



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
State Pollutant Discharge Elimination System (SPDES)
DISCHARGE PERMIT
Special Conditions (Part 1)

Industrial Code	<u>4911</u>	Facility ID Number	NY <u>002 6344</u>
Discharge Class (CL)	<u>03</u>	UPA Tracking Number	<u>10-86-0879</u>
Toxic Class (TX)	<u>02</u>	Effective Date (EDP)	<u>August 1, 1987</u>
Major D.B.	<u>17</u>	Expiration Date (ExDP)	<u>August 1, 1992</u>
Sub D.B.	<u>02</u>	Modification Date(s)	
Water Index Number		Attachment(s)	<u>General Conditions (Part II, 2/85)</u>

This SPDES permit is issued in compliance with Title 6 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C. §1251 et. seq.) (hereinafter referred to as "the Act")

Attn: Madison Milhous, P.E., Manager
Environmental Engineering

Permittee Name Long Island Lighting Company
 Street 1660 Walt Whitman Rd.
 City Melville State New York Zip Code 11747

is authorized to discharge from the facility described below:

Facility Name Shoreham Nuclear Power Station
 Location (C.T.V) Brookhaven (T) County Suffolk
 Mailing Address (Street) 1660 Walt Whitman Rd.
 Mailing Address (City) Melville State New York Zip Code 11747
 from Outfall No. 001 at Latitude 40°58'28" & Longitude 72°52'03"
 into receiving waters known as Long Island Sound Class SA

and (list other Outfalls, Receiving Waters & Water Classification)

001A, 001B, 002, 003, 003A, 003B, 004 - Long Island Sound, Class SA
010, 011, 012, 020, 030, 040, 041, 042, 043, 044 - Long Island Sound, Class SA
051, 054, 055, 056 - groundwater, Class GA

County Tax Map Number:
 District 200 Section 083
 Block 1 Lot 1

in accordance with the effluent limitations, monitoring requirements and other conditions set forth in this permit
 This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed, or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal as prescribed by Sections 17-0803 and 17-0804 of the Environmental Conservation Law and Parts 621, 752, and 755 of the Departments' rules and regulations.

Deputy Regional PERMIT ADMINISTRATOR <u>David DeRidder</u>	DATE ISSUED <u>June 24, 1987</u>	ADDRESS <u>Bldg. 40, SUNY Story Brook, N.Y. 11794</u>
--	-------------------------------------	--

Distribution:
 P. Barbato J. Maloney
 J. Ascher Dr. R. Baker
 R. Hannaford Dr. Spear

David DeRidder
 SIGNATURE

9102200264 910214
 PDR ADCK 05000322
 PDR

INITIAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the Period Beginning AUGUST 1, 1987
 and lasting until ~~the exceedance of 52 licensed power operation~~ August 1, 1992

the discharges from the permitted facility shall be limited and monitored by the permittee as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max.		Measurement Frequency	Sample Type
001 - Temporary Cooling Water/Circulating Water and Service Water					
Flow	NA	Monitor	GPD	Quarterly	Calculated
Temperature	NA	Monitor	°F	Quarterly	Grab
Total Residual Chlorine	Monitor	0.2	mg/l	Continuous ^d	Recorded ^d
Boron	NA	0.7	mg/l	Ea. Discharge	Grab
001A - Demineralizer Regeneration Wastes - Make-Up Demineralizer System (Non-Radioactive)					
Suspended Solids	30	50	mg/l	Monthly	Grab
Oil and Grease	Monitor	15	mg/l	Quarterly	Grab
pH (Range)	NA	6.0-9.0	SU	Continuous	Ea. Batch
Conductivity*	NA	50	micromhos/cm ³	Continuous	Ea. Batch
001B - Radwaste Facility (Demineralizer Regeneration Wastes & Flush Waters)					
Iron	NA	Monitor	mg/l	Weekly Monthly	Grab
Suspended Solids	30	50	mg/l	Weekly Monthly	Grab
Oil and Grease	NA	15	mg/l	Weekly Monthly	Grab
pH (Range)	NA	6.0-9.0	SU	Weekly Monthly	Grab
Radioactivity ^e	NA ^c	NA ^c	NA ^c	NA ^c	NA ^c
002 Floor Drains, Storm & Roof Drains Floor Drains: Chlorine Monitor & Fire Pump House; Storm Drains					
Oil and Grease	NA	15	mg/l	Quarterly	Grab
003 - Oil Water Separator (Auxiliary Boiler Blowdown, EDG Floor Drains, Control Building Drains); Oil Water Separator (Colt Emergency Diesel Generator Building); Roof and Yard Drains^{b, f}					
Flow	300 NA	Monitor ^e	GPD	2 Monthly	Estimated
Iron	NA	Monitor	mg/l	2 Monthly	Grab
Suspended Solids	30	50	mg/l	2 Monthly	Grab
Oil and Grease	NA	15	mg/l	2 Monthly	Grab
pH (Range)	NA	6.0-9.0	SU	2/Month	Grab
004 - Oil Water Separator^{h, i}					
Oil and Grease	Monitor	15	mg/l	2/Month	Grab
Suspended Solids	NA	50	mg/l	Monthly	Grab

INITIAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSDuring the Period Beginning August 1, 1987and lasting until the exceedance of 5% licensed power operation

the discharges from the permitted facility shall be limited and monitored by the permittee as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max.		Measurement Frequency	Sample Type
003B - Oil Water Separator (Cold Emergency Diesel Generator Building) No. 1					
Flow	100	Monitor	GPD	2/month	Estimated ✓
Oil and Grease	Monitor	15	mg/l	2/month	Grab
Suspended Solids	NA	50	mg/l	2/month	Grab
004 - Emergency Generator Cooling Water ^a					
Flow	NA	Monitor	GPD	Monthly	Instantaneous
Discharge Temperature	NA	110	°F	Monthly	Grab
Discharge Temperature Difference	NA	30	°F	Monthly	Grab
051, 054, 055, 056	Sanitary wastes only (to replace former SPDES permit numbers NY-0132969, NY-0173509, NY-0180700, NY-0055829)				

* Monitoring and limits effective only when demineralized water is discharged with a pH less than 6.

~~DELETE~~~~FINAL~~ EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the Period Beginning at the exceedance of 5% licensed power operation
 and lasting until August 1, 1992
 the discharges from the permitted facility shall be limited and monitored by the
 permittee as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max.		Measurement Frequency	Sample Type
D10 Once Through Cooling Water/circulating water and service water Flow	Monitor	Monitor	MGD	Continuous	Calculated
Discharge Temperature	Monitor	109	°F	Continuous ^a	Recorder
Intake-Discharge Temperature Difference ^b	Monitor	30	°F	Continuous	Calculated
Net Rate of Addition of Heat	NA	5.9×10^6	BTU/hr	No monitoring required	
Total Residual Chlorine ^c	Monitor	0.2	mg/l	Continuous ^d	Recorder ^e
				during period of chlorination	
Boron ^f	Monitor	0.7	mg/l	Es Discharge	Grab
D12 Radwaste System Wastewater Effluent					
Solids, Suspended	30	50	mg/l	Once Per Batch	Grab
Oil and Grease	Monitor	15	mg/l	Once Per Batch	Grab
pH (Range)	NA ^g	6.0 - 9.0	SU	Once Per Batch	Grab
Radioactivity ^h	NA ^g	NA ^g	kA ^g	NA ^g	NA ^g
D11 Demineralizer Regeneration Wastes					
Solids, Suspended	30	50	mg/l	Once Per Batch	Grab
Oil and Grease	Monitor	15	mg/l	Once Per Batch	Grab
pH (Range)	NA	6.0 - 9.0	SU	Continuous	Es. Batch
Conductivity ⁱ	NA	50	Micromhos/cm ³	Continuous	Es. Batch
O20 ^d Floor Drains & Storm Drains					
Flow	Monitor	Monitor	GPD	2/Month	Estimated
Oil and Grease	Monitor	15	mg/l	2/Month	Grab
Solids, Suspended	30	50	mg/l	2/Month	Grab
pH (Range)	NA	6.0 - 9.0	SU	2/Month	Grab
O30 ^d Floor Drains, Auxiliary Boiler Blowdown, Oil Separation Unit and Storm Drains					
Flow	Monitor	Monitor	GPD	2/Month	Estimated
Oil and Grease	Monitor	15	mg/l	2/Month	Grab
Solids, Suspended	30	50	mg/l	2/Month	Grab
pH (Range)	NA	6.0 - 9.0	SU	2/Month	Grab

DELETE**FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**During the Period Beginning at the exceedance of 5% licensed power operationand lasting until August 1, 1992

the discharges from the permitted facility shall be limited and monitored by the permittee as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations			Minimum Monitoring Requirements	
	Daily Avg.	Daily Max.	Units	Measurement Frequency	Sample Type
D40 Screenwash Return Water and Fish Return System (No Monitoring Required)					
D41, D42, D43 Screenwash Return Water (No Monitoring Required)					
D44 Emergency Generator Cooling Water ^c					
Flow	NA	Monitor	GPD	Monthly	Instantaneous
Discharge Temperature	Monitor	110	°F	Weekly	Grab
Discharge Temperature Difference	Monitor	30	°F	Weekly	Grab
D51, D52, D55, D56	Sanitary wastes only (to replace former GPDES permit nos. NY-0132969, NY-0173509, NY-0186700, NY-0055829)				

FOOTNOTES

- ~~a. Monitored continuously and logged every fifteen minutes.~~
- ~~b. This value may be exceeded by not more than 10°F for not more than 2% of the time per year.~~
- ~~c. There shall be no discharge of emergency cooling water while impinged fish are being returned via outfall D40 unless these fish can be safely retained in the fish holdup pond.~~
- ~~d. This waste stream is to be sampled when there is no discharge from storm drains.~~
- ~~e. Permittee will submit radioactivity monitoring reports required by the Nuclear Regulatory Commission for this monitoring requirement.~~
- ~~f. The boron effluent limit is met by sampling the process stream and then calculating the required dilution to insure that discharges are within permit limits.~~
- ~~g. In the event of continuous monitor failure monitoring will be conducted by taking a grab "sample type" and "measurement frequency" will be once every eight hours for Outfall 001, D40 during periods of service water chlorination, or once every 30 minutes while chlorinating condenser water; EPA approved methods for testing as per 40 CFR 136 will be utilized.~~
- ~~h. Flow is limited to the design capacity for the oil/water separator.~~
- ~~i. Samples shall be taken at two week intervals.~~

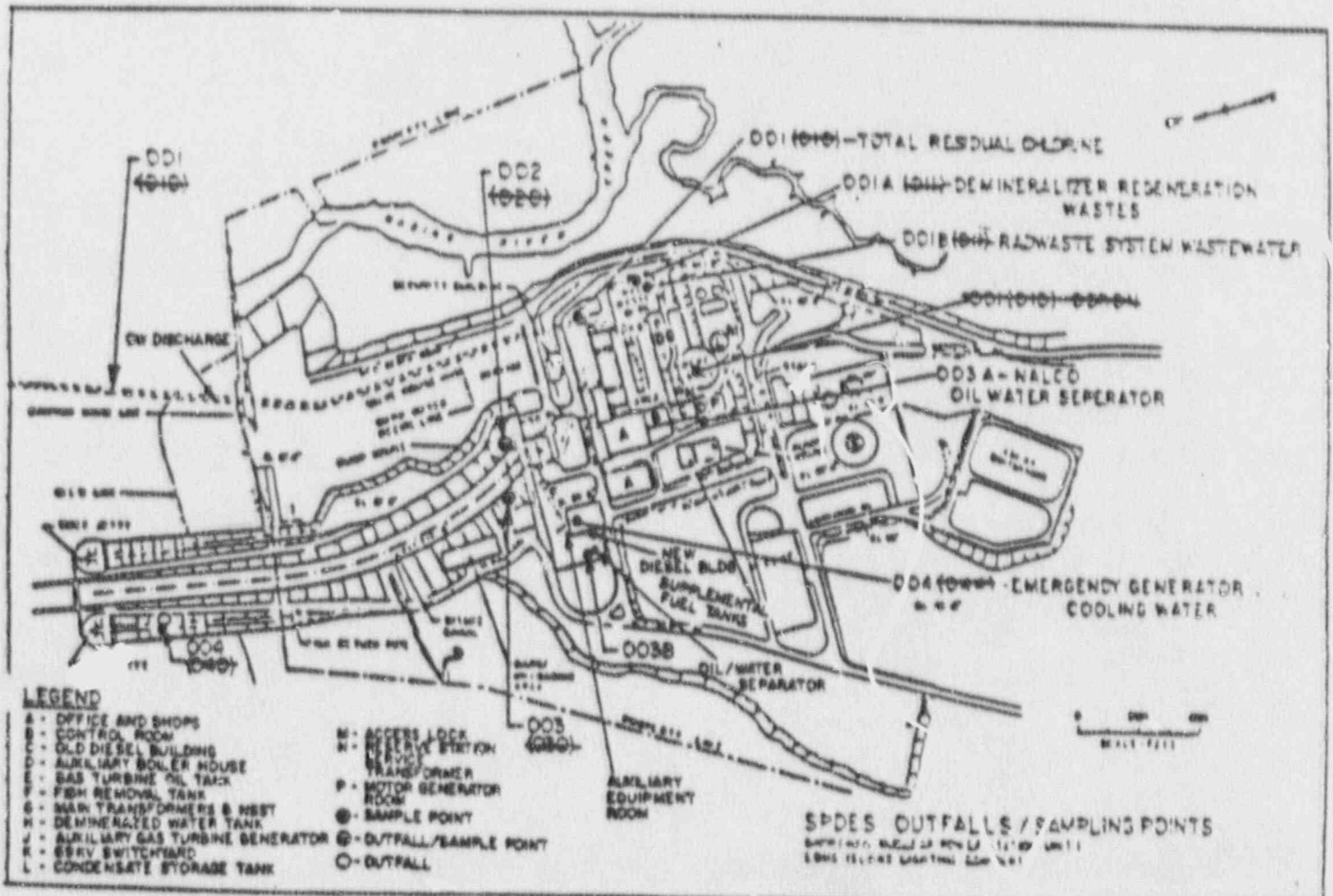
Definition of Daily Average and Daily Maximum

The daily average discharge is the total discharge by weight or in other appropriate units as specified herein, during a calendar month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of all the measured daily discharges in appropriate units as specified herein divided by the number of days during the calendar month when the measurements were made.

The daily maximum discharge means the total discharge by weight or in other appropriate units as specified herein, during any calendar day.

Monitoring Locations

Permittee shall take samples and measurements to meet the monitoring requirements at the locations indicated hereon. (Show locations of outfalls with sketch or flow diagram as appropriate) as shown on attached drawings and or identified in accompanying monitoring descriptions.



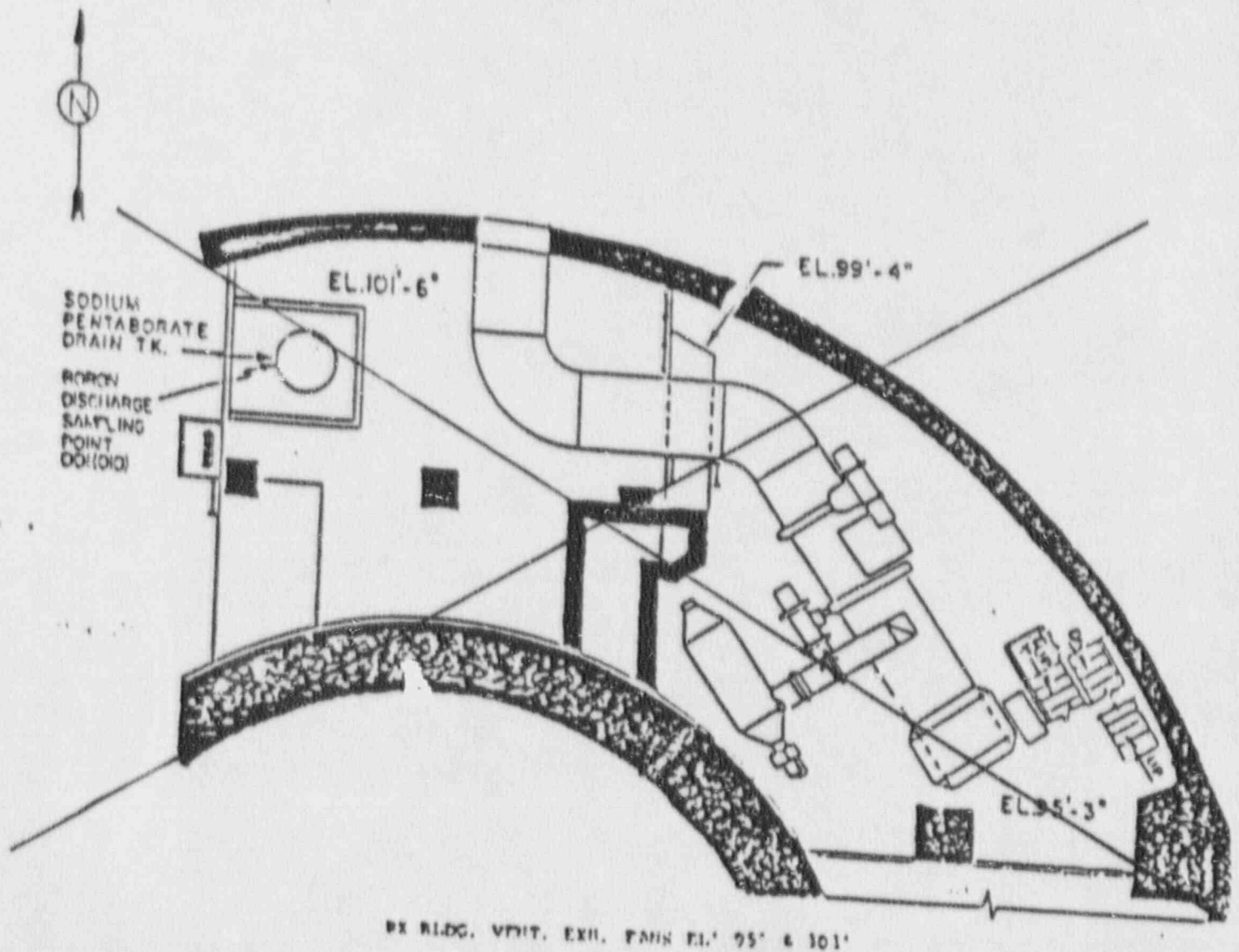
DISCHARGE MONITORING POINT DESCRIPTIONS

001 (010): Total Residual Chlorine is continuously monitored by means of an Orion Chlorine Analyzer which is located in the Circulation Water Auxiliary Structure (approximately 100 feet north of the RAD Waste Building). (See Site Plan on page 6 of 14)

~~During the pre-operational stage of the plant, Circulating Water Discharge Temperature is obtained by means of a grab sample taken from the Chlorine Monitor Sample pump which is located in the Circulation Water Auxiliary Structure (approximately 100 feet north of the RAD Waste Building). (See Site Plan on page 6 of 14)~~ ^{Service}

~~During the operational stage of the plant, a computer monitors the circulating water discharge temperature every ten minutes at a point located downstream of the chlorine analyzer.~~

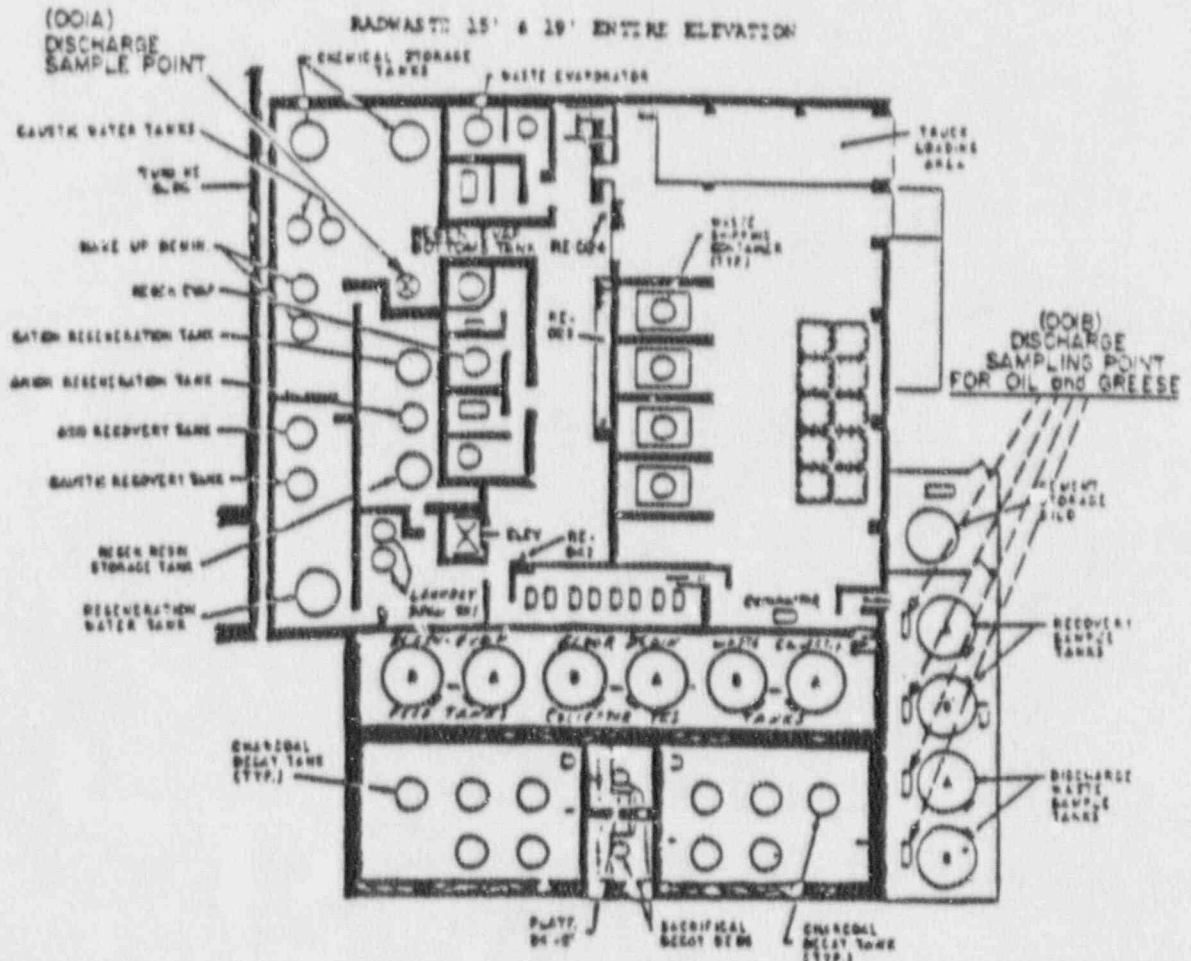
~~Boron is sampled from the Standby Liquid Control Drain Tank which is located in the Reactor Building. The grab sample is obtained from the hatchway in the tank. (See Sketch below)~~



Discharge Monitoring Point Descriptions-Continued

D01A(011): Each parameter is sampled from a tap valve off of the recirculating line for the continuous pH monitor. The sample location is on the 15 foot elevation on the north side of the RAD Waste Building. (See Sketch Below :)

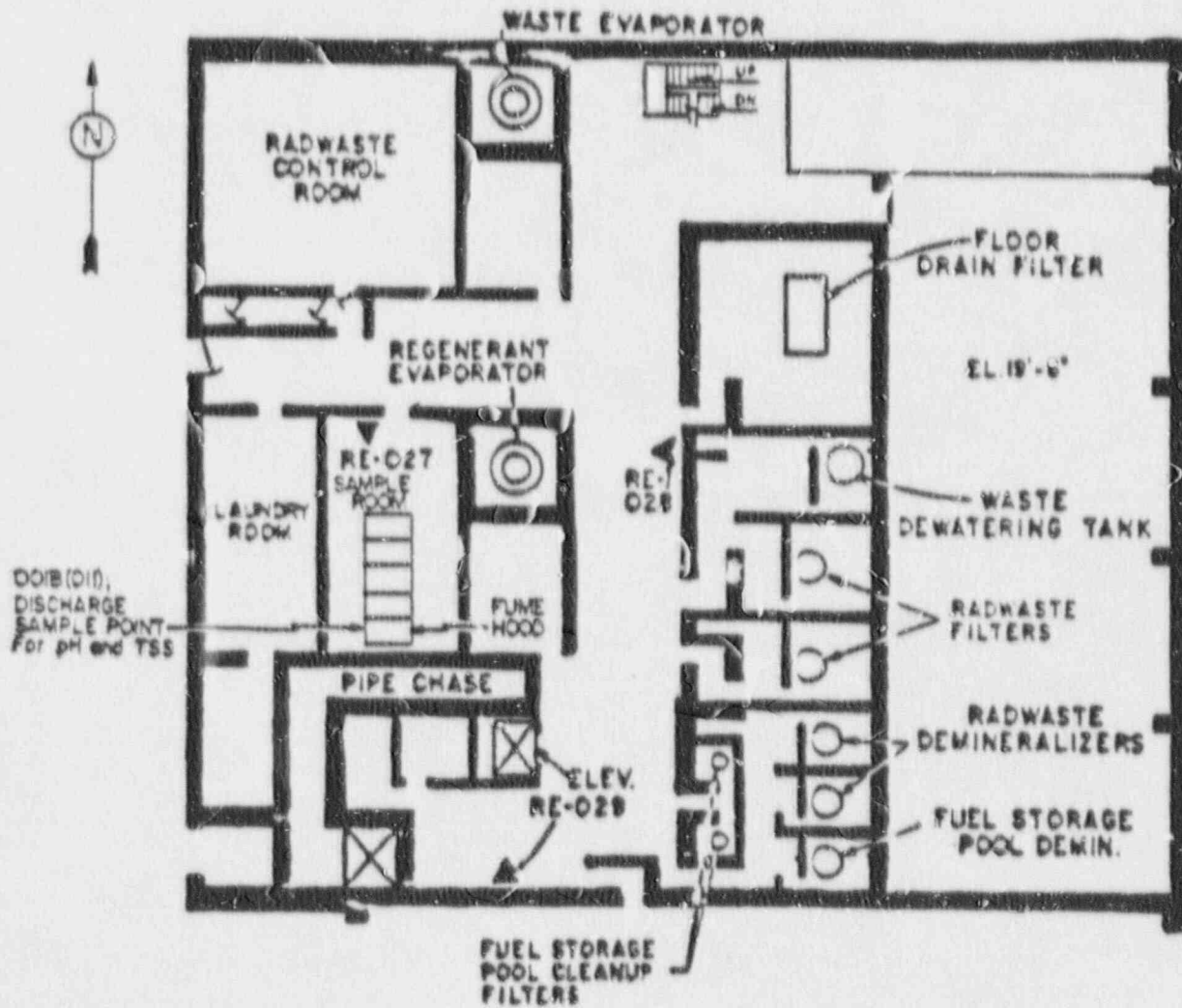
D01B(011): Oil & Grease Samples are collected from the tank recirculating pump that is located on the South East side of the Rad-Waste Building, when radiological conditions permit. (See Sketch below:)



Discharge Monitoring Point Descriptions-Continued

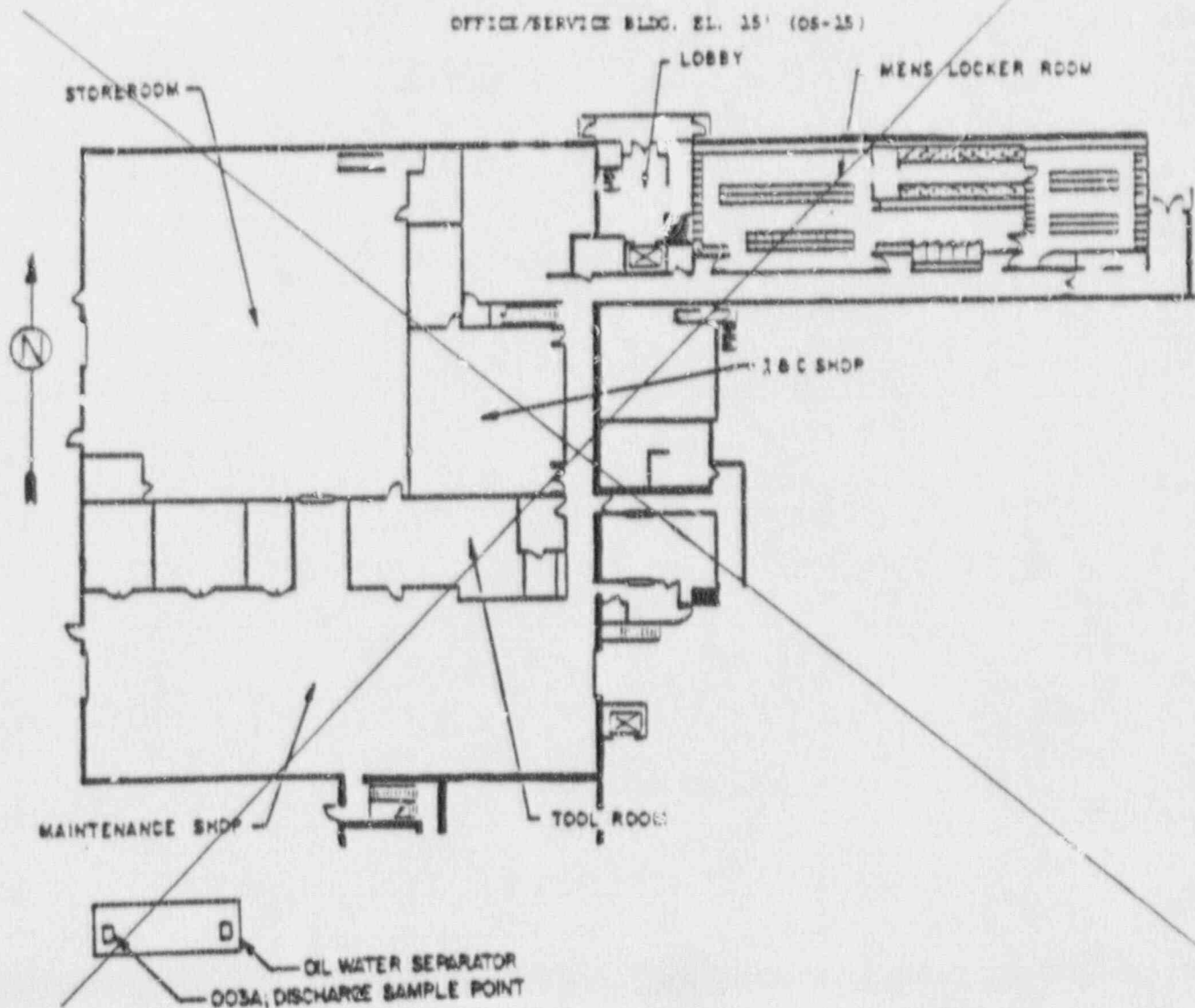
DO1B(011): Each tank is sampled in a fume hood located in the Sample Room of the RAD Waste Building. The Sample Room is located on the 37 foot elevation at the north side of the RAD Waste Building. Each recovery sample tank and discharge waste sample tank has a dedicated sample line and valve. (See Sketch Below:)

