANNUAL MRP PARAMETERS		I	
TEST	(MISCELLANEOUS)	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	μg/l	<60	
206	Total Cyanides	μg/l	<5	200 _
312	Total Phenols	μg/l	<12	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	58.8	
704	Magnesium	mg/l	12.3	
705	Arsenic	mg/l	<0.001	0.05
706 707	Barium	mg/l	0.078	1
707	Aluminum Cadmium	mg/l	0.09	0.005
709	Total Chromium	mg/l	<0.0004 <0.01	0.005
711	Cobalt	mg/l mg/l	<0.01	0.03
712	Copper	mg/l	<0.008	1
713	Iron	mg/l	0.008	0.3
$\frac{713}{714}$	Lead	mg/l	<0.002	V.3
716	Manganese	mg/l	<0.005	0.05
717	Mercury	mg/l	0.00004	0.002
718	Nickel	mg/I	<0.02	0.1
719	Potassium	mg/l	<10	
720	Selenium	mg/l	< 0.001	0.05
722	Silver	mg/l	< 0.0002	0.1
724	Zinc	mg/l	0.015	5
725	Antimony	mg/l	< 0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l_	< 0.04	
734	Thallium	mg/l	< 0.001	0.002
				0.002
737	Vanadium	mg/l	<0.02	0.002
	Vanadium ANNUAL MRP PARAMETERS	mg/l	<0.02	
737 TEST	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)	mg/l UNIT	<0.02 MARCH	LIMIT
737 <b>TEST</b> 502	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE	mg/l UNIT μg/l	<0.02 MARCH <0.01	
737 <b>TEST</b> 502 504	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD	mg/l UNIT  µg/l µg/l	<0.02 MARCH <0.01 <0.01	
737 TEST 502 504 506	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT	mg/l UNIT μg/l μg/l μg/l	<0.02 MARCH <0.01 <0.01 <0.01	
737 TEST 502 504 506 508	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC	mg/l UNIT μg/l μg/l μg/l μg/l μg/l	<0.02 MARCH <0.01 <0.01 <0.01 <0.01	LIMIT
737 TEST 502 504 506 508 509	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)	mg/l  UNIT  μg/l  μg/l  μg/l  μg/l  μg/l  μg/l  μg/l	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	LIMIT
737 TEST 502 504 506 508 509 510	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor	mg/l UNIT	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01
737 TEST 502 504 506 508 509 510 511	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide	mg/l UNIT	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	LIMIT
737 TEST 502 504 506 508 509 510	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin	mg/l UNIT	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01
737 TEST 502 504 506 508 509 510 511 512	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin	mg/l  UNIT	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
737 TEST  502 504 506 508 509 510 511 512 513 514 515	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin	mg/l UNIT	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01
737 TEST  502 504 506 508 509 510 511 512 513 514	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin	mg/l  UNIT   µg/l	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene	mg/l UNIT	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC	mg/l  UNIT   µg/l	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC	mg/l  UNIT  µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05	0.2 0.01 0.01
737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I	mg/l  UNIT  µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.05	0.2 0.01 0.01
737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I  Endosulfan II	mg/l  UNIT   µg/l	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate	mg/l  UNIT  µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg/	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde	mg/l  UNIT   µg/l	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde  Aroclor 1016	mg/l  UNIT   µg/l	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.0	0.2 0.01 0.01 2 3
737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde  Aroclor 1211	mg/l  UNIT   µg/l	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.0	0.2 0.01 0.01 2 3
737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 534 535 536 537	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde  Aroclor 1211  Aroclor 1232	mg/l  UNIT   µg/l  µg/l	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.1 <0.	0.2 0.01 0.01 2 3 0.5 0.5 0.5
737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	Vanadium  ANNUAL MRP PARAMETERS  (PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde  Aroclor 1211	mg/l  UNIT   µg/l	<0.02  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.0	0.2 0.01 0.01 2 3

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (VOLATILE ORGANICS)	UNIT	MARCH	LIMIT
601	Methylene Chloride	μ <u>g/l</u>	<0.5	
602	Chloroform	μ <u>g/1</u> μ <u>g/1</u>	<0.5	
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l μg/l	<0.5	0.5
605	1,1-Dichloroethene	μg/l	<0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	μg/l	<0.5	
609	Dibromochloromethane	μ <u>g</u> /1	<0.5	
610	Bromoform	μg/l	<0.5	
611	Chlorobenzene	μ <u>g</u> /I μg/I	<0.5	70
612	Vinyl Chloride	μg/I μg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μ <u>g/1</u> μ <u>g/l</u>	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	000
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l μg/l	<0.5	5
616	1,1-Dichloroethane	μg/I μg/l	<0.5	5
618	1,1,2-Trichloroethane		<0.5	5
619	1,2-Dichloroethane	μg/l	<0.5	0.5
620		μg/l	<0.5	0.5
621	Benzene Toluene	μ <u>g</u> /l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645		<u>де/l</u>	<0.5	10
646	Trans-1,2-Dichloroethylene Bromomethane	µg/l	<0.5	10
647		μg/l	<0.5	
648	Chloroethane 2-Chloroethylvinylether	μg/l		
		μ <u>g/l</u>	<0.5 <0.5	
649	Chloromethane	μg/l		5
650	1,2-Dichloropropane	μ <u>g/l</u>	<0.5 <0.5	0.5
651	Cis-1,3-Dichloropropene	μg/l		
652	Trans-1,3-Dichloropropene	ug/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5	I
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μ <u>g</u> /l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	
TEST	ANNUAL MRP PARAMETERS (ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	με/Ι	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	μg/l	<10	
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	ug/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(BASE/NEUTRAL EXTRACTIBLES)			
800	Acenaphthene	μ <u>g/l</u>	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μ <u>ε</u> /l	<0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5_	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	< 0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2.4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	· · · · ·
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	A.W. Light C
836	Indeno(1,2,3-c,d)pyrene	ug/l	< 0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	- 148
843	Pyrene	μg/l	<10	
844	2.3.7,8-TCDD	μg/l	<0.0000028	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

#### EXHIBIT I-5 TO CITY OF LOS ANGELES' RESPONSE TO DISCOVERY ORDER

**TABLE 4.33** 

#### ATAO YJRETRAUD 400S

#### MONITORING WELL MW22

LIMIT	aiM	XaM	Ачегаде	DECEMBER	ОСТОВЕК	SEPTEMBER	MONE	YAM	МАВСН	TINU	оплетеры мар ракаметеря	TEST
	\$6.9	0 <i>T. T</i>	8£.7	0£.7	ΑN	07.7	TZ.T	ΑN	\$6.9	<b>†</b> I-0	Hq	ISI
	96 <sup>°</sup> LI	LZ.61	6L.81	96 <sup>.</sup> LI	ΑN	28.81	11.91	ΨN	72.91	Э,	Temperature	ZSI
	72.5	18.9	££.2	18.6	ΑN	72.5	50.2	ΑN	3.71	l\gm	Dissolved Oxygen	ESI
10091	830	L'806	<i>₽</i> ∠8	\$88	ΨN	830	ZL8	ΑN	7.806	шу/so/шт	Electrical Conductivity	124
	294.35	08.362	72.29S	06.362	ΨN	٧N	295.33	01.295	294.35	Ĥ	Depth to Groundwater	006
1000	105	065	545	105	ΑN	688	06\$	ΨN	ISS	l\gm	Total Dissolved Solids	ISS
	1.0>	I '0>	I.0>	1.0>	ΑN	1.0>	1.0>	ΑN	1.0>	I/V-3m	sinommA	701
	2.0>	2.0>	2.0>	2.0>	ΑN	2.0>	2.0>	ΨN	2.0>	I\V-gm	Kjeldahl Mitrogen	203
10 3	3.05	<b>7</b> 6'6	60.8	3.05	ΑN	t6.6	15.6	ΨN	78.e	I\V-3m	Sitrate	707
10 3	20.0>	20.0>	20.0>	20.0>	٧N	20.0>	20.0>	AN	20.0>	I/V-3m	Sirite	202
\$ 005	1.27	L'†8	€.97	ĽSL	٧N	1.27	8.27	ΑN	L.48	l\gm	Sulfate	LSZ
t 005	1.98	2.46	0.26	1.59	ΑN	1.98	9.16	∀N	2.46	l\gm	Chloride	301
02.0	1.0>	I.0>	1.0>	1.0>	1.0>	I.0>	AN	ΑN	1.0>	[/8m	MBAS	SIE
	085	1100	S†8	1100	068	018	AN	ΑN	085	[/রীপ	Total Organic Carbon	\$017
	5.92	0.25	£.££	34.4	ΔN	0.2£	£.62	AN	9.4€	l\gm	muiboS	EZL

900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1600 upper / 1500 short term <sup>3</sup> Witrate+Witrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term <sup>4</sup> AD recommended / 500 upper / 600 short term <sup>4</sup> AD recommended / 500 upper / 600 short term

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	X IN I WE	MARGIA	LIMIT
1651	(MISCELLANEOUS)	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	μg/l	<60	
206	Total Cyanides	μg/l	<5	200_
312	Total Phenols	μg/l	46	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	106	
704	Magnesium	mg/l	21_	
705	Arsenic	mg/l	< 0.001	0.05
706 707	Barium	mg/l	0.183	l
707	Aluminum Cadmium	mg/l	0.52	1
708	Total Chromium	mg/l mg/l	<0.0004 <0.01	0.005 0.05
711	Cobalt	mg/l	<0.01	0.03
712	Copper	mg/l	<0.008	1
$\frac{712}{713}$	Iron	mg/l	0.496	0.3
714	Lead	mg/l	<0.002	0.5
716	Manganese	mg/l	0.002	0.05
717	Mercury	mg/l	<0.0004	0.002
718	Nickel	mg/l	<0.02	0.002
719	Potassium	mg/l	<10	VII.
720	Selenium	mg/l	< 0.001	0.05
722	Silver	mg/l	< 0.0002	0.1
724	Zinc	mg/l	0.016	5
725	Antimony	mg/l	< 0.0005	0.006
726	Beryllium	mg/l_	< 0.0005	0.004
732	Molybdenum	mg/l	< 0.04	
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	< 0.02	
ann can	ANNUAL MRP PARAMETERS			
TEST		UNIT	MARCH	LIMIT
	(PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	(PESTICIDES & PCBs) PP'-DDE	μg/l	<0.01	LIMIT
502 504	(PESTICIDES & PCBs) PP'-DDE PP'-DDD	μg/l μg/l	<0.01 <0.01	LIMIT
502 504 506	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT	μg/l μg/l μg/l	<0.01 <0.01 <0.01	LIMIT
502 504 506 508	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC	μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01	
502 504 506 508 509	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)	μ <u>g</u> /l μ <u>g</u> /l μ <u>g</u> /l μ <u>g</u> /l	<0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor	μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510 511	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510 511 512	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2
502 504 506 508 509 510 511 512 513 514	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.001 <0.05 <0.01 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I  Endosulfan II	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.001 <0.05 <0.01 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 520 523 524 531 532 533	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.	0.2 0.01 0.01
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde  Aroclor 1016	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.001 <0.001 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01 2 3
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde  Aroclor 1016  Aroclor 1221	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.001 <0.001 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01 2 3
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536 537	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde  Aroclor 12121  Aroclor 1232	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.1	0.2 0.01 0.01 2 3 3 0.5 0.5 0.5
502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	(PESTICIDES & PCBs)  PP'-DDE  PP'-DDD  PP'-DDT  Alpha-BHC  Lindane (Gamma-BHC)  Heptachlor  Heptachlor Epoxide  Aldrin  Dieldrin  Endrin  Toxaphene  Aroclor 1242  Aroclor 1254  Beta-BHC  Delta-BHC  Endosulfan I  Endosulfan II  Endosulfan Sulfate  Endrin Aldehyde  Aroclor 1016  Aroclor 1221	μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.001 <0.001 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.2 0.01 0.01 2 3

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(VOLATILE ORGANICS)			
601	Methylene Chloride	μg/l	<0.5	
602	Chloroform	μg/l	<0.5	
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l	<0.5	0.5
605	1,1-Dichloroethene	μg/l	< 0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	μg/l	<0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	< 0.5	
611	Chlorobenzene	μg/l	< 0.5	70
612	Vinyl Chloride	μg/l	< 0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μ <u>g</u> /l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	< 0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	< 0.5	5
616	1,1-Dichloroethane	μg/l	< 0.5	5
618	1,1,2-Trichloroethane	μg/l	< 0.5	5
619	1,2-Dichloroethane	μg/l	< 0.5	0.5
620	Benzene	μg/l	<0.5	1
621	Toluene	μg/l	< 0.5	150
624	Ethyl Benzene	μg/l	< 0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	< 0.5	
649	Chloromethane	μg/l	<0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	< 0.5	
	ANNUAL MRP PARAMETERS			
TEST	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	μ <u>g</u> /l	<5	
848	2,4-Dimethylphenol	μ <u>ε</u> /Ι	<2	
849	2,4-Dinitrophenol	μg/l	<5	<del></del>
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l μg/l	<5	
851	2-Nitrophenol	μ <u>g</u> /l μ <u>g</u> /l	<10	
852	4-Nitrophenol	<u>μ</u> g/l	<10	
853	4-Nitrophenol 4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)		<10	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	1
856	2,4,6-Trichlorophenol	<u>µg/l</u> µg/l	<10	
ا مره	12,4,0-111Cmorophenoi	1 дд/1	<u></u>	<u> </u>

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	*****
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	<0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	*****
819	1.2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	***
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μ <u>ε/1</u>	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μ <u>g/l</u> μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μ <u>g/1</u> μ <u>g/l</u>	<10	
829	1,2-Diphenylhydrazine	μ <u>g</u> /1 μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l μg/l	<10	
832	Hexachlorobenzene	μg/I μg/I	<1	1
833	Hexachlorobutadiene	μg/I μg/I	<1	
834	Hexachlorocyclopentadiene	μ <u>g/1</u> μ <u>g/1</u>	<5	50
835	Hexachloroethane	μ <u>g</u> /l	<1	30
836	Indeno(1,2,3-c,d)pyrene	μ <u>g</u> /1	<0.02	
837	Isophorone	μg/l μg/l	<1	
838	Naphthalene	μg/l μg/l	<1	<del></del>
839	Nitrobenzene		<1	
840	n-Nitrosodimethylamine	μg/1	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842		μ <u>g/l</u>		
842	Phenanthrene Pyrene	μg/l	<5 <10	
		μg/l		0.0000
844	2,3,7,8-TCDD	μg/l	<0.0000026	0.00003
846	1,2,4-Trichlorobenzene n-Nitrosodiphenylamine	μg/l μg/l	<5	70

**TABLE 4.35** 

#### 2004 QUARTERLY DATA

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	SEPTEMBER	OCTOBER	DECEMBER	Average	Max	Min	LIMIT
1S1	pH	0-14	8.18	8.41	7.55	NA	7.73	7.97	8.41	7.55	
1S2	Temperature	°C	20.40	20.57	20.45	NA	17.46	19.72	20.57	17.46	
1S3	Dissolved Oxygen	mg/l	2.58	2.65	3.51	NA	7.61	4.09	7.61	2.58	
1S4	Electrical Conductivity	μmhos/cm	417	423	404	NA	401	411	423	401	1600 <sup>1</sup>
900	Depth to Groundwater	ft	312.24	310.25	NA	NA	312.91	311.80	312.91	310.25	
155	Total Dissolved Solids	mg/l	261	256	228	NA	234	245	261	228	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	0.3	<0.2	NA	<0.2	<0.2	0.3	<0.2	
204	Nitrate	mg-N/l	4.16	3.64	4.02	NA	3.33	2.53	4.16	3.33	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	NA	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	38.1	33.70	34.1	NA	31.5	34.4	38.1	31.5	500 <sup>4</sup>
301	Chloride	mg/l	36.6	40.9	40.9	NA	37.6	39.0	40.9	36.6	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	NA	520	510	<500	508	520	<500	i
723	Sodium	mg/l	29.4	24.0	25.6	NA	23.6	25.7	29.4	23.6	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term NA - Not Analyzed

