### California Regional Water Quality Control Board

Los Angeles Region

Over 50 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.swrcb.ca.gov/rwqcb4



October 14, 2003

Winston H. Hickox

Secretary for

rotection

CERTIFIED MAIL NO. 70012510000222219857
RETURN RECEIPT REQUESTED

Mr. Clay Rumbaoa, City Engineer City of Norwalk 12700 Norwalk Boulevard P.O. Box 1030 Norwalk, CA 90651

Dear Mr. Rumbaoa:

COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND WASTE DISCHARGE REQUIREMENTS - WELL 8 DEWATERING PROJECT, CITY OF NORWALK, CALIFORNIA (NPDES NO. CAG994005, CI=8651)

We have completed our review of your application for a permit to discharge waste under the National Pollutant Discharge Elimination System (NPDES) permit.

Based on the information provided, the proposed discharge of groundwater meets the conditions to be regulated under Order No. R4-2003-0108, General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Groundwater from Potable Water Supply Wells to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties, adopted by this Board on August 7, 2003.

Enclosed are your Waste Discharge Requirements, which also serve as your NPDES permit, consisting of Order No. R4-2003-0108 and Monitoring and Reporting Program No. CI-8651. The discharge limitations in Part E.1 and 2 of Order No. R4-2003-0108 are applicable to your discharge. Discharge from the project drains to Coyote Creek; therefore, the discharge limitations in Attachment B are not applicable to your discharge. Prior to starting discharge, a representative sample of the effluent shall be obtained and analyzed to determine compliance with the discharge limitations.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, <u>ATTN: Information Technology Unit.</u>

When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-8651 and NPDES No. CAG994005", which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document. In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

California Environmental Protection Agency

\*\*\*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption\*\*\*

\*\*\*For a list of simple ways to reduce demand and cut your energy costs, see the tips at: http://www.swrcb.ca.gov/news/echallenge.html\*\*\*

We are sending a copy of Order No. R4-2003-0108 only to the applicant. For those on the mailing list, please refer to the Board Order previously sent to you. A copy of the Order will be furnished to anyone who requests it, or it can be obtained at our web site address: http://www.swrcb.ca.gov/rwqcb4/html/permits/general\_permits.html.

If you have any questions, please contact Gensen Kai at (213) 576-6651.

Sincerely,

- x D...

Dennis A. Dickerson Executive Officer

### **Enclosures:**

Order No. R4-2003-0111 Monitoring and Reporting Program No. CI-8651 Fact Sheet

Environmental Protection Agency, Region 9, Permit Section (WTR-5)
 U.S. Army Corps of Engineers
 U.S. Fish and Wildlife Services, Division of Ecological Services
 NOAA, National Marine Fisheries Service
 Michael Lauffer, Office of Chief Counsel, State Water Resources Control Board
 James Maughan, Division of Water Quality, State Water Resources Control Board
 California Department of Fish and Game, Marine Resources, Region 5
 California Department of Health Services, Environmental Branch
 Los Angeles County, Department of Public Works, Waste Management Division
 Los Angeles County, Department of Health Services
 City of Norwalk

California Environmental Protection Agency

<sup>\*\*\*</sup>The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption\*\*\*

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# STATE OF CALIFORNIA CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD LOS ANGELES REGION 320 West 4<sup>th</sup> Street, Suite 200, Los Angeles, California 90013

FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
CITY OF NORWALK
(MUNICIPAL WATER SUPPLY WELL)

NPDES NO. CAG994005 CI-8651

### **FACILITY ADDRESS**

### FACILITY MAILING ADDRESS

San Antonio & Foster Road Norwalk, California

12700 Norwalk Blvd., P.O.Box 1030 Norwalk, CA 90651

### PROJECT DESCRIPTION:

The City of Norwalk (City) plans to rehabilitate its potable water Well 8, located at San Antonio Drive and Foster Road (see Figure 1), by employing a granular activated carbon treatment process to remove 1,2-dichloroethane (1,2-DCA). Before the actual rehabilitation can begin, a treatment pilot study will be conducted using two 2,000-pound drums containing granular activated carbon to determine the ability of the treatment system to remove 1,2-DCA (see Figure 2).