RADWASTE BLDG., EL., 37' NORTH



Discharge Monitoring Point Descriptions-Continued

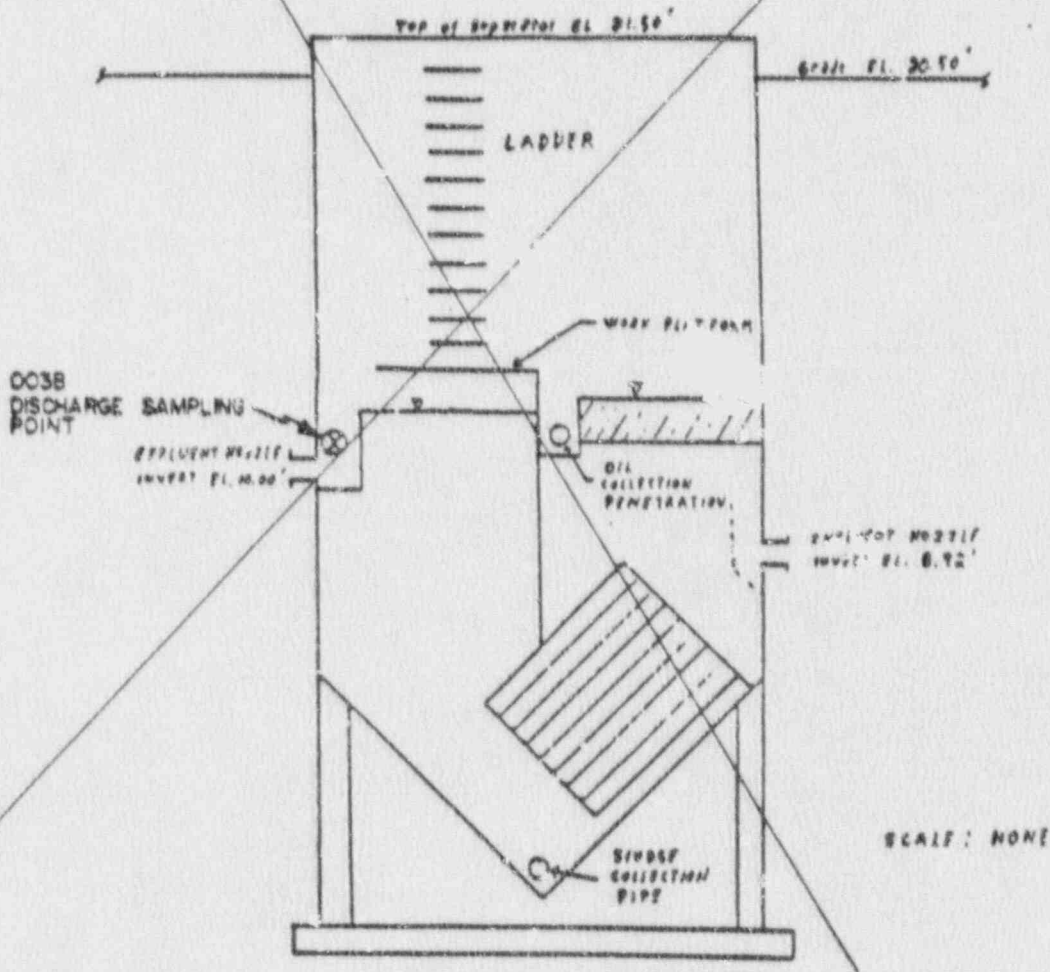
- D02 (#20): Sample point is located at the end of the discharge pipe which is located on the east side of the intake canal and adjacent to the intake structure. (See Site Plan on page 6 of 14).
- D03 (#30): Sample point for each parameter is located at the end of the discharge pipe which is located on the west side of the intake canal and adjacent to the intake structure. (See Site Plan on page 6 of 14)
- D03A: ~~Sample point is located at the oil-water separator located adjacent to, and southwest, of the Office and Service Building. The sample is collected at the outlet of the discharge weir on the west side of the oil-water separator. Sampling access is gained through a two-foot square steel narway. (See Sketch below)~~



DISCHARGE MONITORING POINT DESCRIPTIONS-CONTINUED

003B

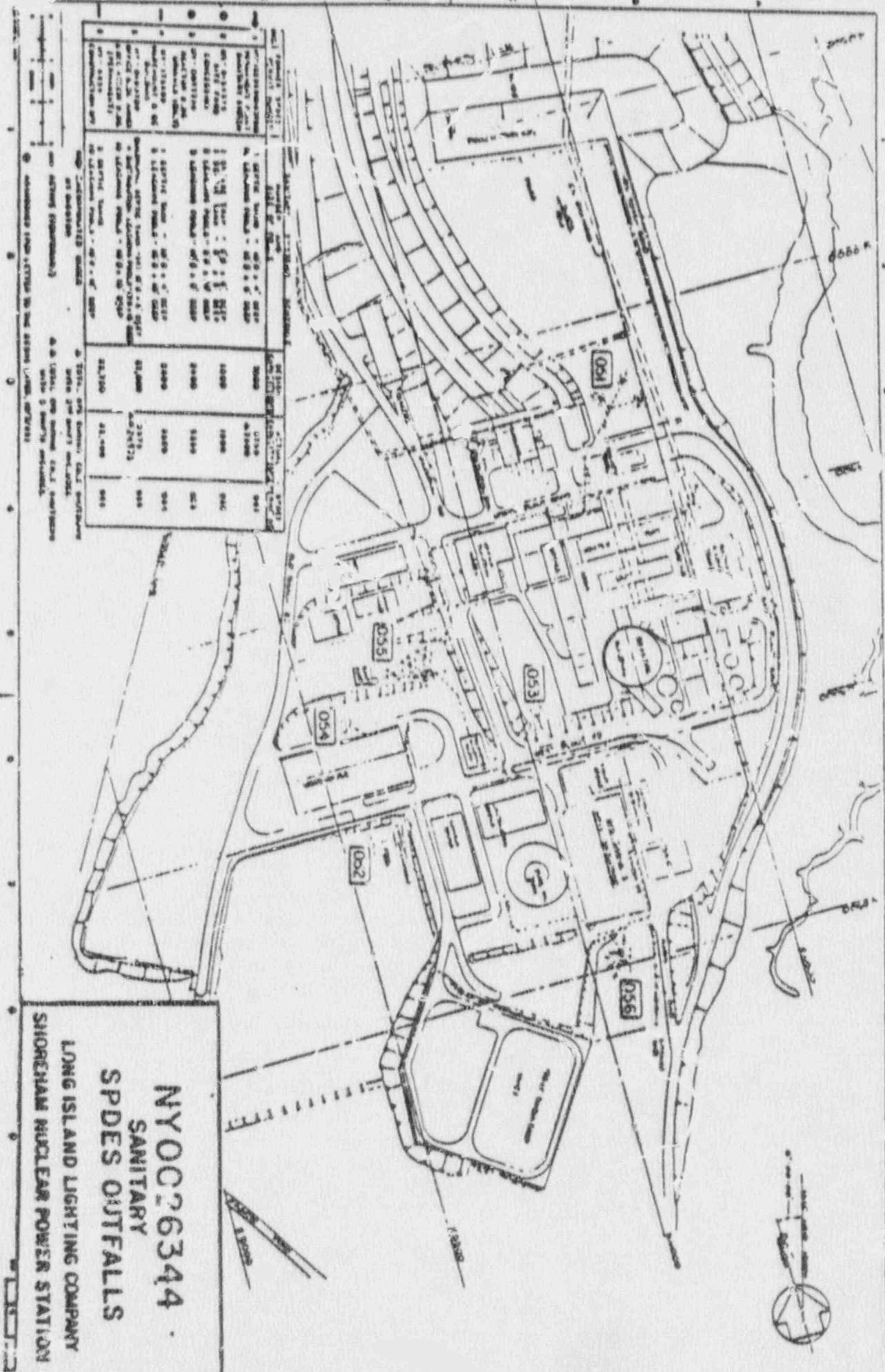
The sampling point is at the oil-water separator located on the west-side of the Colt Emergency Diesel Building. (See Site Plan) Sampling access to the oil-water separator is gained through a manway and ladder. The sample is collected from the effluent water basin which is located directly beneath the access ladder. (See Sketch Below)



004(044):

Inlet temperature is recorded from the dial temperature device which is located at the service water inlet line to the Colt Emergency Diesel Engine.

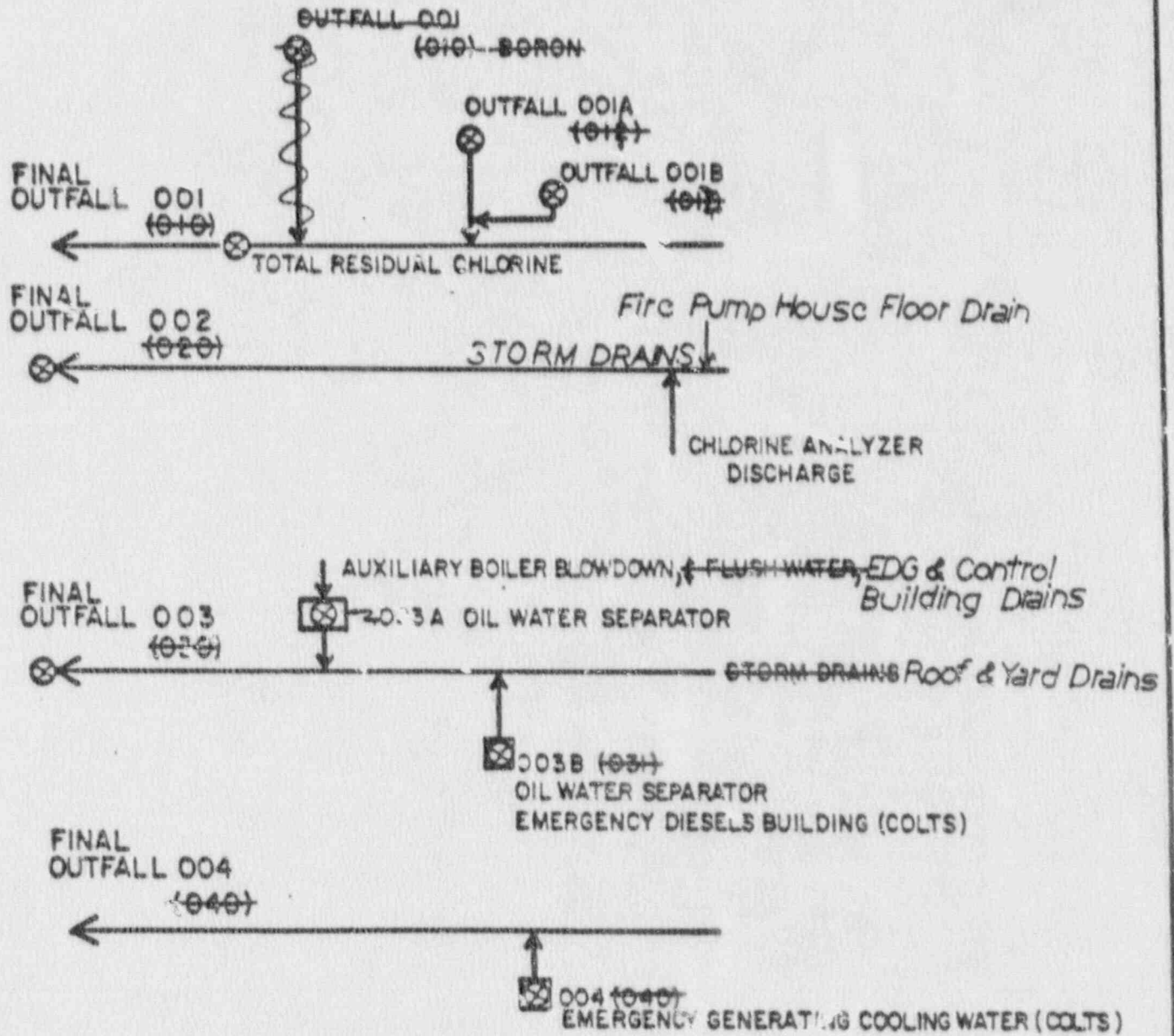
Outlet temperature is recorded from the dial temperature device which is located on the discharge line of the heat exchanger of the Colt Emergency Diesel Engine.



NO.	DESCRIPTION	AREA (SQ. FT.)	VOLUME (CU. YD.)	EST. COST (\$)
1	OUTFALL STRUCTURE	10000	10000	10000
2	CONCRETE	20000	20000	20000
3	STEEL	30000	30000	30000
4	PIPE	40000	40000	40000
5	FOUNDATION	50000	50000	50000
6	LANDSCAPING	60000	60000	60000
7	UTILITIES	70000	70000	70000
8	ROADS	80000	80000	80000
9	DRAINAGE	90000	90000	90000
10	LANDSCAPING	100000	100000	100000
11	UTILITIES	110000	110000	110000
12	ROADS	120000	120000	120000
13	DRAINAGE	130000	130000	130000
14	LANDSCAPING	140000	140000	140000
15	UTILITIES	150000	150000	150000
16	ROADS	160000	160000	160000
17	DRAINAGE	170000	170000	170000
18	LANDSCAPING	180000	180000	180000
19	UTILITIES	190000	190000	190000
20	ROADS	200000	200000	200000
21	DRAINAGE	210000	210000	210000
22	LANDSCAPING	220000	220000	220000
23	UTILITIES	230000	230000	230000
24	ROADS	240000	240000	240000
25	DRAINAGE	250000	250000	250000
26	LANDSCAPING	260000	260000	260000
27	UTILITIES	270000	270000	270000
28	ROADS	280000	280000	280000
29	DRAINAGE	290000	290000	290000
30	LANDSCAPING	300000	300000	300000

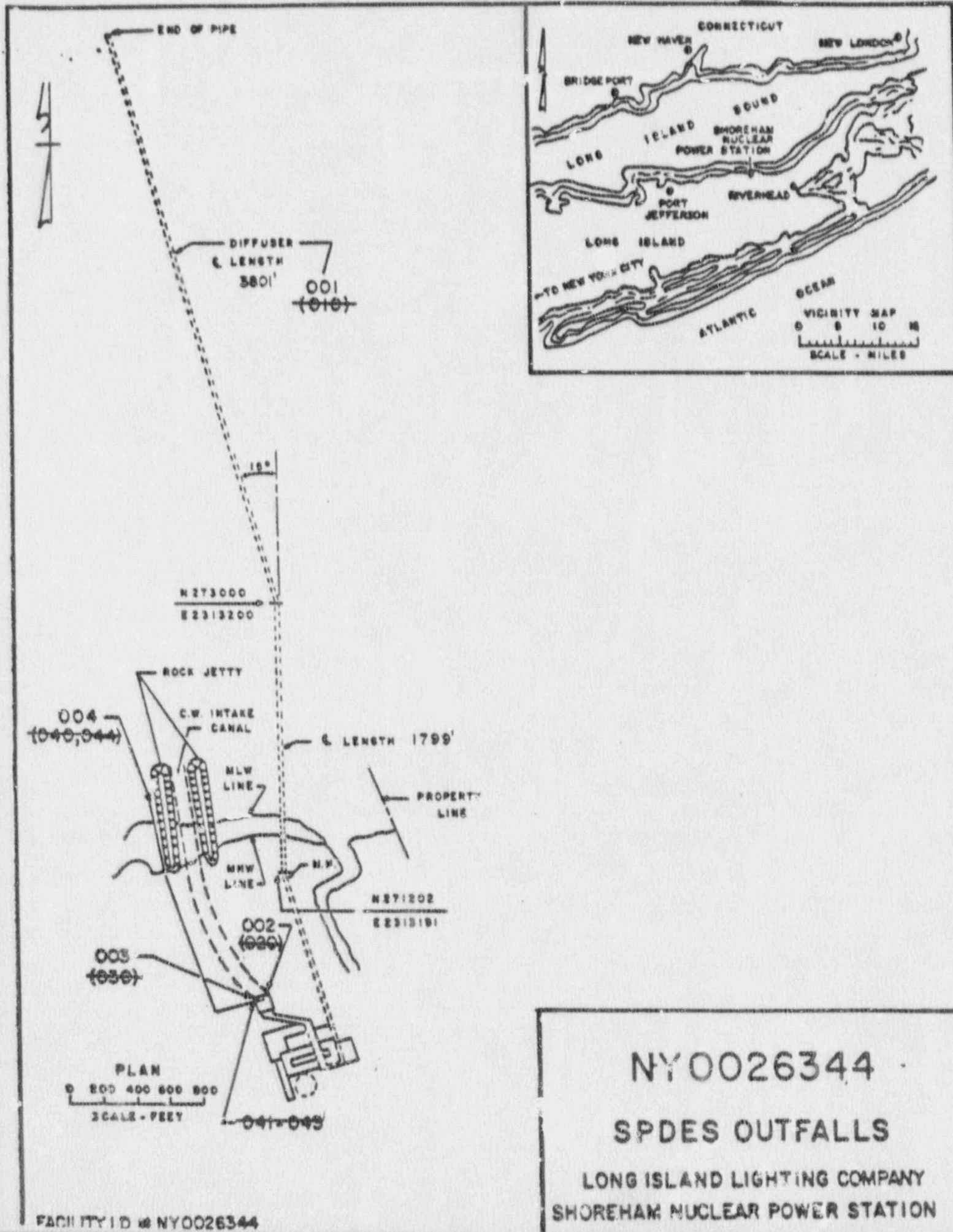
NY0026344
 SANITARY
 SPDES OUTFALLS
 LONG ISLAND LIGHTING COMPANY
 SHOREHAM NUCLEAR POWER STATION

FLOW DIAGRAM



NOTE: ~~(X)~~ - INDICATES FINAL PHASE
 ⊗ - INDICATES SAMPLING LOCATIONS

NY0026344
SPDES MONITORING LOCATIONS
 LONG ISLAND LIGHTING COMPANY
 SHOREHAM NUCLEAR POWER STATION



NY 0026344
SPDES OUTFALLS
 LONG ISLAND LIGHTING COMPANY
 SHOREHAM NUCLEAR POWER STATION

ADDITIONAL REQUIREMENTS

1. There shall be no discharge of PCB's from this facility.
2. There shall be no discharge of boiler cleaning wastewaters from this facility.
3. No biocides, corrosion control chemicals, or other water treatment chemicals are authorized for use by the permittee, except for those listed in the permit application. If other water treatment chemical additives are contemplated, application for their approval must be made to the Department.
4. ~~Within 180 days after the exceedance of 5% licensed power operation the~~ Company shall file for approval with the Department at its offices in Stony Brook and in Albany a report on all water treatment, corrosion inhibitor, anti-fouling, slimicide, biocide, and boiler cleaning chemicals or compounds. Such report shall identify each product by chemical formula and/or composition, annual consumption, frequency of use, maximum use per incident, effluent concentration, available bio-assay and toxicity limits and procedures for use.
5. ~~The Company shall initiate its aquatic monitoring program at commercial licensed power operation. By 180 days following the collection of one year of monitoring data, an annual report summarizing this data shall be submitted to the Department Office in Stony Brook. A copy of this report shall be sent to the NRC in compliance with the plant's Environmental Protection Plan, which is in Appendix B of the "Operating License".~~
6. The location, design, construction and capacity of this facility's cooling water intake structure shall reflect the best technology available for minimizing adverse environmental impact. A determination of BAT in regards to the intake structure will be made following NYSDEC review of the post operational monitoring studies.
7. ~~Starting 90 days after the exceedance of 5% licensed power operation the~~ Company shall submit ~~to the~~ Department at its offices in Stony Brook and in Albany a monthly report ~~on the~~ daily operating data by the 28th of the month following:
 - (a) ~~Daily minimum, maximum, and average station electrical output shall be determined and logged.~~

- ~~(b) Daily minimum, maximum and average circulating water use shall be directly or indirectly measured or calculated and logged.~~
- ~~(c) Temperature of the intake and discharge shall be measured and recorded continuously. Daily minimum, maximum, and average intake and discharge temperatures shall be logged.~~
8. ~~Within 180 days after the exceedance of 5% licensed power operation the permittee shall file for approval with the Department at its offices in Stony Brook and in Albany, a report for a plan of study that will verify the location of the discharge plume. The plume verification program shall commence 60 days after commercial operation of this facility begins and shall include the following elements:~~
- ~~(a) surveys conducted in the spring, summer, and winter;~~
- ~~(b) transect temperature surveys made by actual temperature measurement of the mixing zone, and any additional area having a surface water temperature rise of 1°F or more above ambient; with correlation, dye studies or infrared overflight data may be proposed as substitutes for certain surveys.~~
- ~~(c) studies shall be conducted only when plant load is significant and steady-state conditions have been obtained;~~
- ~~(d) surveys shall be taken under four tidal stage conditions:~~
- ~~(a) a complete report of the year-long thermal survey program which shall be filed within 120 days of completion of the final survey and include results of all surveys, a discussion of the occurrences and results of each survey, and the correlation of field measurements with the predicted temperature distributions; and~~
- ~~(f) based upon the results of the first year's studies, additional partial or complete thermal surveys in subsequent years as may be required to properly appraise the discharge plume.~~
9. The water temperature at the surface of Long Island Sound shall not be raised more than 4 Fahrenheit degrees from October through June nor more than 1.5 Fahrenheit degrees from July through September over that which existed before the addition of heat of artificial origin, except that within a radius of 300 feet or equivalent area from the point of discharge, this temperature may be exceeded.
10. ~~The Department has approved a request pursuant to 316(a) of the Clean Water Act for alternative thermal effluent limitations at this facility. The thermal effluent limitations on page 3 of this permit reflect this approval. Following Department review of post operational monitoring reports, the Department may reaffirm this decision or establish a compliance schedule for retrofitting cooling towers, should they be so required.~~

11. Nothing in this permit abridges the permittee's standard rights of appeal should NYSDEC decide to impose additional provisions pursuant to requirements #5, 6, and 10.

~~12. Section 704.2(a)(6) of the State Thermal Criteria, which prohibits scheduled facility shutdown during the winter months, is waived due to the operating characteristics of the facility's diffuser. Scheduled facility shutdown is permitted during the winter months, following prior notification of NYSDEC offices in Stony Brook (Division of Marine Resources). This waiver may be revoked based on NYSDEC review of post-operational monitoring results.~~

13. Chlorination

~~(a) Condenser cooling water may not be chlorinated for more than two hours per day. Chlorination of service water is allowed for 24 hours per day.~~

~~(b) Within 180 days of the exceedance of 57 licensed power operation the permittee shall submit for NYSDEC approval, a plan of study for a chlorine minimization program for condenser cooling water. This program shall be conducted in accordance with Appendix B of the Steam Electric Effluent Guidelines.~~

~~(c) By two months after the exceedance of 57 licensed power operation of service cooling water, the permittee shall submit a plan of study for chlorine minimization of the service water cooling system. The plan of study shall include the items specified in the permittee's 5/24/83 request letter. The Department will review the results of this study to determine whether the variance approval described in (a) above should be continued.~~

14. The corrosion inhibitor, "NALCO Sure-Cool 1355, is the only chemical additive authorized for use. Use of any other chemical additives requires prior written approval from NYSDEC.

~~15. LILCO must submit completed form 2C for this facility within 60 days from the date that the plant exceeds 57 power. At that time the date will be reviewed by this Department and a new permit may be issued or the existing one modified to reflect the data submitted on 2C application.~~

SCHEDULE OF COMPLIANCE FOR EFFLUENT LIMITATIONS

(a) Permittee shall achieve compliance with the effluent limitations specified in this permit for the permitted discharge(s) in accordance with the following schedule:

Action Code	Outfall Number(s)	Compliance Action	Due Date
01	A11	Engineering Report - Chemicals - (Additional Requirement #4)	Exceedance of 5% Licensed Power Operation + 60 days
44	NA	Aquatic Monitoring Report - Effects of Circulating Water System Monitoring Study (Additional Requirement #5)	6 Mths After the Completion of 1 Year Sampling
14	010	Plan of Study - Plume Verification Program (Additional Requirement #8)	Exceedance of 5% Licensed Power Operation + 180 days
48	010	Engineering Report - Plume Verification Program (Additional Requirement #8)	120 Days After Completion of Study
26	010	Plan of Study - Chlorine Minimization Program (Additional Requirement #12b)	Exceedance of 5% Licensed Power Operation + 180 days
	010	Plan of Study - Chlorine Minimization Program (Additional Requirement #13c)	Exceedance of 5% Licensed Power Operation + 60 days
	003A & 003B		Date of Insurance + 6 months

~~A short-term, high-intensity monitoring program will be conducted to measure the concentrations of lead, calcium and RTX in the effluent of the oil water separator (Outfall 003A and 003B). Sampling shall be conducted every 2 weeks using grab method, to continue for 12 months. Submit sample results monthly to Regional Water Engineer, Stony Brook; Chief, Compliance, Section, Albany, ATTN: Walter Loweridge; and Gordon Watt, Pollutior Control, Suffolk County Department of Health Serv. - 15 Horseblock Place, Farmingville, N.Y. 11735.~~

(b) The permittee shall submit to the Department of Environmental Conservation the required document(s) where a specific action is required in (a) above to be taken by a certain date, and a written notice of compliance or noncompliance with each of the above schedule dates, postmarked no later than 14 days following each elapsed date. Each notice of compliance shall include the following information:

1. A short description of the noncompliance;
2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirement without further delay;
3. A description of any factors which tend to explain or mitigate the noncompliance; and
4. An estimate of the date permittee will comply with the elapsed schedule requirement and an assessment of the probability that permittee will meet the next scheduled requirement on time.

SCHEDULE OF COMPLIANCE FOR EFFLUENT LIMITATIONS (continued)

(c) The permittee shall submit copies of the written notice of compliance or noncompliance required herein to the following offices:

Chief, Compliance Section
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12242

Regional Water Engineer, Region 1
New York State Department of Environmental Conservation
Building 40 - SUNY
Stony Brook, New York 11794

Suffolk County Department of Health Services
15 Horseblock Place
Farmingville, N.Y. 11738

Att: James Maloney

Dr. Richard Baker
USEPA, Region II
26 Federal Plaza
New York, New York 10278

The permittee shall submit copies of any engineering reports, plans of study, final plans, as-built plans, infiltration-inflow studies, etc. required herein to the New York State Department of Environmental Conservation Regional Office specified above unless otherwise specified in this permit or in writing by the Department or its designated field office.

MONITORING, RECORDING AND REPORTING

a) The permittee shall also refer to the General Conditions (Part II) of this permit for additional information concerning monitoring and reporting requirements and conditions.

b) The monitoring information required by this permit shall be:

Summarized, signed and retained for a period of three years from the date of sampling for subsequent inspection by the Department or its designated agent.

Summarized and reported by submitting completed and signed Discharge Monitoring Report forms once every _____ month to the locations specified below. Blank forms available at department offices listed below. The first report will be due no later than September 28, 1987.

Thereafter, reports shall be submitted no later than the 28th of each following month(s):

Department of Environmental Conservation
Regional Water Engineer, Region 1
Building 40 - SUNY
Stony Brook, New York 11794

Suffolk County Department
of Health Services
15 Horseblock Place
Farmingville, New York 11738

ATTN: J. Maloney, P.E.

Department of Environmental Conservation
Water Division
50 Wolf Road
Albany, New York 12233

(applicable only if checked)

Dr. Richard Baker Chief
Permit Administration Branch
Planning & Management Division
USEPA Region II, 26 Federal Plaza
New York, New York 10278

- c) If so directed, Monthly Wastewater Treatment Plant Operator's Reports should be submitted to the Regional Engineer and County Health Department or County Environmental Control Agency specified above.
- d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
- e) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculations and recording of the data on the Discharge Monitoring Reports.
- f) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.
- g) Unless otherwise specified, all information recorded on the Discharge Monitoring Report shall be based upon measurements and sampling carried out during the most recently completed reporting period.
- h) On or after April 1, 1984, any laboratory test or sample analysis required by this permit for which the State Commissioner of Health issues certificates of approval pursuant to section five hundred two of the Public Health Law shall be conducted by a laboratory which has been issued a certificate of approval. Inquires regarding laboratory certification should be sent to the Laboratory Certification/Quality Assurance Group, New York State Health Department Center for Laboratories and Research, Division of Environmental Sciences, The Nelson A. Rockefeller Empire State Plaza, Albany, New York 12201.

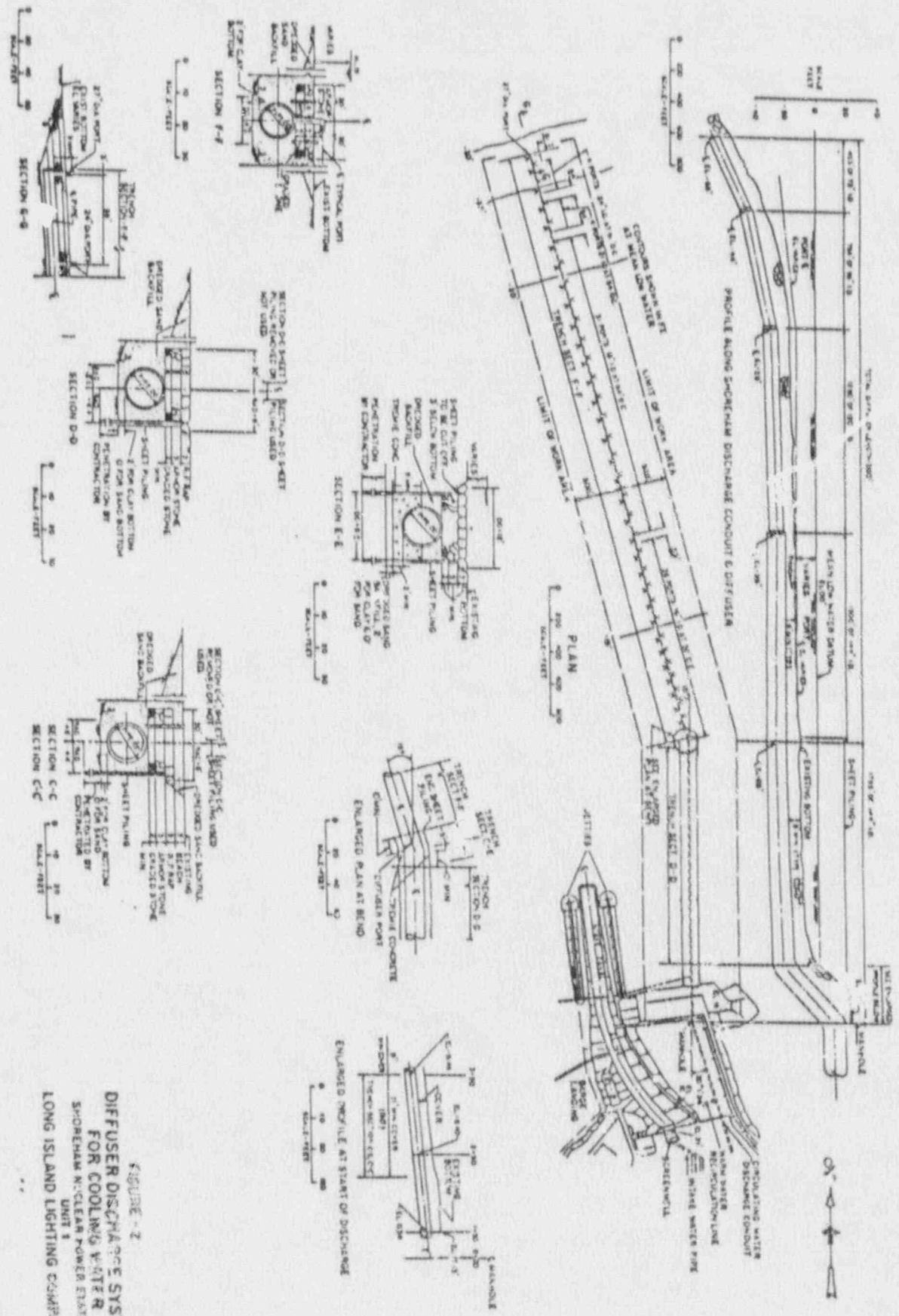


FIGURE - 2
 DIFFUSER DISCHARGE SYSTEM
 FOR COOLING WATER
 SHOREHAM NUCLEAR POWER STATION
 UNIT 1
 LONG ISLAND LIGHTING COMPANY