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(MISCELLANEOUS)	ONT	MARCH	CHAIL
C15	Total Petroleum Hydrocarbons	μg/l	<60	
206	Total Cyanides	μg/l	<5	200
312	Total Phenols	μg/l	<12	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	45	
704	Magnesium	mg/l	5.3	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.052	1
707	Aluminum	mg/l	<0.05	1
708 709	Cadmium	mg/l	<0.0004	0.005
711	Total Chromium	mg/l	<0.01	0.05
711	Cobalt	mg/l	<0.01	
713	Copper	mg/l	<0.008	1
713	Iron Lead	mg/l	<0.05 <0.002	0.3
716	Manganese	mg/l mg/l	<0.002	0.05
717	Mercury	mg/l	<0.0004	0.002
718	Nickel	mg/l	<0.0004	0.002
719	Potassium	mg/l	<10	0.1
720	Selenium	mg/l	<0.001	0.05
722	Silver	mg/l	<0.0002	0.1
724	Zinc	mg/l	0.015	5
725	Antimony	mg/l	< 0.0005	0.006
726	Beryllium	mg/l	< 0.0005	0.004
732	Molybdenum	mg/l	< 0.04	
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	< 0.02	
TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(PESTICIDES & PCBs)	UNII	MARCII	LIMIT
502	PP'-DDE	μg/l	< 0.01	
504	PP'-DDD	μg/l	< 0.01	
506	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	ug/l	< 0.01	
509	Lindane (Gamma-BHC)	μg/l	< 0.01	0.2
510	Heptachlor	μg/l	< 0.01	0.01
511	Heptachlor Epoxide	μg/l	< 0.01	0.01
512 513	Aldrin	μ <u>g/l</u>	<0.01	
514	Dieldrin	μg/l	<0.01	
515	Endrin Toxaphene	<u>μg/l</u>	<0.01 <0.5	2
519	Aroclor 1242	μ <u>g</u> /l μ <u>g</u> /l	<0.5	
520	Aroclor 1254	μ <u>μ</u> σ/Ι μ <u>α</u> /Ι	<0.05	
523	Beta-BHC	μ <u>μ</u> μ <u>μ</u> μ <u>μ</u> μ <u>μ</u> μ <u>μ</u> μ <u>γ</u> /1	<0.03	·
524	Delta-BHC	μ <u>α</u> /Ι	<0.01	· · · · · · · · · · · · · · · · · · ·
531	Endosulfan I	μ <u>g/1</u> μ <u>g/l</u>	<0.01	
532	Endosulfan II	μg/l	< 0.01	
533	Endosulfan Sulfate	μg/l	<0.1	<del></del>
534	Endrin Aldehyde	μg/l	<0.01	· · · · · · · · · · · · · · · · · · ·
535	Aroclor 1016	μg/l	<0.1	0.5
536	Aroclor 1221	μg/l	<0.1	0.5
537	Aroclor 1232	μg/l	<0.1	0.5
538	Aroclor 1248	μg/l	<0.1	0.5
539	Aroclor 1260	με/Ι	< 0.1	0.5
540	Technical Chlordane	μ <u>ε/1</u> μ <u>ε/l</u>	<0.05	0.1

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (VOLATILE ORGANICS)	UNIT	MARCH	LIMIT
601	Methylene Chloride	ug/l	<0.5	
602	Chloroform	ug/l	<0.5	
603	1,1,1-Trichloroethane	μ <u>g</u> /l μg/l	<0.5	200
604	Carbon Tetrachloride	μ <u>g/l</u>	<0.5	0.5
605	1,1-Dichloroethene	μg/l	<0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μ <u>g</u> /l	<0.5	5
608	Bromodichloromethane	ug/l	<0.5	
609	Dibromochloromethane	μg/I μg/l	<0.5	
610	Bromoform		<0.5	
		μ <u>g</u> /l	<0.5	70
611	Chlorobenzene	μ <u>μ</u> μ <u>σ/l</u>	<0.5	0.5
612	Vinyl Chloride	μg/l		
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μg/l	<0.5	5
619	1,2-Dichloroethane	μg/l	< 0.5	0.5
620	Benzene	μ <u>g</u> /l	< 0.5	1
621	Toluene	μg/l	< 0.5	150
624	Ethyl Benzene	μ <b>g</b> /l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	< 0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	< 0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	< 0.5	
	ANNUAL MRP PARAMETERS			
TEST	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	1.77
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	μg/1 μg/l	<2	
849	2,4-Dinitrophenol		<5	
850		μg/l	< <u>5</u>	
	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<10	
851	2-Nitrophenol	<u>μg/l</u>	<10	
852	4-Nitrophenol	<u>μg/l</u>		4
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μ <u>g/l</u>	<1	<del></del>
854	Pentachlorophenol	μ <u>g/l</u>	<5	1
855	Phenol	μg/l	<1	· · · · · · · · · · · · · · · · · · ·
856	2,4,6-Trichlorophenol	μg/l	<10	

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l μg/l	<10	
802	Anthracene	μ <u>g</u> /l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μ <u>g</u> /l	<5	
805	Benzopyrene	μg/l μg/l	<0.02	0.2
806	Benzo(b)fluoranthene	μ <u>g</u> /I μ <u>g</u> /I	<0.02	0.2
807	1,12-Benzoperylene	ug/l	<5	
808	Benzo(k)fluoranthene	μg/l	<0.02	
809	Bis(2-chloroethoxy)methane	μ <u>g</u> /l	<5	
810	Bis(2-Chloroethyl)ether	μg/l μg/l	<1	
811	Bis(2-chloroisopropyl)ether		<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
		μg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<10	
814	Butylbenzyl Phthalate	μ <u>g/l</u>		
815	2-Chloronaphthalene	μ <u>g/l</u>	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μ <u>g/l</u>	<0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	,
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μ <u>e</u> /l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μg/l	< 0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	< 0.0000043	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

**TABLE 4.37** 

# 2004 QUARTERLY DATA

# MONITORING WELL MW24

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	MAY	JUNE	JULY	SEPTEMBER	DECEMBER	Average	Max	Min	LIMIT
181	Hd	0-14	8.07	NA	7.60	NA	7.94	7.81	7.86	8.07	09.7	
182	Temperature	ე,	19.05	NA	19.07	NA	18.78	16.43	18.33	19.07	16.43	
183	Dissolved Oxygen	∥mg/l	2.39	NA	2.15	NA	2.99	9.21	4.19	9.21	2.15	
184	Electrical Conductivity	mpysoum	257	NA	797	NA	244	273	259.00	273	244	1600 1
006	Depth to Groundwater	ij	313.74	314.62	315.11	315.11	NA	319.15	315.55	319.15	313.74	
155	Total Dissolved Solids	√au	165	NA	177	NA	170	159	168	177	159	1000 2
201	Ammonia	VN-gm	<0.1	NA	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	l/N-gm	<0.2	NA	<0.2	NA	<0.2	1.12	0.4	1.12	<0.2	
204	Nitrate	l/N-8m	06:0	NA	06.0	NA	99.0	1.00	98.0	1.00	59:0	10 3
205	Nitrite	l/N-8m	<0.02	NA	<0.02	NA	<0.02	<0.02	<0.02	<0.02	<0.02	10 3
257	Suffate	ľ/gm	30.0	NA	27.1	NA	26.5	27.8	27.9	30.0	26.5	500 4
301	Chloride	∏gm	5	NA	7.2	NA	6.9	8.1	7	8.1	5	500 4
315	MBAS	l/gm	<0.1	NA	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	l/gμ	995	NA	NA	<500	1410	<500	<743	1410	005>	
723	Sodium	l∕gm	19.0	NA	12.6	NA	6.61	21.4	18.2	21.4	12.6	
1000												

 $^{1}$  900 recommended / 1600 upper / 2200 short term  $^{2}$  500 recommended / 1000 upper / 1500 short term  $^{3}$  Nitrate+Nitrite ≈ 10  $^{4}$  250 recommended / 500 upper / 600 short term NA - Not Analyzed

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(MISCELLANEOUS)			
C15	Total Petroleum Hydrocarbons	μ <u>g/l</u>	<50	200
206 312	Total Cyanides	μg/l	<5 <11	200
312	Total Phenois	μg/l	<u> </u>	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	27.3	-
704	Magnesium	mg/l	6.6	0.05
705	Arsenic	mg/l	<0.001	0.05
706	Barium	mg/l	0.042	<u>l</u>
707	Aluminum	mg/l	0.31	0.005
708	Cadmium	mg/l	<0.0004 <0.01	0.005
709 711	Total Chromium Cobalt	mg/l mg/l	<0.01	0.03
712	Copper	mg/l	<0.008	1
713	Iron	mg/l	0.303	0.3
713	Lead	mg/l	<0.002	0.5
716	Manganese	mg/l	<0.002	0.05
717	Mercury	mg/l	<0.0004	0.002
718	Nickel	mg/l	<0.02	0.1
719	Potassium	mg/l	<10	- 0.1
720	Selenium	mg/l	< 0.001	0.05
722	Silver	mg/l	<0.0002	0.1
724	Zinc	mg/l	0.013	5
725	Antimony	mg/l	< 0.0005	0.006
				0.004
		mg/l	<0.0005	0.004
726 732	Beryllium Molybdenum	mg/l mg/l	<0.0005 <0.04	0.004
726	Beryllium	mg/l	< 0.04	0.004
726 732	Beryllium Molybdenum			
726 732 734 737	Beryllium Molybdenum Thallium	mg/l mg/l mg/l	<0.04 <0.001 <0.02	0.002
726 732 734	Beryllium Molybdenum Thallium Vanadium ANNUAL MRP PARAMETERS	mg/l mg/l	<0.04 <0.001	
726 732 734 737	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)	mg/l mg/l mg/l UNIT	<0.04 <0.001 <0.02	0.002
726 732 734 737 TEST	Beryllium Molybdenum Thallium Vanadium ANNUAL MRP PARAMETERS	mg/l mg/l mg/l UNIT μg/l	<0.04 <0.001 <0.02 MARCH	0.002
726 732 734 737 <b>TEST</b> 502 504	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs) PP'-DDE	mg/l mg/l mg/l UNIT  µg/l µg/l	<0.04 <0.001 <0.02 <b>MARCH</b>	0.002
726 732 734 737 TEST 502	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs) PP'-DDE PP'-DDD	mg/l mg/l mg/l UNIT μg/l	<0.04 <0.001 <0.02 <b>MARCH</b> <0.01 <0.01	0.002
726 732 734 737 TEST 502 504 506 508 509	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC)	mg/l mg/l mg/l UNIT  µg/l µg/l µg/l	<0.04 <0.001 <0.02 <b>MARCH</b> <0.01 <0.01	0.002
726 732 734 737 TEST 502 504 506 508 509 510	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor	mg/l mg/l mg/l mg/l UNIT   µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg	<0.04 <0.001 <0.02 MARCH <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.002 LIMIT 0.2 0.01
726 732 734 737 TEST 502 504 506 508 509 510	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide	mg/l mg/l mg/l mg/l UNIT  μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/	<0.04 <0.001 <0.02 MARCH <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.002 LIMIT
726 732 734 737 TEST  502 504 506 508 509 510 511 512	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin	mg/l mg/l mg/l mg/l UNIT  μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/	<0.04 <0.001 <0.02 <b>MARCH</b> <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.002 LIMIT 0.2 0.01
726 732 734 737 TEST  502 504 506 508 509 510 511 512 513	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin	mg/l mg/l mg/l mg/l UNIT  μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/	<0.04 <0.001 <0.02 MARCH <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.002 LIMIT  0.2  0.01  0.01
726 732 734 737 TEST 502 504 506 508 509 510 511 512 513 514	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin	mg/l mg/l mg/l mg/l  UNIT  μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/	<0.04 <0.001 <0.002  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.002 LIMIT  0.2  0.01  0.01
726 732 734 737 TEST  502 504 506 508 509 510 511 512 513 514 515	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene	mg/l mg/l mg/l mg/l  UNIT  μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/	<0.04 <0.001 <0.002  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05	0.002 LIMIT  0.2  0.01  0.01
726 732 734 737 TEST 502 504 506 508 509 510 511 512 513 514 515 519	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242	mg/l mg/l mg/l mg/l  UNIT  μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/	<0.04 <0.001 <0.002  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.002 LIMIT  0.2  0.01  0.01
726 732 734 737 TEST 502 504 506 508 509 510 511 512 513 514 515 519	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254	mg/l mg/l mg/l mg/l  UNIT  μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/	<0.04 <0.001 <0.002  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.05	0.002 LIMIT  0.2  0.01  0.01
726 732 734 737 TEST 502 504 506 508 509 510 511 512 513 514 515 519 520 523	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC	mg/l mg/l mg/l mg/l  Mg/l  UNIT  μg/l μg/l μg/l μg/l μg/l μg/l μg/l μg/	<0.04 <0.001 <0.002  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0	0.002 LIMIT  0.2  0.01  0.01
726 732 734 737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC	mg/l mg/l mg/l mg/l  UNIT   µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg	<0.04 <0.001 <0.002  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.002 LIMIT  0.2  0.01  0.01
726 732 734 737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I	mg/l mg/l mg/l mg/l  Mg/l  UNIT	<0.04 <0.001 <0.002  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.002 LIMIT  0.2  0.01  0.01
726 732 734 737 TEST 502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II	mg/l mg/l mg/l mg/l mg/l  UNIT   µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg	<0.04 <0.001 <0.002  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0	0.002 LIMIT  0.2  0.01  0.01
726 732 734 737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate	mg/l mg/l mg/l mg/l mg/l  UNIT   µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg	<0.04 <0.001 <0.002  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0	0.002 LIMIT  0.2  0.01  0.01
726 732 734 737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde	mg/l mg/l mg/l mg/l mg/l  UNIT   µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg	<0.04 <0.001 <0.002  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0	0.002  LIMIT  0.2  0.01  0.01
726 732 734 737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016	mg/l mg/l mg/l mg/l mg/l  UNIT   µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg	<0.04 <0.001 <0.002  MARCH  <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.	0.002  LIMIT  0.2 0.01 0.01  2 3
726 732 734 737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	mg/l mg/l mg/l mg/l mg/l  UNIT   µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg	<0.04 <0.001 <0.002  MARCH  <0.001 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <	0.002  LIMIT  0.2 0.01 0.01  2 3  0.5 0.5
726 732 734 737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1221 Aroclor 1232	mg/l mg/l mg/l mg/l mg/l  UNIT   µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg	<0.04 <0.001 <0.002  MARCH  <0.001 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <	0.002  LIMIT  0.2 0.01 0.01  2 3  0.5 0.5 0.5
726 732 734 737 TEST  502 504 506 508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	Beryllium Molybdenum Thallium Vanadium  ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)  PP'-DDE PP'-DDD PP'-DDT Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221	mg/l mg/l mg/l mg/l mg/l  UNIT   µg/l µg/l µg/l µg/l µg/l µg/l µg/l µg	<0.04 <0.001 <0.002  MARCH  <0.001 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <	0.002  LIMIT  0.2 0.01 0.01  2 3  0.5 0.5

#### 2004 ANNUAL DATA

	ANNUAL MRP PARAMETERS			
TEST	(VOLATILE ORGANICS)	UNIT	MARCH	LIMIT
601	Methylene Chloride	μg/l	<0.5	
602	Chloroform	μg/l	<0.5	
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l	<0.5	0.5
605	1,1-Dichloroethene	μg/l	<0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	μg/l	<0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	<0.5	- ~~
611	Chlorobenzene	μg/l	<0.5	70
612	Vinyl Chloride	μg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1.1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μg/l	<0.5	5
619	1,2-Dichloroethane	μg/l	<0.5	0.5
620	Benzene	μg/l	<0.5	1
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μ <u>g</u> /l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/1 μg/1	<0.5	10
646	Bromomethane	μ <u>g</u> /l	<0.5	10
647	Chloroethane	μ <u>g</u> /l μg/l	<0.5	
648	2-Chloroethylvinylether	μg/l μg/l	<0.5	
649	Chloromethane	μg/l	<0.5	
650	1,2-Dichloropropane	μg/l	<0.5	5
651	Cis-1,3-Dichloropropene	μ <u>ε/1</u> μ <u>ε/l</u>	<0.5	0.5
652	Trans-1,3-Dichloropropene	μ <u>μ</u> χ/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	μ <u>g</u> /l	<0.5	1
654	Acrolein	μ <u>g</u> /l	<2	
655	Acrylonitrile	μg/l μg/l	<2	
662	Methyl Tertiary Butyl Ether	μ <u>g</u> /1 μ <u>g</u> /l	<0.5	·
002	ANNUAL MRP PARAMETERS	με/ι	~0.3	
TEST		UNIT	MARCH	LIMIT
- 0.45	(ACID EXTRACTIBLES)			
845	2-Chlorophenol	μ <u>g/l</u>	<5	
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	μg/l	<2	4.00
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	μg/l	<10	
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS		T	
IESI	(BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	ug/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	ug/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	μg/l	<10	···
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	<0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	ug/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	<del></del>
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	<u>μg/1</u>	<0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	<0.0000049	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

**TABLE 4.39** 

#### **2004 QUARTERLY DATA**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	SEPTEMBER	OCTOBER	Average	Max	Min	LIMIT
181	рН	0-14	7.69	8.18	7.75	N/A	7.87	8.18	7.69	
182	Temperature	°C	22.25	22.29	20.85	N/A	21.80	22.29	20.85	
183	Dissolved Oxygen	mg/l	2.65	2.21	2.70	N/A	2.52	2.70	2.21	
184	Electrical Conductivity	μmhos/cm	457.4	451	323	N/A	410	457.4	323	1600 <sup>1</sup>
900	Depth to Groundwater	ft	330.79	331.12	331.35	N/A	331.09	330.79	331.12	
155	Total Dissolved Solids	mg/l	275	278	262	N/A	272	278	262	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	N/A	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	0.2	<0.2	N/A	<0.2	0.2	<0.2	
204	Nitrate	mg-N/I	6.68	5.88	4.92	N/A	5.83	6.68	4.92	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	N/A	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	33.5	30.4	28.7	N/A	30.9	33.5	28.7	500 <sup>4</sup>
301	Chloride	mg/l	34.1	32.2	29.7	N/A	32.0	34.1	29.7	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	1100	NA NA	3680	620	1800	3680	620	
723	Sodium	mg/l	40.6	34.3	40.9	N/A	38.6	40.9	34.3	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term
<sup>2</sup> 500 recommended / 1000 upper / 1500 short term
<sup>3</sup> Nitrate+Nitrite = 10
<sup>4</sup> 250 recommended / 500 upper / 600 short term