#### **VOLUME AND DESCRIPTION OF DISCHARGE:**

The activated carbon drums will be set up in the immediate vicinity of Well 8 located at Latitude: 33° 54' 25", Longitude: 118° 4' 36". Up to 500,000 gallons per day of treated groundwater will be discharged from the drums at the site to a nearby storm water catch basin located at Kalnor Avenue. Discharge from the storm drain flows to Coyote Creek, a water of the United States. Best management practice procedures will be implemented to reduce debris and trash from the street from being carried by the discharge. The procedures to be implemented include: 1) the City will sweep out debris from the gutter line, beginning from the outfall to the catch basin; 2) the City will set up berms and filters at the entrance of the catch basin to prevent debris from entering the basin; and 3) if discharge occurs on trash collection day, the City will monitor the catch basin so that no debris and trash can enter the catch basin.

#### APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data show reasonable potential for toxics to exist in groundwater above the screening levels for potential pollutants of concern in potable groundwater (Attachment A). Therefore, the effluent limits in Section E.1 and E.2 are applicable to the discharge. The discharge flows into Coyote Creek within the San Gabriel River Watershed, therefore, discharge limitation in Attachment B are not applicable to the discharge.

This table lists the specific constituents and effluent limitations applicable to your discharge.

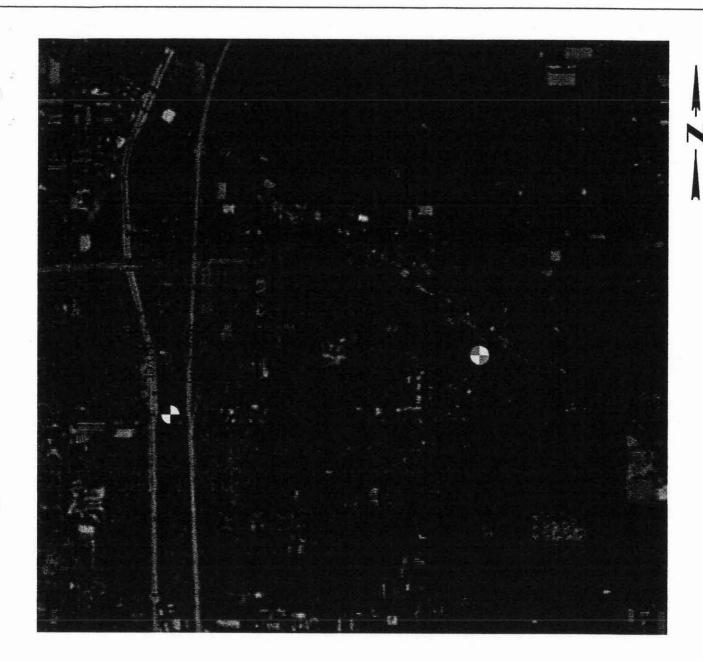
Constituents	Units	Discharge Limitations			
Constituents	Units	Daily Maximum	Monthly Average		
Total Suspended Solids	mg/L	150	50		
Turbidity	NTU	150	50		
BOD₅ 20°C	mg/L	30	20		
Settleable Solids	ml/L	0.3	0.1		
Residual Chlorine	mg/L	0.1			
Copper (Cu)	μg/L	1000			
Lead (Pb)	μg/L	50			
Total Chromium	μg/L	50			
1,1 Dichloroethane	μg/L	5			
1,1 Dichloroethylene	μg/L	6			
1,1,1 Trichloroethane	μg/L	200			
1,1,2 Trichloroethane	μg/L	5			
1,1,2,2 Tetrachloroethane	μg/L	1			
1,2 Dichloroethane	μg/L	0.5			
1,2-Trans Dichloroethylene	μg/L	10			
Tetrachloroethylene	μg/L	5			
Trichloroethylene	μg/L	5			
Carbon Tetrachloride	μg/L	0.5			
Vinyl Chloride	μg/L	0.5			
Total Trihalomethanes	μg/L	80			

### FREQUENCY OF DISCHARGE:

The discharge of treated groundwater will be continuous.