FIGURE 3-1

CHLORINATION STUDY
MARCH 7 THRU 8, 1990
CLZ-184 VS MANHOLE

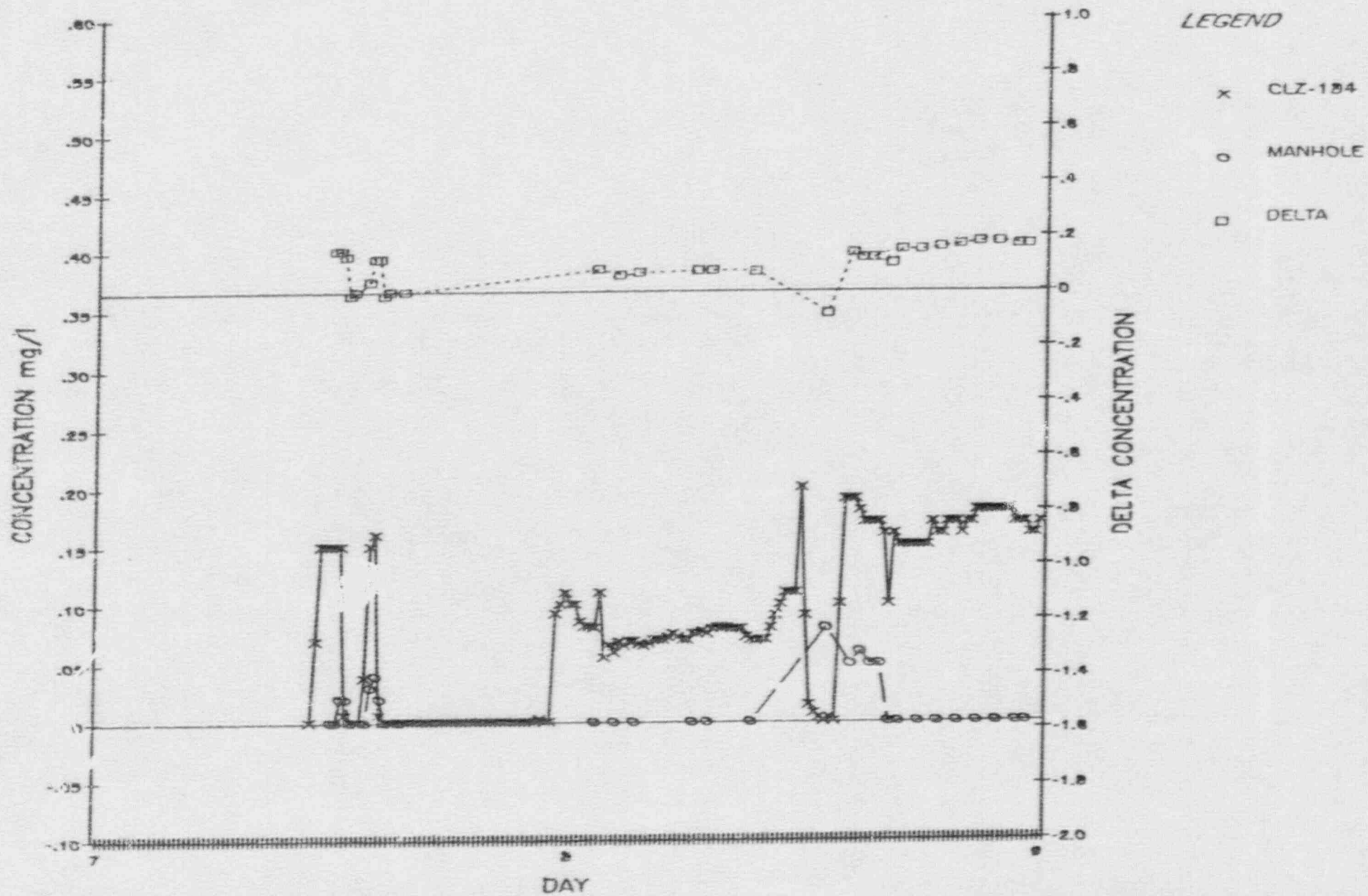


FIGURE 3-2
 CHLORINATION STUDY
 MARCH 9 THRU 10, 1990
 CLZ-184 VS MANHOLE

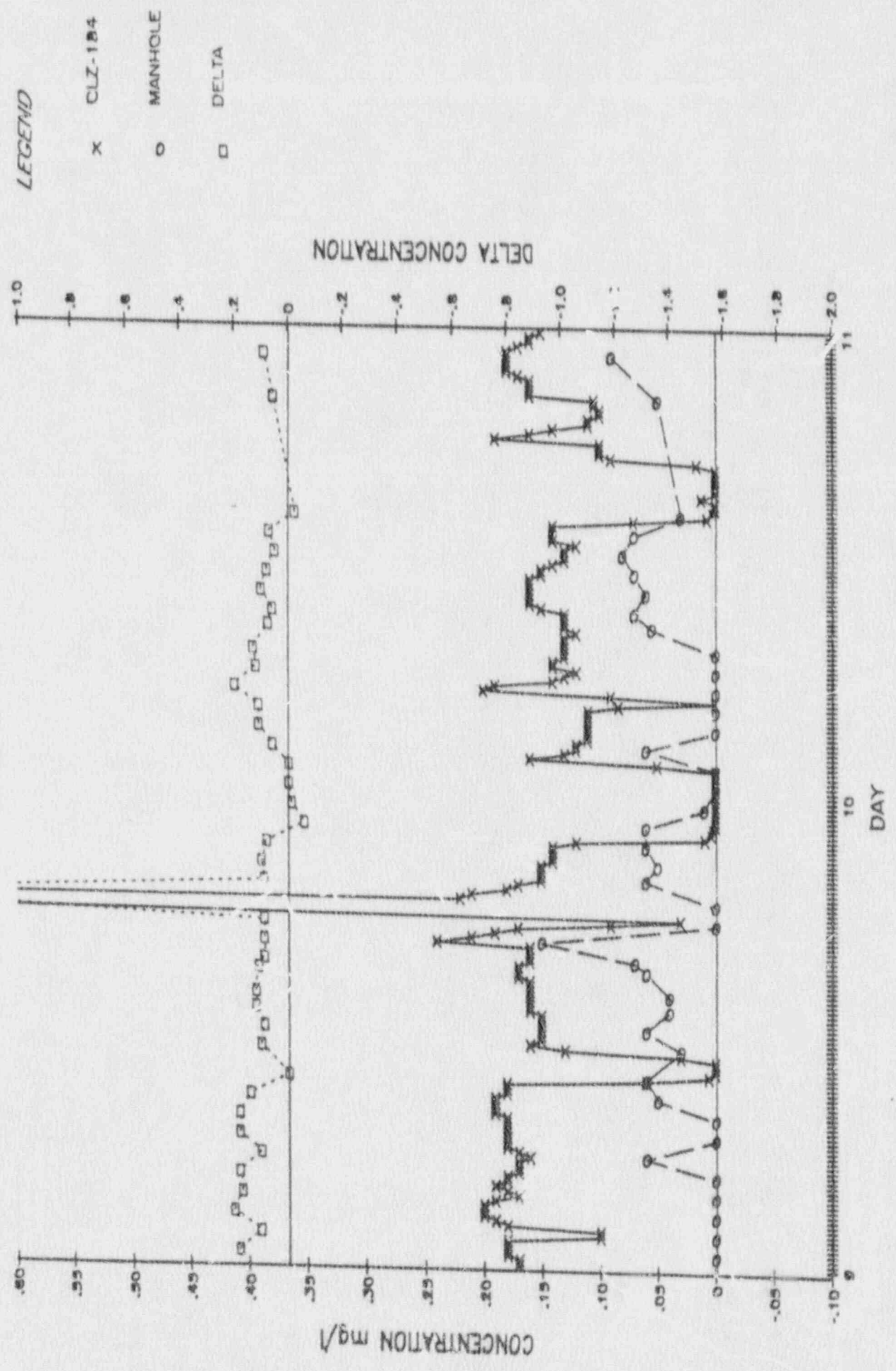


FIGURE 3-4
 CHLORINATION STUDY
 MARCH 13 THRU 14, 1990
 CLZ-184 VS MANHOLE

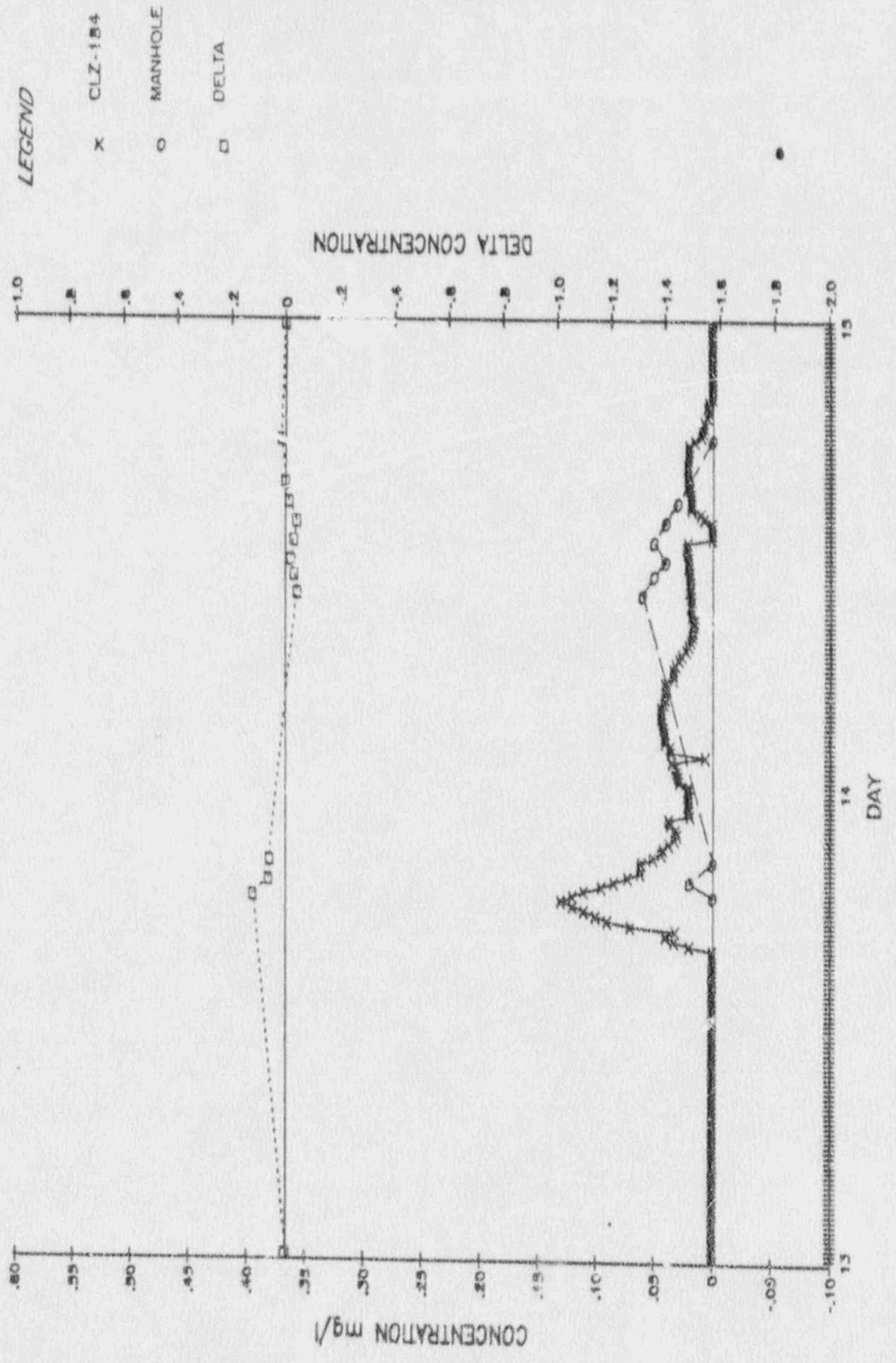


FIGURE 3-5
 CHLORINATION STUDY
 MARCH 15 THRU 16, 1990
 CLZ-184 VS MANHOLE

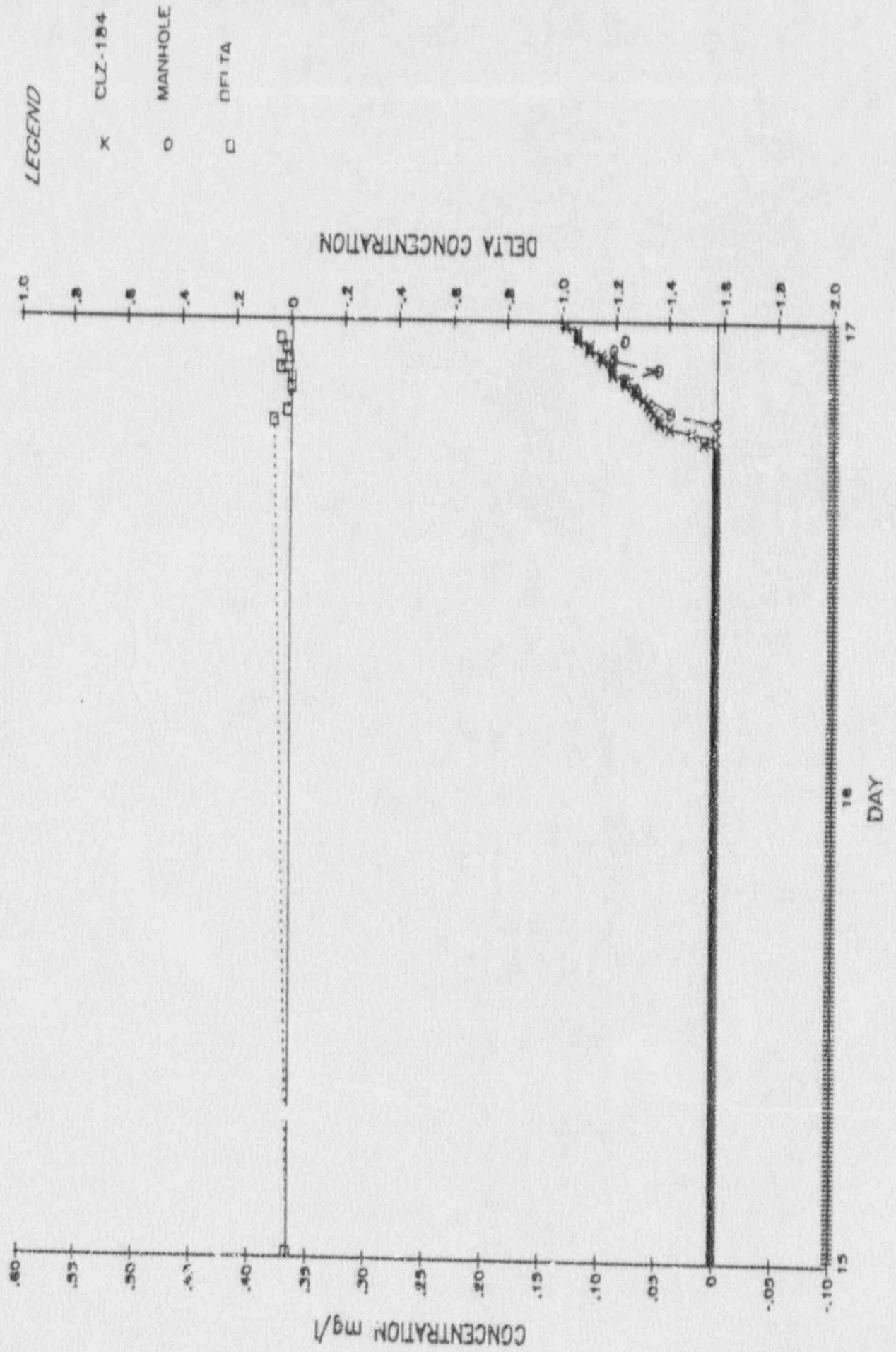


FIGURE 3-7

CHLORINATION STUDY
MARCH 19 THRU 20, 1990
CLZ-184 VS MANHOLE

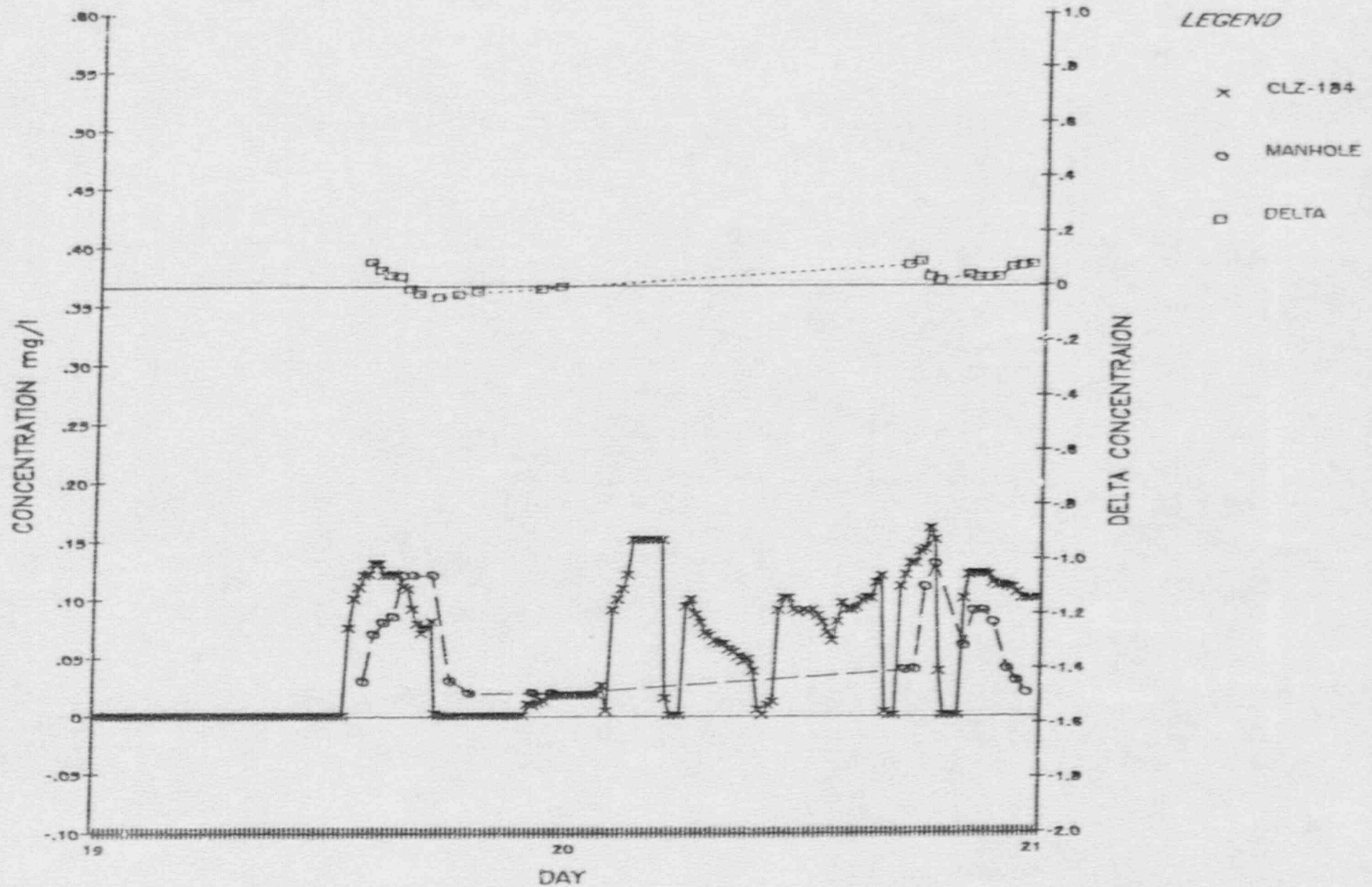


FIGURE 3-9

CHLORINATION STUDY
MARCH 23 THRU 24, 1990
CLZ-184 VS MANHOLE

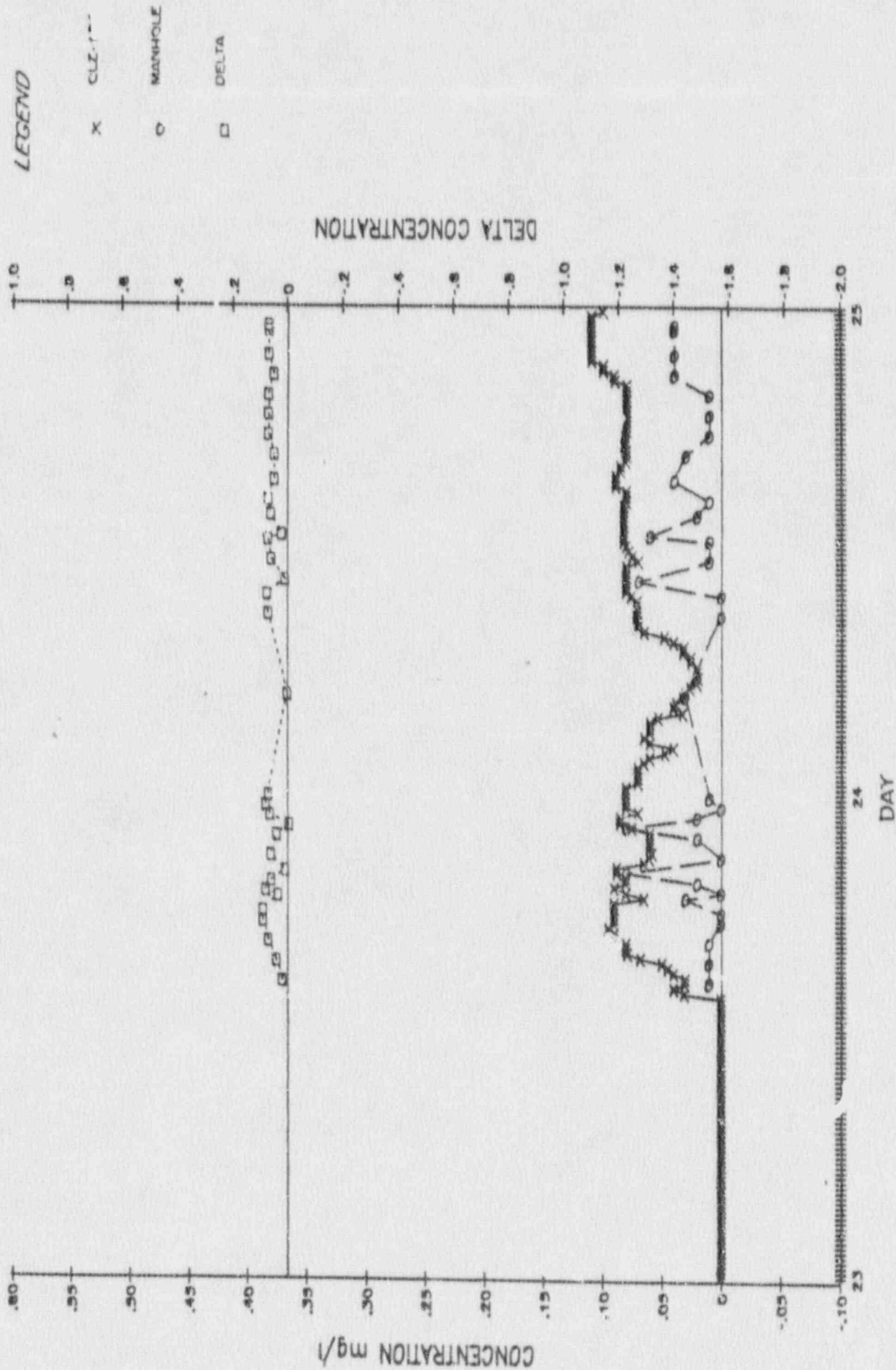


FIGURE 3-10
 CHLORINATION STUDY
 MARCH 25 THRU 26, 1990
 CLZ-184 VS MANHOLE

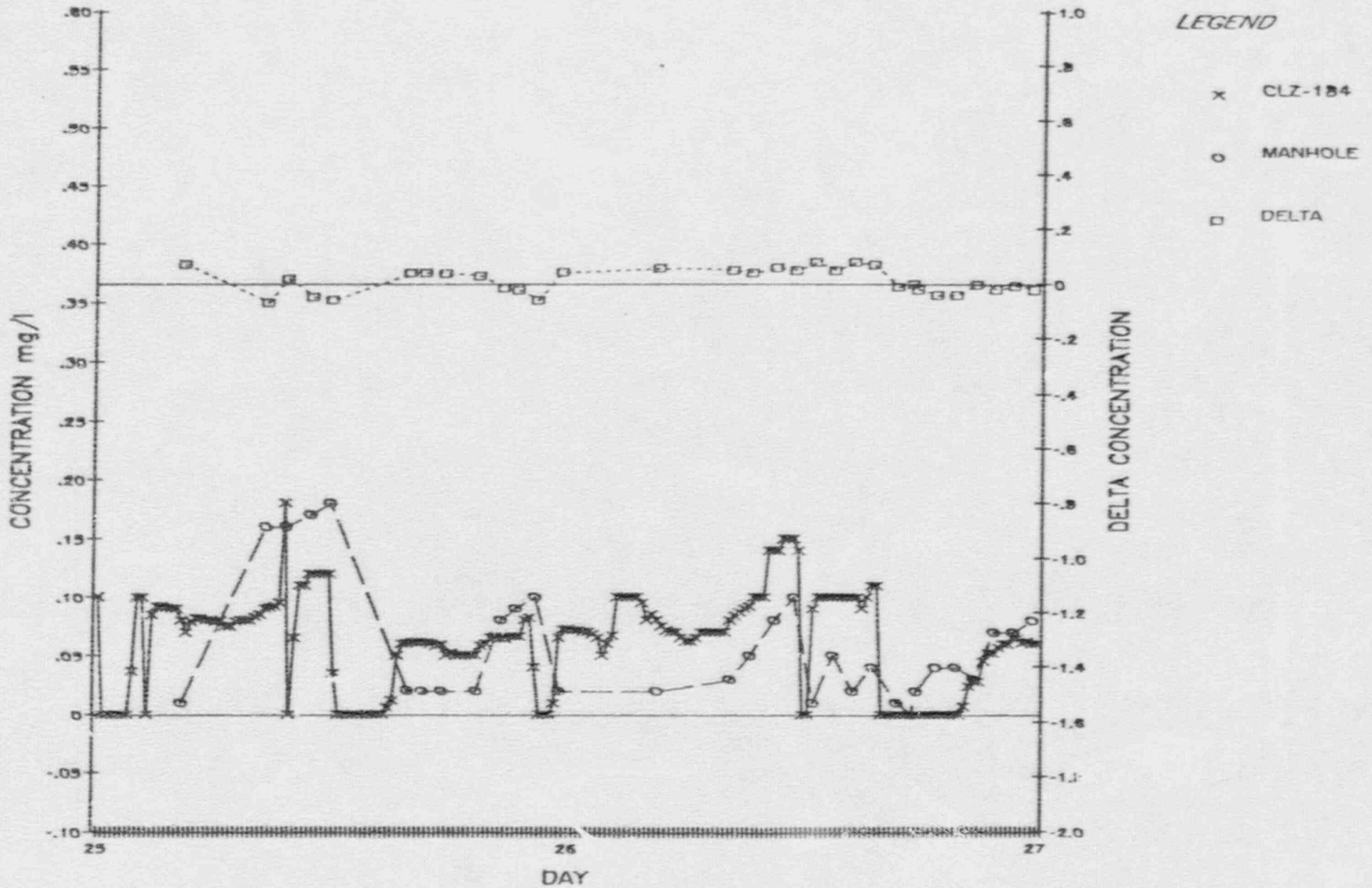


FIGURE 3-1:
 CHLORINATION STUDY
 MARCH 27 THRU 28, 1990
 CLZ-184 VS MANHOLE

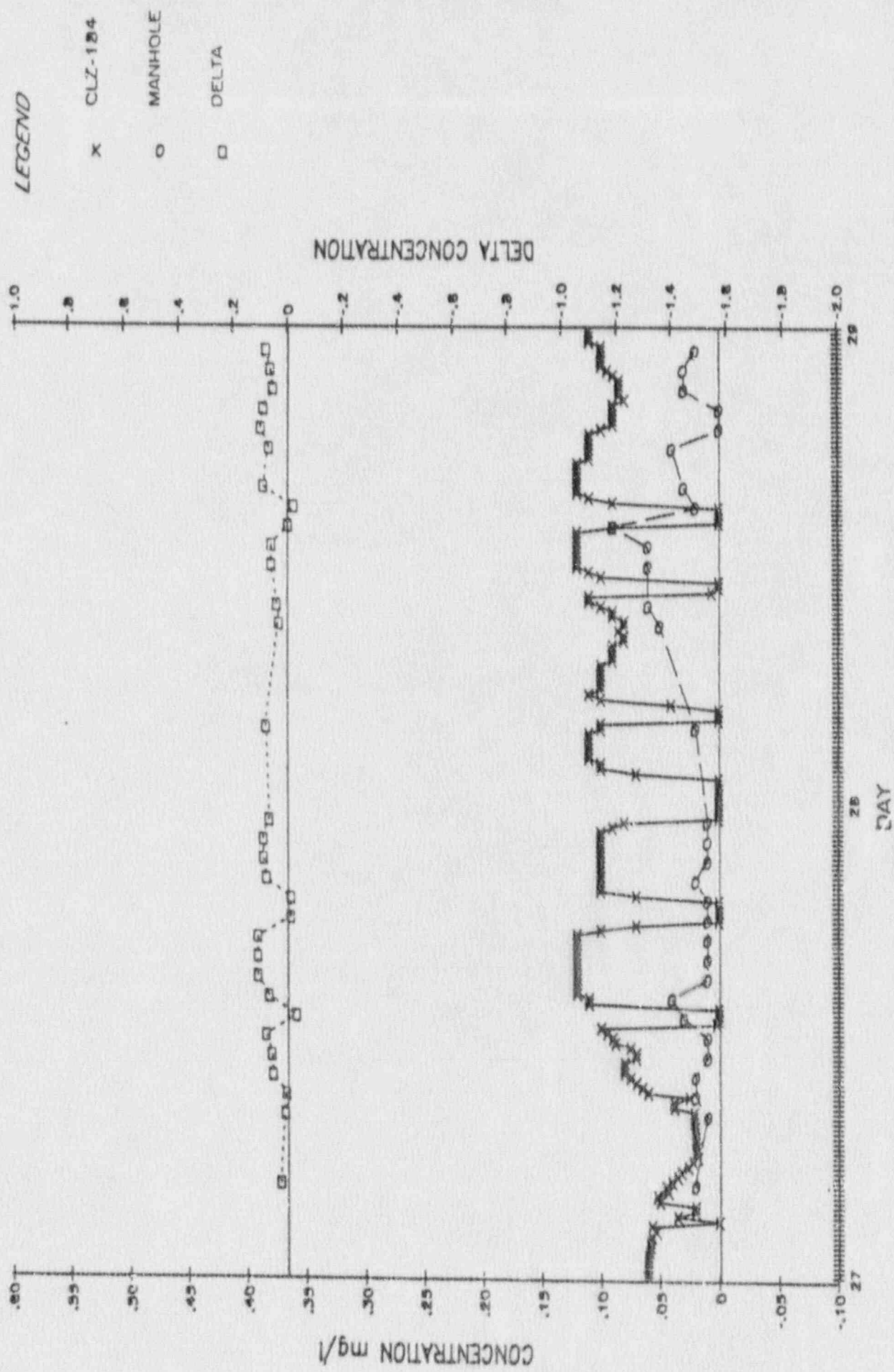
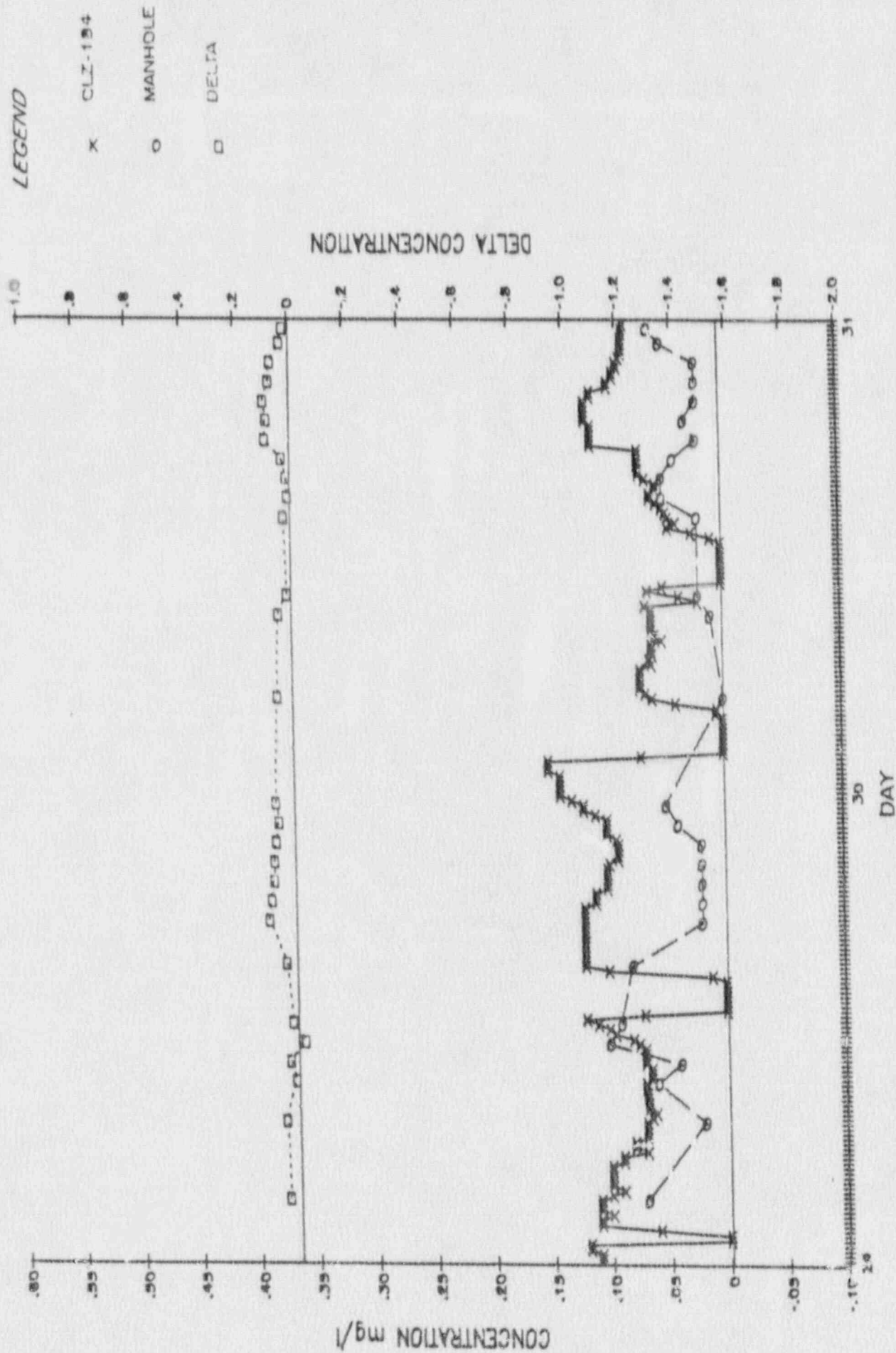