NA - Not Analyzed

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(MISCELLANEOUS)			
C15 206	Total Petroleum Hydrocarbons Total Cyanides	μg/l	<60	200
312	Total Phenols	μ <u>g/l</u> μ <u>g</u> /l	<5 41	200
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	45.8	
704	Magnesium	mg/l	6.2	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.055	1
707	Aluminum	mg/l	0.18	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	< 0.01	0.05
711	Cobalt	mg/l	< 0.01	
712	Copper	mg/l	< 0.008	1
713	Iron	mg/l	0.169	0.3
714	Lead	mg/l	< 0.002	
716 717	Manganese	mg/l	<0.005	0.05
717	Mercury	mg/l	<0.00004	0.002
718	Nickel Detection	mg/l	<0.02	0.1
720	Potassium Selenium	mg/l	<10 <0.001	0.05
$-\frac{720}{722}$	Silver	mg/l		0.05
724	Zinc	mg/l mg/l	<0.0002 0.016	<u>0.1</u> 5
725	Antimony	mg/l	<0.0005	0.006
726	Beryllium	mg/l	<0.0005	0.004
732	Molybdenum	mg/l	<0.0003	0.004
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	<0.02	0.002
	ANNUAL MRP PARAMETERS			
TEST	(PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	PP'-DDE	μg/1	< 0.01	
504	PP'-DDD	μg/l	< 0.01	
506	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	μg/l	< 0.01	
509	Lindane (Gamma-BHC)	μg/l	< 0.01	0.2
510	Heptachlor	μg/l	< 0.01	0.01
511	Heptachlor Epoxide	μg/l	< 0.01	0.01
512	Aldrin	μg/l	< 0.01	
513	Dieldrin	μg/l	< 0.01	
514	Endrin	μg/l	< 0.01	2
515	Toxaphene	μg/l	<0.5	3
519	Aroclor 1242	μg/l	< 0.1	
520	Aroclor 1254	μg/l	< 0.05	
523 524	Beta-BHC	μ <u>ρ/l</u>	<0.01	
524 531	Delta-BHC	μ <u>g/l</u>	<0.01	
532	Endosulfan I Endosulfan II	μ <u>g/l</u>	<0.01	
533	Endosulfan fil	μg/l	<0.01 <0.1	
534	Endrin Aldehyde	μg/l μg/l	<0.01	
535	Aroclor 1016	μ <u>g/l</u> μ <u>g/l</u>	<0.01	0.5
			<0.1	0.5
	Aroclor 1221	1 110/1		
536	Aroclor 1221 Aroclor 1232	μg/l		
	Aroclor 1232	μg/l	< 0.1	0.5
536 537				

#### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	FIRITOR	MARGH	LIMIT
IESI	(VOLATILE ORGANICS)	UNIT	MARCH	LIMIT
601	Methylene Chloride	μg/l	< 0.5	
602	Chloroform	μg/l	< 0.5	
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l	< 0.5	0.5
605	1,1-Dichloroethene	μg/l	<0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μg/l	0.6	5
608	Bromodichloromethane	μg/l	<0.5	
609	Dibromochloromethane	µg/l	< 0.5	
610	Bromoform	<u>μg/l</u>	< 0.5	
611	Chlorobenzene	μg/l	< 0.5	70
612	Vinyl Chloride	ug/l	< 0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	< 0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	< 0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	< 0.5	5
616	1,1-Dichloroethane	μg/l	< 0.5	5
618	1,1,2-Trichloroethane	μg/l	< 0.5	5
619	1,2-Dichloroethane	μg/l	< 0.5	0.5
620	Benzene	μg/l	< 0.5	11
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	< 0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	< 0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	< 0.5	
TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(ACID EXTRACTIBLES)	- 01111	MARCH	
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	μg/l	<10	
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene .	μg/ <u>l</u>	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/ <b>i</b>	< 0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	ug/l	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	<0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l_	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	ug/l	<5	-
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μ <u>g</u> /l	<5	
828	Di-n-Octyl Phthalate	ug/i	<10	
829	1,2-Diphenylhydrazine	μ <u>g/l</u>	<10	
830	Fluoranthene	μg/I μg/I	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	ug/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μ <u>g/l</u>	<1	
836	Indeno(1,2,3-c,d)pyrene	μ <u>g</u> /1	<0.02	
837	Isophorone	μ <u>g/1</u> μ <u>g/l</u>	<1	
838		μg/1	<del>                                     </del>	
839	Naphthalene Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
840 841		μg/l	<5	***************************************
841	n-Nitrosodi-n-propylamine	μg/l		
	Phenanthrene	μg/l	<5	
843 844	Pyrene	μg/l	<10	0.00003
	2,3,7,8-TCDD	μg/l	<0.0000033	0.00003
846 857	1,2,4-Trichlorobenzene n-Nitrosodiphenylamine	μg/l μg/l	<5 <1	70

**TABLE 4.41** 

#### **2004 QUARTERLY DATA**

#### **MONITORING WELL MW26**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	SEPTEMBER	DECEMBER	Average	Max	Min	LIMIT
1S1	рН	0-14	7.31	7.32	7.44	7.51	7.40	7.51	7.31	
1S2	Temperature	°C	17.51	18.44	17.55	17.25	17.69	18.44	17.25	
1S3	Dissolved Oxygen	mg/l	2.33	4.39	3.19	6.30	4.05	6.30	2.33	<del></del>
154	Electrical Conductivity	μmhos/cm	414.2	1107	465	314	575	1107	314	1600 <sup>1</sup>
900	Depth to Groundwater	ft	315.45	320.40	NA	320.42	318.76	320.42	315.45	
155	Total Dissolved Solids	mg/l	224	258	280	277	260	280	224	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	<0.2	<0.2	0.28	<0.2	0.28	<0.2	
204	Nitrate	mg-N/l	6.01	5.51	6.32	6.24	6.02	6.32	5.51	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	37.9	34.6	39.2	36.1	37.0	39.2	34.6	500 <sup>4</sup>
301	Chloride	mg/l	27.0	31.7	36.8	32.3	32.0	36.8	27.0	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	510	870	780	600	690	870	510	
723	Sodium	mg/l	22.2	19.4	20.4	17.9	20.0	22.2	17.9	

NA - Not Analyzed

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term

#### 2004 ANNUAL DATA

ÆEC#	ANNUAL MRP PARAMETERS		1	
TEST	(MISCELLANEOUS)	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	µg/l	<60	
206	Total Cyanides	μg/l	<5_	200
312	Total Phenols	μg/l	<11	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	45.9	
704	Magnesium	mg/l	9.3	
705 706	Arsenic	mg/l	<0.001	0.05
70 <del>0</del> 707	Barium Aluminum	mg/l	0.064	<u> </u>
708	Cadmium	mg/l mg/l	0.05 <0.0004	0.005
709	Total Chromium	mg/l	<0.004	0.003
711	Cobalt	mg/l	<0.01	0.05
712	Copper	mg/l	<0.008	1
713	Iron	mg/l	<0.05	0.3
714	Lead	mg/l	< 0.002	
716	Manganese	mg/l	< 0.005	0.05
717	Mercury	mg/l	< 0.00004	0.002
718	Nickel	mg/l	< 0.02	0.1
719	Potassium	mg/l	<10	
720	Selenium	mg/l	< 0.001	0.05
722	Silver	mg/l	<0.0002	0.1
724	Zinc	mg/l	0.015	5
72 <u>5</u> 726	Antimony	mg/l	<0.0005	0.006
732	Beryllium Molybdenum	mg/l	<0.0005	0.004
734	Thallium	mg/l	<0.04	0.000
737	Vanadium	mg/l mg/l	<0.001 <0.02	0.002
	ANNUAL MRP PARAMETERS	Ing/I	<u> </u>	
TEST	(PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	PP'-DDE	μg/l	<0.01	·,
504	PP'-DDD	μg/l μg/l	<0.01	
506	PP'-DDT	μ <u>g/l</u>	<0.01	
508	Alpha-BHC	μg/l	< 0.01	
509	Lindane (Gamma-BHC)	μg/l	<0.01	0.2
510	Heptachlor	μg/l	< 0.01	0.01
511	Heptachlor Epoxide	μg/l	<0.01	0.01
512	Aldrin	μg/l	< 0.01	
513	Dieldrin   Control   Contr	μg/l	< 0.01	
514 515	Endrin	μg/l	<0.01	2
519	Toxaphene Aroclor 1242	<u>це/l</u>	<0.5	3
520	Aroclor 1242 Aroclor 1254	μg/l	<0.1	
523	Beta-BHC	μ <u>g/l</u>	<0.05	<del></del>
524	Delta-BHC	μg/l μg/l	<0.01	
531	Endosulfan I	μ <u>g</u> /l	<0.01	
532	Endosulfan II	μg/l	<0.01	
533	Endosulfan Sulfate	μ <u>g</u> /1	<0.01	
534	Endrin Aldehyde	μg/l	<0.01	
535	Aroclor 1016	μg/l	<0.1	0.5
536	Aroclor 1221	μg/l	< 0.1	0.5
537	Aroclor I232	μg/l	< 0.1	0.5
538	Aroclor 1248	μg/l	< 0.1	0.5
539	Aroclor 1260	μg/l	< 0.1	0.5
540	Technical Chlordane	μg/l	< 0.05	0.1

# 2004 ANNUAL DATA

mr.cm	ANNUAL MRP PARAMETERS	TINITE	MARCH	LIMIT
TEST	(VOLATILE ORGANICS)	UNIT	MARCH	LIMIT
601	Methylene Chloride	μg/l	< 0.5	
602	Chloroform	μg/l	<0.5	
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l	<0.5	0.5
605	1,1-Dichloroethene	μg/l	< 0.5	6
606	Trichloroethylene	μg/l	< 0.5	5
607	Tetrachloroethylene	μ <b>g/</b> l	< 0.5	5
608	Bromodichloromethane	μg/l	< 0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	<0.5	
611	Chlorobenzene	μg/l	<0.5	70
612	Vinyl Chloride	μg/l	< 0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	< 0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	< 0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	με/l	< 0.5	5
616	1,1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μg/l	< 0.5	5
619	1,2-Dichloroethane	μg/l	< 0.5	0.5
620	Benzene	μg/l	< 0.5	1
621	Toluene	μg/l	< 0.5	150
624	Ethyl Benzene	μg/l	< 0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	< 0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	< 0.5	
649	Chloromethane	μg/l	< 0.5	
650	1,2-Dichloropropane	μg/l	<0.5	5
651	Cis-1,3-Dichloropropene	μg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5	11
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/i	<2	
662	Methyl Tertiary Butyl Ether	μg/l	< 0.5	
TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
IESI	(ACID EXTRACTIBLES)	UNII	MARCH	LIMIT
845	2-Chlorophenol	<u>μ</u> g/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	<del></del>
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	μg/l	<10	
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	µg/I	<1	
856	2,4,6-Trichlorophenol	ug/l	<10	

# 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(BASE/NEUTRAL EXTRACTIBLES)			
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	<del></del>
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	<0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	W. W. P. S.
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	< 0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μ <u>g</u> /l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	ug/l	<10	
826	2.4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	μ <u>β/1</u>	<0.02	
837	Isophorone	<u>дд/1</u> дд/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μ <u>μ</u> μμ	<5	
841	n-Nitrosodin-propylamine	μg/l	<5	
842	Dhononthrono		<5	
842 843	Phenanthrene	μg/l		
	Pyrene	μg/l	<10	0.00002
844	2,3,7,8-TCDD	μ <u>ρ/l</u>	<0.000003	0.00003
846 857	1,2,4-Trichlorobenzene n-Nitrosodiphenylamine	μg/l μg/l	<5 <1	70

**TABLE 4.43** 

#### **2004 QUARTERLY DATA**

#### **MONITORING WELL MW27**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	SEPTEMBER	DECEMBER	Average	Max	Min	LIMIT
1S1	рН	0-14	7.52	7.49	7.76	7.57	7.59	7.76	7.49	
1S2	Temperature	°C	17.55	17.53	17.53	17.52	17.53	17.55	17.52	:
1S3	Dissolved Oxygen	mg/l	3.01	2.98	1.59	8.51	4.02	8.51	1.59	
184	Electrical Conductivity	μmhos/cm	292.8	298	310	454	339	454	292.8	1600 ¹
900	Depth to Groundwater	ft	315.20	321.20	NA	321.14	319.18	321.20	315.20	
155	Total Dissolved Solids	mg/l	174	191	195	195	189	195	174	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
203	Kjeldahl Nitrogen	mg-N/l	<0.2	<0.2	<0.2	0.42	<0.3	0.42	<0.2	
204	Nitrate	mg-N/l	2.19	1.76	2.73	1.47	2.04	2.73	1.76	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	25.9	21.6	25.6	24.9	24.5	25.9	21.6	500 <sup>4</sup>
301	Chloride	mg/l	12.2	11.7	15.4	12.7	13.0	15.4	11.7	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	1470	580	570	<780	1470	<500	
723	Sodium	mg/l	20.3	14.8	17.3	15.7	17.0	20.3	14.8	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10

NA - Not Analyzed

<sup>&</sup>lt;sup>4</sup> 250 recommended / 500 upper / 600 short term

#### 2004 ANNUAL DATA

	ANNUAL MRP PARAMETERS	1		
TEST	(MISCELLANEOUS)	UNIT	MARCH	LIMIT
C15	Total Petroleum Hydrocarbons	ug/l	<60	
206	Total Cyanides	μg/l	<5	200
312	Total Phenols	μg/l	<12	
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	32.7	
704	Magnesium	mg/l	6.7	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.047	1
707	Aluminum	mg/l	0.05	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	<0.01	0.05
711	Cobalt	mg/l	< 0.01	
712	Copper	mg/l	< 0.008	1
713	Iron	mg/l	0.057	0.3
714	Lead	mg/l	< 0.002	
716 717	Manganese	mg/l	0.008	0.05
718	Mercury Nickel	mg/l	<0.00004	0.002
718		mg/l	<0.02	0.1
720	Potassium	mg/l	<10	0.05
720	Selenium Silver	mg/l	0.0012	0.05
724	Zinc	mg/l	<0.0002	0.1
725	Antimony	mg/l	0.021	5
726	Beryllium	mg/l	<0.0005	0.006
732	Molybdenum	mg/l	<0.0005	0.004
734	Thallium	mg/l	<0.04	0.002
<del>734</del>	Vanadium	mg/l	<0.001 <0.02	0.002
131	ANNUAL MRP PARAMETERS	mg/l	<0.02	
TEST	(PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	PP'-DDE	/1	<0.01	
504	PP'-DDD	μg/l		
506				
	PP'_DDT	μg/l	<0.01	
	PP'-DDT Alpha-BHC	μg/l	<0.01	
508	Alpha-BHC	μg/l μg/l	<0.01 <0.01	0.7
508 509	Alpha-BHC Lindane (Gamma-BHC)	μg/l μg/l μg/l	<0.01 <0.01 <0.01	0.2
508 509 510	Alpha-BHC Lindane (Gamma-BHC) Heptachlor	µg/l µg/l µg/l µg/l	<0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide	μg/l μg/l μg/l μg/l μg/l	<0.01 <0.01 <0.01 <0.01 <0.01	
508 509 510 511 512	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin	με/l με/l με/l με/l με/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide	ng/l ng/l ng/l ng/l ng/l ng/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511 512 513	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin	ng/l  ng/l  ng/l  ng/l  ng/l  ng/l  ng/l  ng/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511 512 513 514	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin	ug/l  ug/l  ug/l  ug/l  ug/l  ug/l  ug/l  ug/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05	0.01
508 509 510 511 512 513 514 515	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242	με/l με/l με/l με/l με/l με/l με/l με/l	<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511 512 513 514 515 519 520 523	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05	0.01
508 509 510 511 512 513 514 515 519 520 523 524	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05	0.01
508 509 510 511 512 513 514 515 519 520 523 524 531	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.1 <0.05 <0.01 <0.05	0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.05 <0.01 <0.01 <0.05 <0.01 <0.01 <0.05	0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.05 <0.01 <0.01 <0.05 <0.01 <0.01 <0.05	0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536 537	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01 2 3
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536 537 538	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1221 Aroclor 1232 Aroclor 1232 Aroclor 1248		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01 2 3
508 509 510 511 512 513 514 515 519 520 523 524 531 532 533 534 535 536 537	Alpha-BHC Lindane (Gamma-BHC) Heptachlor Heptachlor Epoxide Aldrin Dieldrin Endrin Toxaphene Aroclor 1242 Aroclor 1254 Beta-BHC Delta-BHC Endosulfan I Endosulfan II Endosulfan Sulfate Endrin Aldehyde Aroclor 1016 Aroclor 1221 Aroclor 1232		<0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.01 0.01 2 3 3 0.5 0.5 0.5