### **REUSE OF WATER:**

Offsite disposal of treated wastewater is not feasible due to the high cost of disposal. Discharge to the sewer is not feasible because the local POTW refuses to accept the discharge. The property and the immediate vicinity have no landscaped areas that require irrigation. Since there are no feasible reuse options, the groundwater will be discharged to the storm drain.





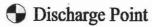


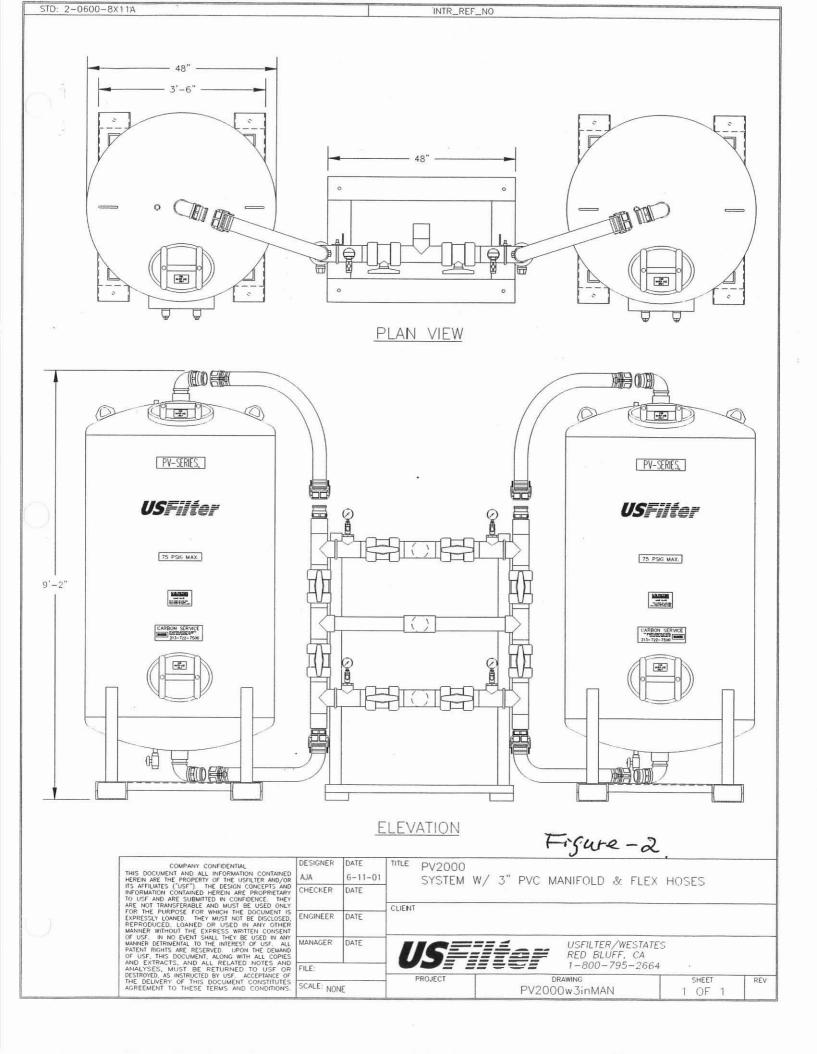
Figure - I Site Map





### **LOCATION MAP**

WELL 8
SAN ANTONIO DR and FOSTER RD
CITY OF NORWALK



## STATE OF CALIFORNIA CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD LOS ANGELES REGION

### MONITORING AND REPORTING PROGRAM NO. CI-8651 FOR

### CITY OF NORWALK (MUNICIPAL WATER SUPPLY WELL) (NPDES NO. CAG994005)

### REPORTING REQUIREMENTS

A. The discharger shall implement this monitoring program on the effective date of this permit. The discharger shall submit monitoring reports to the Regional Board by the dates in the following schedule:

Reporting Period
January - March
April - June
August 15
August 15
August 15
November 15
October - December
Annual Summary Report

Report Due
May 15
August 15
November 15
February 15
March 15

- B. The first monitoring report under this Program is due by November 15, 2003. The annual summary report, shall contain a discussion of the previous year's effluent monitoring data, as well as graphical and tabular summaries of the data. If there is no discharge during any reporting period, the report shall so state.
- C. All monitoring reports shall include the discharge limitations in the Order, tabulated analytical data, the chain of custody form, and the laboratory report (including but not limited to date and time of sampling, date of analyses, method of analysis and detection limits).
- D. Each monitoring report shall contain a separate section titled "Summary of Non-compliance" which discusses the compliance record and corrective action taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
- E. Before commencing a new discharge, a representative sample of the effluent shall be collected and analyzed for toxicity and for all the constituents listed in the Fact Sheet and the test results must meet all applicable limitations of Order No. R4-2003-0108. (Note: This requirement does not apply to existing discharges.)

### II. SAMPLE COLLECTION REQUIREMENTS (AS APPROPRIATE)

A. Daily samples shall be collected each day.

- B. Weekly samples shall be collected on a representative day of each week.
- C. Monthly samples shall be collected on a representative day of each month.
- D. Quarterly samples shall be collected in February, May, August, and November.
- E. Semi-annual samples shall be collected in May and November.
- F. Annual samples shall be collected in November.

### III. EFFLUENT MONITORING REQUIREMENTS

- A. Sampling station(s) shall be established at the discharge point and shall be located where representative samples of the effluent can be obtained. Provisions shall be made to enable visual inspections before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not commence until compliance with the requirements is demonstrated. All visual observations shall be included in the monitoring report.
- B. If monitoring result indicate an exceedance of a limit contained in Order R4-2003-0108, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been ascertained.
- C. In addition, as applicable, following an effluent limit exceedance, the discharger shall implement the following accelerated monitoring program:
  - Monthly monitoring shall be increased to weekly monitoring,
  - 2. Quarterly monitoring shall be increased to monthly monitoring,
  - 3. Semi-annually monitoring shall be increased to quarterly, and
  - 4. Annual monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate full compliance with effluent limits, the discharger may return to the regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

D. The following shall constitute the discharge monitoring program:

Constituent	Unit	Sample Type	Minimum Frequency of Analysis		
Flow	gal/day	totalizer	continuously		
рН	pH units	grab	monthly		
Temperature	°F	grab	monthly		
Total Suspended Solids	mg/L	grab	monthly		
Turbidity	NTU	grab	monthly		
BOD₅20°C	mg/L	grab	monthly		
Oil and Grease	mg/L	grab	monthly		
Settleable Solids	ml/L	grab	monthly		

Constituent	Unit	Sample Type	Minimum Frequency of Analysis		
Residual Chlorine	mg/L	grab	monthly		
Copper (Cu)	μg/L	grab	annually		
Lead (Pb)	μg/L	grab	annually		
Total Chromium	μg/L	grab	annually		
1,1 Dichloroethane	μg/L	grab	monthly		
1,1 Dichloroethylene	μg/L	grab	monthly		
1,1,1 Trichloroethane	μg/L	grab	monthly		
1,1,2 Trichloroethane	μg/L	grab	monthly		
1,1,2,2 Tetrachloroethane	μg/L	grab	monthly		
1,2 Dichloroethane	μg/L	grab	monthly*		
1,2-Trans Dichloroethylene	μg/L	grab	monthly		
Tetrachloroethylene	μg/L	grab	monthly		
Trichloroethylene	μg/L	grab	monthly		
Carbon Tetrachloride	μg/L	grab	monthly		
Vinyl Chloride	μg/L	grab	monthly		
Total Trihalomethanes	μg/L	grab	annually		
1-4 Dioxane	μg/L	grab	annually		
N-Nitrosodimethylamine	μg/L	grap	annually		
Acute Toxicity	% survival	grab	annually		