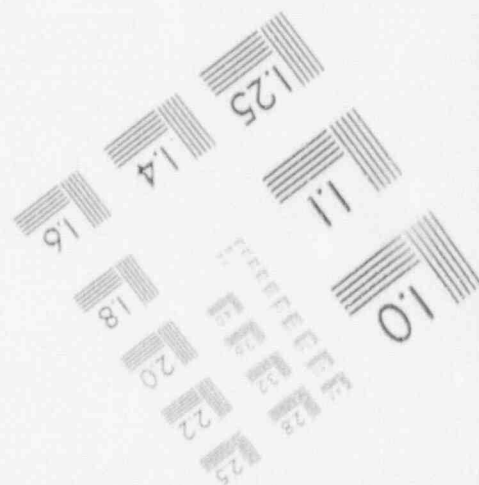
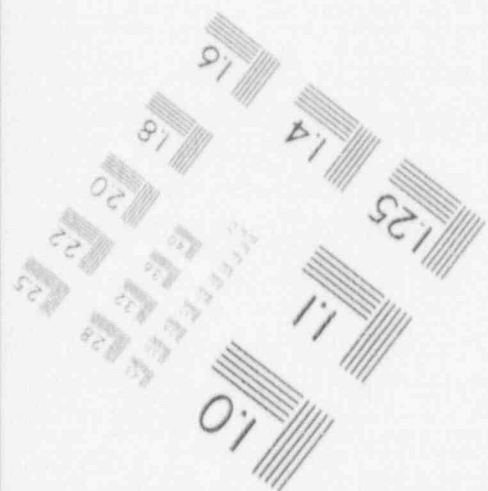
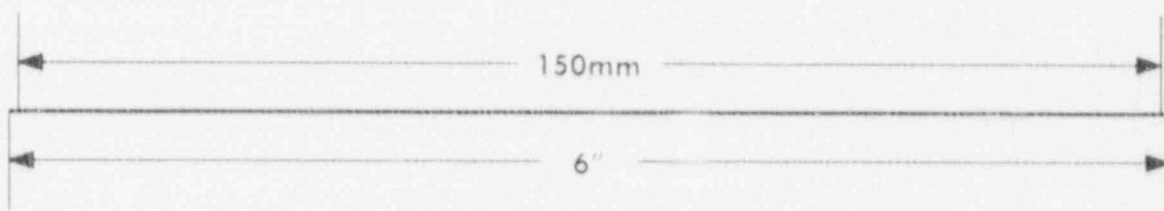
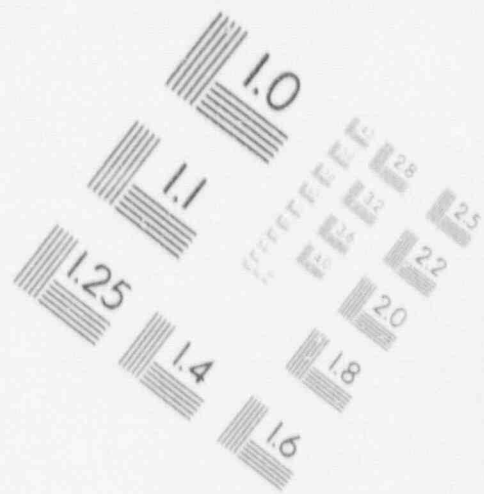
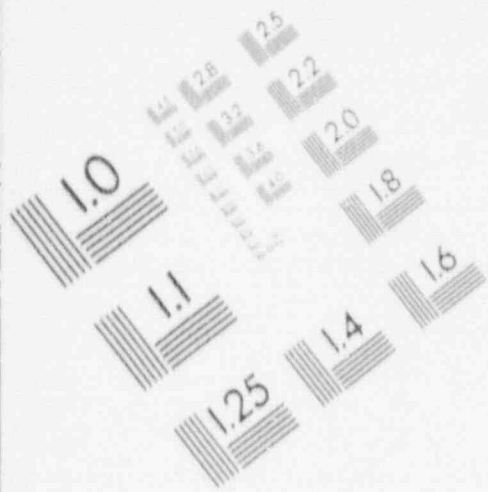
FIGURE 3-12

CHLORINATION STUDY
MARCH 29 THRU 30, 1990
CLZ-184 VS MANHOLE



2

IMAGE EVALUATION TEST TARGET (MT-3)



PHOTOGRAPHIC SCIENCES CORPORATION
770 BASKET ROAD
P.O. BOX 338
WEBSTER, NEW YORK 14580
(716) 265-1600

FIGURE 3-13

CHLORINATION STUDY
MARCH 31 THRU APRIL 1, 1990
CLZ-184 VS MANHOLE

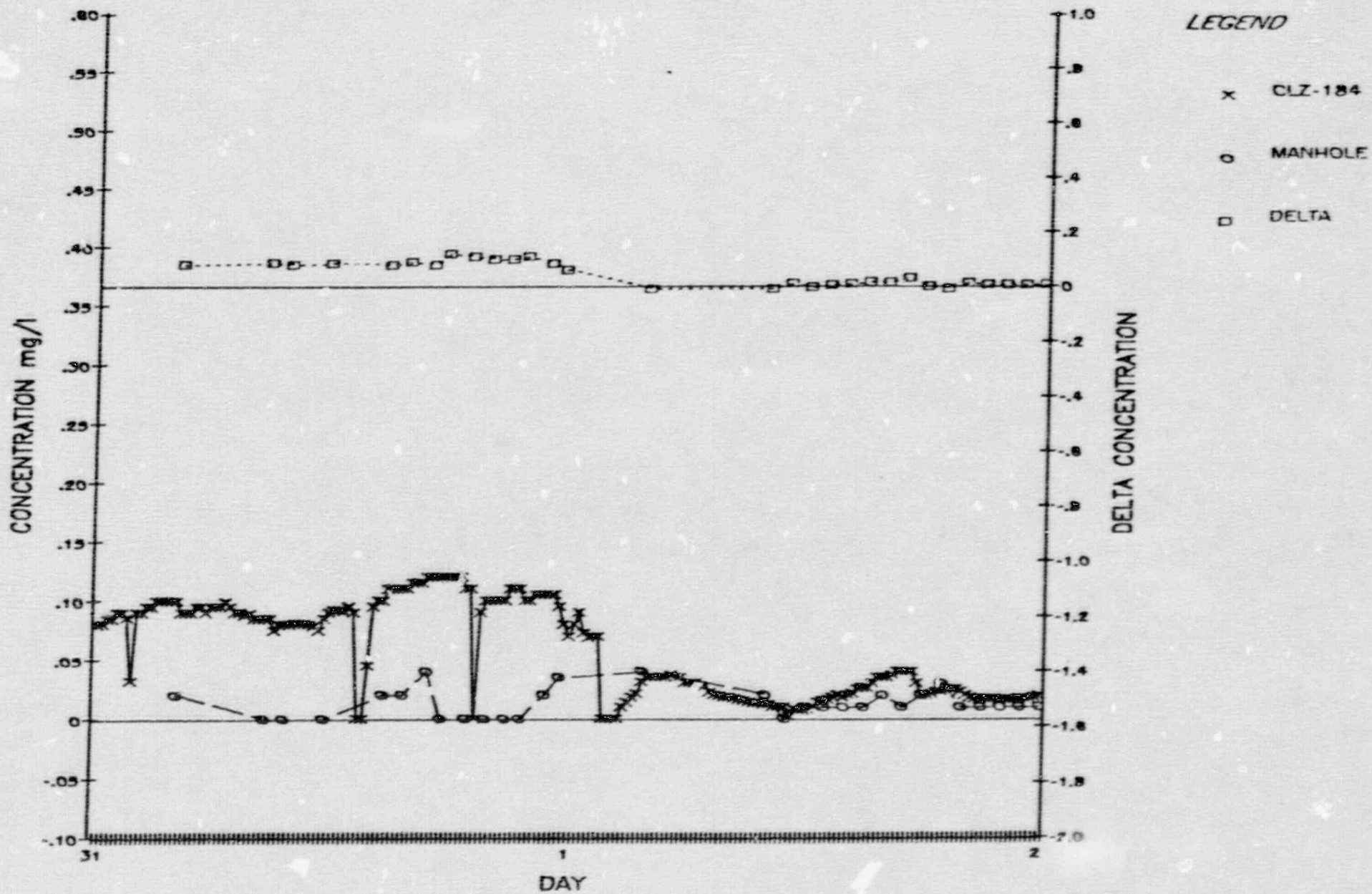


FIGURE 3-14
 CHLORINATION STUDY
 APRIL 2 THRU 3, 1990
 CLZ-184 VS MANHOLE

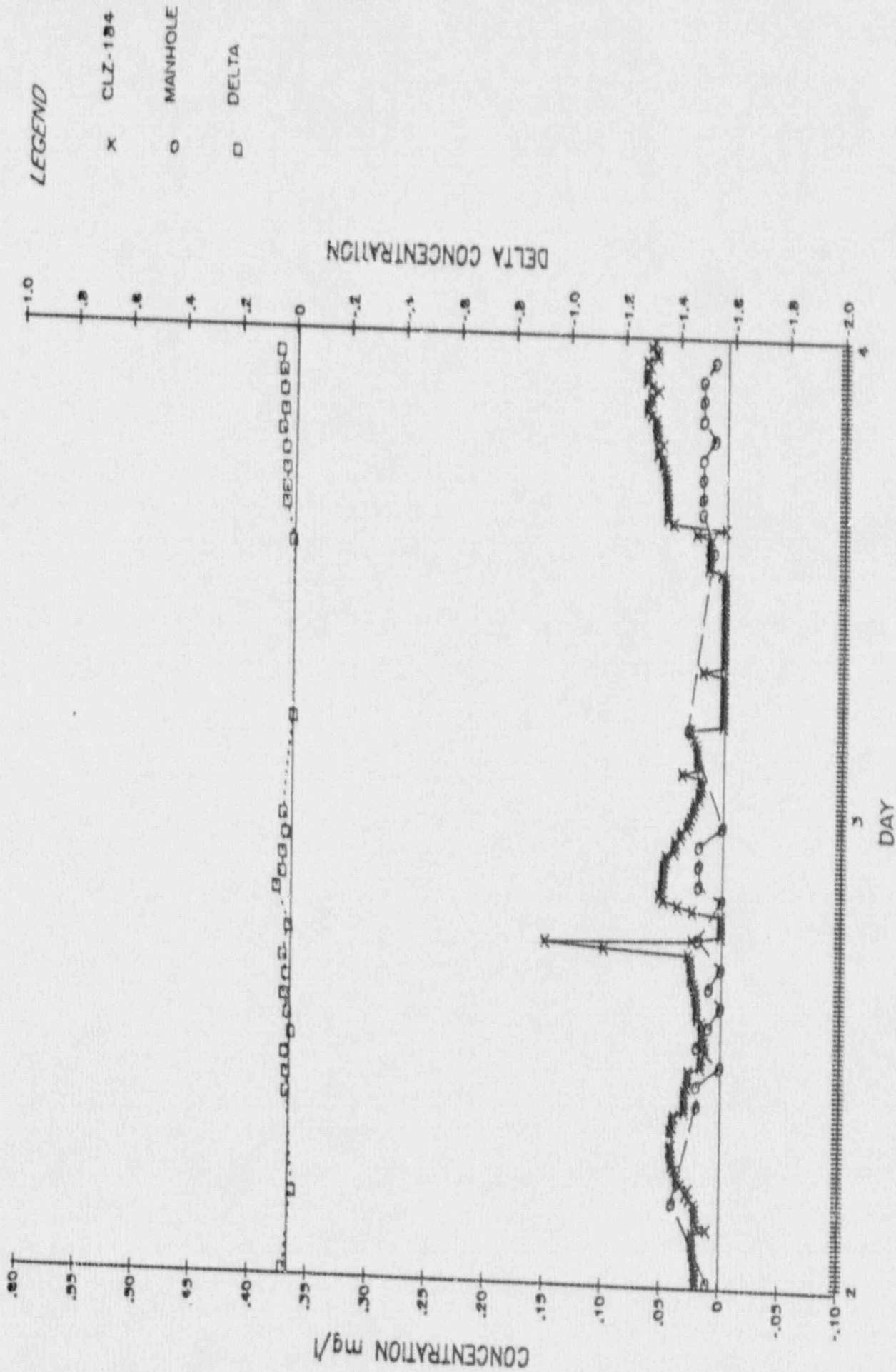


FIGURE 3-15

CHLORINATION STUDY
APRIL 4 THRU 5, 1990
CLZ-184 VS MANHOLE

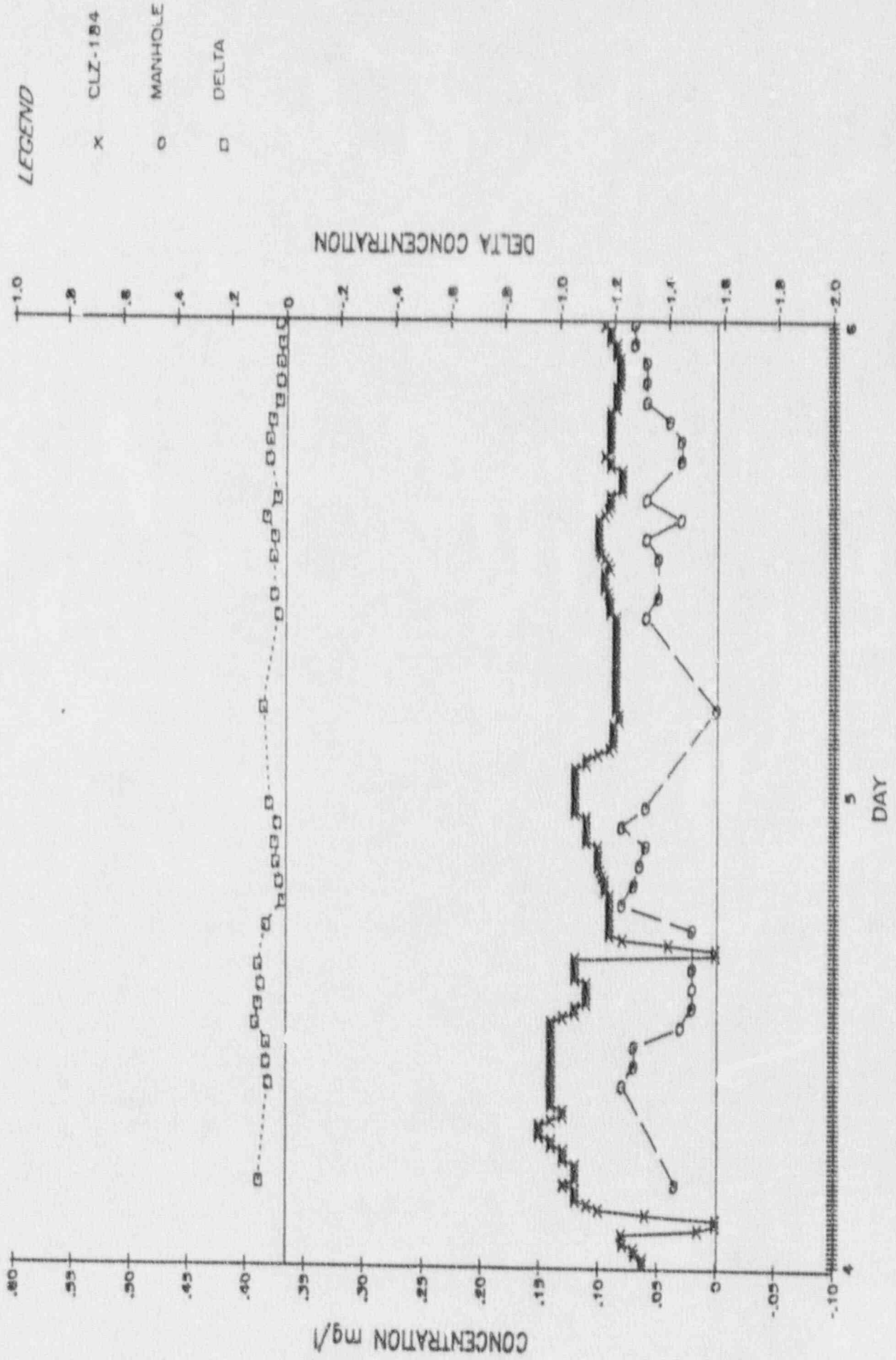


FIGURE 3-16
 CHLORINATION STUDY
 APRIL 6 THRU 7, 1990
 CLZ-184 VS MANHOLE

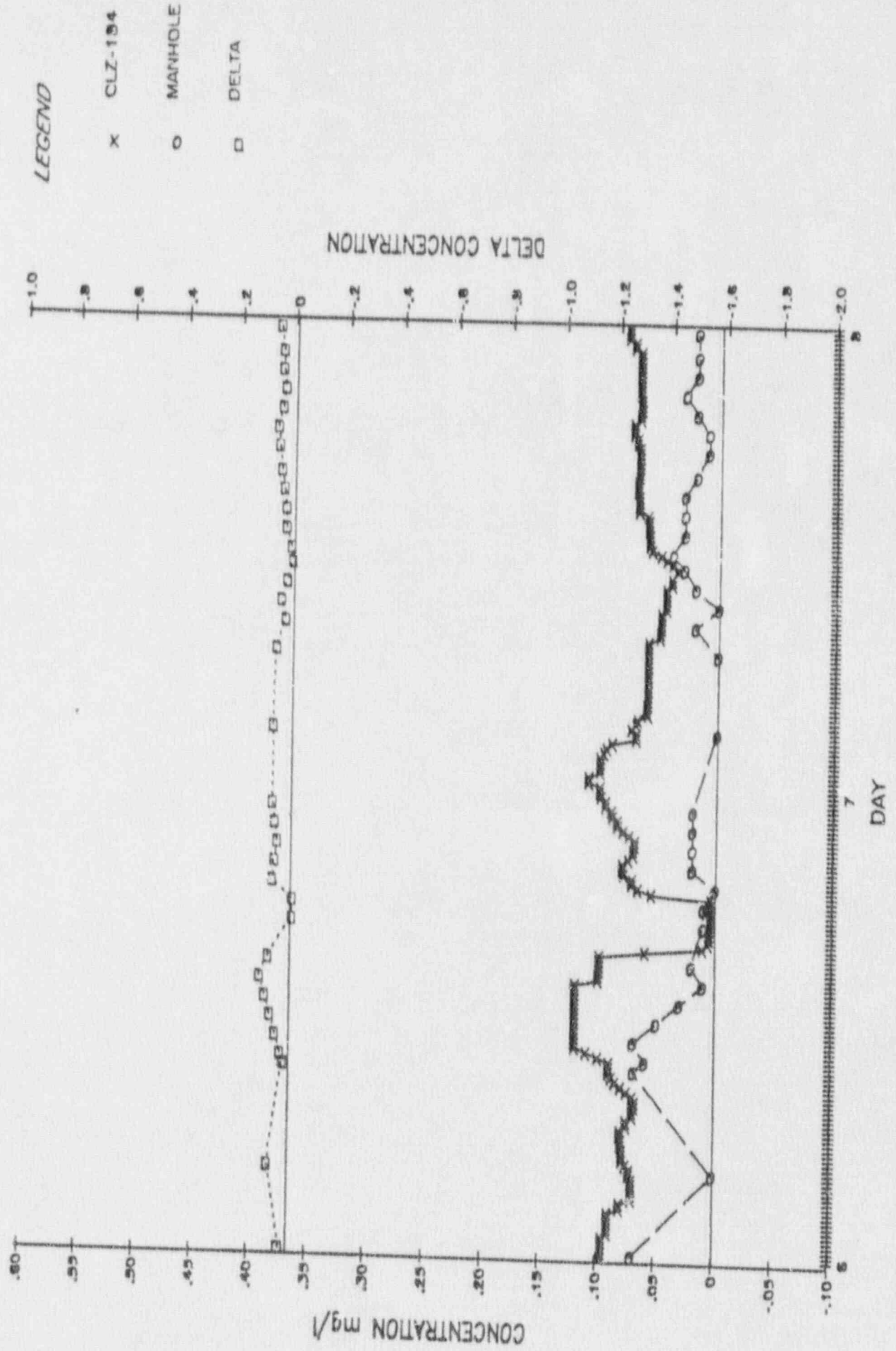


FIGURE 3-17
 CHLORINATION STUDY
 APRIL 8 THRU 9, 1990
 CLZ-184 VS MANHOLE

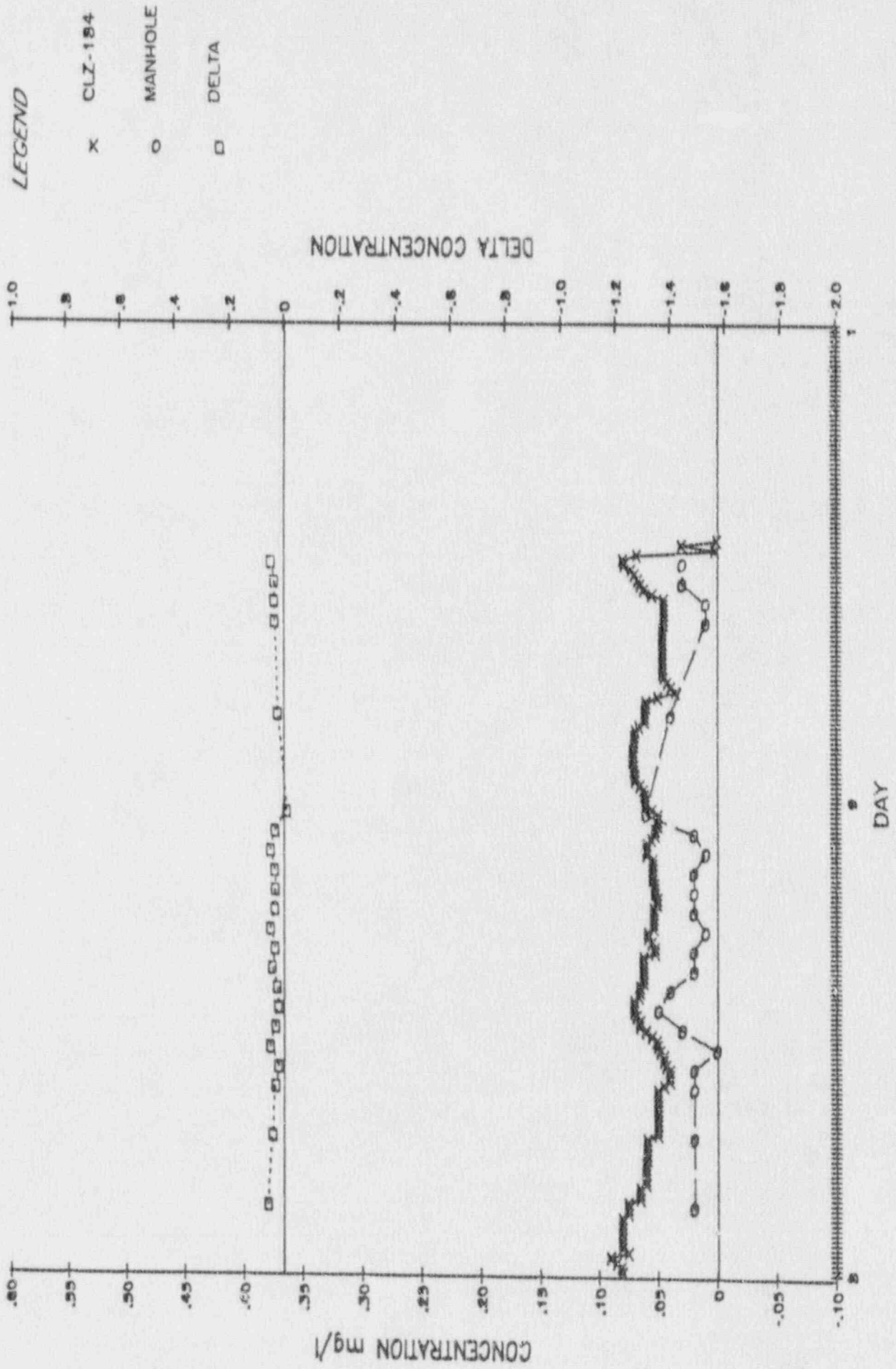


TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
07-Mar-90	00:00	0.000	0.000	0.50
07-Mar-90	00:15			
07-Mar-90	00:30			
07-Mar-90	00:45			
07-Mar-90	01:00			
07-Mar-90	01:15			
07-Mar-90	01:30			
07-Mar-90	01:45			
07-Mar-90	02:00			
07-Mar-90	02:15			
07-Mar-90	02:30			
07-Mar-90	02:45			
07-Mar-90	03:00			
07-Mar-90	03:15			
07-Mar-90	03:30			
07-Mar-90	03:45			
07-Mar-90	04:00			
07-Mar-90	04:15			
07-Mar-90	04:30			
07-Mar-90	04:45			
07-Mar-90	05:00			
07-Mar-90	05:15			
07-Mar-90	05:30			
07-Mar-90	05:45			
07-Mar-90	06:00			
07-Mar-90	06:15			6.50
07-Mar-90	06:30			
07-Mar-90	06:45			
07-Mar-90	07:00			
07-Mar-90	07:15			
07-Mar-90	07:30			
07-Mar-90	07:45			
07-Mar-90	08:00			
07-Mar-90	08:15			
07-Mar-90	08:30			
07-Mar-90	08:45			
07-Mar-90	09:00			
07-Mar-90	09:15			
07-Mar-90	09:30			
07-Mar-90	09:45			
07-Mar-90	10:00			
07-Mar-90	10:15			
07-Mar-90	10:30			
07-Mar-90	10:45	0.000		
07-Mar-90	11:00	0.070		
07-Mar-90	11:15	0.150		
07-Mar-90	11:30	0.150		
07-Mar-90	11:45	0.150	0.000	
07-Mar-90	12:00	0.150	0.000	
07-Mar-90	12:15	0.150	0.020	