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
IESI	(VOLATILE ORGANICS)	ONT		
601	Methylene Chloride	μg/l	<0.5	
602	Chloroform	μg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	μg/l	<0.5	0.5
605	1,1-Dichloroethene	μg/l	<0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	μg/l	<0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	<0.5	
611	Chlorobenzene	μg/l	<0.5	70
612	Vinyl Chloride	μg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	< 0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μg/l	<0.5	5
619	1,2-Dichloroethane	μg/l	<0.5	0.5
620	Benzene	μg/l	<0.5	1
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	<0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	<0.5	
648	2-Chloroethylvinylether	μg/l	<0.5	
649	Chloromethane	μg/l	< 0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	< 0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	<0.5	
mnam	ANNUAL MRP PARAMETERS	TINKE	MARCH	LIMIT
TEST	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	µg/l_	<10	
852	4-Nitrophenol	ug/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(BASE/NEUTRAL EXTRACTIBLES)			
800	Acenaphthene	μg/l_	<1	
801	Acenaphthylene	μg/l_	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	_μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	<0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	
810	Bis(2-Chloroethyl)ether	μg/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	
815	2-Chloronaphthalene	_μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	< 0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	ug/l	<0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	ug/l	<1	
840	n-Nitrosodimethylamine	ug/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μg/l	<10	
844	2,3,7,8-TCDD	μg/l	< 0.0000026	0.00003
846	1,2,4-Trichlorobenzene	μg/l	<5	70
857	n-Nitrosodiphenylamine	μ <u>g</u> /l	<1	

**TABLE 4.45** 

### **MONITORING WELL MW28**

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	JUNE	SEPTEMBER	NOVEMBER	Average	Max	Min	LIMIT
181	рН	0-14	8.21	7.56	7.97	7.18	7.73	8.21	7.18	
1S2	Temperature	°C	18.97	20.04	18.87	18.90	19.20	20.04	18.87	-
183	Dissolved Oxygen	mg/l	4.43	1.32	3.90	4.04	3.42	4.43	1.32	
1S4	Electrical Conductivity	mmhos/cm	456.6	488	385	465	449	488	385	1600 1
900	Depth to Groundwater	ft	312.45	337.90	NA	309.32	319.89	337.90	309.32	
155	Total Dissolved Solids	mg/l	271	294	322	334	305	334	271	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
204	Nitrate	mg-N/l	5.49	5.56	6.82	9.99	6.97	9.99	5.49	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.2	<0.02	<0.02	<0.07	<0.2	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	45.5	44.8	43.6	46.4	45.1	46.4	43.6	500 <sup>4</sup>
301	Chloride	mg/l	43	45.0	44.5	47.5	45	47.5	43	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	mg/l	520	670	620	650	615	670	520	
723	Sodium	mg/l	31.5	31.6	32.6	20.4	29.0	32.6	20.4	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
C15	(MISCELLANEOUS)  Total Petroleum Hydrocarbons	/1	-50	
206	Total Cyanides	μg/l μg/l	<50 <5	200
312	Total Phenols	μg/l	<11	200
TEST	ANNUAL MRP PARAMETERS (METALS)	UNIT	MARCH	LIMIT
703	Calcium	mg/l	50.4	
704	Magnesium	mg/l	5.5	
705	Arsenic	mg/l	< 0.001	0.05
706	Barium	mg/l	0.056	1
707	Aluminum	mg/l	< 0.05	1
708	Cadmium	mg/l	< 0.0004	0.005
709	Total Chromium	mg/l	<0.01	0.05
711	Cobalt	mg/l	<0.01	
712	Copper	mg/l	<0.008	11
713	Iron	mg/l	0.057	0.3
714 716	Lead	mg/l	<0.002	0.05
717	Manganese Mercury	mg/l	<0.005 <0.00004	0.05
718	Nickel	mg/l mg/l	<0.0004	0.002
719	Potassium	mg/l	<10	0.1
720	Selenium	mg/l	<0.001	0.05
722	Silver	mg/l	<0.0001	0.03
724	Zinc	mg/l	0.0002	5
725	Antimony	mg/l	<0.0005	0.006
726	Beryllium	mg/l	<0.0005	0.004
732	Molybdenum	mg/l	<0.04	0.004
734	Thallium	mg/l	< 0.001	0.002
737	Vanadium	mg/l	<0.02	· · · · · · · · · · · · · · · · · · ·
WE CO	ANNUAL MRP PARAMETERS			
TEST	(PESTICIDES & PCBs)	UNIT	MARCH	LIMIT
502	PP'-DDE	μg/l	<0.01	AUGUST CO.
504	PP'-DDD	μg/l	< 0.01	
506	PP'-DDT	μg/l	< 0.01	
508	Alpha-BHC	μg/l	< 0.01	· · · · · ·
509	Lindane (Gamma-BHC)	μg/l	< 0.01	0.2
510	Heptachlor	μg/l	< 0.01	0.01
511	Heptachlor Epoxide	μg/l	< 0.01	0.01
512	Aldrin	μg/l	< 0.01	
513	Dieldrin	μg/l	<0.01	
514	Endrin	μg/l	< 0.01	2
515	Toxaphene	μg/l	<0.5	3
519 520	Aroclor 1242	μ <u>g/l</u>	<0.1	
523	Aroclor 1254	μg/l	<0.05	
524	Beta-BHC Delta-BHC	μg/l	<0.01	
531	Endosulfan I	μg/l	<0.01 <0.01	
532	Endosulfan II	μ <u>g</u> /l μg/l	<0.01	<u></u>
533	Endosulfan Sulfate	μg/l μg/l	<0.01	
534	Endrin Aldehyde	μg/l μg/l	<0.01	<del></del>
535	Aroclor 1016	μg/l	<0.1	0.5
	Aroclor 1221	110/1	<()	U.S
536	Aroclor 1221 Aroclor 1232	μ <u>g/l</u> μg/l	<0.1	0.5
	Aroclor 1232	μg/l_	<0.1	0.5
536 537				

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(VOLATILE ORGANICS)	UNII	MAKCH	LIMIT
601	Methylene Chloride	μg/l	< 0.5	
602	Chloroform	μg/l	<0.5	
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l	< 0.5	0.5
605	1,1-Dichloroethene	μg/l	< 0.5	_6
606	Trichloroethylene	μg/l	< 0.5	5
607	Tetrachloroethylene	μg/l	< 0.5	5
608	Bromodichloromethane	μg/l	< 0.5	
609	Dibromochloromethane	μg/l	< 0.5	
610	Bromoform	μg/l	< 0.5	
611	Chlorobenzene	μg/l	< 0.5	70
612	Vinyl Chloride	μg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	< 0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1,1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μg/l	<0.5	_ 5
619	1,2-Dichloroethane	μg/l	<0.5	0.5
620	Benzene	μg/l	<0.5	1
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	<0.5	10
646	Bromomethane	μg/l	< 0.5	
647	Chloroethane	μg/l	< 0.5	
648	2-Chloroethylvinylether	μg/l	<0.5	
649	Chloromethane	μg/l	< 0.5	
650	1,2-Dichloropropane	μg/l	< 0.5	5
651	Cis-1,3-Dichloropropene	μg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	<0.5	
TEST	ANNUAL MRP PARAMETERS	LINUTE	MARGU	1 11 417
1631	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	·
848	2,4-Dimethylphenol	μg/l	<2	
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	ug/l	<5	
851	2-Nitrophenol	μg/l	<10	
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	
854	Pentachlorophenol	μg/l	<5	<u></u>
855	Phenol	μg/l	<1	
856	2,4,6-Trichlorophenol	μg/l	<10	

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (BASE/NEUTRAL EXTRACTIBLES)	UNIT	MARCH	LIMIT
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	<del></del>
805	Benzopyrene	μg/l	<0.02	0.2
806	Benzo(b)fluoranthene	μg/l	< 0.02	
807	1,12-Benzoperylene	ug/l	<5	
808	Benzo(k)fluoranthene	ug/l	< 0.02	
809	Bis(2-chloroethoxy)methane	ug/l	<5	
810	Bis(2-Chloroethyl)ether	ug/l	<1	
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	2.4	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l	<10	· · · · · · · · · · · · · · · · · · ·
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	<0.02	· · · · · · · · · · · · · · · · · · ·
818	1,2,5,6-Dibenzanthracene	μg/l	<0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1.4-Dichlorobenzene	μg/l	<1	
822	3.3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	ug/l	<2	
824	Dimethyl Phthalate	μg/l	<2	<del></del>
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2.4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	μg/l	<10	······································
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	ug/l	<0.02	
837	Isophorone	ug/l	<1	
838	Naphthalene	μg/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μ <u>ε</u> /l	<5	
842	Phenanthrene	ug/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	ug/l	<0.0000032	0.00003
846	11.2.4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

**TABLE 4.47** 

TEST	QUARTERLY MRP PARAMETERS	UNIT	MARCH	APRIL	Average	Max	Min	LIMIT
1S1	рН	0-14	7.69	8.38	8.04	8.38	7.69	
1S2	Temperature	°C	21.01	21.20	21.11	21.20	21.01	
1S3	Dissolved Oxygen	mg/l	2.91	1.05	1.98	2.91	1.05	
1S4	Electrical Conductivity	μmhos/cm	206	195	201	206	195	1600 <sup>1</sup>
900	Depth to Groundwater	ft	310.25	317.70	313.98	317.70	310.25	
155	Total Dissolved Solids	mg/l	125	159	142	159	125	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	1.1	<0.2	<0.7	1.1	<0.2	
204	Nitrate	mg-N/l	0.42	0.37	0.40	0.42	0.37	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	17.7	17.3	17.5	17.7	17.3	500 <sup>4</sup>
301	Chloride	mg/l	1.0	4.4	2.7	4.4	1.0	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	NA	NA	NA	NA	0.50
405	Total Organic Carbon	μg/l	<500	NA	NA	NA	NA	
723	Sodium	mg/l	26.6	16.9	21.8	26.6	16.9	