<sup>\*:</sup> Weekly for the first month and monthly thereafter if no exceedance is observed

### IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity testing tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's Methods for Measuring the Acute Toxicity of Effluents and Receiving Water to Freshwater and Marine Organisms, October 2002, (EPA/821-R-02-012) or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 document.
- B. The fathead minnow, Pimephales promelas, shall be used as the test species for fresh water discharges and the topsmelt, Atherinops affinis, shall be used as the test species for brackish discharges. The method for topsmelt is found in USEPA's Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms, Third Edition, October 2002, (EPA/821-R-02-014).
- C. If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent

limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

### V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.
- B. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new and/or renewal is obtained from ELAP.
- C. Samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.
- D. As required in part H of Order No. R4-2003-0108, the monitoring report shall specify the USEPA analytical method used, the Method Detection Limit and the Minimum Level for each pollutant.

### VI. COMPLIANCE DETERMINATION (AS APPLICABLE)

- A. Compliance with single constituent effluent limitation If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirements Section H.4. of Order R4-2003-0108), then the Discharger is out of compliance.
- B. Compliance with monthly average limitations In determining compliance with monthly average limitations, the following provisions shall apply to all constituents:
  - a. If the analytical result of a single sample, monitored monthly, quarterly, semi-annually, or annually, does not exceed the monthly average limit for that constituent, the Discharger has demonstrated compliance with the monthly average limit for that month.
  - b. If the analytical result of a single sample, monitored monthly, quarterly, semi-annually, or annually, exceeds the monthly average limit for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirements Section H.4. of Order R4-2003-0108), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as "Not-Detected (ND)" or "Detected, but Not Quantified (DNQ)" (see Monitoring and Reporting Requirements Section H.4. of Order R4-2003-0108), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

- c. In the event of noncompliance with a monthly average effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the monthly average effluent limitation has been demonstrated.
- d. If only one sample was obtained for the month or more than a monthly period and the result exceed the monthly average, then the Discharger is in violation of the monthly average limit.
- C. Compliance with effluent limitations expressed as a sum of several constituents If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.
- Compliance with effluent limitations expressed as a median in determining compliance with a median limitation, the analytical results in a set of data will be arranged in order of magnitude (either increasing or decreasing order); and
  - a. If the number of measurements (n) is odd, then the median will be calculated as =  $X_{(n+1)/2}$ , or
  - b. If the number of measurements (n) is even, then the median will be calculated as =  $[X_{n/2} + X_{(n/2)+1}]$ , i.e. the midpoint between the n/2 and n/2+1 data points.
- E. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for "Not Detected" (ND) and the estimated concentration for "Detected, but Not Quantified" (DNQ) for the calculation of the monthly average concentration. To be consistent with section VI.C., if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

### VII. NOTIFICATION

- A. The discharger shall notify the Executive Officer in writing prior to discharge of any chemical which may be toxic to aquatic life. Such notification shall include:
  - 1. Name and general composition of the chemical,
  - 2. Frequency of use,
  - 3. Quantities to be used,
  - Proposed discharge concentrations and,
  - 5. EPA registration number, if applicable.

No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

B. The discharger shall notify the Regional Board via telephone and/or fax within 24 hours of noticing an exceedance above the effluent limits in Order No. R4-2003-0108. The discharger shall provide to the Regional Board within 14 days of observing the exceedance a detailed statement of the actions undertaken or proposed that will bring the discharge into full compliance with the requirements and submit a timetable for correction.

### VIII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the discharger makes a request and the request is justified by statistical trends of monitoring data submitted. However, monitoring frequency may also increase based on site-specific conditions.