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
07-Mar-90	12:30	0.006	0.020	
07-Mar-90	12:45	0.000	0.000	
07-Mar-90	13:00	0.000		
07-Mar-90	13:15	0.000		
07-Mar-90	13:30	0.038	0.000	
07-Mar-90	13:45	0.150	0.030	
07-Mar-90	14:00	0.160	0.040	
07-Mar-90	14:15	0.006	0.020	0.50
07-Mar-90	14:30	0.000	0.000	
07-Mar-90	14:45	0.000		
07-Mar-90	15:00	0.000		
07-Mar-90	15:15	0.000	0.000	
07-Mar-90	15:30	0.000		
07-Mar-90	15:45	0.000		
07-Mar-90	16:00	0.000		
07-Mar-90	16:15	0.000		
07-Mar-90	16:30	0.000		
07-Mar-90	16:45	0.000		
07-Mar-90	17:00	0.000		
07-Mar-90	17:15	0.000		
07-Mar-90	17:30	0.000		
07-Mar-90	17:45	0.000		
07-Mar-90	18:00	0.000		
07-Mar-90	18:15	0.000		
07-Mar-90	18:30	0.000		
07-Mar-90	18:45	0.000		
07-Mar-90	19:00	0.000		
07-Mar-90	19:15	0.000		
07-Mar-90	19:30	0.000		
07-Mar-90	19:45	0.000		
07-Mar-90	20:00	0.000		
07-Mar-90	20:15	0.000		
07-Mar-90	20:30	0.000		6.50
07-Mar-90	20:45	0.000		
07-Mar-90	21:00	0.000		
07-Mar-90	21:15	0.000		
07-Mar-90	21:30	0.000		
07-Mar-90	21:45	0.000		
07-Mar-90	22:00	0.000		
07-Mar-90	22:15	0.000		
07-Mar-90	22:30	0.002		
07-Mar-90	22:45	0.000		
07-Mar-90	23:00	0.000		
07-Mar-90	23:15	0.092		
07-Mar-90	23:30	0.100		
07-Mar-90	23:45	0.110		
07-Mar-90	24:00	0.100		
08-Mar-90	00:15	0.100		
08-Mar-90	00:30	0.085		
08-Mar-90	00:45	0.081		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
08-Mar-90	01:00	0.081		
08-Mar-90	01:15	0.080	0.000	
08-Mar-90	01:30	0.110		
08-Mar-90	01:45	0.055		
08-Mar-90	02:00	0.065		
08-Mar-90	02:15	0.059	0.000	
08-Mar-90	02:30	0.068		
08-Mar-90	02:45	0.065		0.50
08-Mar-90	03:00	0.069		
08-Mar-90	03:15	0.069	0.000	
08-Mar-90	03:30	0.066		
08-Mar-90	03:45	0.065		
08-Mar-90	04:00	0.067		
08-Mar-90	04:15	0.070		
08-Mar-90	04:30	0.070		
08-Mar-90	04:45	0.070		
08-Mar-90	05:00	0.072		
08-Mar-90	05:15	0.075		
08-Mar-90	05:30	0.072		
08-Mar-90	05:45	0.070		
08-Mar-90	06:00	0.070		
08-Mar-90	06:15	0.075	0.000	
08-Mar-90	06:30	0.075		
08-Mar-90	06:45	0.077		
08-Mar-90	07:00	0.075	0.000	
08-Mar-90	07:15	0.079		
08-Mar-90	07:30	0.080		
08-Mar-90	07:45	0.080		
08-Mar-90	08:00	0.080		
08-Mar-90	08:15	0.079		
08-Mar-90	08:30	0.079		
08-Mar-90	08:45	0.079		
08-Mar-90	09:00	0.072		6.50
08-Mar-90	09:15	0.070	0.000	
08-Mar-90	09:30	0.069		
08-Mar-90	09:45	0.070		
08-Mar-90	10:00	0.070		
08-Mar-90	10:15	0.080		
08-Mar-90	10:30	0.090		
08-Mar-90	10:45	0.100		
08-Mar-90	11:00	0.110		
08-Mar-90	11:15	0.110		
08-Mar-90	11:30	0.110		
08-Mar-90	11:45	0.200		
08-Mar-90	12:00	0.090		
08-Mar-90	12:15	0.014		
08-Mar-90	12:30	0.007		
08-Mar-90	12:45	0.003		
08-Mar-90	13:00	0.000	0.080	
08-Mar-90	13:15	0.003		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
08-Mar-90	13:30	0.000		
08-Mar-90	13:45	0.100		
08-Mar-90	14:00	0.190		
08-Mar-90	14:15	0.190	0.050	0.50
08-Mar-90	14:30	0.190		
08-Mar-90	14:45	0.180	0.060	
08-Mar-90	15:00	0.170		
08-Mar-90	15:15	0.170	0.050	
08-Mar-90	15:30	0.170		
08-Mar-90	15:45	0.170	0.050	
08-Mar-90	16:00	0.160		
08-Mar-90	16:15	0.100	0.000	
08-Mar-90	16:30	0.160		
08-Mar-90	16:45	0.150	0.000	
08-Mar-90	17:00	0.150		
08-Mar-90	17:15	0.150		
08-Mar-90	17:30	0.150		
08-Mar-90	17:45	0.150	0.000	
08-Mar-90	18:00	0.150		
08-Mar-90	18:15	0.150		
08-Mar-90	18:30	0.170		
08-Mar-90	18:45	0.160	0.000	
08-Mar-90	19:00	0.160		
08-Mar-90	19:15	0.170		
08-Mar-90	19:30	0.170		
08-Mar-90	19:45	0.170	0.000	
08-Mar-90	20:00	0.160		
08-Mar-90	20:15	0.170		
08-Mar-90	20:30	0.170		6.50
08-Mar-90	20:45	0.180	0.000	
08-Mar-90	21:00	0.180		
08-Mar-90	21:15	0.180		
08-Mar-90	21:30	0.180		
08-Mar-90	21:45	0.180	0.000	
08-Mar-90	22:00	0.180		
08-Mar-90	22:15	0.180		
08-Mar-90	22:30	0.180		
08-Mar-90	22:45	0.170	0.000	
08-Mar-90	23:00	0.170		
08-Mar-90	23:15	0.170	0.000	
08-Mar-90	23:30	0.160		
08-Mar-90	23:45	0.160		
09-Mar-90	00:00	0.170		
09-Mar-90	00:15	0.170		
09-Mar-90	00:30	0.180	0.000	
09-Mar-90	00:45	0.180		
09-Mar-90	01:00	0.180		
09-Mar-90	01:15	0.180		
09-Mar-90	01:30	0.100	0.000	
09-Mar-90	01:45	0.100		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
09-Mar-90	02:00	0.180		
09-Mar-90	02:15	0.190		
09-Mar-90	02:30	0.200	0.000	
09-Mar-90	02:45	0.200		0.50
09-Mar-90	03:00	0.200		
09-Mar-90	03:15	0.190		
09-Mar-90	03:30	0.170	0.000	
09-Mar-90	03:45	0.180		
09-Mar-90	04:00	0.190		
09-Mar-90	04:15	0.180		
09-Mar-90	04:30	0.180	0.000	
09-Mar-90	04:45	0.170		
09-Mar-90	05:00	0.170		
09-Mar-90	05:15	0.170		
09-Mar-90	05:30	0.160	0.060	
09-Mar-90	05:45	0.170		
09-Mar-90	06:00	0.180		
09-Mar-90	06:15	0.180		
09-Mar-90	06:30	0.180	0.000	
09-Mar-90	06:45	0.180		
09-Mar-90	07:00	0.180		
09-Mar-90	07:15	0.180		
09-Mar-90	07:30	0.180	0.000	
09-Mar-90	07:45	0.190		
09-Mar-90	08:00	0.190		
09-Mar-90	08:15	0.190		
09-Mar-90	08:30	0.190	0.050	
09-Mar-90	08:45	0.180		
09-Mar-90	09:00	0.180		
09-Mar-90	09:15	0.180		
09-Mar-90	09:30	0.060	0.060	
09-Mar-90	09:45	0.006		6.50
09-Mar-90	10:00	0.000		
09-Mar-90	10:15	0.000		
09-Mar-90	10:30	0.000		
09-Mar-90	10:45	0.030		
09-Mar-90	11:00	0.130	0.030	
09-Mar-90	11:15	0.160		
09-Mar-90	11:30	0.150		
09-Mar-90	11:45	0.150		
09-Mar-90	12:00	0.150	0.060	
09-Mar-90	12:15	0.150		
09-Mar-90	12:30	0.150		
09-Mar-90	12:45	0.150		
09-Mar-90	13:00	0.160	0.040	
09-Mar-90	13:15	0.160		
09-Mar-90	13:30	0.160		
09-Mar-90	13:45	0.160	0.040	
09-Mar-90	14:00	0.160		
09-Mar-90	14:15	0.160		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
09-Mar-90	14:30	0.160		
09-Mar-90	14:45	0.170		
09-Mar-90	15:00	0.170	0.060	
09-Mar-90	15:15	0.170		
09-Mar-90	15:30	0.160	0.070	
09-Mar-90	15:45	0.160		
09-Mar-90	16:00	0.160		0.50
09-Mar-90	16:15	0.160		
09-Mar-90	16:30	0.240	0.150	
09-Mar-90	16:45	0.210		
09-Mar-90	17:00	0.190		
09-Mar-90	17:15	0.170		
09-Mar-90	17:30	0.090	0.070	
09-Mar-90	17:45	0.030		
09-Mar-90	18:00	0.700		
09-Mar-90	18:15	0.800		
09-Mar-90	18:30	1.800	0.000	
09-Mar-90	18:45	0.220		
09-Mar-90	19:00	0.210		
09-Mar-90	19:15	0.180		
09-Mar-90	19:30	0.170		
09-Mar-90	19:45	0.150	0.060	
09-Mar-90	20:00	0.150		
09-Mar-90	20:15	0.150		
09-Mar-90	20:30	0.150	0.050	
09-Mar-90	20:45	0.140		
09-Mar-90	21:00	0.140		
09-Mar-90	21:15	0.140		
09-Mar-90	21:30	0.140	0.060	
09-Mar-90	21:45	0.120		
09-Mar-90	22:00	0.009		
09-Mar-90	22:15	0.003		6.50
09-Mar-90	22:30	0.002	0.060	
09-Mar-90	22:45	0.000		
09-Mar-90	23:00	0.000		
09-Mar-90	23:15	0.000		
09-Mar-90	23:30	0.000	0.010	
09-Mar-90	23:45	0.000		
09-Mar-90	24:00	0.000		
10-Mar-90	00:15	0.000		
10-Mar-90	00:30	0.000	0.000	
10-Mar-90	00:45	0.000		
10-Mar-90	01:00	0.000		
10-Mar-90	01:15	0.000		
10-Mar-90	01:30	0.000	0.000	
10-Mar-90	01:45	0.050		
10-Mar-90	02:00	0.160		
10-Mar-90	02:15	0.130		
10-Mar-90	02:30	0.120	0.060	
10-Mar-90	02:45	0.120		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
10-Mar-90	03:00	0.110		
10-Mar-90	03:15	0.110		
10-Mar-90	03:30	0.110	0.000	
10-Mar-90	03:45	0.110		
10-Mar-90	04:00	0.110		
10-Mar-90	04:15	0.110		
10-Mar-90	04:30	0.110	0.000	0.50
10-Mar-90	04:45	0.083		
10-Mar-90	05:00	0.000		
10-Mar-90	05:15	0.090		
10-Mar-90	05:30	0.200	0.000	
10-Mar-90	05:45	0.190		
10-Mar-90	06:00	0.140		
10-Mar-90	06:15	0.130		
10-Mar-90	06:30	0.120	0.000	
10-Mar-90	06:45	0.140		
10-Mar-90	07:00	0.140		
10-Mar-90	07:15	0.130		
10-Mar-90	07:30	0.130	0.000	
10-Mar-90	07:45	0.130		
10-Mar-90	08:00	0.130		
10-Mar-90	08:15	0.130		
10-Mar-90	08:30	0.120		
10-Mar-90	08:45	0.130	0.055	
10-Mar-90	09:00	0.130		
10-Mar-90	09:15	0.130		
10-Mar-90	09:30	0.130	0.070	
10-Mar-90	09:45	0.150		
10-Mar-90	10:00	0.160		
10-Mar-90	10:15	0.160		
10-Mar-90	10:30	0.160	0.060	6.50
10-Mar-90	10:45	0.160		
10-Mar-90	11:00	0.160		
10-Mar-90	11:15	0.160		
10-Mar-90	11:30	0.150	0.070	
10-Mar-90	11:45	0.150		
10-Mar-90	12:00	0.140		
10-Mar-90	12:15	0.130		
10-Mar-90	12:30	0.130	0.080	
10-Mar-90	12:45	0.130		
10-Mar-90	13:00	0.120		
10-Mar-90	13:15	0.140		
10-Mar-90	13:30	0.140	0.070	
10-Mar-90	13:45	0.140		
10-Mar-90	14:00	0.140		
10-Mar-90	14:15	0.070		
10-Mar-90	14:30	0.007	0.030	
10-Mar-90	14:45	0.002		
10-Mar-90	15:00	0.000		
10-Mar-90	15:15	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
10-Mar-90	15:30	0.012		
10-Mar-90	15:45	0.000		
10-Mar-90	16:00	0.000		
10-Mar-90	16:15	0.000		
10-Mar-90	16:30	0.000		
10-Mar-90	16:45	0.000		0.50
10-Mar-90	17:00	0.000		
10-Mar-90	17:15	0.016		
10-Mar-90	17:30	0.090		
10-Mar-90	17:45	0.100		
10-Mar-90	18:00	0.100		
10-Mar-90	18:15	0.100		
10-Mar-90	18:30	0.190		
10-Mar-90	18:45	0.160		
10-Mar-90	19:00	0.140		
10-Mar-90	19:15	0.110		
10-Mar-90	19:30	0.110		
10-Mar-90	19:45	0.100		
10-Mar-90	20:00	0.100		
10-Mar-90	20:15	0.105		
10-Mar-90	20:30	0.105	0.050	
10-Mar-90	20:45	0.160		
10-Mar-90	21:00	0.160		
10-Mar-90	21:15	0.160		
10-Mar-90	21:30	0.160		
10-Mar-90	21:45	0.170		
10-Mar-90	22:00	0.180		
10-Mar-90	22:15	0.180		
10-Mar-90	22:30	0.180		
10-Mar-90	22:45	0.180	0.090	6.50
10-Mar-90	23:00	0.180		
10-Mar-90	23:15	0.170		
10-Mar-90	23:30	0.160		
10-Mar-90	23:45	0.160		
10-Mar-90	24:00	0.150		
11-Mar-90	00:15	0.150		
11-Mar-90	00:30	0.150		
11-Mar-90	00:45	0.150		
11-Mar-90	01:00	0.150		
11-Mar-90	01:15	0.150		
11-Mar-90	01:30	0.140		
11-Mar-90	01:45	0.070		
11-Mar-90	02:00	0.020		
11-Mar-90	02:15	0.000		
11-Mar-90	02:30	0.000		
11-Mar-90	02:45	0.000		
11-Mar-90	03:00	0.000	0.000	
11-Mar-90	03:15	0.000		
11-Mar-90	03:30	0.000		
11-Mar-90	03:45	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
11-Mar-90	04:00	0.000		
11-Mar-90	04:15	0.000		
11-Mar-90	04:30	0.004		
11-Mar-90	04:45	0.018		
11-Mar-90	05:00	0.060		0.50
11-Mar-90	05:15	0.070		
11-Mar-90	05:30	0.080		
11-Mar-90	05:45	0.085		
11-Mar-90	06:00	0.090		
11-Mar-90	06:15	0.065		
11-Mar-90	06:30	0.070		
11-Mar-90	06:45	0.120		
11-Mar-90	07:00	0.180		
11-Mar-90	07:15	0.200		
11-Mar-90	07:30	0.210	0.060	
11-Mar-90	07:45	0.200		
11-Mar-90	08:00	0.200		
11-Mar-90	08:15	0.210		
11-Mar-90	08:30	0.210		
11-Mar-90	08:45	0.210		
11-Mar-90	09:00	0.210		
11-Mar-90	09:15	0.200		
11-Mar-90	09:30	0.210		
11-Mar-90	09:45	0.270		
11-Mar-90	10:00	0.270		
11-Mar-90	10:15	0.280	0.020	
11-Mar-90	10:30	0.290		
11-Mar-90	10:45	0.290		
11-Mar-90	11:00	0.290		
11-Mar-90	11:15	0.290		6.50
11-Mar-90	11:30	0.290		
11-Mar-90	11:45	0.290		
11-Mar-90	12:00	0.290		
11-Mar-90	12:15	0.190		
11-Mar-90	12:30	0.180		
11-Mar-90	12:45	0.170		
11-Mar-90	13:00	0.160		
11-Mar-90	13:15	0.160		
11-Mar-90	13:30	0.170		
11-Mar-90	13:45	0.170		
11-Mar-90	14:00	0.160	0.050	
11-Mar-90	14:15	0.300		
11-Mar-90	14:30	0.310		
11-Mar-90	14:45	0.320		
11-Mar-90	15:00	0.350		
11-Mar-90	15:15	0.350		
11-Mar-90	15:30	0.350		
11-Mar-90	15:45	0.300		
11-Mar-90	16:00	0.300		
11-Mar-90	16:15	0.300		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
11-Mar-90	16:30	0.290		
11-Mar-90	16:45	0.290		
11-Mar-90	17:00	0.280		
11-Mar-90	17:15	0.270		
11-Mar-90	17:30	0.260		0.50
11-Mar-90	17:45	0.260		
11-Mar-90	18:00	0.230	0.160	
11-Mar-90	18:15	0.230		
11-Mar-90	18:30	0.230		
11-Mar-90	18:45	0.230		
11-Mar-90	19:00	0.230		
11-Mar-90	19:15	0.300		
11-Mar-90	19:30	0.310		
11-Mar-90	19:45	0.310		
11-Mar-90	20:00	0.300		
11-Mar-90	20:15	0.300		
11-Mar-90	20:30	0.008		
11-Mar-90	20:45	0.000		
11-Mar-90	21:00	0.000		
11-Mar-90	21:15	0.000		
11-Mar-90	21:30	0.000		
11-Mar-90	21:45	0.000		
11-Mar-90	22:00	0.000		
11-Mar-90	22:15	0.000		
11-Mar-90	22:30	0.000		
11-Mar-90	22:45	0.000		
11-Mar-90	23:00	0.000		
11-Mar-90	23:15	0.000		
11-Mar-90	23:30	0.000		6.50
11-Mar-90	23:45	0.000		
12-Mar-90	00:00	0.000	0.000	
12-Mar-90	00:15	0.000		
12-Mar-90	00:30	0.000		
12-Mar-90	00:45	0.000		
12-Mar-90	01:00	0.000		
12-Mar-90	01:15	0.000		
12-Mar-90	01:30	0.000		
12-Mar-90	01:45	0.000		
12-Mar-90	02:00	0.000		
12-Mar-90	02:15	0.000		
12-Mar-90	02:30	0.000		
12-Mar-90	02:45	0.000		
12-Mar-90	03:00	0.000		
12-Mar-90	03:15	0.000		
12-Mar-90	03:30	0.000		
12-Mar-90	03:45	0.000		
12-Mar-90	04:00	0.000		
12-Mar-90	04:15	0.000		
12-Mar-90	04:30	0.000		
12-Mar-90	04:45	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
12-Mar-90	05:00	0.000		
12-Mar-90	05:15	0.000		
12-Mar-90	05:30	0.000		
12-Mar-90	05:45	0.000		0.50
12-Mar-90	06:00	0.000		
12-Mar-90	06:15	0.000		
12-Mar-90	06:30	0.000		
12-Mar-90	06:45	0.000		
12-Mar-90	07:00	0.000		
12-Mar-90	07:15	0.000		
12-Mar-90	07:30	0.000		
12-Mar-90	07:45	0.000		
12-Mar-90	08:00	0.000		
12-Mar-90	08:15	0.000		
12-Mar-90	08:30	0.000		
12-Mar-90	08:45	0.000		
12-Mar-90	09:00	0.000		
12-Mar-90	09:15	0.000		
12-Mar-90	09:30	0.000		
12-Mar-90	09:45	0.000		
12-Mar-90	10:00	0.000		
12-Mar-90	10:15	0.000		
12-Mar-90	10:30	0.000		
12-Mar-90	10:45	0.000		
12-Mar-90	11:00	0.000		
12-Mar-90	11:15	0.000		
12-Mar-90	11:30	0.000		
12-Mar-90	11:45	0.000		6.50
12-Mar-90	12:00	0.000		
12-Mar-90	12:15	0.000		
12-Mar-90	12:30	0.000		
12-Mar-90	12:45	0.000		
12-Mar-90	13:00	0.000		
12-Mar-90	13:15	0.000		
12-Mar-90	13:30	0.000		
12-Mar-90	13:45	0.000		
12-Mar-90	14:00	0.000		
12-Mar-90	14:15	0.000		
12-Mar-90	14:30	0.000		
12-Mar-90	14:45	0.000		
12-Mar-90	15:00	0.000		
12-Mar-90	15:15	0.000		
12-Mar-90	15:30	0.000		
12-Mar-90	15:45	0.000		
12-Mar-90	16:00	0.000		
12-Mar-90	16:15	0.000		
12-Mar-90	16:30	0.000		
12-Mar-90	16:45	0.000		
12-Mar-90	17:00	0.000		
12-Mar-90	17:15	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
12-Mar-90	17:30	0.000		
12-Mar-90	17:45	0.000		
12-Mar-90	18:00	0.000		0.50
12-Mar-90	18:15	0.000		
12-Mar-90	18:30	0.000		
12-Mar-90	18:45	0.000		
12-Mar-90	19:00	0.000		
12-Mar-90	19:15	0.000		
12-Mar-90	19:30	0.000		
12-Mar-90	19:45	0.000		
12-Mar-90	20:00	0.000		
12-Mar-90	20:15	0.000		
12-Mar-90	20:30	0.000		
12-Mar-90	20:45	0.000		
12-Mar-90	21:00	0.000		
12-Mar-90	21:15	0.000		
12-Mar-90	21:30	0.000		
12-Mar-90	21:45	0.000		
12-Mar-90	22:00	0.000		
12-Mar-90	22:15	0.000		
12-Mar-90	22:30	0.000		
12-Mar-90	22:45	0.000		
12-Mar-90	23:00	0.000		
12-Mar-90	23:15	0.000		
12-Mar-90	23:30	0.000		
12-Mar-90	23:45	0.000		
13-Mar-90	00:00	0.000	0.000	6.50
13-Mar-90	00:15	0.000		
13-Mar-90	00:30	0.000		
13-Mar-90	00:45	0.000		
13-Mar-90	01:00	0.000		
13-Mar-90	01:15	0.000		
13-Mar-90	01:30	0.000		
13-Mar-90	01:45	0.000		
13-Mar-90	02:00	0.000		
13-Mar-90	02:15	0.000		
13-Mar-90	02:30	0.000		
13-Mar-90	02:45	0.000		
13-Mar-90	03:00	0.000		
13-Mar-90	03:15	0.000		
13-Mar-90	03:30	0.000		
13-Mar-90	03:45	0.000		
13-Mar-90	04:00	0.000		
13-Mar-90	04:15	0.000		
13-Mar-90	04:30	0.000		
13-Mar-90	04:45	0.000		
13-Mar-90	05:00	0.000		
13-Mar-90	05:15	0.000		
13-Mar-90	05:30	0.000		
13-Mar-90	05:45	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
13-Mar-90	06:00	0.000		
13-Mar-90	06:15	0.000		0.50
13-Mar-90	06:30	0.000		
13-Mar-90	06:45	0.000		
13-Mar-90	07:00	0.000		
13-Mar-90	07:15	0.000		
13-Mar-90	07:30	0.000		
13-Mar-90	07:45	0.000		
13-Mar-90	08:00	0.000		
13-Mar-90	08:15	0.000		
13-Mar-90	08:30	0.000		
13-Mar-90	08:45	0.000		
13-Mar-90	09:00	0.000		
13-Mar-90	09:15	0.000		
13-Mar-90	09:30	0.000		
13-Mar-90	09:45	0.000		
13-Mar-90	10:00	0.000		
13-Mar-90	10:15	0.000		
13-Mar-90	10:30	0.000		
13-Mar-90	10:45	0.000		
13-Mar-90	11:00	0.000		
13-Mar-90	11:15	0.000		
13-Mar-90	11:30	0.000		
13-Mar-90	11:45	0.000		
13-Mar-90	12:00	0.000		
13-Mar-90	12:15	0.000		
13-Mar-90	12:30	0.000		6.50
13-Mar-90	12:45	0.000		
13-Mar-90	13:00	0.000		
13-Mar-90	13:15	0.000		
13-Mar-90	13:30	0.000		
13-Mar-90	13:45	0.000		
13-Mar-90	14:00	0.000		
13-Mar-90	14:15	0.000		
13-Mar-90	14:30	0.000		
13-Mar-90	14:45	0.000		
13-Mar-90	15:00	0.000		
13-Mar-90	15:15	0.000		
13-Mar-90	15:30	0.000		
13-Mar-90	15:45	0.000		
13-Mar-90	16:00	0.020		
13-Mar-90	16:15	0.033		
13-Mar-90	16:30	0.040		
13-Mar-90	16:45	0.032		
13-Mar-90	17:00	0.070		
13-Mar-90	17:15	0.090		
13-Mar-90	17:30	0.100		
13-Mar-90	17:45	0.110		
13-Mar-90	18:00	0.120		
13-Mar-90	18:15	0.130		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
13-Mar-90	18:30	0.120	0.000	
13-Mar-90	18:45	0.110		0.50
13-Mar-90	19:00	0.095		
13-Mar-90	19:15	0.084	0.020	
13-Mar-90	19:30	0.072		
13-Mar-90	19:45	0.061		
13-Mar-90	20:00	0.061		
13-Mar-90	20:15	0.060	0.000	
13-Mar-90	20:30	0.050		
13-Mar-90	20:45	0.043		
13-Mar-90	21:00	0.042		
13-Mar-90	21:15	0.037		
13-Mar-90	21:30	0.032		
13-Mar-90	21:45	0.030		
13-Mar-90	22:00	0.031		
13-Mar-90	22:15	0.036		
13-Mar-90	22:30	0.037		
13-Mar-90	22:45	0.019		
13-Mar-90	23:00	0.020		
13-Mar-90	23:15	0.021		
13-Mar-90	23:30	0.020		
13-Mar-90	23:45	0.020		
14-Mar-90	00:00	0.021		
14-Mar-90	00:15	0.020		
14-Mar-90	00:30	0.028		
14-Mar-90	00:45	0.029		6.50
14-Mar-90	01:00	0.030		
14-Mar-90	01:15	0.031		
14-Mar-90	01:30	0.034		
14-Mar-90	01:45	0.006		
14-Mar-90	02:00	0.035		
14-Mar-90	02:15	0.036		
14-Mar-90	02:30	0.040		
14-Mar-90	02:45	0.040		
14-Mar-90	03:00	0.040		
14-Mar-90	03:15	0.041		
14-Mar-90	03:30	0.042		
14-Mar-90	03:45	0.043		
14-Mar-90	04:00	0.043		
14-Mar-90	04:15	0.043		
14-Mar-90	04:30	0.041		
14-Mar-90	04:45	0.040		
14-Mar-90	05:00	0.039		
14-Mar-90	05:15	0.038		
14-Mar-90	05:30	0.040		
14-Mar-90	05:45	0.033		
14-Mar-90	06:00	0.033		
14-Mar-90	06:15	0.033		
14-Mar-90	06:30	0.031		
14-Mar-90	06:45	0.028		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
14-Mar-90	07:00	0.026		0.50
14-Mar-90	07:15	0.022		
14-Mar-90	07:30	0.020		
14-Mar-90	07:45	0.018		
14-Mar-90	08:00	0.017		
14-Mar-90	08:15	0.016		
14-Mar-90	08:30	0.015		
14-Mar-90	08:45	0.015		
14-Mar-90	09:00	0.017		
14-Mar-90	09:15	0.017		
14-Mar-90	09:30	0.018		
14-Mar-90	09:45	0.017		
14-Mar-90	10:00	0.018	0.060	
14-Mar-90	10:15	0.019		
14-Mar-90	10:30	0.018		
14-Mar-90	10:45	0.018		
14-Mar-90	11:00	0.019	0.050	
14-Mar-90	11:15	0.019		
14-Mar-90	11:30	0.020		
14-Mar-90	11:45	0.020	0.040	
14-Mar-90	12:00	0.020		
14-Mar-90	12:15	0.021		
14-Mar-90	12:30	0.022		
14-Mar-90	12:45	0.021	0.050	
14-Mar-90	13:00	0.000		6.50
14-Mar-90	13:15	0.000		
14-Mar-90	13:30	0.000		
14-Mar-90	13:45	0.000	0.040	
14-Mar-90	14:00	0.007		
14-Mar-90	14:15	0.010		
14-Mar-90	14:30	0.018		
14-Mar-90	14:45	0.018	0.030	
14-Mar-90	15:00	0.018		
14-Mar-90	15:15	0.018		
14-Mar-90	15:30	0.019		
14-Mar-90	15:45	0.020	0.020	
14-Mar-90	16:00	0.021		
14-Mar-90	16:15	0.021		
14-Mar-90	16:30	0.021		
14-Mar-90	16:45	0.021		
14-Mar-90	17:00	0.020		
14-Mar-90	17:15	0.020		
14-Mar-90	17:30	0.020		
14-Mar-90	17:45	0.020		
14-Mar-90	18:00	0.015	0.000	
14-Mar-90	18:15	0.009		
14-Mar-90	18:30	0.008		
14-Mar-90	18:45	0.007		
14-Mar-90	19:00	0.007		
14-Mar-90	19:15	0.004		0.50

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
14-Mar-90	19:30	0.003		
14-Mar-90	19:45	0.004		
14-Mar-90	20:00	0.003		
14-Mar-90	20:15	0.000		
14-Mar-90	20:30	0.000		
14-Mar-90	20:45	0.000		
14-Mar-90	21:00	0.000		
14-Mar-90	21:15	0.000		
14-Mar-90	21:30	0.000		
14-Mar-90	21:45	0.000		
14-Mar-90	22:00	0.000		
14-Mar-90	22:15	0.000		
14-Mar-90	22:30	0.000		
14-Mar-90	22:45	0.000		
14-Mar-90	23:00	0.000		
14-Mar-90	23:15	0.000		
14-Mar-90	23:30	0.000		
14-Mar-90	23:45	0.000		
15-Mar-90	00:00	0.000	0.000	
15-Mar-90	00:15	0.000		
15-Mar-90	00:30	0.000		
15-Mar-90	00:45	0.000		
15-Mar-90	01:00	0.000		
15-Mar-90	01:15	0.000		6.50
15-Mar-90	01:30	0.000		
15-Mar-90	01:45	0.000		
15-Mar-90	02:00	0.000		
15-Mar-90	02:15	0.000		
15-Mar-90	02:30	0.000		
15-Mar-90	02:45	0.000		
15-Mar-90	03:00	0.000		
15-Mar-90	03:15	0.000		
15-Mar-90	03:30	0.000		
15-Mar-90	03:45	0.000		
15-Mar-90	04:00	0.000		
15-Mar-90	04:15	0.000		
15-Mar-90	04:30	0.000		
15-Mar-90	04:45	0.000		
15-Mar-90	05:00	0.000		
15-Mar-90	05:15	0.000		
15-Mar-90	05:30	0.000		
15-Mar-90	05:45	0.000		
15-Mar-90	06:00	0.000		
15-Mar-90	06:15	0.000		
15-Mar-90	06:30	0.000		
15-Mar-90	06:45	0.000		
15-Mar-90	07:00	0.000		
15-Mar-90	07:15	0.000		
15-Mar-90	07:30	0.000		0.50
15-Mar-90	07:45	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
15-Mar-90	08:00	0.000		
15-Mar-90	08:15	0.000		
15-Mar-90	08:30	0.000		
15-Mar-90	08:45	0.000		
15-Mar-90	09:00	0.000		
15-Mar-90	09:15	0.000		
15-Mar-90	09:30	0.000		
15-Mar-90	09:45	0.000		
15-Mar-90	10:00	0.000		
15-Mar-90	10:15	0.000		
15-Mar-90	10:30	0.000		
15-Mar-90	10:45	0.000		
15-Mar-90	11:00	0.000		
15-Mar-90	11:15	0.000		
15-Mar-90	11:30	0.000		
15-Mar-90	11:45	0.000		
15-Mar-90	12:00	0.000		
15-Mar-90	12:15	0.000		
15-Mar-90	12:30	0.000		
15-Mar-90	12:45	0.000		
15-Mar-90	13:00	0.000		
15-Mar-90	13:15	0.000		
15-Mar-90	13:30	0.000		
15-Mar-90	13:45	0.000		6.50
15-Mar-90	14:00	0.000		
15-Mar-90	14:15	0.000		
15-Mar-90	14:30	0.000		
15-Mar-90	14:45	0.000		
15-Mar-90	15:00	0.000		
15-Mar-90	15:15	0.000		
15-Mar-90	15:30	0.000		
15-Mar-90	15:45	0.000		
15-Mar-90	16:00	0.000		
15-Mar-90	16:15	0.000		
15-Mar-90	16:30	0.000		
15-Mar-90	16:45	0.000		
15-Mar-90	17:00	0.000		
15-Mar-90	17:15	0.000		
15-Mar-90	17:30	0.000		
15-Mar-90	17:45	0.000		
15-Mar-90	18:00	0.000		
15-Mar-90	18:15	0.000		
15-Mar-90	18:30	0.000		
15-Mar-90	18:45	0.000		
15-Mar-90	19:00	0.000		
15-Mar-90	19:15	0.000		
15-Mar-90	19:30	0.000		
15-Mar-90	19:45	0.000		
15-Mar-90	20:00	0.000		0.50
15-Mar-90	20:15	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
15-Mar-90	20:30	0.000		
15-Mar-90	20:45	0.000		
15-Mar-90	21:00	0.000		
15-Mar-90	21:15	0.000		
15-Mar-90	21:30	0.000		
15-Mar-90	21:45	0.000		
15-Mar-90	22:00	0.000		
15-Mar-90	22:15	0.000		
15-Mar-90	22:30	0.000		
15-Mar-90	22:45	0.000		
15-Mar-90	23:00	0.000		
15-Mar-90	23:15	0.000		
15-Mar-90	23:30	0.000		
15-Mar-90	23:45	0.000		
16-Mar-90	00:00	0.000		
16-Mar-90	00:15	0.000		
16-Mar-90	00:30	0.000		
16-Mar-90	00:45	0.000		
16-Mar-90	01:00	0.000		
16-Mar-90	01:15	0.000		
16-Mar-90	01:30	0.000		
16-Mar-90	01:45	0.000		
16-Mar-90	02:00	0.000		6.50
16-Mar-90	02:15	0.000		
16-Mar-90	02:30	0.000		
16-Mar-90	02:45	0.000		
16-Mar-90	03:00	0.000		
16-Mar-90	03:15	0.000		
16-Mar-90	03:30	0.000		
16-Mar-90	03:45	0.000		
16-Mar-90	04:00	0.000		
16-Mar-90	04:15	0.000		
16-Mar-90	04:30	0.000		
16-Mar-90	04:45	0.000		
16-Mar-90	05:00	0.000		
16-Mar-90	05:15	0.000		
16-Mar-90	05:30	0.000		
16-Mar-90	05:45	0.000		
16-Mar-90	06:00	0.000		
16-Mar-90	06:15	0.000		
16-Mar-90	06:30	0.000		
16-Mar-90	06:45	0.000		
16-Mar-90	07:00	0.000		
16-Mar-90	07:15	0.000		
16-Mar-90	07:30	0.000		
16-Mar-90	07:45	0.000		
16-Mar-90	08:00	0.000		
16-Mar-90	08:15	0.000		0.50
16-Mar-90	08:30	0.000		
16-Mar-90	08:45	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
16-Mar-90	09:00	0.000		
16-Mar-90	09:15	0.000		
16-Mar-90	09:30	0.000		
16-Mar-90	09:45	0.000		
16-Mar-90	10:00	0.000		
16-Mar-90	10:15	0.000		
16-Mar-90	10:30	0.000		
16-Mar-90	10:45	0.000		
16-Mar-90	11:00	0.000		
16-Mar-90	11:15	0.000		
16-Mar-90	11:30	0.000		
16-Mar-90	11:45	0.000		
16-Mar-90	12:00	0.000		
16-Mar-90	12:15	0.000		
16-Mar-90	12:30	0.000		
16-Mar-90	12:45	0.000		
16-Mar-90	13:00	0.000		
16-Mar-90	13:15	0.000		
16-Mar-90	13:30	0.000		
16-Mar-90	13:45	0.000		
16-Mar-90	14:00	0.000		
16-Mar-90	14:15	0.000		6.50
16-Mar-90	14:30	0.000		
16-Mar-90	14:45	0.000		
16-Mar-90	15:00	0.000		
16-Mar-90	15:15	0.000		
16-Mar-90	15:30	0.000		
16-Mar-90	15:45	0.000		
16-Mar-90	16:00	0.000		
16-Mar-90	16:15	0.000		
16-Mar-90	16:30	0.000		
16-Mar-90	16:45	0.000		
16-Mar-90	17:00	0.000		
16-Mar-90	17:15	0.000		
16-Mar-90	17:30	0.000		
16-Mar-90	17:45	0.000		
16-Mar-90	18:00	0.011		
16-Mar-90	18:15	0.000		
16-Mar-90	18:30	0.021		
16-Mar-90	18:45	0.040		
16-Mar-90	19:00	0.049	0.000	
16-Mar-90	19:15	0.050		
16-Mar-90	19:30	0.054	0.040	
16-Mar-90	19:45	0.057		
16-Mar-90	20:00	0.059		
16-Mar-90	20:15	0.063		
16-Mar-90	20:30	0.069		0.50
16-Mar-90	20:45	0.071	0.070	
16-Mar-90	21:00	0.079		
16-Mar-90	21:15	0.080	0.080	