<sup>&</sup>lt;sup>2</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term

NA - Not Analyzed

### 2004 ANNUAL DATA

MISCELLANEOUS   Magnesium   Magnesium	<pre>&lt;60 </pre> <pre>&lt;5 </pre> <pre>&lt;11 MARCH  19 1.7 &lt;0.001 0.027 0.15 &lt;0.0004 &lt;0.01 &lt;0.008 0.16 &lt;0.002 0.016 &lt;0.0004 &lt;0.0004 &lt;0.00004 &lt;0.00004 &lt;0.00004 &lt;0.00004 &lt;0.00004 &lt;0.00004 &lt;0.00004 &lt;0.00004 &lt;0.00004 &lt;0.000004 &lt;0.00000004 &lt;0.0001 &lt;0.0001</pre>	200  LIMIT  0.05 1 1 0.005 0.05 0.05  1 0.3  0.05 0.002 0.1  0.05
206	<11 MARCH  19 1.7 <0.001 0.027 0.15 <0.0004 <0.01 <0.008 0.16 <0.002 0.016 <0.00004 <0.00004 <0.001 <0.00004 <0.001 <0.00004 <0.00004 <0.00004 <0.00004 <0.00004 <0.00004 <0.000004 <0.000004 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001	0.05 1 1 0.005 0.05 0.05 1 0.3 0.05 0.002 0.1
TEST	MARCH  19 1.7 <0.001 0.027 0.15 <0.0004 <0.01 <0.008 0.16 <0.002 0.016 <0.0004 <0.00004 <0.001 <0.001 <0.001	0.05 1 1 0.005 0.05 1 0.3 0.05 0.002 0.1
703         Calcium         mg/l           704         Magnesium         mg/l           705         Arsenic         mg/l           706         Barium         mg/l           707         Aluminum         mg/l           708         Cadmium         mg/l           709         Total Chromium         mg/l           710         Copper         mg/l           711         Cobalt         mg/l           712         Copper         mg/l           713         Iron         mg/l           714         Lead         mg/l           716         Manganese         mg/l           717         Mercury         mg/l           718         Nickel         mg/l           719         Potassium         mg/l           720         Selenium         mg/l           722         Silver         mg/l           723         Jantimony         mg/l           724         Zinc         mg/l           732         Molybdenum         mg/l           733         Molybdenum         mg/l           734         Thallium         mg/l           737	19 1.7 <0.001 0.027 0.15 <0.0004 <0.01 <0.008 0.16 <0.0002 0.016 <0.00004 <0.002 10 <0.001 <0.001	0.05 1 1 0.005 0.05 1 0.3 0.05 0.002 0.1
Total	1.7 <0.001 0.027 0.15 <0.0004 <0.01 <0.008 0.16 <0.002 0.016 <0.00004 <0.00004 <0.00004 <0.00004 <0.00004 <0.00004 <0.000004 <0.00000004 <0.0001 <0.0001 <0.0001	1 0.005 0.05 1 0.3 0.05 0.002 0.1
704   Magnesium   mg/l   705   Arsenic   mg/l   706   Barium   mg/l   mg/l   707   Aluminum   mg/l   mg/l   708   Cadmium   mg/l   mg/l   709   Total Chromium   mg/l   mg/l   711   Cobalt   mg/l   mg/l   712   Copper   mg/l   mg/l   713   Iron   mg/l   mg/l   714   Lead   mg/l   716   Manganese   mg/l   717   Mercury   mg/l   718   Nickel   mg/l   719   Potassium   mg/l   719   Potassium   mg/l   720   Selenium   mg/l   720   Selenium   mg/l   721   Zinc   mg/l   722   Silver   mg/l   724   Zinc   mg/l   725   Antimony   mg/l   726   Beryllium   mg/l   732   Molybdenum   mg/l   733   Molybdenum   mg/l   734   Thallium   mg/l   737   Vanadium   mg/l   737   Vanadium   mg/l   737   Vanadium   mg/l   504   PP'-DDD   μg/l   506   PP'-DDT   μg/l   508   Alpha-BHC   μg/l   509   Lindane (Gamma-BHC)   μg/l   510   Heptachlor   Epoxide   μg/l   511   Heptachlor   Epoxide   μg/l   512   Aldrin   μg/l   514   Endrin   μg/l   515   Endrin   μg/l   516   Endrin	<0.001 0.027 0.15 <0.0004 <0.01 <0.008 0.16 <0.002 0.016 <0.00004 <0.00004 <0.00004 <0.00004 0.000004 <0.0000004 0.0000000000	1 0.005 0.05 1 0.3 0.05 0.002 0.1
Total Cadmium	0.027 0.15 <0.0004 <0.01 <0.01 <0.008 0.16 <0.002 0.016 <0.00004 <0.02 <10 <0.001 <0.001 <0.001	1 0.005 0.05 1 0.3 0.05 0.002 0.1
707         Aluminum         mg/l           708         Cadmium         mg/l           709         Total Chromium         mg/l           711         Cobalt         mg/l           712         Copper         mg/l           713         Iron         mg/l           714         Lead         mg/l           716         Manganese         mg/l           717         Mercury         mg/l           718         Nickel         mg/l           719         Potassium         mg/l           720         Selenium         mg/l           722         Silver         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           726         Beryllium         mg/l           732         Molybdenum         mg/l           733         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           502         PP'-DDE         µg/l           504         PP'-DDD         µg/l           505         PP'-DDT         µg/l           508	0.15 <0.0004 <0.01 <0.01 <0.008 0.16 <0.002 0.016 <0.00004 <0.00004 <0.001 <0.001 <0.001 <0.001	1 0.005 0.05 1 0.3 0.05 0.002 0.1
708         Cadmium         mg/l           709         Total Chromium         mg/l           711         Cobalt         mg/l           712         Copper         mg/l           713         Iron         mg/l           714         Lead         mg/l           716         Manganese         mg/l           717         Mercury         mg/l           718         Nickel         mg/l           719         Potassium         mg/l           720         Selenium         mg/l           721         Silver         mg/l           722         Silver         mg/l           723         Antimony         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           732         Molybdenum         mg/l           733         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           TEST         (PESTICIDES & PCBs)           502         PP'-DDE         µg/l           504         PP'-DDD         µg/l           508         Al	<0.0004 <0.01 <0.008 0.16 <0.002 0.016 <0.00004 <0.00004 <0.001 <0.001 <0.001 <0.001 <0.0013	0.05 1 0.3 0.05 0.002 0.1
Total Chromium   mg/l	<0.01 <0.008 0.16 <0.002 0.016 <0.00004 <0.02 <10 <0.001 <0.0001 <0.0002 0.013	0.05 1 0.3 0.05 0.002 0.1
711         Copper         mg/l           712         Copper         mg/l           713         Iron         mg/l           714         Lead         mg/l           716         Manganese         mg/l           717         Mercury         mg/l           718         Nickel         mg/l           719         Potassium         mg/l           720         Selenium         mg/l           722         Silver         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           726         Beryllium         mg/l           732         Molybdenum         mg/l           733         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           TEST         (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         μg/l           504         PP'-DDT         μg/l           508         Alpha-BHC         μg/l           509         Lindane (Gamma-BHC)         μg/l           510         Heptachlor         μg/l	<0.01 <0.008 0.16 <0.002 0.016 <0.00004 <0.02 <10 <0.001 <0.0002 0.013	1 0.3 0.05 0.002 0.1
712         Copper         mg/l           713         Iron         mg/l           714         Lead         mg/l           716         Manganese         mg/l           717         Mercury         mg/l           718         Nickel         mg/l           719         Potassium         mg/l           720         Selenium         mg/l           722         Silver         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           726         Beryllium         mg/l           732         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           TEST         (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         μg/l           504         PP'-DDD         μg/l           504         PP'-DDT         μg/l           508         Alpha-BHC         μg/l           509         Lindane (Gamma-BHC)         μg/l           510         Heptachlor         μg/l           511         Heptachlor Epoxide         μg/l	<0.008 0.16 <0.002 0.016 <0.00004 <0.02 <10 <0.001 <0.0002 0.013	0.3 0.05 0.002 0.1
713         Iron         mg/l           714         Lead         mg/l           716         Manganese         mg/l           717         Mercury         mg/l           718         Nickel         mg/l           719         Potassium         mg/l           720         Selenium         mg/l           722         Silver         mg/l           722         Zinc         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           726         Beryllium         mg/l           731         Molybdenum         mg/l           732         Molybdenum         mg/l           733         Vanadium         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           TEST         (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         μg/l           504         PP'-DDT         μg/l           508         Alpha-BHC         μg/l           509         Lindane (Gamma-BHC)         μg/l           510         Heptachlor         μg/l	0.16 <0.002 0.016 <0.00004 <0.02 <10 <0.001 <0.0002 0.013	0.3 0.05 0.002 0.1
714         Lead         mg/l           716         Manganese         mg/l           717         Mercury         mg/l           718         Nickel         mg/l           719         Potassium         mg/l           720         Selenium         mg/l           722         Silver         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           732         Molybdenum         mg/l           733         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           TEST         ANNUAL MRP PARAMETERS         UNIT           502         PP'-DDE         μg/l           504         PP'-DDD         μg/l           504         PP'-DDD         μg/l           508         Alpha-BHC         μg/l           509         Lindane (Gamma-BHC)         μg/l           510         Heptachlor         μg/l           511         Heptachlor Epoxide         μg/l           512         Aldrin         μg/l           513         Dieldrin         μg/l	<0.002 0.016 <0.00004 <0.02 <10 <0.001 <0.0002 0.013	0.05 0.002 0.1
716         Manganese         mg/l           717         Mercury         mg/l           718         Nickel         mg/l           719         Potassium         mg/l           720         Selenium         mg/l           722         Silver         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           726         Beryllium         mg/l           732         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           TEST         ANNUAL MRP PARAMETERS         UNIT           502         PP'-DDE         μg/l           504         PP'-DDD         μg/l           504         PP'-DDT         μg/l           508         Alpha-BHC         μg/l           509         Lindane (Gamma-BHC)         μg/l           510         Heptachlor         μg/l           511         Heptachlor Epoxide         μg/l           512         Aldrin         μg/l           513         Dieldrin         μg/l           514         Endrin         μg/l	0.016 <0.00004 <0.02 <10 <0.001 <0.0002 0.013	0.002 0.1
717         Mercury         mg/l           718         Nickel         mg/l           719         Potassium         mg/l           720         Selenium         mg/l           722         Silver         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           726         Beryllium         mg/l           732         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           TEST         ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         µg/l           504         PP'-DDD         µg/l           505         PP'-DDT         µg/l           508         Alpha-BHC         µg/l           509         Lindane (Gamma-BHC)         µg/l           510         Heptachlor         µg/l           511         Heptachlor Epoxide         µg/l           512         Aldrin         µg/l           513         Dieldrin         µg/l           514         Endrin         µg/l	<0.00004 <0.02 <10 <0.001 <0.0002 0.013	0.002 0.1
718         Nickel         mg/l           719         Potassium         mg/l           720         Selenium         mg/l           722         Silver         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           726         Beryllium         mg/l           732         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         µg/l           504         PP'-DDD         µg/l           506         PP'-DDT         µg/l           508         Alpha-BHC         µg/l           509         Lindane (Gamma-BHC)         µg/l           510         Heptachlor         µg/l           511         Heptachlor Epoxide         µg/l           512         Aldrin         µg/l           513         Dieldrin         µg/l           514         Endrin         µg/l	<0.02 <10 <0.001 <0.0002 0.013	0.1
719         Potassium         mg/l           720         Selenium         mg/l           722         Silver         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           726         Beryllium         mg/l           732         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         µg/l           504         PP'-DDD         µg/l           506         PP'-DDT         µg/l           508         Alpha-BHC         µg/l           509         Lindane (Gamma-BHC)         µg/l           510         Heptachlor         µg/l           511         Heptachlor Epoxide         µg/l           512         Aldrin         µg/l           513         Dieldrin         µg/l           514         Endrin         µg/l	<10 <0.001 <0.0002 0.013	
720         Selenium         mg/l           722         Silver         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           726         Beryllium         mg/l           732         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         µg/l           504         PP'-DDD         µg/l           506         PP'-DDT         µg/l           508         Alpha-BHC         µg/l           509         Lindane (Gamma-BHC)         µg/l           510         Heptachlor         µg/l           511         Heptachlor Epoxide         µg/l           512         Aldrin         µg/l           513         Dieldrin         µg/l           514         Endrin         µg/l	<0.001 <0.0002 0.013	0.05
722         Silver         mg/l           724         Zinc         mg/l           725         Antimony         mg/l           726         Beryllium         mg/l           732         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         µg/l           504         PP'-DDD         µg/l           506         PP'-DDT         µg/l           508         Alpha-BHC         µg/l           509         Lindane (Gamma-BHC)         µg/l           510         Heptachlor         µg/l           511         Heptachlor Epoxide         µg/l           512         Aldrin         µg/l           513         Dieldrin         µg/l           514         Endrin         µg/l	<0.0002 0.013	0.05
724         Zinc         mg/l           725         Antimony         mg/l           726         Beryllium         mg/l           732         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         µg/l           504         PP'-DDD         µg/l           506         PP'-DDT         µg/l           508         Alpha-BHC         µg/l           509         Lindane (Gamma-BHC)         µg/l           510         Heptachlor         µg/l           511         Heptachlor Epoxide         µg/l           512         Aldrin         µg/l           513         Dieldrin         µg/l           514         Endrin         µg/l	0.013	0.1
725         Antimony         mg/l           726         Beryllium         mg/l           732         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         µg/l           504         PP'-DDD         µg/l           506         PP'-DDT         µg/l           508         Alpha-BHC         µg/l           509         Lindane (Gamma-BHC)         µg/l           510         Heptachlor         µg/l           511         Heptachlor Epoxide         µg/l           512         Aldrin         µg/l           513         Dieldrin         µg/l           514         Endrin         µg/l		0.1
726         Beryllium         mg/l           732         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         µg/l           504         PP'-DDD         µg/l           506         PP'-DDT         µg/l           508         Alpha-BHC         µg/l           509         Lindane (Gamma-BHC)         µg/l           510         Heptachlor         µg/l           511         Heptachlor Epoxide         µg/l           512         Aldrin         µg/l           513         Dieldrin         µg/l           514         Endrin         µg/l	1 -0.0005	5
732         Molybdenum         mg/l           734         Thallium         mg/l           737         Vanadium         mg/l           ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         µg/l           504         PP'-DDD         µg/l           506         PP'-DDT         µg/l           508         Alpha-BHC         µg/l           509         Lindane (Gamma-BHC)         µg/l           510         Heptachlor         µg/l           511         Heptachlor Epoxide         µg/l           512         Aldrin         µg/l           513         Dieldrin         µg/l           514         Endrin         µg/l	<0.0005	0.006
734         Thallium         mg/l           737         Vanadium         mg/l           ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         μg/l           504         PP'-DDD         μg/l           506         PP'-DDT         μg/l           508         Alpha-BHC         μg/l           509         Lindane (Gamma-BHC)         μg/l           510         Heptachlor         μg/l           511         Heptachlor Epoxide         μg/l           512         Aldrin         μg/l           513         Dieldrin         μg/l           514         Endrin         μg/l	<0.0005	0.004
737         Vanadium         mg/l           TEST         ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         μg/l           504         PP'-DDD         μg/l           506         PP'-DDT         μg/l           508         Alpha-BHC         μg/l           509         Lindane (Gamma-BHC)         μg/l           510         Heptachlor         μg/l           511         Heptachlor Epoxide         μg/l           512         Aldrin         μg/l           513         Dieldrin         μg/l           514         Endrin         μg/l	<0.04	0.002
TEST         ANNUAL MRP PARAMETERS (PESTICIDES & PCBs)         UNIT           502         PP'-DDE         μg/l           504         PP'-DDD         μg/l           506         PP'-DDT         μg/l           508         Alpha-BHC         μg/l           509         Lindane (Gamma-BHC)         μg/l           510         Heptachlor         μg/l           511         Heptachlor Epoxide         μg/l           512         Aldrin         μg/l           513         Dieldrin         μg/l           514         Endrin         μg/l	<0.001	0.002
(PESTICIDES & PCBs)           502         PP'-DDE         μg/l           504         PP'-DDD         μg/l           506         PP'-DDT         μg/l           508         Alpha-BHC         μg/l           509         Lindane (Gamma-BHC)         μg/l           510         Heptachlor         μg/l           511         Heptachlor Epoxide         μg/l           512         Aldrin         μg/l           513         Dieldrin         μg/l           514         Endrin         μg/l	<0.02	
504       PP'-DDD       μg/l         506       PP'-DDT       μg/l         508       Alpha-BHC       μg/l         509       Lindane (Gamma-BHC)       μg/l         510       Heptachlor       μg/l         511       Heptachlor Epoxide       μg/l         512       Aldrin       μg/l         513       Dieldrin       μg/l         514       Endrin       μg/l	MARCH	LIMIT
504       PP'-DDD       μg/l         506       PP'-DDT       μg/l         508       Alpha-BHC       μg/l         509       Lindane (Gamma-BHC)       μg/l         510       Heptachlor       μg/l         511       Heptachlor Epoxide       μg/l         512       Aldrin       μg/l         513       Dieldrin       μg/l         514       Endrin       μg/l	< 0.01	
506       PP'-DDT       μg/l         508       Alpha-BHC       μg/l         509       Lindane (Gamma-BHC)       μg/l         510       Heptachlor       μg/l         511       Heptachlor Epoxide       μg/l         512       Aldrin       μg/l         513       Dieldrin       μg/l         514       Endrin       μg/l	< 0.01	
509       Lindane (Gamma-BHC)       μg/l         510       Heptachlor       μg/l         511       Heptachlor Epoxide       μg/l         512       Aldrin       μg/l         513       Dieldrin       μg/l         514       Endrin       μg/l	< 0.01	
509       Lindane (Gamma-BHC)       μg/l         510       Heptachlor       μg/l         511       Heptachlor Epoxide       μg/l         512       Aldrin       μg/l         513       Dieldrin       μg/l         514       Endrin       μg/l	< 0.01	
511       Heptachlor Epoxide       μg/l         512       Aldrin       μg/l         513       Dieldrin       μg/l         514       Endrin       μg/l	< 0.01	0.2
512       Aldrin       μg/l         513       Dieldrin       μg/l         514       Endrin       μg/l	< 0.01	0.01
513 Dieldrin μg/l 514 Endrin μg/l	< 0.01	0.01
514 Endrin µg/l	< 0.01	
	< 0.01	
	<0.01	2
515 Toxaphene µg/l	<0.5	3
519 Aroclor 1242 ug/l	<0.1_	
520 Aroclor 1254 μg/l	<0.05	
523 Beta-BHC μg/l	<0.01	
524 Delta-BHC μg/l	<0.01	
531 Endosulfan I µg/l	<0.01	
532 Endosulfan II μg/l	< 0.01	<del></del>
533 Endosulfan Sulfate μg/l	-0.01	<del></del>
534 Endrin Aldehyde μg/l	<0.01	0.5
535 Aroclor 1016 μg/l	< 0.01	0.5
536 Aroclor 1221 μg/l 537 Aroclor 1232 μg/l	<0.01 <0.1	0.5
	<0.01 <0.1 <0.1	
538 Aroclor 1248 μg/l	<0.01 <0.1 <0.1 <0.1	0.5
539 Aroclor 1260 μg/l 540 Technical Chlordane μg/l	<0.01 <0.1 <0.1	0.5 0.5

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS (VOLATILE ORGANICS)	UNIT	MARCH	LIMIT
601	Methylene Chloride	ug/l	<0.5	
602	Chloroform	μg/l	<0.5	
603	1,1,1-Trichloroethane	μg/l	<0.5	200
604	Carbon Tetrachloride	μg/l	<0.5	0.5
605	1.1-Dichloroethene	μg/l	<0.5	6
606	Trichloroethylene	μg/l	<0.5	5
607	Tetrachloroethylene	μg/l	<0.5	5
608	Bromodichloromethane	μg/l	<0.5	
609	Dibromochloromethane	μg/l	<0.5	
610	Bromoform	μg/l	<0.5	
611	Chlorobenzene	μg/l	<0.5	70
612	Vinyl Chloride	μg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	μg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	μg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	μg/l	<0.5	5
616	1.1-Dichloroethane	μg/l	<0.5	5
618	1,1,2-Trichloroethane	μg/l_	<0.5	5
619	1,2-Dichloroethane	μg/l	<0.5	0.5
620	Benzene	μg/l	<0.5	1
621	Toluene	μg/l	<0.5	150
624	Ethyl Benzene	μg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	μg/l	<0.5	10
646	Bromomethane	μg/l	<0.5	
647	Chloroethane	μg/l	<0.5	
648	2-Chloroethylvinylether	μg/l	<0.5	
649	Chloromethane	μg/l	<0.5	
650	1,2-Dichloropropane	μg/l	<0.5	5
651	Cis-1,3-Dichloropropene	μg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	μg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	μg/l	<0.5	1
654	Acrolein	μg/l	<2	
655	Acrylonitrile	μg/l	<2	
662	Methyl Tertiary Butyl Ether	μg/l	<0.5	
	ANNUAL MRP PARAMETERS			
TEST	(ACID EXTRACTIBLES)	UNIT	MARCH	LIMIT
845	2-Chlorophenol	μg/l	<5	
847	2,4-Dichlorophenol	μg/l	<5	
848	2,4-Dimethylphenol	μg/l	<2	<u> </u>
849	2,4-Dinitrophenol	μg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	μg/l	<5	
851	2-Nitrophenol	μg/l	<10	·
852	4-Nitrophenol	μg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	μg/l	<1	<del></del>
854	Pentachlorophenol	μg/l	<5	1
855	Phenol	μg/l	<1	<del>-</del>
856	2,4,6-Trichlorophenol	μg/l	<10	

### 2004 ANNUAL DATA

TEST	ANNUAL MRP PARAMETERS	UNIT	MARCH	LIMIT
	(BASE/NEUTRAL EXTRACTIBLES)			
800	Acenaphthene	μg/l	<1	
801	Acenaphthylene	μg/l	<10	
802	Anthracene	μg/l	<10	
803	Benzidine	μg/l	<5	
804	Benzoanthracene	μg/l	<5	
805	Benzopyrene	μg/l	< 0.02	0.2
806	Benzo(b)fluoranthene	μg/l	<0.02	
807	1,12-Benzoperylene	μg/l	<5	
808	Benzo(k)fluoranthene	μg/l	< 0.02	
809	Bis(2-chloroethoxy)methane	μg/l	<5	<u></u>
810	Bis(2-Chloroethyl)ether	μg/l	<1	5/10
811	Bis(2-chloroisopropyl)ether	μg/l	<2	
812	Bis(2-diethylhexyl)phthalate	μg/l	<2	4
813	4-Bromophenyl Phenyl Ether	μg/l	<5	
814	Butylbenzyl Phthalate	μg/l_	<10	
815	2-Chloronaphthalene	μg/l	<10	
816	4-Chlorophenyl Phenyl Ether	μg/l	<5	
817	Chrysene	μg/l	< 0.02	
818	1,2,5,6-Dibenzanthracene	μg/l	< 0.02	
819	1,2-Dichlorobenzene	μg/l	<2	
820	1,3-Dichlorobenzene	μg/l	<1	
821	1,4-Dichlorobenzene	μg/l	<1	
822	3,3'-Dichlorobenzidine	μg/l	<5	
823	Diethyl Phthalate	μg/l	<2	
824	Dimethyl Phthalate	μg/l	<2	
825	Di-n-Butyl Phthalate	μg/l	<10	
826	2,4-Dinitrotoluene	μg/l	<5	
827	2,6-Dinitrotoluene	μg/l	<5	
828	Di-n-Octyl Phthalate	_µg/l	<10	
829	1,2-Diphenylhydrazine	μg/l	<1	
830	Fluoranthene	μg/l	<1	
831	Fluorene	μg/l	<10	<u></u>
832	Hexachlorobenzene	μg/l	<1	1
833	Hexachlorobutadiene	μg/l	<1	<del>-</del>
834	Hexachlorocyclopentadiene	μg/l	<5	50
835	Hexachloroethane	μg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	ug/l	<0.02	
837	Isophorone	μg/l	<1	
838	Naphthalene	ug/l	<1	
839	Nitrobenzene	μg/l	<1	
840	n-Nitrosodimethylamine	μg/l	<5	
841	n-Nitrosodi-n-propylamine	μg/l	<5	
842	Phenanthrene	μg/l	<5	
843	Pyrene	μ <u>ε/1</u>	<10	
844	2,3,7,8-TCDD	μ <u>ε/1</u> μ <u>g</u> /1	<0.0000037	0.00003
846	1.2.4-Trichlorobenzene	μ <u>μ</u> μ <u>γ</u> /Ι	<5	70
857	n-Nitrosodiphenylamine	μg/l	<1	

**TABLE 4.49 2004 QUARTERLY DATA MONITORING WELL MW32** 

TEST	QUARTERLY MRP PARAMETERS	UNIT	DECEMBER	LIMIT
1S1	рН	0-14	7.69	
1S2	Temperature	°C	20.24	
1S3	Dissolved Oxygen	mg/l	7.74	
1S4	Electrical Conductivity	μmhos/cm	239	1600 ¹
900	Depth to Groundwater	ft	376.45	
155	Total Dissolved Solids	mg/l	127	1000 <sup>2</sup>
201	Ammonia	mg-N/l	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	
204	Nitrate	mg-N/l	0.44	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	15.8	500 <sup>4</sup>
301	Chloride	mg/l	8.8	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	
723	Sodium	mg/l	37.8	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term