Ordered by:

Dennis A. Dickerson

**Executive Officer** 

Date:

October 14, 2003

OFFICE NO		FACILITIES INSPECTION REPORT  SWRCB 001 (REV. 5-91)  PCA System Task No.							
. WDS NU	MBER	NAME OF AGENCY OR P	OF AGENCY OR PARTY RESPONSIBLE FOR DISCHARGE			Well 8  NAME OF FACILITY			
CAG 994 NPDES N			STREET			FACILITY STREET	er Rd.		
03 (O (MM)	B -	Normalk,	CA CITY AND STATE			FACILITY CITY AND S			
SCHEDULED INSPE		Clay 1	Ranhaga		N	onsite facility coi	Clay Runta		
ACTUAL INSPECTI	ON DATE	572-79 AGENCY	29-57≥7 PHONE NO.			929-572 FACILITY PHONE NO.	7		
	Is this a type	"A1" or "B1" Compli of this report to EPA	e / EPA Joint = J) iance Inspection of an N	NPDES facility as req	uired by the se	ection 106 grant w	orkplan? (Y/N) If so,		
		INSP	ECTION TYPE	(Check One)					
A1	"A" type comp	oliance Comprehensi	ve inspection in which s	samples are taken. (I	EPA Type S)		/ \ /		
B1	"B" type compliance A routine nonsampling inspection. (EPA type C)								
02	***	32	n made to verify correct	2 2		1			
03			nade to verify that condi	itions of an enforceme	ent action are t	being met.	1		
04		re-requirement Inspection made in response to a complaint.							
05				preparing, modifying,	, or rescinding	requirements.			
	Miscellaneous	Any inspection type (Type)	If this is an EPA	a inspection not menti nonitoring, performance		S 5.5			
No	Were VIOLATION	s noted during this ins	pection? (Yes/No/Pendi	ing Sample Results)					
N	Was this a Qua	ality Assurance-Based	Inspection? (Y/N)						
<u>ķ</u>	Were bioassay	samples taken? (N =	No) If YES, then S =	Static or F = Flowt	hrough.				
	I	NSPECTION SU	MMARY (REQU	UIRED) (100 cl	naracter li	mit)			
<u>Cons</u> V <u>k</u> io	tru (at	tion ion wo	has h	ifle	Lart So-	ed;	N 0		
INSPECTOR'S DATA:	: SIGNATUR	E Lender	a-		DATE _	10/6, 03	•		
or Internal Us	se: Reviewed by	:(1)	Kyul (2)			(3)Reg. WDS Co	ordinator		

Regional Board File Number:

WDS Data Entry Date:



Plate 1. Well 8 Pump Station

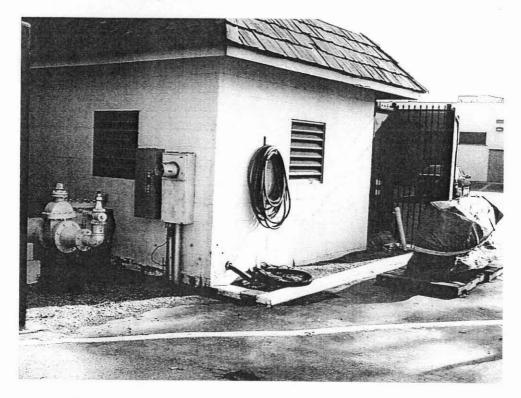


Plate 2. Proposed Activated Carbon Drums and Outfall Location

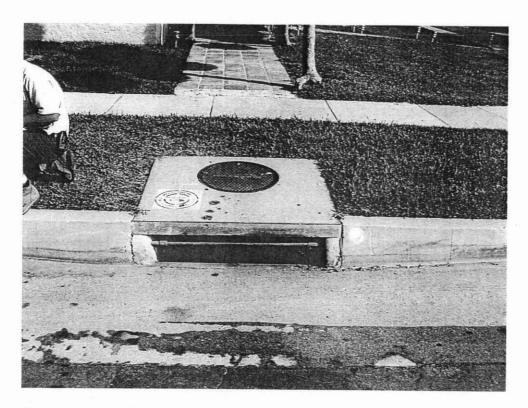


Plate 3. Storm Water Catch Basin at the Kalnor Avenue.