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
16-Mar-90	21:30	0.090		
16-Mar-90	21:45	0.090	0.050	
16-Mar-90	22:00	0.091		
16-Mar-90	22:15	0.099	0.090	
16-Mar-90	22:30	0.100		
16-Mar-90	22:45	0.110	0.090	
16-Mar-90	23:00	0.110		
16-Mar-90	23:15	0.120	0.080	
16-Mar-90	23:30	0.120		
16-Mar-90	23:45	0.120		
16-Mar-90	24:00	0.130		
17-Mar-90	00:15	0.000		
17-Mar-90	00:30	0.000		
17-Mar-90	00:45	0.000		
17-Mar-90	01:00	0.000		
17-Mar-90	01:15	0.000		
17-Mar-90	01:30	0.000		
17-Mar-90	01:45	0.000		
17-Mar-90	02:00	0.000		
17-Mar-90	02:15	0.000		
17-Mar-90	02:30	0.037		
17-Mar-90	02:45	0.062		6.50
17-Mar-90	03:00	0.060		
17-Mar-90	03:15	0.040	0.000	
17-Mar-90	03:30	0.040		
17-Mar-90	03:45	0.040		
17-Mar-90	04:00	0.040	0.000	
17-Mar-90	04:15	0.048		
17-Mar-90	04:30	0.048	0.000	
17-Mar-90	04:45	0.048		
17-Mar-90	05:00	0.047		
17-Mar-90	05:15	0.046		
17-Mar-90	05:30	0.045	0.000	
17-Mar-90	05:45	0.042		
17-Mar-90	06:00	0.038		
17-Mar-90	06:15	0.037		
17-Mar-90	06:30	0.037	0.000	
17-Mar-90	06:45	0.035		
17-Mar-90	07:00	0.006		
17-Mar-90	07:15	0.000		
17-Mar-90	07:30	0.000		
17-Mar-90	07:45	0.000		
17-Mar-90	08:00	0.000		
17-Mar-90	08:15	0.000		
17-Mar-90	08:30	0.000		
17-Mar-90	08:45	0.031		
17-Mar-90	09:00	0.060		0.50
17-Mar-90	09:15	0.057		
17-Mar-90	09:30	0.051	0.000	
17-Mar-90	09:45	0.066		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
17-Mar-90	10:00	0.064		
17-Mar-90	10:15	0.068		
17-Mar-90	10:30	0.077	0.000	
17-Mar-90	10:45	0.080		
17-Mar-90	11:00	0.083		
17-Mar-90	11:15	0.086		
17-Mar-90	11:30	0.090		
17-Mar-90	11:45	0.090		
17-Mar-90	12:00	0.089		
17-Mar-90	12:15	0.090		
17-Mar-90	12:30	0.090		
17-Mar-90	12:45	0.090		
17-Mar-90	13:00	0.090		
17-Mar-90	13:15	0.100		
17-Mar-90	13:30	0.100		
17-Mar-90	13:45	0.100		
17-Mar-90	14:00	0.100	0.070	
17-Mar-90	14:15	0.100		
17-Mar-90	14:30	0.100		
17-Mar-90	14:45	0.090	0.000	
17-Mar-90	15:00	0.019		6.50
17-Mar-90	15:15	0.070		
17-Mar-90	15:30	0.075	0.050	
17-Mar-90	15:45	0.080		
17-Mar-90	16:00	0.080		
17-Mar-90	16:15	0.080		
17-Mar-90	16:30	0.090		
17-Mar-90	16:45	0.085		
17-Mar-90	17:00	0.085		
17-Mar-90	17:15	0.088		
17-Mar-90	17:30	0.000		
17-Mar-90	17:45	0.000		
17-Mar-90	18:00	0.000		
17-Mar-90	18:15	0.012		
17-Mar-90	18:30	0.069		
17-Mar-90	18:45	0.075		
17-Mar-90	19:00	0.080	0.070	
17-Mar-90	19:15	0.000		
17-Mar-90	19:30	0.150		
17-Mar-90	19:45	0.180		
17-Mar-90	20:00	0.190		
17-Mar-90	20:15	0.095		0.50
17-Mar-90	20:30	0.000		
17-Mar-90	20:45	0.000		
17-Mar-90	21:00	0.000		
17-Mar-90	21:15	0.000		
17-Mar-90	21:30	0.000		
17-Mar-90	21:45	0.000		
17-Mar-90	22:00	0.000		
17-Mar-90	22:15	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
17-Mar-90	22:30	0.000		
17-Mar-90	22:45	0.000	0.140	
17-Mar-90	23:00	0.800		
17-Mar-90	23:15	0.200		
17-Mar-90	23:30	0.000		
17-Mar-90	23:45	0.000		
17-Mar-90	24:00	0.010		
18-Mar-90	00:15	0.140		
18-Mar-90	00:30	0.140		
18-Mar-90	00:45	0.140		
18-Mar-90	01:00	0.000		
18-Mar-90	01:15	0.000		
18-Mar-90	01:30	0.000		
18-Mar-90	01:45	0.000		
18-Mar-90	02:00	0.000		
18-Mar-90	02:15	0.000		
18-Mar-90	02:30	0.000		
18-Mar-90	02:45	0.000		
18-Mar-90	03:00	0.000		
18-Mar-90	03:15	0.000		6.50
18-Mar-90	03:30	0.000	0.000	
18-Mar-90	03:45	0.000		
18-Mar-90	04:00	0.000		
18-Mar-90	04:15	0.000		
18-Mar-90	04:30	0.000		
18-Mar-90	04:45	0.000		
18-Mar-90	05:00	0.000		
18-Mar-90	05:15	0.000		
18-Mar-90	05:30	0.000		
18-Mar-90	05:45	0.000		
18-Mar-90	06:00	0.000		
18-Mar-90	06:15	0.000		
18-Mar-90	06:30	0.000		
18-Mar-90	06:45	0.000		
18-Mar-90	07:00	0.000		
18-Mar-90	07:15	0.000		
18-Mar-90	07:30	0.000		
18-Mar-90	07:45	0.000		
18-Mar-90	08:00	0.000		
18-Mar-90	08:15	0.000		
18-Mar-90	08:30	0.000		
18-Mar-90	08:45	0.000		
18-Mar-90	09:00	0.000		
18-Mar-90	09:15	0.000		
18-Mar-90	09:30	0.000		0.50
18-Mar-90	09:45	0.000		
18-Mar-90	10:00	0.000		
18-Mar-90	10:15	0.000		
18-Mar-90	10:30	0.000		
18-Mar-90	10:45	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
18-Mar-90	11:00	0.000		
18-Mar-90	11:15	0.000		
18-Mar-90	11:30	0.000		
18-Mar-90	11:45	0.000		
18-Mar-90	12:00	0.000		
18-Mar-90	12:15	0.000		
18-Mar-90	12:30	0.000		
18-Mar-90	12:45	0.000		
18-Mar-90	13:00	0.000		
18-Mar-90	13:15	0.000		
18-Mar-90	13:30	0.000		
18-Mar-90	13:45	0.000		
18-Mar-90	14:00	0.000		
18-Mar-90	14:15	0.000		
18-Mar-90	14:30	0.000		
18-Mar-90	14:45	0.000		
18-Mar-90	15:00	0.000		
18-Mar-90	15:15	0.000		
18-Mar-90	15:30	0.000		
18-Mar-90	15:45	0.000		
18-Mar-90	16:00	0.000		6.50
18-Mar-90	16:15	0.000		
18-Mar-90	16:30	0.000		
18-Mar-90	16:45	0.000		
18-Mar-90	17:00	0.000		
18-Mar-90	17:15	0.000		
18-Mar-90	17:30	0.000		
18-Mar-90	17:45	0.000		
18-Mar-90	18:00	0.000		
18-Mar-90	18:15	0.000		
18-Mar-90	18:30	0.000		
18-Mar-90	18:45	0.000		
18-Mar-90	19:00	0.000		
18-Mar-90	19:15	0.000		
18-Mar-90	19:30	0.000		
18-Mar-90	19:45	0.000		
18-Mar-90	20:00	0.000		
18-Mar-90	20:15	0.000		
18-Mar-90	20:30	0.000		
18-Mar-90	20:45	0.000		
18-Mar-90	21:00	0.000		
18-Mar-90	21:15	0.000		
18-Mar-90	21:30	0.000		
18-Mar-90	21:45	0.000		
18-Mar-90	22:00	0.000		
18-Mar-90	22:15	0.000		0.50
18-Mar-90	22:30	0.000		
18-Mar-90	22:45	0.000		
18-Mar-90	23:00	0.000		
18-Mar-90	23:15	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
18-Mar-90	23:30	0.000		
18-Mar-90	23:45	0.000		
18-Mar-90	24:00	0.000		
19-Mar-90	00:15	0.000		
19-Mar-90	00:30	0.000		
19-Mar-90	00:45	0.060		
19-Mar-90	01:00	0.000		
19-Mar-90	01:15	0.000		
19-Mar-90	01:30	0.000		
19-Mar-90	01:45	0.000		
19-Mar-90	02:00	0.000		
19-Mar-90	02:15	0.000		
19-Mar-90	02:30	0.000		
19-Mar-90	02:45	0.000		
19-Mar-90	03:00	0.000		
19-Mar-90	03:15	0.000		
19-Mar-90	03:30	0.000		
19-Mar-90	03:45	0.000		
19-Mar-90	04:00	0.000		
19-Mar-90	04:15	0.000		6.50
19-Mar-90	04:30	0.000		
19-Mar-90	04:45	0.000		
19-Mar-90	05:00	0.000		
19-Mar-90	05:15	0.000		
19-Mar-90	05:30	0.000		
19-Mar-90	05:45	0.000		
19-Mar-90	06:00	0.000		
19-Mar-90	06:15	0.000		
19-Mar-90	06:30	0.000		
19-Mar-90	06:45	0.000		
19-Mar-90	07:00	0.000		
19-Mar-90	07:15	0.000		
19-Mar-90	07:30	0.000		
19-Mar-90	07:45	0.000		
19-Mar-90	08:00	0.000		
19-Mar-90	08:15	0.000		
19-Mar-90	08:30	0.000		
19-Mar-90	08:45	0.000		
19-Mar-90	09:00	0.000		
19-Mar-90	09:15	0.000		
19-Mar-90	09:30	0.000		
19-Mar-90	09:45	0.000		
19-Mar-90	10:00	0.000		
19-Mar-90	10:15	0.000		
19-Mar-90	10:30	0.000		0.50
19-Mar-90	10:45	0.000		
19-Mar-90	11:00	0.000		
19-Mar-90	11:15	0.000		
19-Mar-90	11:30	0.000		
19-Mar-90	11:45	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
19-Mar-90	12:00	0.000		
19-Mar-90	12:15	0.000		
19-Mar-90	12:30	0.000		
19-Mar-90	12:45	0.075		
19-Mar-90	13:00	0.100		
19-Mar-90	13:15	0.110		
19-Mar-90	13:30	0.120	0.030	
19-Mar-90	13:45	0.121		
19-Mar-90	14:00	0.130	0.070	
19-Mar-90	14:15	0.130		
19-Mar-90	14:30	0.120	0.080	
19-Mar-90	14:45	0.120		
19-Mar-90	15:00	0.121	0.085	
19-Mar-90	15:15	0.120		
19-Mar-90	15:30	0.110	0.120	
19-Mar-90	15:45	0.108		
19-Mar-90	16:00	0.091	0.120	
19-Mar-90	16:15	0.078		
19-Mar-90	16:30	0.070		
19-Mar-90	16:45	0.075		
19-Mar-90	17:00		0.120	6.50
19-Mar-90	17:15			
19-Mar-90	17:30	0.000		
19-Mar-90	17:45	0.000		
19-Mar-90	18:00	0.000	0.030	
19-Mar-90	18:15	0.000		
19-Mar-90	18:30	0.000		
19-Mar-90	18:45	0.000		
19-Mar-90	19:00	0.000	0.020	
19-Mar-90	19:15	0.000		
19-Mar-90	19:30	0.000		
19-Mar-90	19:45	0.000		
19-Mar-90	20:00	0.000		
19-Mar-90	20:15	0.000		
19-Mar-90	20:30	0.000		
19-Mar-90	20:45	0.000		
19-Mar-90	21:00	0.000		
19-Mar-90	21:15	0.000		
19-Mar-90	21:30	0.000		
19-Mar-90	21:45	0.000		
19-Mar-90	22:00	0.010		
19-Mar-90	22:15	0.009	0.020	
19-Mar-90	22:30	0.011		
19-Mar-90	22:45	0.013		
19-Mar-90	23:00	0.017		
19-Mar-90	23:15	0.017	0.020	0.50
19-Mar-90	23:30	0.018		
19-Mar-90	23:45	0.018		
19-Mar-90	24:00	0.018		
20-Mar-90	00:15	0.018		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
20-Mar-90	00:30	0.018		
20-Mar-90	00:45	0.018		
20-Mar-90	01:00	0.018		
20-Mar-90	01:15	0.018		
20-Mar-90	01:30	0.018		
20-Mar-90	01:45	0.026		
20-Mar-90	02:00	0.004		
20-Mar-90	02:15	0.090		
20-Mar-90	02:30	0.099		
20-Mar-90	02:45	0.108		
20-Mar-90	03:00	0.120		
20-Mar-90	03:15	0.150		
20-Mar-90	03:30	0.150		
20-Mar-90	03:45	0.150		
20-Mar-90	04:00	0.150		
20-Mar-90	04:15	0.150		
20-Mar-90	04:30	0.150		
20-Mar-90	04:45	0.150		
20-Mar-90	05:00	0.015		
20-Mar-90	05:15	0.000		6.50
20-Mar-90	05:30	0.000		
20-Mar-90	05:45	0.000		
20-Mar-90	06:00	0.093		
20-Mar-90	06:15	0.099		
20-Mar-90	06:30	0.086		
20-Mar-90	06:45	0.079		
20-Mar-90	07:00	0.070		
20-Mar-90	07:15	0.068		
20-Mar-90	07:30	0.063		
20-Mar-90	07:45	0.061		
20-Mar-90	08:00	0.061		
20-Mar-90	08:15	0.056		
20-Mar-90	08:30	0.054		
20-Mar-90	08:45	0.050		
20-Mar-90	09:00	0.046		
20-Mar-90	09:15	0.048		
20-Mar-90	09:30	0.038		
20-Mar-90	09:45	0.005		
20-Mar-90	10:00	0.000		
20-Mar-90	10:15	0.009		
20-Mar-90	10:30	0.012		
20-Mar-90	10:45	0.090		
20-Mar-90	11:00	0.100		
20-Mar-90	11:15	0.100		
20-Mar-90	11:30	0.090		0.50
20-Mar-90	11:45	0.088		
20-Mar-90	12:00	0.090		
20-Mar-90	12:15	0.088		
20-Mar-90	12:30	0.090		
20-Mar-90	12:45	0.085		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
20-Mar-90	13:00	0.079		
20-Mar-90	13:15	0.070		
20-Mar-90	13:30	0.063		
20-Mar-90	13:45	0.080		
20-Mar-90	14:00	0.096		
20-Mar-90	14:15	0.090		
20-Mar-90	14:30	0.090		
20-Mar-90	14:45	0.092		
20-Mar-90	15:00	0.098		
20-Mar-90	15:15	0.100		
20-Mar-90	15:30	0.100		
20-Mar-90	15:45	0.113		
20-Mar-90	16:00	0.119		
20-Mar-90	16:15	0.003		
20-Mar-90	16:30	0.000		
20-Mar-90	16:45	0.000		
20-Mar-90	17:00	0.110		
20-Mar-90	17:15	0.120	0.040	
20-Mar-90	17:30	0.130		
20-Mar-90	17:45	0.130	0.040	
20-Mar-90	18:00	0.140		6.50
20-Mar-90	18:15	0.142	0.110	
20-Mar-90	18:30	0.160		
20-Mar-90	18:45	0.150	0.130	
20-Mar-90	19:00	0.038		
20-Mar-90	19:15	0.000		
20-Mar-90	19:30	0.000		
20-Mar-90	19:45	0.000		
20-Mar-90	20:00	0.000		
20-Mar-90	20:15	0.100	0.060	
20-Mar-90	20:30	0.120		
20-Mar-90	20:45	0.121	0.090	
20-Mar-90	21:00	0.121		
20-Mar-90	21:15	0.121	0.090	
20-Mar-90	21:30	0.120		
20-Mar-90	21:45	0.113	0.080	
20-Mar-90	22:00	0.111		
20-Mar-90	22:15	0.111		
20-Mar-90	22:30	0.110	0.040	
20-Mar-90	22:45	0.109		
20-Mar-90	23:00	0.105	0.030	
20-Mar-90	23:15	0.100		
20-Mar-90	23:30	0.100	0.020	
20-Mar-90	23:45	0.100		
20-Mar-90	24:00	0.100		
21-Mar-90	00:15	0.090		0.50
21-Mar-90	00:30	0.090		
21-Mar-90	00:45	0.079		
21-Mar-90	01:00	0.078		
21-Mar-90	01:15	0.078		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
21-Mar-90	01:30	0.062		
21-Mar-90	01:45	0.060		
21-Mar-90	02:00	0.060		
21-Mar-90	02:15	0.006		
21-Mar-90	02:30	0.040		
21-Mar-90	02:45	0.048		
21-Mar-90	03:00	0.050		
21-Mar-90	03:15	0.050		
21-Mar-90	03:30	0.052		
21-Mar-90	03:45	0.051		
21-Mar-90	04:00	0.055		
21-Mar-90	04:15	0.060		
21-Mar-90	04:30	0.060		
21-Mar-90	04:45	0.055		
21-Mar-90	05:00	0.062		
21-Mar-90	05:15	0.060		
21-Mar-90	05:30	0.068		
21-Mar-90	05:45	0.066		
21-Mar-90	06:00	0.061		
21-Mar-90	06:15	0.058		6.50
21-Mar-90	06:30	0.060		
21-Mar-90	06:45	0.060		
21-Mar-90	07:00	0.066		
21-Mar-90	07:15	0.061		
21-Mar-90	07:30	0.060		
21-Mar-90	07:45	0.060		
21-Mar-90	08:00	0.064		
21-Mar-90	08:15	0.061		
21-Mar-90	08:30	0.062		
21-Mar-90	08:45	0.068		
21-Mar-90	09:00	0.062	0.020	
21-Mar-90	09:15	0.064		
21-Mar-90	09:30	0.045	0.020	
21-Mar-90	09:45	0.060		
21-Mar-90	10:00	0.060	0.020	
21-Mar-90	10:15	0.079		
21-Mar-90	10:30	0.072	0.020	
21-Mar-90	10:45	0.079		
21-Mar-90	11:00	0.077	0.020	
21-Mar-90	11:15	0.075		
21-Mar-90	11:30	0.074	0.020	
21-Mar-90	11:45	0.072	0.020	
21-Mar-90	12:00	0.070		
21-Mar-90	12:15	0.071		
21-Mar-90	12:30	0.070		0.50
21-Mar-90	12:45	0.070		
21-Mar-90	13:00	0.067	0.020	
21-Mar-90	13:15	0.060		
21-Mar-90	13:30	0.060	0.010	
21-Mar-90	13:45	0.061		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
21-Mar-90	14:00	0.060	0.040	
21-Mar-90	14:15	0.060		
21-Mar-90	14:30	0.060	0.020	
21-Mar-90	14:45	0.052		
21-Mar-90	15:00	0.052	0.020	
21-Mar-90	15:15	0.052		
21-Mar-90	15:30	0.038	0.020	
21-Mar-90	15:45	0.003		
21-Mar-90	16:00	0.050	0.010	
21-Mar-90	16:15	0.049		
21-Mar-90	16:30	0.045	0.010	
21-Mar-90	16:45	0.048		
21-Mar-90	17:00	0.025	0.010	
21-Mar-90	17:15	0.045		
21-Mar-90	17:30	0.049	0.010	
21-Mar-90	17:45	0.060		
21-Mar-90	18:00	0.070	0.010	
21-Mar-90	18:15	0.078		
21-Mar-90	18:30	0.079	0.020	
21-Mar-90	18:45	0.079		6.50
21-Mar-90	19:00	0.080	0.020	
21-Mar-90	19:15	0.083		
21-Mar-90	19:30	0.082	0.020	
21-Mar-90	19:45	0.082		
21-Mar-90	20:00	0.082	0.040	
21-Mar-90	20:15	0.081		
21-Mar-90	20:30	0.081	0.040	
21-Mar-90	20:45	0.081		
21-Mar-90	21:00	0.081	0.040	
21-Mar-90	21:15	0.081		
21-Mar-90	21:30	0.081	0.040	
21-Mar-90	21:45	0.090		
21-Mar-90	22:00	0.090	0.020	
21-Mar-90	22:15	0.090		
21-Mar-90	22:30	0.090	0.020	
21-Mar-90	22:45	0.090		
21-Mar-90	23:00	0.091	0.020	
21-Mar-90	23:15	0.094		
21-Mar-90	23:30	0.099	0.020	
21-Mar-90	23:45	0.100		
21-Mar-90	24:00	0.100		
22-Mar-90	00:15	0.100		
22-Mar-90	00:30	0.100		
22-Mar-90	00:45	0.100		
22-Mar-90	01:00	0.100		0.50
22-Mar-90	01:15	0.100		
22-Mar-90	01:30	0.090		
22-Mar-90	01:45	0.090		
22-Mar-90	02:00	0.083		
22-Mar-90	02:15	0.083		

TABLE 7
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
22-Mar-90	02:30	0.087		
22-Mar-90	02:45	0.089		
22-Mar-90	03:00	0.090		
22-Mar-90	03:15	0.085		
22-Mar-90	03:30	0.080		
22-Mar-90	03:45	0.080		
22-Mar-90	04:00	0.087	0.040	
22-Mar-90	04:15	0.090		
22-Mar-90	04:30	0.095		
22-Mar-90	04:45	0.096		
22-Mar-90	05:00	0.100		
22-Mar-90	05:15	0.110		
22-Mar-90	05:30	0.120		
22-Mar-90	05:45	0.025		
22-Mar-90	06:00	0.000		
22-Mar-90	06:15	0.000		
22-Mar-90	06:30	0.000		
22-Mar-90	06:45	0.000		
22-Mar-90	07:00	0.000		
22-Mar-90	07:15	0.050		6.50
22-Mar-90	07:30	0.120		
22-Mar-90	07:45	0.120		
22-Mar-90	08:00	0.020		
22-Mar-90	08:15	0.000		
22-Mar-90	08:30	0.000	0.050	
22-Mar-90	08:45	0.000		
22-Mar-90	09:00	0.000	0.000	
22-Mar-90	09:15	0.040		
22-Mar-90	09:30	0.110	0.000	
22-Mar-90	09:45	0.110		
22-Mar-90	10:00	0.105	0.000	
22-Mar-90	10:15	0.091		
22-Mar-90	10:30	0.091	0.000	
22-Mar-90	10:45	0.094		
22-Mar-90	11:00	0.110	0.000	
22-Mar-90	11:15	0.110		
22-Mar-90	11:30	0.110		
22-Mar-90	11:45	0.110		
22-Mar-90	12:00	0.110	0.000	
22-Mar-90	12:15	0.110		
22-Mar-90	12:30	0.120		
22-Mar-90	12:45	0.120		
22-Mar-90	13:00	0.120	0.020	
22-Mar-90	13:15	0.120		
22-Mar-90	13:30	0.110		0.50
22-Mar-90	13:45	0.110		
22-Mar-90	14:00	0.110	0.010	
22-Mar-90	14:15	0.110		
22-Mar-90	14:30	0.120		
22-Mar-90	14:45	0.110		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
22-Mar-90	15:00	0.060	0.020	
22-Mar-90	15:15	0.105		
22-Mar-90	15:30	0.110		
22-Mar-90	15:45	0.110		
22-Mar-90	16:00	0.110	0.010	
22-Mar-90	16:15	0.110		
22-Mar-90	16:30	0.110		
22-Mar-90	16:45	0.110		
22-Mar-90	17:00	0.110	0.000	
22-Mar-90	17:15	0.110		
22-Mar-90	17:30	0.110		
22-Mar-90	17:45	0.110		
22-Mar-90	18:00	0.110		
22-Mar-90	18:15	0.110		
22-Mar-90	18:30	0.110		
22-Mar-90	18:45	0.110		
22-Mar-90	19:00	0.110		
22-Mar-90	19:15	0.120		
22-Mar-90	19:30	0.120		
22-Mar-90	19:45	0.125		6.50
22-Mar-90	20:00	0.050		
22-Mar-90	20:15	0.000		
22-Mar-90	20:30	0.000		
22-Mar-90	20:45	0.000		
22-Mar-90	21:00	0.000		
22-Mar-90	21:15	0.070		
22-Mar-90	21:30	0.116		
22-Mar-90	21:45	0.120		
22-Mar-90	22:00	0.120		
22-Mar-90	22:15	0.127		
22-Mar-90	22:30	0.003		
22-Mar-90	22:45	0.000		
22-Mar-90	23:00	0.000		
22-Mar-90	23:15	0.000		
22-Mar-90	23:30	0.000		
22-Mar-90	23:45	0.000		
22-Mar-90	24:00	0.000		
23-Mar-90	00:15	0.000		
23-Mar-90	00:30	0.000		
23-Mar-90	00:45	0.000		
23-Mar-90	01:00	0.000		
23-Mar-90	01:15	0.000		
23-Mar-90	01:30	0.000		
23-Mar-90	01:45	0.000		
23-Mar-90	02:00	0.000		0.50
23-Mar-90	02:15	0.000		
23-Mar-90	02:30	0.000		
23-Mar-90	02:45	0.000		
23-Mar-90	03:00	0.000		
23-Mar-90	03:15	0.000		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
23-Mar-90	03:30	0.000		
23-Mar-90	03:45	0.000		
23-Mar-90	04:00	0.000		
23-Mar-90	04:15	0.000		
23-Mar-90	04:30	0.000		
23-Mar-90	04:45	0.000		
23-Mar-90	05:00	0.000		
23-Mar-90	05:15	0.000		
23-Mar-90	05:30	0.000		
23-Mar-90	05:45	0.000		
23-Mar-90	06:00	0.000		
23-Mar-90	06:15	0.000		
23-Mar-90	06:30	0.000		
23-Mar-90	06:45	0.000		
23-Mar-90	07:00	0.000		
23-Mar-90	07:15	0.000		
23-Mar-90	07:30	0.000		
23-Mar-90	07:45	0.000		
23-Mar-90	08:00	0.000		6.50
23-Mar-90	08:15	0.000		
23-Mar-90	08:30	0.000		
23-Mar-90	08:45	0.000		
23-Mar-90	09:00	0.000		
23-Mar-90	09:15	0.000		
23-Mar-90	09:30	0.000		
23-Mar-90	09:45	0.000		
23-Mar-90	10:00	0.000		
23-Mar-90	10:15	0.000		
23-Mar-90	10:30	0.000		
23-Mar-90	10:45	0.000		
23-Mar-90	11:00	0.000		
23-Mar-90	11:15	0.000		
23-Mar-90	11:30	0.000		
23-Mar-90	11:45	0.000		
23-Mar-90	12:00	0.000		
23-Mar-90	12:15	0.000		
23-Mar-90	12:30	0.000		
23-Mar-90	12:45	0.000		
23-Mar-90	13:00	0.000		
23-Mar-90	13:15	0.000		
23-Mar-90	13:30	0.000		
23-Mar-90	13:45	0.000		
23-Mar-90	14:00	0.031		
23-Mar-90	14:15	0.040		0.50
23-Mar-90	14:30	0.030	0.010	
23-Mar-90	14:45	0.030		
23-Mar-90	15:00	0.040		
23-Mar-90	15:15	0.045		
23-Mar-90	15:30	0.050	0.010	
23-Mar-90	15:45	0.068		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
23-Mar-90	16:00	0.079		
23-Mar-90	16:15	0.080		
23-Mar-90	16:30	0.080	0.010	
23-Mar-90	16:45	0.090		
23-Mar-90	17:00	0.090		
23-Mar-90	17:15	0.095		
23-Mar-90	17:30	0.090	0.000	
23-Mar-90	17:45	0.090		
23-Mar-90	18:00	0.090	0.000	
23-Mar-90	18:15	0.090		
23-Mar-90	18:30	0.090		
23-Mar-90	18:45	0.065	0.030	
23-Mar-90	19:00	0.080	0.000	
23-Mar-90	19:15	0.090		
23-Mar-90	19:30	0.080	0.020	
23-Mar-90	19:45	0.080		
23-Mar-90	20:00	0.088	0.080	
23-Mar-90	20:15	0.088		
23-Mar-90	20:30	0.065		6.50
23-Mar-90	20:45	0.060	0.000	
23-Mar-90	21:00	0.058		
23-Mar-90	21:15	0.060		
23-Mar-90	21:30	0.060		
23-Mar-90	21:45	0.060	0.020	
23-Mar-90	22:00	0.060		
23-Mar-90	22:15	0.075	0.080	
23-Mar-90	22:30	0.085		
23-Mar-90	22:45	0.085	0.020	
23-Mar-90	23:00	0.070		
23-Mar-90	23:15	0.080	0.000	
23-Mar-90	23:30	0.080		
23-Mar-90	23:45	0.080	0.010	
23-Mar-90	24:00	0.080		
24-Mar-90	00:15	0.080		
24-Mar-90	00:30	0.070		
24-Mar-90	00:45	0.070		
24-Mar-90	01:00	0.070		
24-Mar-90	01:15	0.070		
24-Mar-90	01:30	0.065		
24-Mar-90	01:45	0.060		
24-Mar-90	02:00	0.047		
24-Mar-90	02:15	0.040		
24-Mar-90	02:30	0.060		
24-Mar-90	02:45	0.065		0.50
24-Mar-90	03:00	0.060		
24-Mar-90	03:15	0.060		
24-Mar-90	03:30	0.060		
24-Mar-90	03:45	0.053		
24-Mar-90	04:00	0.032		
24-Mar-90	04:15	0.040		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
24-Mar-90	04:30	0.038		
24-Mar-90	04:45	0.032	0.030	
24-Mar-90	05:00	0.030		
24-Mar-90	05:15	0.026		
24-Mar-90	05:30	0.020		
24-Mar-90	05:45	0.019		
24-Mar-90	06:00	0.020		
24-Mar-90	06:15	0.020		
24-Mar-90	06:30	0.025		
24-Mar-90	06:45	0.025		
24-Mar-90	07:00	0.032		
24-Mar-90	07:15	0.031		
24-Mar-90	07:30	0.040		
24-Mar-90	07:45	0.048		
24-Mar-90	08:00	0.065		
24-Mar-90	08:15	0.070		
24-Mar-90	08:30	0.070		
24-Mar-90	08:45	0.071	0.000	
24-Mar-90	09:00	0.071		6.50
24-Mar-90	09:15	0.071		
24-Mar-90	09:30	0.071		
24-Mar-90	09:45	0.076	0.000	
24-Mar-90	10:00	0.080		
24-Mar-90	10:15	0.080		
24-Mar-90	10:30	0.080	0.070	
24-Mar-90	10:45	0.080		
24-Mar-90	11:00	0.080		
24-Mar-90	11:15	0.080		
24-Mar-90	11:30	0.070	0.010	
24-Mar-90	11:45	0.075		
24-Mar-90	12:00	0.078		
24-Mar-90	12:15	0.080		
24-Mar-90	12:30	0.082	0.010	
24-Mar-90	12:45	0.082	0.060	
24-Mar-90	13:00	0.082		
24-Mar-90	13:15	0.082		
24-Mar-90	13:30	0.082		
24-Mar-90	13:45	0.082	0.020	
24-Mar-90	14:00	0.082		
24-Mar-90	14:15	0.082		
24-Mar-90	14:30	0.080	0.010	
24-Mar-90	14:45	0.080		
24-Mar-90	15:00	0.080		
24-Mar-90	15:15	0.089		0.50
24-Mar-90	15:30	0.089	0.040	
24-Mar-90	15:45	0.089		
24-Mar-90	16:00	0.085		
24-Mar-90	16:15	0.085		
24-Mar-90	16:30	0.081		
24-Mar-90	16:45	0.080	0.030	