**TABLE 4.50** 

### **MONITORING WELL MW33**

TEST	QUARTERLY MRP PARAMETERS	UNIT	DECEMBER	LIMIT
1S1	рН	0-14	7.58	
1S2	Temperature	°C	18.95	
1S3	Dissolved Oxygen	mg/l	10.41	
154	Electrical Conductivity	μmhos/cm	663	1600 ¹
900	Depth to Groundwater	ft	340.14	
155	Total Dissolved Solids	mg/l	397	1000 <sup>2</sup>
201	Ammonia	mg-N/l	1.50	
203	Kjeldahl Nitrogen	mg-N/l	1.40	
204	Nitrate	mg-N/l	6.08	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	54.2	500 <sup>4</sup>
301	Chloride	mg/l	82.4	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	0.50
405	Total Organic Carbon	μg/l	950	
723	Sodium	mg/l	36.50	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10

<sup>&</sup>lt;sup>4</sup> 250 recommended / 500 upper / 600 short term

**TABLE 4.51** 

### **MONITORING WELL MW35**

TEST	QUARTERLY MRP PARAMETERS	UNIT	DECEMBER	LIMIT
181	рН	0-14	7.73	
1S2	Temperature	°C	16.62	
1S3	Dissolved Oxygen	mg/l	10.21	
184	Electrical Conductivity	μmhos/c m	527	1600 <sup>1</sup>
900	Depth to Groundwater	ft	310.52	
155	Total Dissolved Solids	mg/l	300	1000 <sup>2</sup>
201	Ammonia	mg-N/l	1.13	
203	Kjeldahl Nitrogen	mg-N/l	0.84	
204	Nitrate	mg-N/l	2.59	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	84.4	500 <sup>4</sup>
301	Chloride	mg/l	27.9	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	0.50
405	Total Organic Carbon	μg/l	790	
723	Sodium	mg/l	30.1	

<sup>1 900</sup> recommended / 1600 upper / 2200 short term 2 500 recommended / 1000 upper / 1500 short term 3 Nitrate+Nitrite = 10

<sup>&</sup>lt;sup>4</sup> 250 recommended / 500 upper / 600 short term

**TABLE 4.52** 

TEST	QUARTERLY MRP PARAMETERS	UNIT	DECEMBER	LIMIT
1S1	рH	0-14	8.02	
1S2	Temperature	°C	17.87	
1S3	Dissolved Oxygen	mg/l	9.47	
1S4	Electrical Conductivity	μmhos/cm	279	1600 <sup>1</sup>
900	Depth to Groundwater	ft	332.56	
155	Total Dissolved Solids	mg/l	170	1000 2
201	Ammonia	mg-N/l	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	
204	Nitrate	mg-N/l	· 2.93	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	10 3
257	Sulfate	mg/l	20.8	500 <sup>4</sup>
301	Chloride	mg/l	10.9	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	0.50
405	Total Organic Carbon	µg/l	<500	
723	Sodium	mg/l	18.6	

<sup>1900</sup> recommended / 1600 upper / 2200 short term 2500 recommended / 1000 upper / 1500 short term 3 Nitrate+Nitrite = 10 4 250 recommended / 500 upper / 600 short term NA - Not Analyzed

**TABLE 4.53** 

### **MONITORING WELL MW38** 2004 QUARTERLY DATA

TEST	QUARTERLY MRP PARAMETERS	UNIT	JUNE	DECEMBER	Average	Max	Min	LIMIT
181	рH	0-14	7.84	7.93	7.89	7.93	7.84	
182	Temperature	°C	18.25	16.68	17.47	18.25	16.68	
1S3	Dissolved Oxygen	mg/l	7.76	8.24	8.00	8.24	7.76	
1S4	Electrical Conductivity	μmhos/cm	258	251	255	258	251	1600 <sup>1</sup>
900	Depth to Groundwater	ft	287.15	289.69	288.42	289.69	287.15	
155	Total Dissolved Solids	mg/l	143	134	139	143	134	1000 2
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	0.28	<0.2	0.28	<0.2	
204	Nitrate	mg-N/l	0.64	5.31	2.98	5.31	0.64	10 3
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 3
257	Sulfate	mg/l	17.0	18.3	17.7	18.3	17.0	500 4
301	Chloride	mg/l	6.0	6.3	6.2	6.3	6.0	500 4
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	μg/l	530	<500	<515	530	<500	
723	Sodium	mg/l	11.2	12.7	12.0	12.7	11.2	

<sup>&</sup>lt;sup>1</sup> 900 recommended / 1600 upper / 2200 short term <sup>2</sup> 500 recommended / 1000 upper / 1500 short term <sup>3</sup> Nitrate+Nitrite = 10 <sup>4</sup> 250 recommended / 500 upper / 600 short term NA - Not Analyzed

**TABLE 4.54** 

TEST	QUARTERLY MRP PARAMETERS	UNIT	JUNE	LIMIT
1S1	Н	0-14	7.74	
1S2	Temperature	°C	19.66	
1S3	Dissolved Oxygen	mg/l	8.21	
1S4	Electrical Conductivity	μmhos/cm	320	1600 <sup>1</sup>
900	Depth to Groundwater	ft	320.96	
155	Total Dissolved Solids	mg/l	186	1000 2
201	Ammonia	mg-N/l	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.2	
204	Nitrate	mg-N/l	1.5	10 <sup>3</sup>
205	Nitrite	mg-N/l	<0.02	10 <sup>3</sup>
257	Sulfate	mg/l	29.5	500 <sup>4</sup>
301	Chloride	mg/l	8.1	500 <sup>4</sup>
315	MBAS	mg/l	<0.1	0.50
405	Total Organic Carbon	μg/l	<500	
723	Sodium	mg/l	13.3	
00	000			

<sup>1900</sup> recommended / 1600 upper / 2200 short term 2500 recommended / 1000 upper / 1500 short term 3 Nitrate+Nitrite = 10 4 250 recommended / 500 upper / 600 short term NA - Not Analyzed

**TABLE 4.55** 

### PALMDALE WATER RECLAMATION PLANT

### 2004 LYSIMETER MONITORING DATA

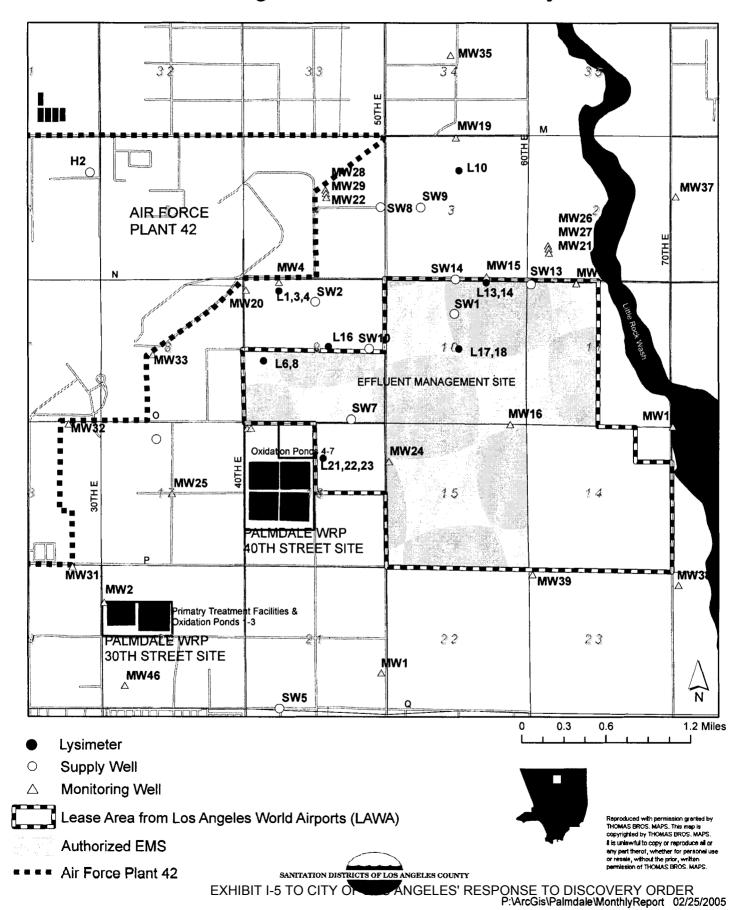
			LYSIME	TER LY1	LY	SIMETER LY3		L'	YSIMETER LY	4	LYSIMETER LY6	LYSIMETER LY16
TEST	CONSTITUENT	UNIT	FIRST QUARTER	SECOND QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER	SECOND QUARTER	SECOND QUARTER
155	Total Dissolved Solids	mg/l	NA	1684	1535	NA	NA	949	NA	NA	985	NA
201	Ammonia	mg-N/l	NA	<0.1	<0.1	NA	<0.1	NA	NA	<0.1	NA	<0.1
203	Kjeldahl Nitrogen	mg-N/l	NA	1.12	2.24	NA	<0.2	NA	NA	<0.2	<0.2	1.68
204	Nitrate	mg-N/l	NA	37.7	35.1	NA	71	46.1	NA	NA	26.8	36.7
205	Nitrite	mg-N/l	NA	<0.02	<0.02	NA	<0.02	< 0.02	NA	NA	< 0.02	< 0.02
257	Sulfate	mg/l	NA	498	332	NA	NA	NA	NA	32.1	169	140
301	Chloride	mg/l	NA	259.0	210.8	NA	NA	NA	NA	206	163.7	158.7
315	MBAS	mg/l	NA	< 0.1	< 0.1	NA	NA	NA	NA	NA	NA	NA
723	Sodium	mg/l	NA	248	NA	86.2	NA	NA	NA	NA	170	NA

### PALMDALE WATER RECLAMATION PLANT

FIGURE 4.1

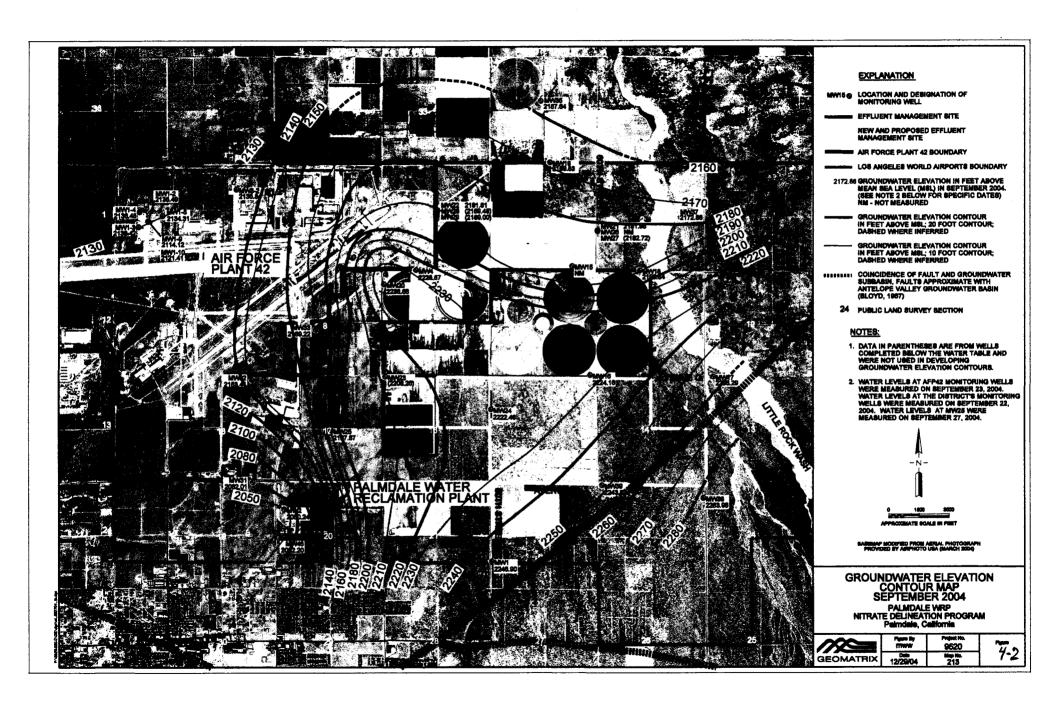
**SITE MAP** 

### FIGURE 4.1 PALMDALE WATER RECLAMATION PLANT Effluent Management Site, Wells and Lysimeters



### PALMDALE WATER RECLAMATION PLANT

### FIGURE 4.2 ESTIMATED FLOW DIRECTIONS



### PALMDALE WATER RECLAMATION PLANT

### FIGURES 4.3 – 4.74 GRAPHICAL SUMMARIES

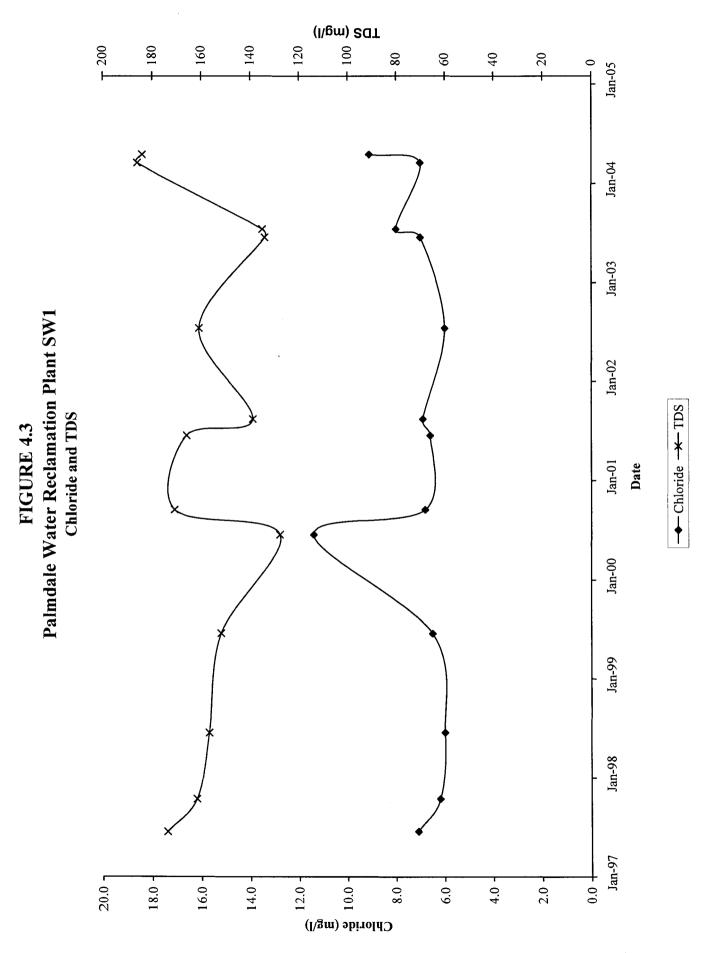
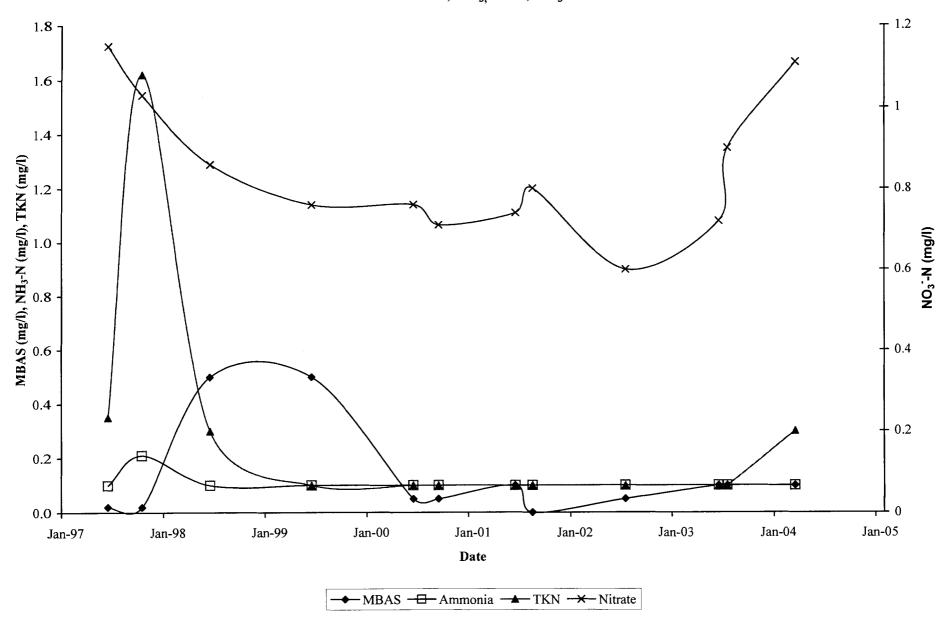


EXHIBIT I-5 TO CITY OF LOS ANGELES' RESPONSE TO DISCOVERY ORDER

FIGURE 4.4
Palmdale Water Reclamation Plant SW1
MBAS, NH<sub>3</sub>, TKN, NO<sub>3</sub>