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
24-Mar-90	17:00	0.080		
24-Mar-90	17:15	0.082		
24-Mar-90	17:30	0.081		
24-Mar-90	17:45	0.081	0.010	
24-Mar-90	18:00	0.080		
24-Mar-90	18:15	0.080		
24-Mar-90	18:30	0.080		
24-Mar-90	18:45	0.080	0.010	
24-Mar-90	19:00	0.080		
24-Mar-90	19:15	0.080		
24-Mar-90	19:30	0.080		
24-Mar-90	19:45	0.080	0.010	
24-Mar-90	20:00	0.080		
24-Mar-90	20:15	0.080		
24-Mar-90	20:30	0.090		
24-Mar-90	20:45	0.091	0.040	
24-Mar-90	21:00	0.100		
24-Mar-90	21:15	0.100		6.50
24-Mar-90	21:30	0.110		
24-Mar-90	21:45	0.110	0.040	
24-Mar-90	22:00	0.110		
24-Mar-90	22:15	0.110		
24-Mar-90	22:30	0.110		
24-Mar-90	22:45	0.110		
24-Mar-90	23:00	0.110	0.040	
24-Mar-90	23:15	0.110	0.040	
24-Mar-90	23:30	0.110		
24-Mar-90	23:45	0.110		
24-Mar-90	24:00	0.100		
25-Mar-90	00:15	0.000		
25-Mar-90	00:30	0.000		
25-Mar-90	00:45	0.000		
25-Mar-90	01:00	0.000		
25-Mar-90	01:15	0.000		
25-Mar-90	01:30	0.000		
25-Mar-90	01:45	0.037		
25-Mar-90	02:00	0.100		
25-Mar-90	02:15	0.100		
25-Mar-90	02:30	0.000		
25-Mar-90	02:45	0.085		
25-Mar-90	03:00	0.092		
25-Mar-90	03:15	0.092		
25-Mar-90	03:30	0.091		0.50
25-Mar-90	03:45	0.090		
25-Mar-90	04:00	0.090		
25-Mar-90	04:15	0.080	0.010	
25-Mar-90	04:30	0.070		
25-Mar-90	04:45	0.079		
25-Mar-90	05:00	0.082		
25-Mar-90	05:15	0.082		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
25-Mar-90	05:30	0.080		
25-Mar-90	05:45	0.080		
25-Mar-90	06:00	0.079		
25-Mar-90	06:15	0.080		
25-Mar-90	06:30	0.075		
25-Mar-90	06:45	0.075		
25-Mar-90	07:00	0.079		
25-Mar-90	07:15	0.080		
25-Mar-90	07:30	0.080		
25-Mar-90	07:45	0.080		
25-Mar-90	08:00	0.083		
25-Mar-90	08:15	0.085		
25-Mar-90	08:30	0.090	0.160	
25-Mar-90	08:45	0.091		
25-Mar-90	09:00	0.092		
25-Mar-90	09:15	0.095		
25-Mar-90	09:30	0.180	0.160	
25-Mar-90	09:45	0.000		6.50
25-Mar-90	10:00	0.065		
25-Mar-90	10:15	0.110		
25-Mar-90	10:30	0.110		
25-Mar-90	10:45	0.120	0.170	
25-Mar-90	11:00	0.120		
25-Mar-90	11:15	0.120		
25-Mar-90	11:30	0.120		
25-Mar-90	11:45	0.120	0.180	
25-Mar-90	12:00	0.035		
25-Mar-90	12:15	0.000		
25-Mar-90	12:30	0.000		
25-Mar-90	12:45	0.000		
25-Mar-90	13:00	0.000		
25-Mar-90	13:15	0.000		
25-Mar-90	13:30	0.000		
25-Mar-90	13:45	0.000		
25-Mar-90	14:00	0.000		
25-Mar-90	14:15	0.000		
25-Mar-90	14:30	0.000		
25-Mar-90	14:45	0.006		
25-Mar-90	15:00	0.012		
25-Mar-90	15:15	0.050		
25-Mar-90	15:30	0.060		
25-Mar-90	15:45	0.060	0.020	
25-Mar-90	16:00	0.061		0.50
25-Mar-90	16:15	0.061		
25-Mar-90	16:30	0.061	0.020	
25-Mar-90	16:45	0.061		
25-Mar-90	17:00	0.060		
25-Mar-90	17:15	0.058		
25-Mar-90	17:30	0.059	0.020	
25-Mar-90	17:45	0.050		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
25-Mar-90	18:00	0.052		
25-Mar-90	18:15	0.050		
25-Mar-90	18:30	0.050		
25-Mar-90	18:45	0.050		
25-Mar-90	19:00	0.050		
25-Mar-90	19:15	0.050	0.020	
25-Mar-90	19:30	0.058		
25-Mar-90	19:45	0.060		
25-Mar-90	20:00	0.065		
25-Mar-90	20:15	0.066		
25-Mar-90	20:30	0.064	0.080	
25-Mar-90	20:45	0.064		
25-Mar-90	21:00	0.066		
25-Mar-90	21:15	0.066	0.090	
25-Mar-90	21:30	0.066		
25-Mar-90	21:45	0.080		
25-Mar-90	22:00	0.082		6.50
25-Mar-90	22:15	0.040	0.100	
25-Mar-90	22:30	0.000		
25-Mar-90	22:45	0.000		
25-Mar-90	23:00	0.000		
25-Mar-90	23:15	0.010		
25-Mar-90	23:30	0.065	0.020	
25-Mar-90	23:45	0.072		
25-Mar-90	24:00	0.072		
26-Mar-90	00:15	0.071		
26-Mar-90	00:30	0.071		
26-Mar-90	00:45	0.070		
26-Mar-90	01:00	0.070		
26-Mar-90	01:15	0.068		
26-Mar-90	01:30	0.065		
26-Mar-90	01:45	0.050		
26-Mar-90	02:00	0.060		
26-Mar-90	02:15	0.067		
26-Mar-90	02:30	0.100		
26-Mar-90	02:45	0.100		
26-Mar-90	03:00	0.100		
26-Mar-90	03:15	0.100		
26-Mar-90	03:30	0.100		
26-Mar-90	03:45	0.095		
26-Mar-90	04:00	0.080		
26-Mar-90	04:15	0.085		0.50
26-Mar-90	04:30	0.080	0.020	
26-Mar-90	04:45	0.075		
26-Mar-90	05:00	0.071		
26-Mar-90	05:15	0.070		
26-Mar-90	05:30	0.070		
26-Mar-90	05:45	0.065		
26-Mar-90	06:00	0.062		
26-Mar-90	06:15	0.062		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
26-Mar-90	06:30	0.065		
26-Mar-90	06:45	0.070		
26-Mar-90	07:00	0.070		
26-Mar-90	07:15	0.070		
26-Mar-90	07:30	0.070		
26-Mar-90	07:45	0.070		
26-Mar-90	08:00	0.070		
26-Mar-90	08:15	0.080	0.030	
26-Mar-90	08:30	0.084		
26-Mar-90	08:45	0.087		
26-Mar-90	09:00	0.090		
26-Mar-90	09:15	0.092	0.050	
26-Mar-90	09:30	0.100		
26-Mar-90	09:45	0.100		
26-Mar-90	10:00	0.100		
26-Mar-90	10:15	0.140		6.50
26-Mar-90	10:30	0.140	0.080	
26-Mar-90	10:45	0.140		
26-Mar-90	11:00	0.150		
26-Mar-90	11:15	0.150		
26-Mar-90	11:30	0.150	0.100	
26-Mar-90	11:45	0.140		
26-Mar-90	12:00	0.000		
26-Mar-90	12:15	0.000		
26-Mar-90	12:30	0.090	0.010	
26-Mar-90	12:45	0.100		
26-Mar-90	13:00	0.100		
26-Mar-90	13:15	0.100		
26-Mar-90	13:30	0.100	0.050	
26-Mar-90	13:45	0.100		
26-Mar-90	14:00	0.100		
26-Mar-90	14:15	0.100		
26-Mar-90	14:30	0.100	0.020	
26-Mar-90	14:45	0.100		
26-Mar-90	15:00	0.090		
26-Mar-90	15:15	0.100		
26-Mar-90	15:30	0.110	0.040	
26-Mar-90	15:45	0.110		
26-Mar-90	16:00	0.000		
26-Mar-90	16:15	0.000		
26-Mar-90	16:30	0.000		0.50
26-Mar-90	16:45	0.000	0.010	
26-Mar-90	17:00	0.000		
26-Mar-90	17:15	0.000		
26-Mar-90	17:30	0.000	0.000	
26-Mar-90	17:45	0.000	0.020	
26-Mar-90	18:00	0.000		
26-Mar-90	18:15	0.000		
26-Mar-90	18:30	0.000		
26-Mar-90	18:45	0.000	0.040	

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
26-Mar-90	19:00	0.000		
26-Mar-90	19:15	0.000		
26-Mar-90	19:30	0.000		
26-Mar-90	19:45	0.000	0.040	
26-Mar-90	20:00	0.000		
26-Mar-90	20:15	0.007		
26-Mar-90	20:30	0.024		
26-Mar-90	20:45	0.028	0.030	
26-Mar-90	21:00	0.028		
26-Mar-90	21:15	0.045		
26-Mar-90	21:30	0.052		
26-Mar-90	21:45	0.052	0.070	
26-Mar-90	22:00	0.057		
26-Mar-90	22:15	0.060		
26-Mar-90	22:30	0.060		6.50
26-Mar-90	22:45	0.065	0.070	
26-Mar-90	23:00	0.065		
26-Mar-90	23:15	0.061		
26-Mar-90	23:30	0.062		
26-Mar-90	23:45	0.060	0.080	
27-Mar-90	00:00	0.060		
27-Mar-90	00:15	0.060		
27-Mar-90	00:30	0.060		
27-Mar-90	00:45	0.060		
27-Mar-90	01:00	0.060		
27-Mar-90	01:15	0.059		
27-Mar-90	01:30	0.058		
27-Mar-90	01:45	0.058		
27-Mar-90	02:00	0.057		
27-Mar-90	02:15	0.053		
27-Mar-90	02:30	0.057		
27-Mar-90	02:45	0.000		
27-Mar-90	03:00	0.035		
27-Mar-90	03:15	0.020		
27-Mar-90	03:30	0.020		
27-Mar-90	03:45	0.050		
27-Mar-90	04:00	0.052		
27-Mar-90	04:15	0.043		
27-Mar-90	04:30	0.045	0.020	
27-Mar-90	04:45	0.040		0.50
27-Mar-90	05:00	0.035		
27-Mar-90	05:15	0.032		
27-Mar-90	05:30	0.026		
27-Mar-90	05:45	0.022		
27-Mar-90	06:00	0.018		
27-Mar-90	06:15	0.019		
27-Mar-90	06:30	0.019		
27-Mar-90	06:45	0.020		
27-Mar-90	07:00	0.020		
27-Mar-90	07:15	0.020		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
27-Mar-90	07:30	0.020		
27-Mar-90	07:45	0.021		
27-Mar-90	08:00	0.021	0.010	
27-Mar-90	08:15	0.021		
27-Mar-90	08:30	0.038		
27-Mar-90	08:45	0.038		
27-Mar-90	09:00	0.025	0.020	
27-Mar-90	09:15	0.060		
27-Mar-90	09:30	0.065		
27-Mar-90	09:45	0.070		
27-Mar-90	10:00	0.075	0.020	
27-Mar-90	10:15	0.080		
27-Mar-90	10:30	0.080		
27-Mar-90	10:45	0.080		
27-Mar-90	11:00	0.070	0.010	
27-Mar-90	11:15	0.070		6.50
27-Mar-90	11:30	0.075		
27-Mar-90	11:45	0.088		
27-Mar-90	12:00	0.090	0.010	
27-Mar-90	12:15	0.095		
27-Mar-90	12:30	0.100		
27-Mar-90	12:45	0.002		
27-Mar-90	13:00	0.000	0.030	
27-Mar-90	13:15	0.000		
27-Mar-90	13:30	0.000		
27-Mar-90	13:45	0.110		
27-Mar-90	14:00	0.110	0.040	
27-Mar-90	14:15	0.120		
27-Mar-90	14:30	0.120		
27-Mar-90	14:45	0.120		
27-Mar-90	15:00	0.120	0.010	
27-Mar-90	15:15	0.120		
27-Mar-90	15:30	0.120		
27-Mar-90	15:45	0.120		
27-Mar-90	16:00	0.120	0.010	
27-Mar-90	16:15	0.120		
27-Mar-90	16:30	0.120		
27-Mar-90	16:45	0.120		
27-Mar-90	17:00	0.120	0.010	
27-Mar-90	17:15	0.120		
27-Mar-90	17:30	0.100		0.50
27-Mar-90	17:45	0.070		
27-Mar-90	18:00	0.000	0.010	
27-Mar-90	18:15	0.000		
27-Mar-90	18:30	0.000		
27-Mar-90	18:45	0.000		
27-Mar-90	19:00	0.000	0.010	
27-Mar-90	19:15	0.070		
27-Mar-90	19:30	0.100		
27-Mar-90	19:45	0.100		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
27-Mar-90	20:00	0.100	0.020	
27-Mar-90	20:15	0.100		
27-Mar-90	20:30	0.100		
27-Mar-90	20:45	0.100		
27-Mar-90	21:00	0.100	0.010	
27-Mar-90	21:15	0.100		
27-Mar-90	21:30	0.100		
27-Mar-90	21:45	0.100		
27-Mar-90	22:00	0.100	0.010	
27-Mar-90	22:15	0.100		
27-Mar-90	22:30	0.100		
27-Mar-90	22:45	0.090		
27-Mar-90	23:00	0.080	0.010	
27-Mar-90	23:15	0.000		
27-Mar-90	23:30	0.000		6.50
27-Mar-90	23:45	0.000		
28-Mar-90	00:00	0.000		
28-Mar-90	00:15	0.000		
28-Mar-90	00:30	0.000		
28-Mar-90	00:45	0.000		
28-Mar-90	01:00	0.000		
28-Mar-90	01:15	0.000		
28-Mar-90	01:30	0.070		
28-Mar-90	01:45	0.100		
28-Mar-90	02:00	0.100		
28-Mar-90	02:15	0.110		
28-Mar-90	02:30	0.110		
28-Mar-90	02:45	0.110		
28-Mar-90	03:00	0.110		
28-Mar-90	03:15	0.110		
28-Mar-90	03:30	0.110		
28-Mar-90	03:45	0.100	0.020	
28-Mar-90	04:00	0.100		
28-Mar-90	04:15	0.000		
28-Mar-90	04:30	0.000		
28-Mar-90	04:45	0.000		
28-Mar-90	05:00	0.040		
28-Mar-90	05:15	0.100		
28-Mar-90	05:30	0.110		
28-Mar-90	05:45	0.100		0.50
28-Mar-90	06:00	0.100		
28-Mar-90	06:15	0.100		
28-Mar-90	06:30	0.100		
28-Mar-90	06:45	0.100		
28-Mar-90	07:00	0.100		
28-Mar-90	07:15	0.090		
28-Mar-90	07:30	0.090		
28-Mar-90	07:45	0.090		
28-Mar-90	08:00	0.090		
28-Mar-90	08:15	0.080		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
28-Mar-90	08:30	0.080		
28-Mar-90	08:45	0.085		
28-Mar-90	09:00	0.080	0.050	
28-Mar-90	09:15	0.080		
28-Mar-90	09:30	0.090		
28-Mar-90	09:45	0.090		
28-Mar-90	10:00	0.100	0.060	
28-Mar-90	10:15	0.110		
28-Mar-90	10:30	0.110		
28-Mar-90	10:45	0.006		
28-Mar-90	11:00	0.000		
28-Mar-90	11:15	0.000		
28-Mar-90	11:30	0.100		
28-Mar-90	11:45	0.110		
28-Mar-90	12:00	0.120	0.060	6.50
28-Mar-90	12:15	0.120		
28-Mar-90	12:30	0.120		
28-Mar-90	12:45	0.120		
28-Mar-90	13:00	0.120	0.060	
28-Mar-90	13:15	0.120		
28-Mar-90	13:30	0.120		
28-Mar-90	13:45	0.120		
28-Mar-90	14:00	0.090	0.090	
28-Mar-90	14:15	0.000		
28-Mar-90	14:30	0.000		
28-Mar-90	14:45	0.000		
28-Mar-90	15:00	0.000	0.020	
28-Mar-90	15:15	0.090		
28-Mar-90	15:30	0.110		
28-Mar-90	15:45	0.120		
28-Mar-90	16:00	0.120	0.030	
28-Mar-90	16:15	0.120		
28-Mar-90	16:30	0.120		
28-Mar-90	16:45	0.120		
28-Mar-90	17:00	0.120		
28-Mar-90	17:15	0.120		
28-Mar-90	17:30	0.110		
28-Mar-90	17:45	0.110		
28-Mar-90	18:00	0.110	0.040	
28-Mar-90	18:15	0.110		0.50
28-Mar-90	18:30	0.110		
28-Mar-90	18:45	0.110		
28-Mar-90	19:00	0.100	0.000	
28-Mar-90	19:15	0.090		
28-Mar-90	19:30	0.090		
28-Mar-90	19:45	0.090		
28-Mar-90	20:00	0.090	0.000	
28-Mar-90	20:15	0.090		
28-Mar-90	20:30	0.080		
28-Mar-90	20:45	0.085		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
28-Mar-90	21:00	0.085	0.030	
28-Mar-90	21:15	0.085		
28-Mar-90	21:30	0.085		
28-Mar-90	21:45	0.090		
28-Mar-90	22:00	0.095	0.030	
28-Mar-90	22:15	0.100		
28-Mar-90	22:30	0.100		
28-Mar-90	22:45	0.100		
28-Mar-90	23:00	0.100	0.020	
28-Mar-90	23:15	0.100		
28-Mar-90	23:30	0.110		
28-Mar-90	23:45	0.110		
29-Mar-90	00:00	0.110		
29-Mar-90	00:15	0.110		
29-Mar-90	00:30	0.120		6.500
29-Mar-90	00:45	0.120		
29-Mar-90	01:00	0.000		
29-Mar-90	01:15	0.000		
29-Mar-90	01:30	0.060		
29-Mar-90	01:45	0.110		
29-Mar-90	02:00	0.110		
29-Mar-90	02:15	0.100		
29-Mar-90	02:30	0.110		
29-Mar-90	02:45	0.110		
29-Mar-90	03:00	0.110	0.070	
29-Mar-90	03:15	0.100		
29-Mar-90	03:30	0.090		
29-Mar-90	03:45	0.100		
29-Mar-90	04:00	0.100		
29-Mar-90	04:15	0.100		
29-Mar-90	04:30	0.100		
29-Mar-90	04:45	0.100		
29-Mar-90	05:00	0.090		
29-Mar-90	05:15	0.090		
29-Mar-90	05:30	0.070		
29-Mar-90	05:45	0.080		
29-Mar-90	06:00	0.080		
29-Mar-90	06:15	0.070		
29-Mar-90	06:30	0.070		
29-Mar-90	06:45	0.070		0.50
29-Mar-90	07:00	0.070	0.020	
29-Mar-90	07:15	0.065		
29-Mar-90	07:30	0.062		
29-Mar-90	07:45	0.068		
29-Mar-90	08:00	0.068		
29-Mar-90	08:15	0.069		
29-Mar-90	08:30	0.069		
29-Mar-90	08:45	0.070		
29-Mar-90	09:00	0.070	0.060	
29-Mar-90	09:15	0.065		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
29-Mar-90	09:30	0.065		
29-Mar-90	09:45	0.065		
29-Mar-90	10:00	0.070	0.040	
29-Mar-90	10:15	0.070		
29-Mar-90	10:30	0.070		
29-Mar-90	10:45	0.070		
29-Mar-90	11:00	0.075	0.100	
29-Mar-90	11:15	0.080		
29-Mar-90	11:30	0.095		
29-Mar-90	11:45	0.100		
29-Mar-90	12:00	0.110	0.090	
29-Mar-90	12:15	0.120		
29-Mar-90	12:30	0.070		
29-Mar-90	12:45	0.000		
29-Mar-90	13:00	0.000		6.50
29-Mar-90	13:15	0.000		
29-Mar-90	13:30	0.000		
29-Mar-90	13:45	0.000		
29-Mar-90	14:00	0.000		
29-Mar-90	14:15	0.000		
29-Mar-90	14:30	0.012		
29-Mar-90	14:45	0.100		
29-Mar-90	15:00	0.120	0.080	
29-Mar-90	15:15	0.120		
29-Mar-90	15:30	0.120		
29-Mar-90	15:45	0.120		
29-Mar-90	16:00	0.120		
29-Mar-90	16:15	0.120		
29-Mar-90	16:30	0.120		
29-Mar-90	16:45	0.120		
29-Mar-90	17:00	0.120		
29-Mar-90	17:15	0.120	0.020	
29-Mar-90	17:30	0.120		
29-Mar-90	17:45	0.120		
29-Mar-90	18:00	0.120		
29-Mar-90	18:15	0.110	0.020	
29-Mar-90	18:30	0.110		
29-Mar-90	18:45	0.110		
29-Mar-90	19:00	0.100		
29-Mar-90	19:15	0.100	0.020	0.50
29-Mar-90	19:30	0.100		
29-Mar-90	19:45	0.100		
29-Mar-90	20:00	0.100		
29-Mar-90	20:15	0.098	0.020	
29-Mar-90	20:30	0.090		
29-Mar-90	20:45	0.090		
29-Mar-90	21:00	0.090		
29-Mar-90	21:15	0.090	0.020	
29-Mar-90	21:30	0.092		
29-Mar-90	21:45	0.100		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
29-Mar-90	22:00	0.100		
29-Mar-90	22:15	0.100	0.040	
29-Mar-90	22:30	0.100		
29-Mar-90	22:45	0.110		
29-Mar-90	23:00	0.120		
29-Mar-90	23:15	0.120	0.050	
29-Mar-90	23:30	0.130		
29-Mar-90	23:45	0.140		
30-Mar-90	00:00	0.140		
30-Mar-90	00:15	0.140		
30-Mar-90	00:30	0.140		
30-Mar-90	00:45	0.140		
30-Mar-90	01:00	0.150		
30-Mar-90	01:15	0.150		6.50
30-Mar-90	01:30	0.150		
30-Mar-90	01:45	0.070		
30-Mar-90	02:00	0.000		
30-Mar-90	02:15	0.000		
30-Mar-90	02:30	0.000		
30-Mar-90	02:45	0.000		
30-Mar-90	03:00	0.000		
30-Mar-90	03:15	0.000		
30-Mar-90	03:30	0.000		
30-Mar-90	03:45	0.000		
30-Mar-90	04:00	0.006		
30-Mar-90	04:15	0.005		
30-Mar-90	04:30	0.040		
30-Mar-90	04:45	0.060	0.000	
30-Mar-90	05:00	0.066		
30-Mar-90	05:15	0.070		
30-Mar-90	05:30	0.070		
30-Mar-90	05:45	0.070		
30-Mar-90	06:00	0.070		
30-Mar-90	06:15	0.070		
30-Mar-90	06:30	0.060		
30-Mar-90	06:45	0.062		
30-Mar-90	07:00	0.059		
30-Mar-90	07:15	0.060		
30-Mar-90	07:30	0.060		0.50
30-Mar-90	07:45	0.051		
30-Mar-90	08:00	0.057		
30-Mar-90	08:15	0.060		
30-Mar-90	08:30	0.060		
30-Mar-90	08:45	0.060		
30-Mar-90	09:00	0.060	0.010	
30-Mar-90	09:15	0.060		
30-Mar-90	09:30	0.065		
30-Mar-90	09:45	0.020		
30-Mar-90	10:00	0.036	0.020	
30-Mar-90	10:15	0.063		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
30-Mar-90	10:30	0.050		
30-Mar-90	10:45	0.000		
30-Mar-90	11:00	0.000		
30-Mar-90	11:15	0.000		
30-Mar-90	11:30	0.000		
30-Mar-90	11:45	0.000		
30-Mar-90	12:00	0.000		
30-Mar-90	12:15	0.000		
30-Mar-90	12:30	0.000		
30-Mar-90	12:45	0.000		
30-Mar-90	13:00	0.009		
30-Mar-90	13:15	0.025		
30-Mar-90	13:30	0.045		
30-Mar-90	13:45	0.038		
30-Mar-90	14:00	0.045	0.020	6.50
30-Mar-90	14:15	0.047		
30-Mar-90	14:30	0.050		
30-Mar-90	14:45	0.055		
30-Mar-90	15:00	0.060	0.050	
30-Mar-90	15:15	0.060		
30-Mar-90	15:30	0.055		
30-Mar-90	15:45	0.055		
30-Mar-90	16:00	0.064	0.050	
30-Mar-90	16:15	0.069		
30-Mar-90	16:30	0.069		
30-Mar-90	16:45	0.070		
30-Mar-90	17:00	0.070	0.040	
30-Mar-90	17:15	0.070		
30-Mar-90	17:30	0.070		
30-Mar-90	17:45	0.110		
30-Mar-90	18:00	0.110	0.020	
30-Mar-90	18:15	0.110		
30-Mar-90	18:30	0.110		
30-Mar-90	18:45	0.110		
30-Mar-90	19:00	0.115	0.030	
30-Mar-90	19:15	0.115		
30-Mar-90	19:30	0.115		
30-Mar-90	19:45	0.115		
30-Mar-90	20:00	0.115	0.020	
30-Mar-90	20:15	0.110		0.50
30-Mar-90	20:30	0.110		
30-Mar-90	20:45	0.095		
30-Mar-90	21:00	0.095	0.020	
30-Mar-90	21:15	0.090		
30-Mar-90	21:30	0.090		
30-Mar-90	21:45	0.086		
30-Mar-90	22:00	0.087	0.020	
30-Mar-90	22:15	0.084		
30-Mar-90	22:30	0.082		
30-Mar-90	22:45	0.082		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
30-Mar-90	23:00	0.082	0.050	
30-Mar-90	23:15	0.082		
30-Mar-90	23:30	0.081		
30-Mar-90	23:45	0.081	0.060	
31-Mar-90	00:00	0.080		
31-Mar-90	00:15	0.081		
31-Mar-90	00:30	0.085		
31-Mar-90	00:45	0.085		
31-Mar-90	01:00	0.090		
31-Mar-90	01:15	0.090		
31-Mar-90	01:30	0.086		
31-Mar-90	01:45	0.032		
31-Mar-90	02:00	0.090		
31-Mar-90	02:15	0.090		0.50
31-Mar-90	02:30	0.095		
31-Mar-90	02:45	0.095		
31-Mar-90	03:00	0.100		
31-Mar-90	03:15	0.100		
31-Mar-90	03:30	0.100		
31-Mar-90	03:45	0.100		
31-Mar-90	04:00	0.100	0.020	
31-Mar-90	04:15	0.090		
31-Mar-90	04:30	0.090		
31-Mar-90	04:45	0.090		
31-Mar-90	05:00	0.095		
31-Mar-90	05:15	0.095		
31-Mar-90	05:30	0.090		
31-Mar-90	05:45	0.095		
31-Mar-90	06:00	0.095		
31-Mar-90	06:15	0.095		
31-Mar-90	06:30	0.099		
31-Mar-90	06:45	0.095		
31-Mar-90	07:00	0.090		
31-Mar-90	07:15	0.090		
31-Mar-90	07:30	0.088		
31-Mar-90	07:45	0.089		
31-Mar-90	08:00	0.085		
31-Mar-90	08:15	0.085		0.50
31-Mar-90	08:30	0.085	0.000	
31-Mar-90	08:45	0.085		
31-Mar-90	09:00	0.075		
31-Mar-90	09:15	0.080		
31-Mar-90	09:30	0.080	0.000	
31-Mar-90	09:45	0.080		
31-Mar-90	10:00	0.081		
31-Mar-90	10:15	0.081		
31-Mar-90	10:30	0.081		
31-Mar-90	10:45	0.080		
31-Mar-90	11:00	0.079		
31-Mar-90	11:15	0.075		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
31-Mar-90	11:30	0.085	0.000	
31-Mar-90	11:45	0.090		
31-Mar-90	12:00	0.092		
31-Mar-90	12:15	0.092		
31-Mar-90	12:30	0.091		
31-Mar-90	12:45	0.095		
31-Mar-90	13:00	0.090		
31-Mar-90	13:15	0.000		
31-Mar-90	13:30	0.000		
31-Mar-90	13:45	0.045		
31-Mar-90	14:00	0.095		
31-Mar-90	14:15	0.100		
31-Mar-90	14:30	0.100	0.020	
31-Mar-90	14:45	0.110		6.50
31-Mar-90	15:00	0.110		
31-Mar-90	15:15	0.110		
31-Mar-90	15:30	0.110	0.020	
31-Mar-90	15:45	0.110		
31-Mar-90	16:00	0.115		
31-Mar-90	16:15	0.115		
31-Mar-90	16:30	0.115		
31-Mar-90	16:45	0.120	0.040	
31-Mar-90	17:00	0.120		
31-Mar-90	17:15	0.120		
31-Mar-90	17:30	0.120	0.000	
31-Mar-90	17:45	0.120		
31-Mar-90	18:00	0.120		
31-Mar-90	18:15	0.120		
31-Mar-90	18:30	0.120		
31-Mar-90	18:45	0.110	0.000	
31-Mar-90	19:00	0.110		
31-Mar-90	19:15	0.000		
31-Mar-90	19:30	0.090		
31-Mar-90	19:45	0.100	0.000	
31-Mar-90	20:00	0.100		
31-Mar-90	20:15	0.100		
31-Mar-90	20:30	0.100		
31-Mar-90	20:45	0.100	0.000	
31-Mar-90	21:00	0.110		0.50
31-Mar-90	21:15	0.110		
31-Mar-90	21:30	0.110	0.000	
31-Mar-90	21:45	0.100		
31-Mar-90	22:00	0.100		
31-Mar-90	22:15	0.105		
31-Mar-90	22:30	0.105		
31-Mar-90	22:45	0.105	0.020	
31-Mar-90	23:00	0.105		
31-Mar-90	23:15	0.105		
31-Mar-90	23:30	0.095	0.035	
31-Mar-90	23:45	0.080		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
01-Apr-90	00:00	0.070		
01-Apr-90	00:15	0.080		
01-Apr-90	00:30	0.090		
01-Apr-90	00:45	0.073		
01-Apr-90	01:00	0.069		
01-Apr-90	01:15	0.070		
01-Apr-90	01:30	0.070		
01-Apr-90	01:45	0.000		
01-Apr-90	02:00	0.000		
01-Apr-90	02:15	0.000		
01-Apr-90	02:30	0.000		
01-Apr-90	02:45	0.010		
01-Apr-90	03:00	0.014		
01-Apr-90	03:15	0.018		
01-Apr-90	03:30	0.021		
01-Apr-90	03:45	0.031	0.040	
01-Apr-90	04:00	0.035		
01-Apr-90	04:15	0.035		6.50
01-Apr-90	04:30	0.035		
01-Apr-90	04:45	0.035		
01-Apr-90	05:00	0.035		
01-Apr-90	05:15	0.037		
01-Apr-90	05:30	0.035		
01-Apr-90	05:45	0.035		
01-Apr-90	06:00	0.030		
01-Apr-90	06:15	0.030		
01-Apr-90	06:30	0.030		
01-Apr-90	06:45	0.028		
01-Apr-90	07:00	0.027		
01-Apr-90	07:15	0.022		
01-Apr-90	07:30	0.020		
01-Apr-90	07:45	0.019		
01-Apr-90	08:00	0.018		
01-Apr-90	08:15	0.018		
01-Apr-90	08:30	0.017		
01-Apr-90	08:45	0.016		
01-Apr-90	09:00	0.015		
01-Apr-90	09:15	0.014		
01-Apr-90	09:30	0.013		
01-Apr-90	09:45	0.013		
01-Apr-90	10:00	0.012	0.020	
01-Apr-90	10:15	0.012		
01-Apr-90	10:30	0.010		0.50
01-Apr-90	10:45	0.010		
01-Apr-90	11:00	0.010	0.000	
01-Apr-90	11:15	0.002		
01-Apr-90	11:30	0.008		
01-Apr-90	11:45	0.007		
01-Apr-90	12:00	0.007	0.010	
01-Apr-90	12:15	0.008		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
01-Apr-90	12:30	0.010		
01-Apr-90	12:45	0.014		
01-Apr-90	13:00	0.015	0.010	
01-Apr-90	13:15	0.016		
01-Apr-90	13:30	0.018		
01-Apr-90	13:45	0.020		
01-Apr-90	14:00	0.018	0.010	
01-Apr-90	14:15	0.020		
01-Apr-90	14:30	0.021		
01-Apr-90	14:45	0.025		
01-Apr-90	15:00	0.026	0.010	
01-Apr-90	15:15	0.026		
01-Apr-90	15:30	0.030		
01-Apr-90	15:45	0.035		
01-Apr-90	16:00	0.035	0.020	
01-Apr-90	16:15	0.035		
01-Apr-90	16:30	0.037		
01-Apr-90	16:45	0.040		
01-Apr-90	17:00	0.040	0.010	6.50
01-Apr-90	17:15	0.040		
01-Apr-90	17:30	0.040		
01-Apr-90	17:45	0.030		
01-Apr-90	18:00	0.020	0.020	
01-Apr-90	18:15	0.020		
01-Apr-90	18:30	0.021		
01-Apr-90	18:45	0.023		
01-Apr-90	19:00	0.023	0.030	
01-Apr-90	19:15	0.024		
01-Apr-90	19:30	0.025		
01-Apr-90	19:45	0.025		
01-Apr-90	20:00	0.023	0.010	
01-Apr-90	20:15	0.020		
01-Apr-90	20:30	0.018		
01-Apr-90	20:45	0.017		
01-Apr-90	21:00	0.017	0.010	
01-Apr-90	21:15	0.017		
01-Apr-90	21:30	0.017		
01-Apr-90	21:45	0.017		
01-Apr-90	22:00	0.016	0.010	
01-Apr-90	22:15	0.016		
01-Apr-90	22:30	0.016		
01-Apr-90	22:45	0.016		
01-Apr-90	23:00	0.017	0.010	
01-Apr-90	23:15	0.017		0.50
01-Apr-90	23:30	0.017		
01-Apr-90	23:45	0.018		
02-Apr-90	00:00	0.019	0.010	
02-Apr-90	00:15	0.019		
02-Apr-90	00:30	0.019		
02-Apr-90	00:45	0.019		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
02-Apr-90	01:00	0.020		
02-Apr-90	01:15	0.020		
02-Apr-90	01:30	0.021		
02-Apr-90	01:45	0.021		
02-Apr-90	02:00	0.022		
02-Apr-90	02:15	0.022		
02-Apr-90	02:30	0.022		
02-Apr-90	02:45	0.010		
02-Apr-90	03:00	0.019		
02-Apr-90	03:15	0.020		
02-Apr-90	03:30	0.020		
02-Apr-90	03:45	0.020		
02-Apr-90	04:00	0.021	0.040	
02-Apr-90	04:15	0.025		
02-Apr-90	04:30	0.028		
02-Apr-90	04:45	0.026		
02-Apr-90	05:00	0.033		
02-Apr-90	05:15	0.036		6.50
02-Apr-90	05:30	0.036		
02-Apr-90	05:45	0.038		
02-Apr-90	06:00	0.040		
02-Apr-90	06:15	0.040		
02-Apr-90	06:30	0.041		
02-Apr-90	06:45	0.042		
02-Apr-90	07:00	0.041		
02-Apr-90	07:15	0.042		
02-Apr-90	07:30	0.042		
02-Apr-90	07:45	0.042		
02-Apr-90	08:00	0.040		
02-Apr-90	08:15	0.040		
02-Apr-90	08:30	0.039		
02-Apr-90	08:45	0.030		
02-Apr-90	09:00	0.030	0.020	
02-Apr-90	09:15	0.030		
02-Apr-90	09:30	0.030		
02-Apr-90	09:45	0.030		
02-Apr-90	10:00	0.028	0.020	
02-Apr-90	10:15	0.027		
02-Apr-90	10:30	0.027		
02-Apr-90	10:45	0.027		
02-Apr-90	11:00	0.016	0.000	
02-Apr-90	11:15	0.016		
02-Apr-90	11:30	0.015		0.50
02-Apr-90	11:45	0.012		
02-Apr-90	12:00	0.012	0.020	
02-Apr-90	12:15	0.013		
02-Apr-90	12:30	0.015		
02-Apr-90	12:45	0.015		
02-Apr-90	13:00	0.015	0.010	
02-Apr-90	13:15	0.016		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
02-Apr-90	13:30	0.019		
02-Apr-90	13:45	0.020		
02-Apr-90	14:00	0.020	0.000	
02-Apr-90	14:15	0.020		
02-Apr-90	14:30	0.021		
02-Apr-90	14:45	0.021		
02-Apr-90	15:00	0.022	0.010	
02-Apr-90	15:15	0.023		
02-Apr-90	15:30	0.025		
02-Apr-90	15:45	0.025		
02-Apr-90	16:00	0.025	0.000	
02-Apr-90	16:15	0.026		
02-Apr-90	16:30	0.026		
02-Apr-90	16:45	0.028		
02-Apr-90	17:00	0.100		
02-Apr-90	17:15	0.150		
02-Apr-90	17:30	0.025	0.020	
02-Apr-90	17:45	0.000		
02-Apr-90	18:00	0.000		6.50
02-Apr-90	18:15	0.000		
02-Apr-90	18:30	0.000		
02-Apr-90	18:45	0.000		
02-Apr-90	19:00	0.025		
02-Apr-90	19:15	0.038		
02-Apr-90	19:30	0.050	0.000	
02-Apr-90	19:45	0.053		
02-Apr-90	20:00	0.051		
02-Apr-90	20:15	0.051	0.020	
02-Apr-90	20:30	0.050		
02-Apr-90	20:45	0.050		
02-Apr-90	21:00	0.050		
02-Apr-90	21:15	0.050	0.020	
02-Apr-90	21:30	0.048		
02-Apr-90	21:45	0.048		
02-Apr-90	22:00	0.041		
02-Apr-90	22:15	0.040	0.020	
02-Apr-90	22:30	0.040		
02-Apr-90	22:45	0.036		
02-Apr-90	23:00	0.035		
02-Apr-90	23:15	0.030	0.000	
02-Apr-90	23:30	0.029		
02-Apr-90	23:45	0.027		
03-Apr-90	00:00	0.025		
03-Apr-90	00:15	0.024		0.50
03-Apr-90	00:30	0.023		
03-Apr-90	00:45	0.020		
03-Apr-90	01:00	0.020		
03-Apr-90	01:15	0.018		
03-Apr-90	01:30	0.018		
03-Apr-90	01:45	0.019		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
03-Apr-90	02:00	0.035		
03-Apr-90	02:15	0.019		
03-Apr-90	02:30	0.021		
03-Apr-90	02:45	0.022		
03-Apr-90	03:00	0.022		
03-Apr-90	03:15	0.022		
03-Apr-90	03:30	0.023		
03-Apr-90	03:45	0.025		
03-Apr-90	04:00	0.027		
03-Apr-90	04:15	0.028	0.030	
03-Apr-90	04:30	0.000		
03-Apr-90	04:45	0.000		
03-Apr-90	05:00	0.000		
03-Apr-90	05:15	0.000		
03-Apr-90	05:30	0.000		
03-Apr-90	05:45	0.000		
03-Apr-90	06:00	0.000		
03-Apr-90	06:15	0.000		
03-Apr-90	06:30	0.000		6.50
03-Apr-90	06:45	0.000		
03-Apr-90	07:00	0.000		
03-Apr-90	07:15	0.018		
03-Apr-90	07:30	0.000		
03-Apr-90	07:45	0.000		
03-Apr-90	08:00	0.000		
03-Apr-90	08:15	0.000		
03-Apr-90	08:30	0.000		
03-Apr-90	08:45	0.000		
03-Apr-90	09:00	0.000		
03-Apr-90	09:15	0.000		
03-Apr-90	09:30	0.000		
03-Apr-90	09:45	0.000		
03-Apr-90	10:00	0.000		
03-Apr-90	10:15	0.000		
03-Apr-90	10:30	0.000		
03-Apr-90	10:45	0.000		
03-Apr-90	11:00	0.000		
03-Apr-90	11:15	0.000		
03-Apr-90	11:30	0.000		
03-Apr-90	11:45	0.000		
03-Apr-90	12:00	0.000		
03-Apr-90	12:15	0.003		
03-Apr-90	12:30	0.014		
03-Apr-90	12:45	0.013		0.50
03-Apr-90	13:00	0.013		
03-Apr-90	13:15	0.013	0.010	
03-Apr-90	13:30	0.014		
03-Apr-90	13:45	0.013		
03-Apr-90	14:00	0.012		
03-Apr-90	14:15	0.025		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
03-Apr-90	14:30	0.000		
03-Apr-90	14:45	0.045		
03-Apr-90	15:00	0.050		
03-Apr-90	15:15	0.050	0.020	
03-Apr-90	15:30	0.050		
03-Apr-90	15:45	0.050		
03-Apr-90	16:00	0.050	0.020	
03-Apr-90	16:15	0.051		
03-Apr-90	16:30	0.051		
03-Apr-90	16:45	0.051		
03-Apr-90	17:00	0.051	0.020	
03-Apr-90	17:15	0.052		
03-Apr-90	17:30	0.053		
03-Apr-90	17:45	0.055		
03-Apr-90	18:00	0.055	0.020	
03-Apr-90	18:15	0.059		
03-Apr-90	18:30	0.058		
03-Apr-90	18:45	0.055		
03-Apr-90	19:00	0.059	0.010	
03-Apr-90	19:15	0.060		6.50
03-Apr-90	19:30	0.060		
03-Apr-90	19:45	0.061		
03-Apr-90	20:00	0.061	0.020	
03-Apr-90	20:15	0.065		
03-Apr-90	20:30	0.068		
03-Apr-90	20:45	0.068		
03-Apr-90	21:00	0.065	0.020	
03-Apr-90	21:15	0.065		
03-Apr-90	21:30	0.059		
03-Apr-90	21:45	0.065		
03-Apr-90	22:00	0.069	0.020	
03-Apr-90	22:15	0.069		
03-Apr-90	22:30	0.069		
03-Apr-90	22:45	0.066		
03-Apr-90	23:00	0.069	0.010	
03-Apr-90	23:15	0.060		
03-Apr-90	23:30	0.060		
03-Apr-90	23:45	0.065		
04-Apr-90	00:00	0.062		
04-Apr-90	00:15	0.062		
04-Apr-90	00:30	0.069		
04-Apr-90	00:45	0.070		
04-Apr-90	01:00	0.079		
04-Apr-90	01:15	0.079		
04-Apr-90	01:30	0.080		0.50
04-Apr-90	01:45	0.015		
04-Apr-90	02:00	0.000		
04-Apr-90	02:15	0.000		
04-Apr-90	02:30	0.060		
04-Apr-90	02:45	0.100		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
04-Apr-90	03:00	0.110		
04-Apr-90	03:15	0.120		
04-Apr-90	03:30	0.120		
04-Apr-90	03:45	0.120		
04-Apr-90	04:00	0.130	0.035	
04-Apr-90	04:15	0.120		
04-Apr-90	04:30	0.120		
04-Apr-90	04:45	0.120		
04-Apr-90	05:00	0.120		
04-Apr-90	05:15	0.130		
04-Apr-90	05:30	0.130		
04-Apr-90	05:45	0.130		
04-Apr-90	06:00	0.140		
04-Apr-90	06:15	0.140		
04-Apr-90	06:30	0.150		
04-Apr-90	06:45	0.150		
04-Apr-90	07:00	0.150		
04-Apr-90	07:15	0.140		
04-Apr-90	07:30	0.130		
04-Apr-90	07:45	0.130		6.50
04-Apr-90	08:00	0.140		
04-Apr-90	08:15	0.140		
04-Apr-90	08:30	0.140		
04-Apr-90	08:45	0.140		
04-Apr-90	09:00	0.140	0.080	
04-Apr-90	09:15	0.140		
04-Apr-90	09:30	0.140		
04-Apr-90	09:45	0.140		
04-Apr-90	10:00	0.140	0.070	
04-Apr-90	10:15	0.140		
04-Apr-90	10:30	0.140		
04-Apr-90	10:45	0.140		
04-Apr-90	11:00	0.140	0.070	
04-Apr-90	11:15	0.140		
04-Apr-90	11:30	0.140		
04-Apr-90	11:45	0.140		
04-Apr-90	12:00	0.140	0.030	
04-Apr-90	12:15	0.140		
04-Apr-90	12:30	0.130		
04-Apr-90	12:45	0.120		
04-Apr-90	13:00	0.120	0.020	
04-Apr-90	13:15	0.110		
04-Apr-90	13:30	0.110		
04-Apr-90	13:45	0.110		
04-Apr-90	14:00	0.110	0.020	0.50
04-Apr-90	14:15	0.110		
04-Apr-90	14:30	0.120		
04-Apr-90	14:45	0.120		
04-Apr-90	15:00	0.120	0.020	
04-Apr-90	15:15	0.120		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
04-Apr-90	15:30	0.120		
04-Apr-90	15:45	0.000		
04-Apr-90	16:00	0.000		
04-Apr-90	16:15	0.040		
04-Apr-90	16:30	0.079		
04-Apr-90	16:45	0.090		
04-Apr-90	17:00	0.090	0.020	
04-Apr-90	17:15	0.090		
04-Apr-90	17:30	0.090		
04-Apr-90	17:45	0.090		
04-Apr-90	18:00	0.090		
04-Apr-90	18:15	0.090	0.080	
04-Apr-90	18:30	0.090		
04-Apr-90	18:45	0.090		
04-Apr-90	19:00	0.094		
04-Apr-90	19:15	0.094	0.070	
04-Apr-90	19:30	0.094		
04-Apr-90	19:45	0.096		
04-Apr-90	20:00	0.098		
04-Apr-90	20:15	0.100	0.065	6.50
04-Apr-90	20:30	0.100		
04-Apr-90	20:45	0.100		
04-Apr-90	21:00	0.100		
04-Apr-90	21:15	0.100	0.060	
04-Apr-90	21:30	0.110		
04-Apr-90	21:45	0.110		
04-Apr-90	22:00	0.110		
04-Apr-90	22:15	0.110	0.080	
04-Apr-90	22:30	0.110		
04-Apr-90	22:45	0.110		
04-Apr-90	23:00	0.120		
04-Apr-90	23:15	0.120	0.060	
04-Apr-90	23:30	0.120		
04-Apr-90	23:45	0.120		
05-Apr-90	00:00	0.120		
05-Apr-90	00:15	0.120		
05-Apr-90	00:30	0.120		
05-Apr-90	00:45	0.120		
05-Apr-90	01:00	0.120		
05-Apr-90	01:15	0.120		
05-Apr-90	01:30	0.110		
05-Apr-90	01:45	0.110		
05-Apr-90	02:00	0.100		
05-Apr-90	02:15	0.090		
05-Apr-90	02:30	0.087		0.50
05-Apr-90	02:45	0.087		
05-Apr-90	03:00	0.087		
05-Apr-90	03:15	0.087		
05-Apr-90	03:30	0.087		
05-Apr-90	03:45	0.082		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
05-Apr-90	04:00	0.082		
05-Apr-90	04:15	0.085	0.000	
05-Apr-90	04:30	0.085		
05-Apr-90	04:45	0.085		
05-Apr-90	05:00	0.085		
05-Apr-90	05:15	0.085		
05-Apr-90	05:30	0.085		
05-Apr-90	05:45	0.085		
05-Apr-90	06:00	0.085		
05-Apr-90	06:15	0.085		
05-Apr-90	06:30	0.085		
05-Apr-90	06:45	0.085		
05-Apr-90	07:00	0.085		
05-Apr-90	07:15	0.085		
05-Apr-90	07:30	0.085		
05-Apr-90	07:45	0.085		
05-Apr-90	08:00	0.085		
05-Apr-90	08:15	0.085		
05-Apr-90	08:30	0.085		
05-Apr-90	08:45	0.085		6.50
05-Apr-90	09:00	0.085	0.060	
05-Apr-90	09:15	0.090		
05-Apr-90	09:30	0.090		
05-Apr-90	09:45	0.090		
05-Apr-90	10:00	0.091	0.050	
05-Apr-90	10:15	0.092		
05-Apr-90	10:30	0.095		
05-Apr-90	10:45	0.095		
05-Apr-90	11:00	0.095		
05-Apr-90	11:15	0.095		
05-Apr-90	11:30	0.090		
05-Apr-90	11:45	0.092		
05-Apr-90	12:00	0.095	0.050	
05-Apr-90	12:15	0.098		
05-Apr-90	12:30	0.099		
05-Apr-90	12:45	0.100		
05-Apr-90	13:00	0.100	0.060	
05-Apr-90	13:15	0.100		
05-Apr-90	13:30	0.100		
05-Apr-90	13:45	0.100		
05-Apr-90	14:00	0.100	0.030	
05-Apr-90	14:15	0.095		
05-Apr-90	14:30	0.092		
05-Apr-90	14:45	0.090		
05-Apr-90	15:00	0.090	0.060	0.50
05-Apr-90	15:15	0.090		
05-Apr-90	15:30	0.080		
05-Apr-90	15:45	0.080		
05-Apr-90	16:00	0.080		
05-Apr-90	16:15	0.080		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
05-Apr-90	16:30	0.080		
05-Apr-90	16:45	0.090		
05-Apr-90	17:00	0.090	0.030	
05-Apr-90	17:15	0.095		
05-Apr-90	17:30	0.090		
05-Apr-90	17:45	0.090		
05-Apr-90	18:00	0.090	0.030	
05-Apr-90	18:15	0.090		
05-Apr-90	18:30	0.090		
05-Apr-90	18:45	0.090		
05-Apr-90	19:00	0.090	0.040	
05-Apr-90	19:15	0.090		
05-Apr-90	19:30	0.090		
05-Apr-90	19:45	0.085		
05-Apr-90	20:00	0.085	0.060	
05-Apr-90	20:15	0.085		
05-Apr-90	20:30	0.085		
05-Apr-90	20:45	0.085		
05-Apr-90	21:00	0.082	0.060	
05-Apr-90	21:15	0.082		6.50
05-Apr-90	21:30	0.082		
05-Apr-90	21:45	0.082		
05-Apr-90	22:00	0.082	0.060	
05-Apr-90	22:15	0.082		
05-Apr-90	22:30	0.085		
05-Apr-90	22:45	0.085		
05-Apr-90	23:00	0.085	0.070	
05-Apr-90	23:15	0.090		
05-Apr-90	23:30	0.090		
05-Apr-90	23:45	0.090		
06-Apr-90	00:00	0.095	0.070	
06-Apr-90	00:15	0.095		
06-Apr-90	00:30	0.095		
06-Apr-90	00:45	0.095		
06-Apr-90	01:00	0.095		
06-Apr-90	01:15	0.090		
06-Apr-90	01:30	0.090		
06-Apr-90	01:45	0.090		
06-Apr-90	02:00	0.090		
06-Apr-90	02:15	0.090		
06-Apr-90	02:30	0.080		
06-Apr-90	02:45	0.080		
06-Apr-90	03:00	0.070		
06-Apr-90	03:15	0.070		
06-Apr-90	03:30	0.070		0.5
06-Apr-90	03:45	0.070		
06-Apr-90	04:00	0.070		
06-Apr-90	04:15	0.072	0.000	
06-Apr-90	04:30	0.072		
06-Apr-90	04:45	0.075		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
06-Apr-90	05:00	0.078		
06-Apr-90	05:15	0.078		
06-Apr-90	05:30	0.078		
06-Apr-90	05:45	0.079		
06-Apr-90	06:00	0.079		
06-Apr-90	06:15	0.080		
06-Apr-90	06:30	0.080		
06-Apr-90	06:45	0.075		
06-Apr-90	07:00	0.075		
06-Apr-90	07:15	0.070		
06-Apr-90	07:30	0.070		
06-Apr-90	07:45	0.068		
06-Apr-90	08:00	0.068		
06-Apr-90	08:15	0.070		
06-Apr-90	08:30	0.075		
06-Apr-90	08:45	0.080		
06-Apr-90	09:00	0.085		
06-Apr-90	09:15	0.088		
06-Apr-90	09:30	0.090	0.070	
06-Apr-90	09:45	0.090		6.5
06-Apr-90	10:00	0.090	0.060	
06-Apr-90	10:15	0.100		
06-Apr-90	10:30	0.110		
06-Apr-90	10:45	0.120		
06-Apr-90	11:00	0.120	0.070	
06-Apr-90	11:15	0.120		
06-Apr-90	11:30	0.120		
06-Apr-90	11:45	0.120		
06-Apr-90	12:00	0.120	0.050	
06-Apr-90	12:15	0.120		
06-Apr-90	12:30	0.120		
06-Apr-90	12:45	0.120		
06-Apr-90	13:00	0.120	0.030	
06-Apr-90	13:15	0.120		
06-Apr-90	13:30	0.120		
06-Apr-90	13:45	0.120		
06-Apr-90	14:00	0.120	0.010	
06-Apr-90	14:15	0.100		
06-Apr-90	14:30	0.100		
06-Apr-90	14:45	0.099		
06-Apr-90	15:00	0.099	0.020	
06-Apr-90	15:15	0.099		
06-Apr-90	15:30	02:22		
06-Apr-90	15:45	0.060		
06-Apr-90	16:00	0.010		0.5
06-Apr-90	16:15	0.005		
06-Apr-90	16:30	0.004		
06-Apr-90	16:45	0.004		
06-Apr-90	17:00	0.003	0.010	
06-Apr-90	17:15	0.003		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
06-Apr-90	17:30	0.003		
06-Apr-90	17:45	0.003		
06-Apr-90	18:00	0.003	0.010	
06-Apr-90	18:15	0.003		
06-Apr-90	18:30	0.003		
06-Apr-90	18:45	0.055		
06-Apr-90	19:00	0.067	0.000	
06-Apr-90	19:15	0.072		
06-Apr-90	19:30	0.072		
06-Apr-90	19:45	0.079		
06-Apr-90	20:00	0.080	0.020	
06-Apr-90	20:15	0.080		
06-Apr-90	20:30	0.075		
06-Apr-90	20:45	0.071		
06-Apr-90	21:00	0.071	0.020	
06-Apr-90	21:15	0.070		
06-Apr-90	21:30	0.070		
06-Apr-90	21:45	0.075		
06-Apr-90	22:00	0.080	0.020	6.5
06-Apr-90	22:15	0.085		
06-Apr-90	22:30	0.085		
06-Apr-90	22:45	0.089		
06-Apr-90	23:00	0.090	0.020	
06-Apr-90	23:15	0.095		
06-Apr-90	23:30	0.095		
06-Apr-90	23:45	0.099		
07-Apr-90	00:00	0.100		
07-Apr-90	00:15	0.100		
07-Apr-90	00:30	0.110		
07-Apr-90	00:45	0.110		
07-Apr-90	01:00	0.100		
07-Apr-90	01:15	0.100		
07-Apr-90	01:30	0.100		
07-Apr-90	01:45	0.100		
07-Apr-90	02:00	0.097		
07-Apr-90	02:15	0.095		
07-Apr-90	02:30	0.090		
07-Apr-90	02:45	0.070		
07-Apr-90	03:00	0.070	0.000	
07-Apr-90	03:15	0.074		
07-Apr-90	03:30	0.070		
07-Apr-90	03:45	0.069		
07-Apr-90	04:00	0.060		
07-Apr-90	04:15	0.061		0.5
07-Apr-90	04:30	0.061		
07-Apr-90	04:45	0.060		
07-Apr-90	05:00	0.060		
07-Apr-90	05:15	0.060		
07-Apr-90	05:30	0.060		
07-Apr-90	05:45	0.060		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
07-Apr-90	06:00	0.060		
07-Apr-90	06:15	0.060		
07-Apr-90	06:30	0.060		
07-Apr-90	06:45	0.060		
07-Apr-90	07:00	0.060	0.000	
07-Apr-90	07:15	0.060		
07-Apr-90	07:30	0.060		
07-Apr-90	07:45	0.060		
07-Apr-90	08:00	0.050		
07-Apr-90	08:15	0.050		
07-Apr-90	08:30	0.049	0.020	
07-Apr-90	08:45	0.049		
07-Apr-90	09:00	0.049		
07-Apr-90	09:15	0.049		
07-Apr-90	09:30	0.045	0.000	
07-Apr-90	09:45	0.045		
07-Apr-90	10:00	0.045		
07-Apr-90	10:15	0.045		
07-Apr-90	10:30	0.045	0.020	6.5
07-Apr-90	10:45	0.040		
07-Apr-90	11:00	0.040		
07-Apr-90	11:15	00:57		
07-Apr-90	11:30	0.035	0.030	
07-Apr-90	11:45	0.040		
07-Apr-90	12:00	0.045		
07-Apr-90	12:15	0.050	0.040	
07-Apr-90	12:30	0.058		
07-Apr-90	12:45	0.060		
07-Apr-90	13:00	0.060		
07-Apr-90	13:15	0.060	0.030	
07-Apr-90	13:30	0.061		
07-Apr-90	13:45	0.061		
07-Apr-90	14:00	0.061		
07-Apr-90	14:15	0.062	0.030	
07-Apr-90	14:30	0.070		
07-Apr-90	14:45	0.070		
07-Apr-90	15:00	0.070		
07-Apr-90	15:15	0.070	0.030	
07-Apr-90	15:30	0.071		
07-Apr-90	15:45	0.071		
07-Apr-90	16:00	0.071		
07-Apr-90	16:15	0.070	0.020	
07-Apr-90	16:30	0.070		
07-Apr-90	16:45	0.070		0.5
07-Apr-90	17:00	0.070		
07-Apr-90	17:15	0.070		
07-Apr-90	17:30	0.070	0.010	
07-Apr-90	17:45	0.070		
07-Apr-90	18:00	0.072		
07-Apr-90	18:15	0.072		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
07-Apr-90	18:30	0.075	0.010	
07-Apr-90	18:45	0.075		
07-Apr-90	19:00	0.075		
07-Apr-90	19:15	0.070		
07-Apr-90	19:30	0.070	0.020	
07-Apr-90	19:45	0.069		
07-Apr-90	20:00	0.069		
07-Apr-90	20:15	0.069		
07-Apr-90	20:30	0.070	0.030	
07-Apr-90	20:45	0.070		
07-Apr-90	21:00	0.070		
07-Apr-90	21:15	0.070		
07-Apr-90	21:30	0.070	0.020	
07-Apr-90	21:45	0.070		
07-Apr-90	22:00	0.070		
07-Apr-90	22:15	0.070		
07-Apr-90	22:30	0.070	0.020	
07-Apr-90	22:45	0.070		6.5
07-Apr-90	23:00	0.075		
07-Apr-90	23:15	0.075		
07-Apr-90	23:30	0.080		
07-Apr-90	23:45	0.080	0.020	
08-Apr-90	00:00	0.080		
08-Apr-90	00:15	0.081		
08-Apr-90	00:30	0.085		
08-Apr-90	00:45	0.090		
08-Apr-90	01:00	0.075		
08-Apr-90	01:15	0.080		
08-Apr-90	01:30	0.080		
08-Apr-90	01:45	0.080		
08-Apr-90	02:00	0.080		
08-Apr-90	02:15	0.080		
08-Apr-90	02:30	0.080		
08-Apr-90	02:45	0.080		
08-Apr-90	03:00	0.075		
08-Apr-90	03:15	0.075	0.020	
08-Apr-90	03:30	0.075		
08-Apr-90	03:45	0.065		
08-Apr-90	04:00	0.065		
08-Apr-90	04:15	0.065		
08-Apr-90	04:30	0.060		
08-Apr-90	04:45	0.060		
08-Apr-90	05:00	0.060		0.5
08-Apr-90	05:15	0.060		
08-Apr-90	05:30	0.060		
08-Apr-90	05:45	0.059		
08-Apr-90	06:00	0.059		
08-Apr-90	06:15	0.059		
08-Apr-90	06:30	0.059		
08-Apr-90	06:45	0.059	0.020	