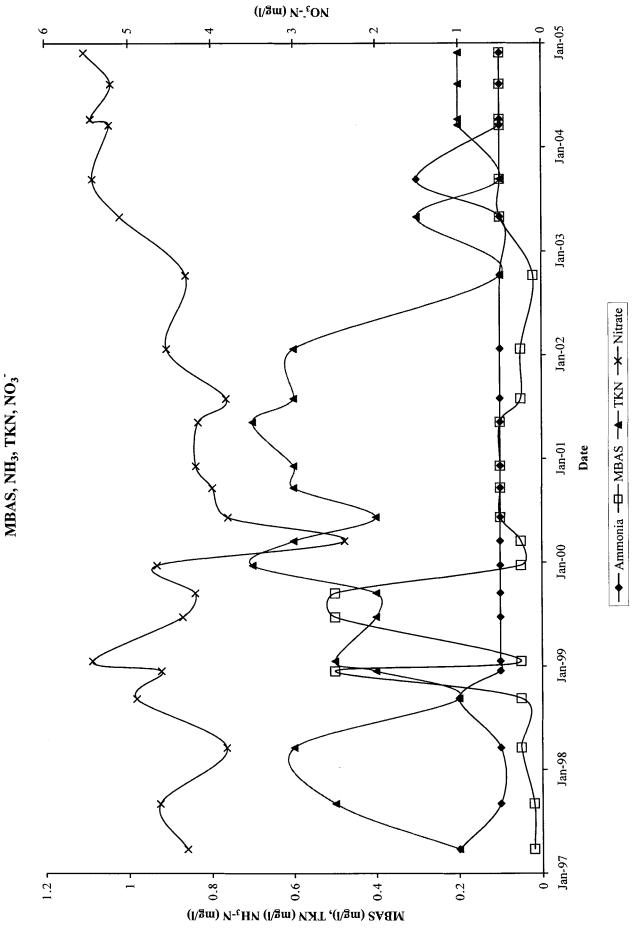
T 400 300 L 200 375 350 325 275 250 . 225 Jan-05 Jan-04 Jan-03 Palmdale Water Reclamation Plant SW2 Jan-02 → Chloride → TDS Chloride and TDS FIGURE 4.5 Jan-01 Date Jan-00 Jan-99 Jan-98 Jan-97 45 J 40 -35 -10 -30 -15 -Ś 25 20 Chloride (mg/l)

(I\gm) SQT

EXHIBIT I-5 TO CITY OF LOS ANGELES' RESPONSE TO DISCOVERY ORDER

FIGURE 4.6

Palmdale Water Reclamation Plant SW2



7 400 350 300 250 200 150 100 50 Jan-05 Jan-04 Jan-03 Jan-02 Jan-01 Palmdale Water Reclamation Plant, SW 5 Jan-00 Jan-99 --- Chloride --- TDS Chloride and TDS FIGURE 4.7 Jan-97 Jan-98 Date Jan-96 Jan-95 Jan-94 Jan-93 Jan-92 Jan-91 Jan-90 100 J 50 -40 -+0 70 -20 -10 - 06 - 09 30 -80 Chloride (mg/l)

(I\gm) SQT

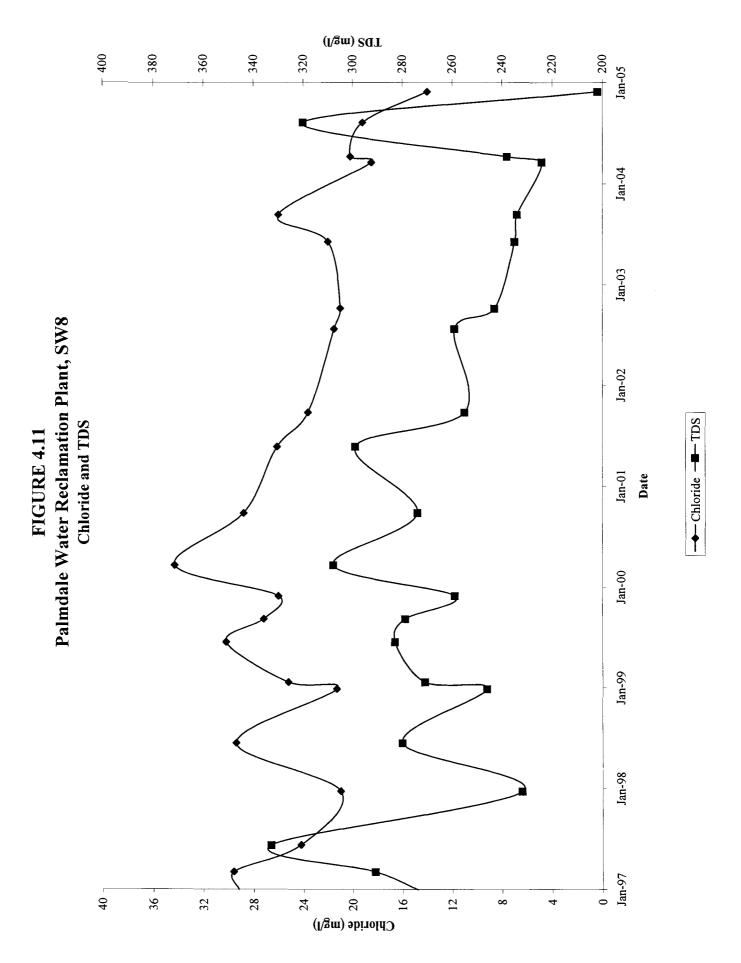
EXHIBIT I-5 TO CITY OF LOS ANGELES' RESPONSE TO DISCOVERY ORDER

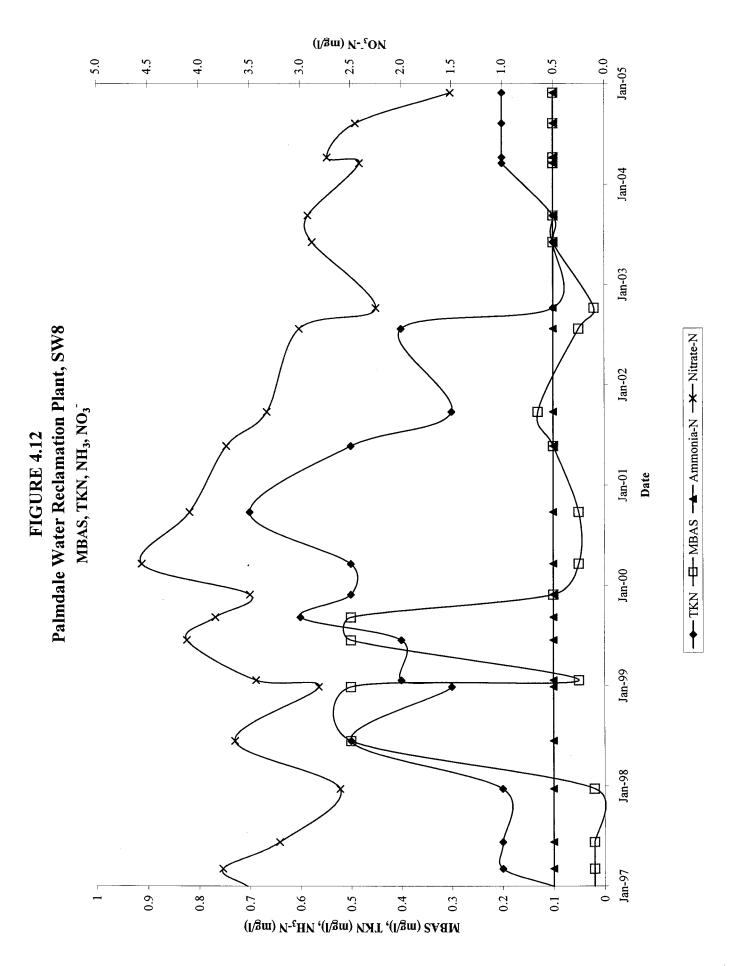
(I\gm) N-'<sub>E</sub>ON Jan-05 Jan-04 Jan-03 Jan-02 Jan-01 Palmdale Water Reclamation Plant, SW 5 Jan-00 → Ammonia — → MBAS → TKN → Nitrate Jan-99 MBAS, NH<sub>3</sub>, TKN, NO<sub>3</sub> FIGURE 4.8 Jan-98 <del>0000</del> Date Jan-97 Jan-96 Jan-95 Jan-94 Jan-93 Jan-92 Jan-91 Jan-90 1.4 7 1.2 -0.2 0.8 9.0 0.4  $MBAS\ (mg/l),\ NH_3-N\ (mg/l),\ TKN\ (mg/l)$ 

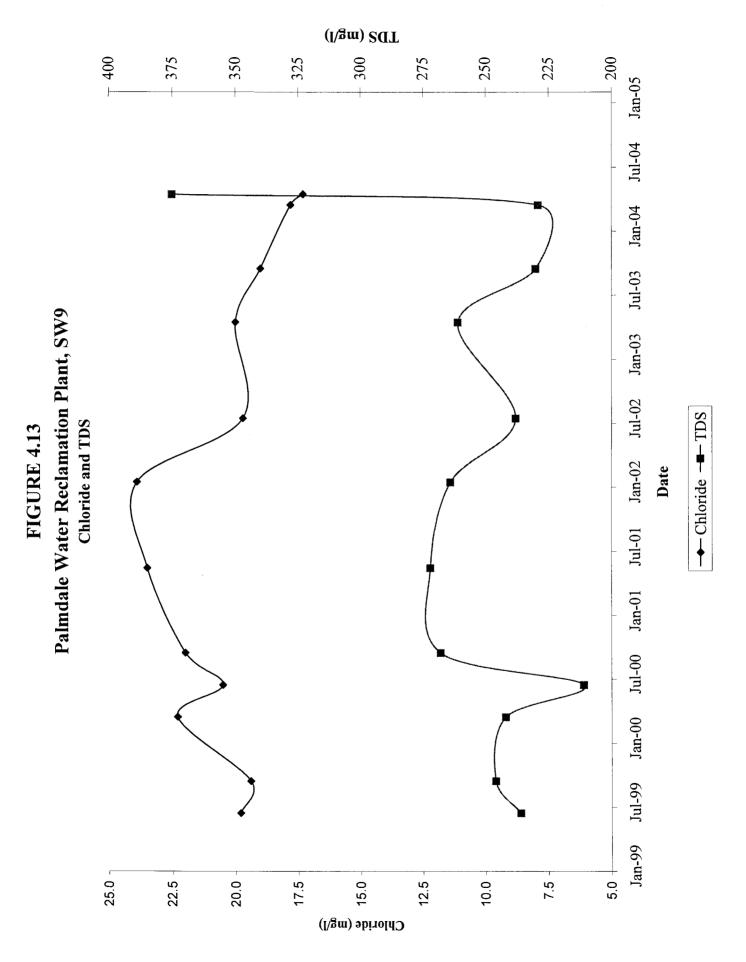
. 250 (I\gm) 20T  $_{7}$  400 - 200 - 150 350 - 300 Jan-05 Jan-04 Jan-03 Palmdale Water Reclamation Plant, SW 7 Jan-02 Chloride and TDS → Chloride → TDS Jan-01 FIGURE 4.9 Date Jan-00 Jan-99 Jan-98 Jan-97 Jan-96 30 7 +0 20 -5 Chloride (mg/l) 25. 10

0.5 Jan-05 Jan-04 Jan-03 → Ammonia — MBAS → TKN → Nitrate Jan-02 Palmdale Water Reclamation Plant, SW 7 MBAS, NH<sub>3</sub>, TKN, NO<sub>3</sub> Jan-01 **FIGURE 4.10** Date Jan-00 Jan-99 Jan-98 Jan-97 Jan-96 6.0 8.0 0.5 (I\gm), VHz, (I\gm) N-tHN, (I\gm) SABM

(I\gm) V-\_c0V







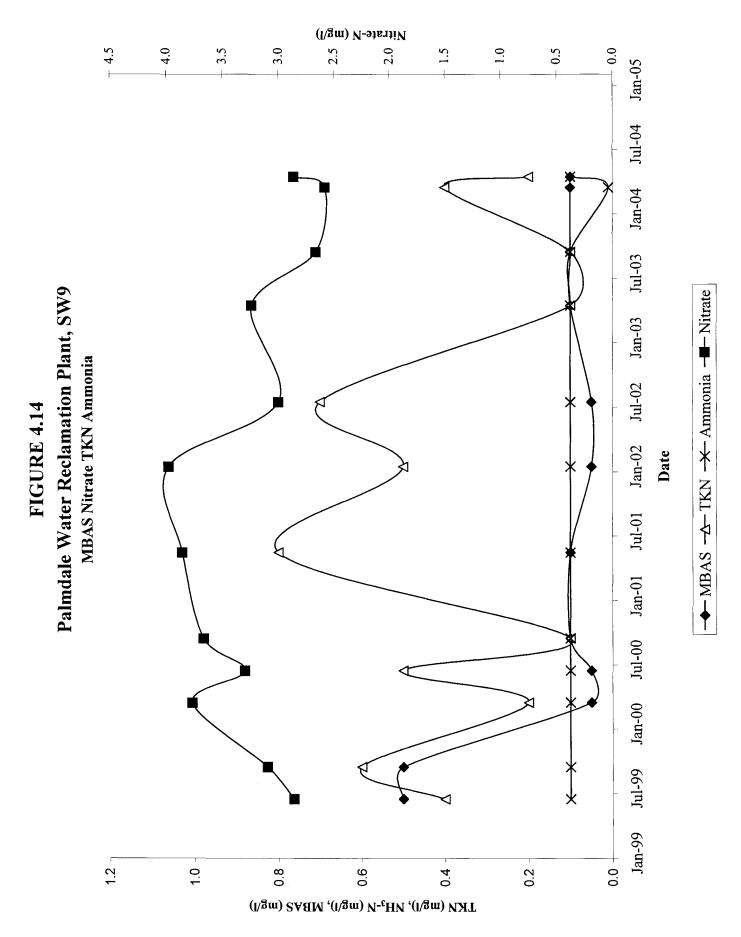


FIGURE 4.15
Palmdale Water Reclamation Plant SW 10
Chloride and TDS

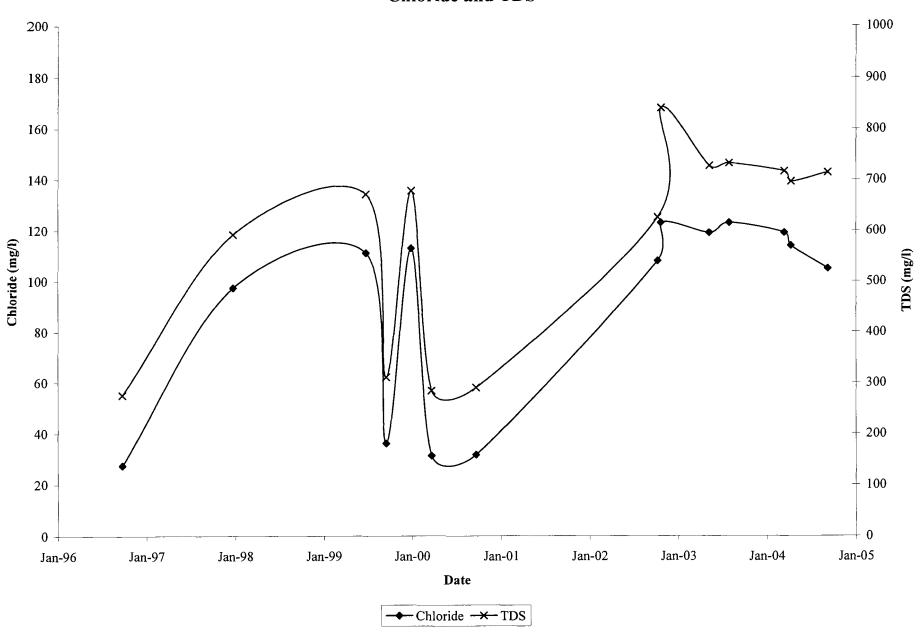
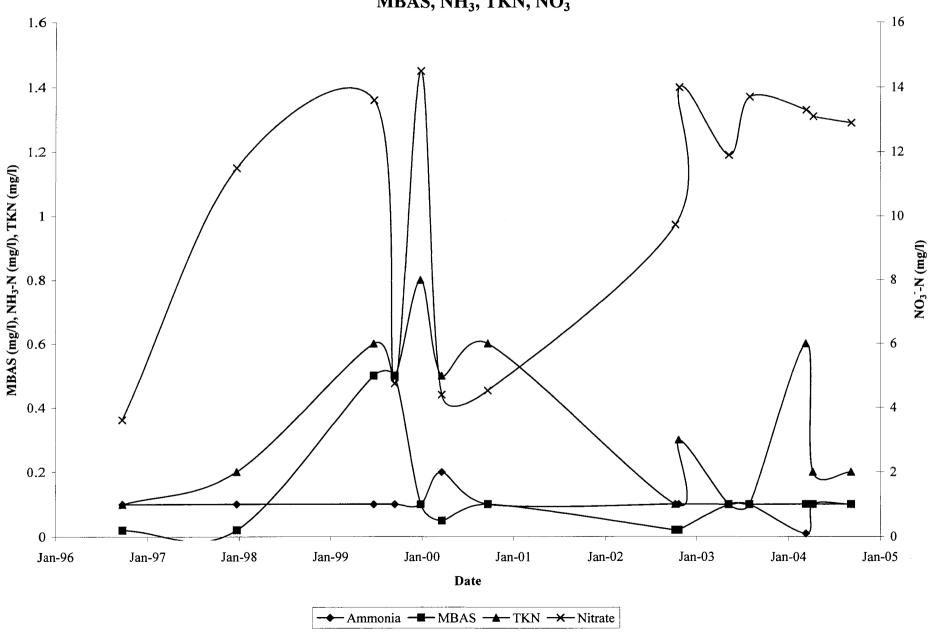
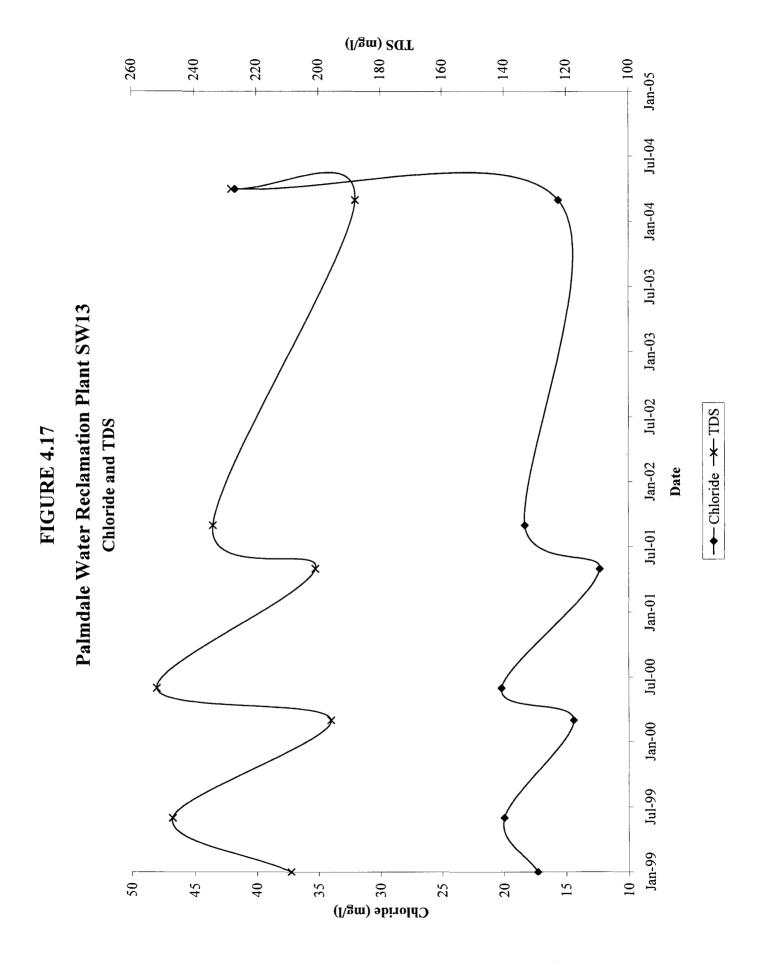
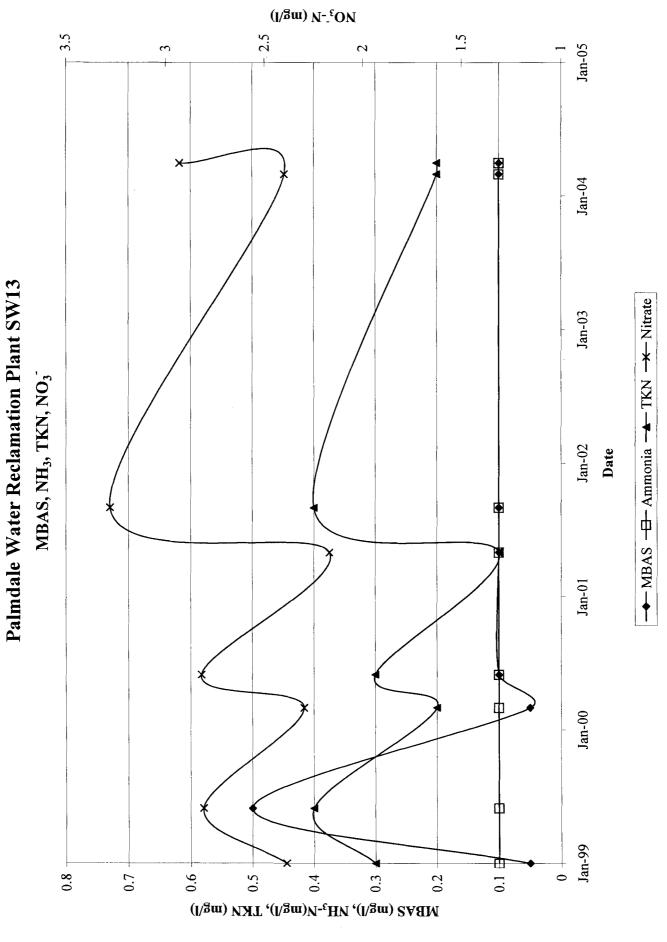


FIGURE 4.16
Palmdale Water Reclamation Plant SW 10
MBAS, NH<sub>3</sub>, TKN, NO<sub>3</sub>







**FIGURE 4.18** 

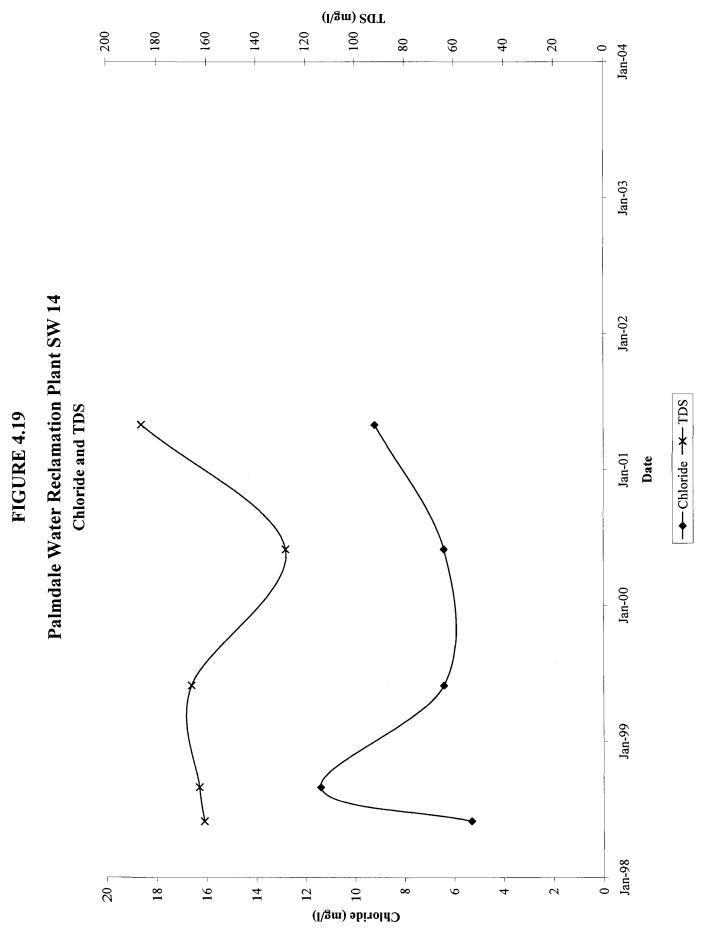
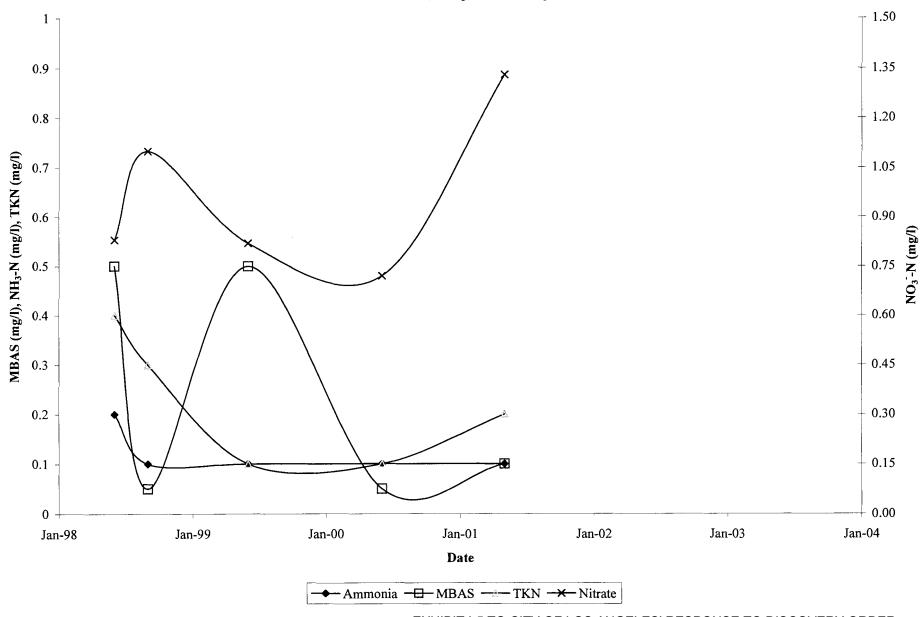


EXHIBIT I-5 TO CITY OF LOS ANGELES' RESPONSE TO DISCOVERY ORDER

FIGURE 4.20
Palmdale Water Reclamation Plant SW 14
MBAS, NH<sub>3</sub>, TKN, NO<sub>3</sub>



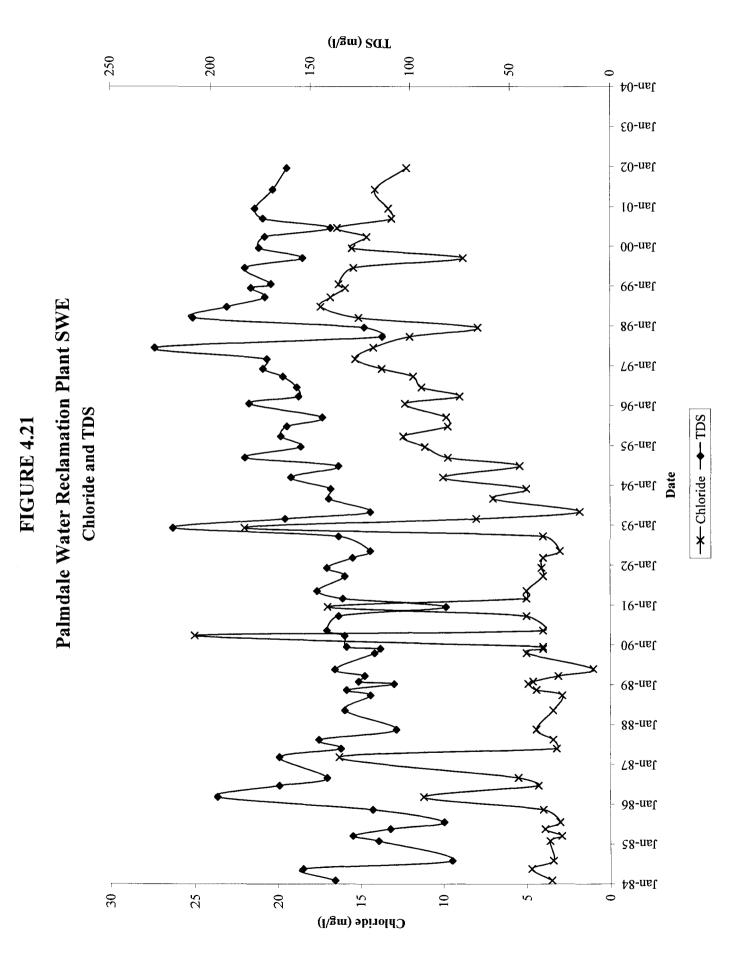
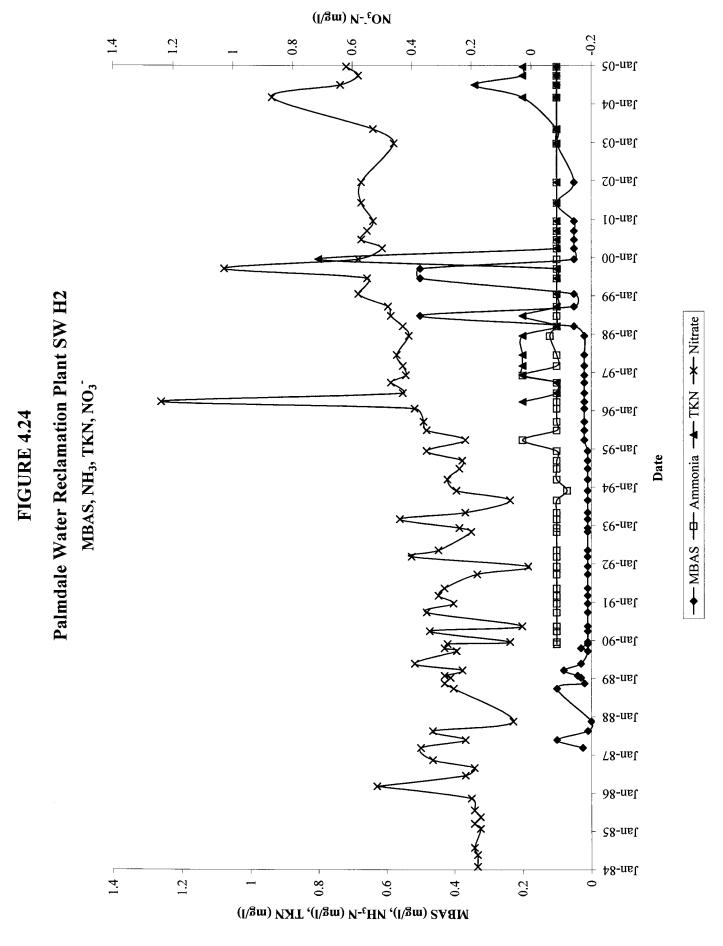


EXHIBIT I-5 TO CITY OF LOS ANGELES' RESPONSE TO DISCOVERY ORDER

(I\gm) N-TeON 2.5 0.5 19n-04 Jan-03 Jan-02 Jan-01 1sn-00 Jan-99 Palmdale Water Reclamation Plant SWE Se-nsl —— MBAS —— Ammonia → TKN → Nitrate Jan-97 MBAS, NH<sub>3</sub>, TKN, NO<sub>3</sub> 96-nsl FIGURE 4.22 se-nsl Date pe-nal Se-nsl Jan-92 19-nsl Jan-90 98-nsl Jan-88 78-nsl Jan-86 Jan-85 18-nsl 2.5 2 1.5 0.5 0 MBAS (mg/l),  $\mathrm{VH}_{3}\text{-}\mathrm{N}$  (mg/l),  $\mathrm{TKN}$  (mg/l)

(I\gm) &UT 200 \_ 250 150 50 so-nsl 1an-04So-nsl 1an-0210-nsl Jan-00 Palmdale Water Reclamation Plant SW H2 99-nsl89-nsl 79-nsl → Chloride → TDS Chloride and TDS 96-nsl **FIGURE 4.23** ce-nsl194-nsl Se-nsl Jan-92 19-nsl Jan-90 98-nsl98-nsl 78-nsl 98-nsl S8-nsl 12n-84 40 35 10 30 0 25 20 15 Chloride (mg/l)

EXHIBIT I-5 TO CITY OF LOS ANGELES' RESPONSE TO DISCOVERY ORDER



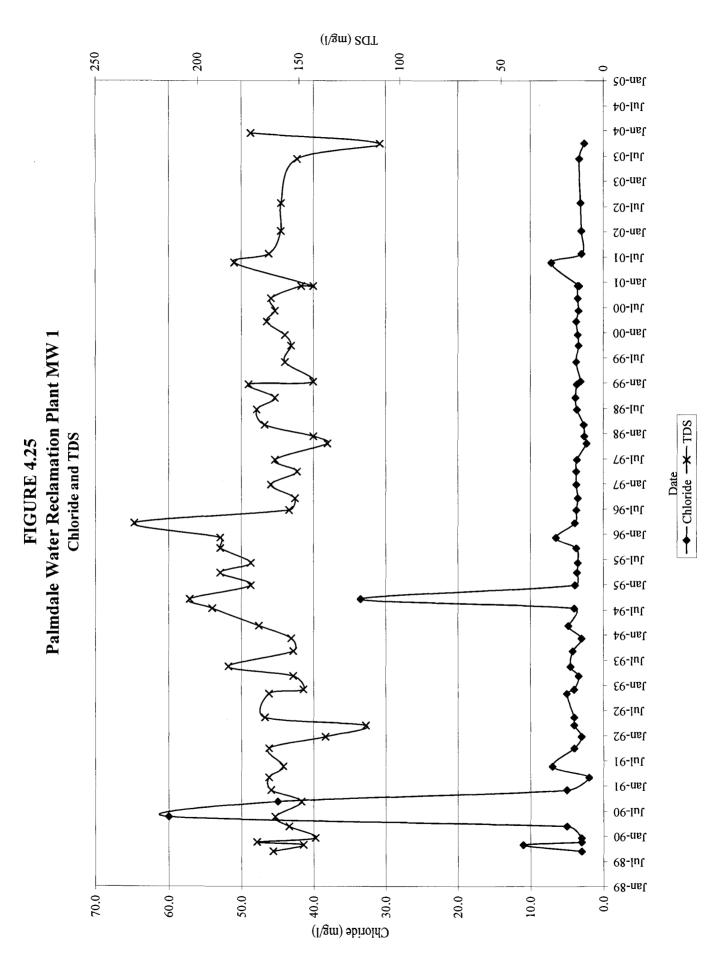


FIGURE 4.26
Palmdale Water Reclamation Plant MW 1
MBAS, NH<sub>3</sub>, TKN, NO<sub>3</sub>