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
08-Apr-90	07:00	0.050		
08-Apr-90	07:15	0.050		
08-Apr-90	07:30	0.050		
08-Apr-90	07:45	0.050		
08-Apr-90	08:00	0.050		
08-Apr-90	08:15	0.050		
08-Apr-90	08:30	0.050		
08-Apr-90	08:45	0.050		
08-Apr-90	09:00	0.050		
08-Apr-90	09:15	0.050	0.020	
08-Apr-90	09:30	0.045		
08-Apr-90	09:45	0.040		
08-Apr-90	10:00	0.040		
08-Apr-90	10:15	0.040	0.020	
08-Apr-90	10:30	0.043		
08-Apr-90	10:45	0.045		
08-Apr-90	11:00	0.045		
08-Apr-90	11:15	0.048	0.000	6.5
08-Apr-90	11:30	0.050		
08-Apr-90	11:45	0.051		
08-Apr-90	12:00	0.055		
08-Apr-90	12:15	0.060	0.030	
08-Apr-90	12:30	0.065		
08-Apr-90	12:45	0.065		
08-Apr-90	13:00	0.068		
08-Apr-90	13:15	0.070	0.050	
08-Apr-90	13:30	0.070		
08-Apr-90	13:45	0.070		
08-Apr-90	14:00	0.066		
08-Apr-90	14:15	0.065	0.040	
08-Apr-90	14:30	0.065		
08-Apr-90	14:45	0.062		
08-Apr-90	15:00	0.062		
08-Apr-90	15:15	0.062	0.020	
08-Apr-90	15:30	0.062		
08-Apr-90	15:45	0.062		
08-Apr-90	16:00	0.062		
08-Apr-90	16:15	0.052	0.020	
08-Apr-90	16:30	0.052		
08-Apr-90	16:45	0.055		
08-Apr-90	17:00	0.058		
08-Apr-90	17:15	0.058	0.010	
08-Apr-90	17:30	0.053		0.5
08-Apr-90	17:45	0.053		
08-Apr-90	18:00	0.053		
08-Apr-90	18:15	0.053	0.020	
08-Apr-90	18:30	0.053		
08-Apr-90	18:45	0.050		
08-Apr-90	19:00	0.050		
08-Apr-90	19:15	0.052	0.020	

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
08-Apr-90	19:30	0.052		
08-Apr-90	19:45	0.052		
08-Apr-90	20:00	0.054		
08-Apr-90	20:15	0.054	0.020	
08-Apr-90	20:30	0.054		
08-Apr-90	20:45	0.054		
08-Apr-90	21:00	0.054		
08-Apr-90	21:15	0.059	0.010	
08-Apr-90	21:30	0.059		
08-Apr-90	21:45	0.059		
08-Apr-90	22:00	0.055		
08-Apr-90	22:15	0.052	0.020	
08-Apr-90	22:30	0.052		
08-Apr-90	22:45	0.050		
08-Apr-90	23:00	0.050		
08-Apr-90	23:15	0.050	0.060	6.5
08-Apr-90	23:30	0.055		
08-Apr-90	23:45	0.060		
09-Apr-90	00:00	0.060		
09-Apr-90	00:15	0.061		
09-Apr-90	00:30	0.062		
09-Apr-90	00:45	0.065		
09-Apr-90	01:00	0.069		
09-Apr-90	01:15	0.069		
09-Apr-90	01:30	0.070		
09-Apr-90	01:45	0.070		
09-Apr-90	02:00	0.071		
09-Apr-90	02:15	0.071		
09-Apr-90	02:30	0.071		
09-Apr-90	02:45	0.070		
09-Apr-90	03:00	0.070		
09-Apr-90	03:15	0.070		
09-Apr-90	03:30	0.069		
09-Apr-90	03:45	0.066		
09-Apr-90	04:00	0.061		
09-Apr-90	04:15	0.061	0.040	
09-Apr-90	04:30	0.061		
09-Apr-90	04:45	0.060		
09-Apr-90	05:00	0.060		
09-Apr-90	05:15	0.050		
09-Apr-90	05:30	0.035		
09-Apr-90	05:45	0.039		
09-Apr-90	06:00	0.042		
09-Apr-90	06:15	0.045		
09-Apr-90	06:30	0.046		
09-Apr-90	06:45	0.046		
09-Apr-90	07:00	0.046		
09-Apr-90	07:15	0.046		
09-Apr-90	07:30	0.046		
09-Apr-90	07:45	0.046		

TABLE I
CHLORINE STUDY

DATE	TIME	MONITOR	MANHOLE	TIDE
09-Apr-90	08:00	0.046		
09-Apr-90	08:15	0.046		
09-Apr-90	08:30	0.046		
09-Apr-90	08:45	0.046		
09-Apr-90	09:00	0.045	0.010	
09-Apr-90	09:15	0.045		
09-Apr-90	09:30	0.045		
09-Apr-90	09:45	0.045		
09-Apr-90	10:00	0.045	0.010	
09-Apr-90	10:15	01:04		
09-Apr-90	10:30	0.055		
09-Apr-90	10:45	0.062		
09-Apr-90	11:00	0.065	0.030	
09-Apr-90	11:15	0.067		
09-Apr-90	11:30	0.070		
09-Apr-90	11:45	0.073		6.5
09-Apr-90	12:00	0.079	0.030	
09-Apr-90	12:15	0.080		
09-Apr-90	12:30	0.068		
09-Apr-90	12:45	0.002		
09-Apr-90	13:00	0.030		
09-Apr-90	13:15	0.000		

TABLE 2-1

SHOREHAM NUCLEAR POWER STATION
 SPDES PERMIT MODIFICATION
 SUMMARY OF EXCEEDENCES
 AUGUST 1987 - OCTOBER 1990

<u>OUTFALL</u>	<u>DATE</u>	<u>TSS MAX (mg/l)</u>	<u>TSS AVERAGE (mg/l)</u>	<u>OIL & GREASE MAX (mg/l)</u>
001B	JULY 1990			28.6
003	FEBRUARY 1988		46.0	
	JANUARY 1989		36.0	
	FEBRUARY 1989	85.0	50.0	16.8
	AUGUST 1989	51.0		
	SEPTEMBER 1989	140.0		
		55.0	53.8	
003A	AUGUST 1987	78.0		
	FEBRUARY 1988	91.0		
	MARCH 1988	83.0		
	JULY 1988	186.0		
	FEBRUARY 1989	87.0		20.0
	JULY 1989	108.0		
	AUGUST 1989	95.0		
	SEPTEMBER 1989	106.0		
	FEBRUARY 1990			20.3
003B	JANUARY 1989			22.5
	JUNE 1989	380.0		34.1
		196.0		
	OCTOBER 1990			16.0
	SEPTEMBER 1990	116.0		

TABLE 2-2
 SHOREHAM NUCLEAR POWER STATION
 SPDES PERMIT MODIFICATION
 DMR DATA SUMMARY
 OUTFALL 001B
 AUGUST 1987 - OCTOBER 1990

	<u>TSS</u>	<u>TSS AVG</u>	<u>OIL & GREASE</u>	<u>IRON</u>	<u>pH</u>
1987					
TOTAL # OF SAMPLES	89	NA	23	23	89
# OF EXCEEDENCES	0	0	0	NA	0
1988					
TOTAL # OF SAMPLES	228	NA	60	73	228
# OF EXCEEDENCES	0	0	0	NA	0
1989					
TOTAL # OF SAMPLES	228	NA	53	52	227
# OF EXCEEDENCES	0	0	0	NA	0
1990					
TOTAL # OF SAMPLES	63	NA	41	41	63
# OF EXCEEDENCES	0	0	1	NA	0

TABLE 2-3
 SHOREHAM NUCLEAR POWER STATION
 SPDES PERMIT MODIFICATION
 DMR DATA SUMMARY
 OUTFALL 003
 AUGUST 1987 - OCTOBER 1990

	<u>TSS</u>	<u>TSS AVG</u>	<u>OIL & GREASE</u>	<u>IRON</u>	<u>pH</u>	<u>FLOW</u>
1987						
TOTAL # OF SAMPLES	10	NA	10	10	10	10
# OF EXCEEDENCES	0	0	0	NA	0	0
1988						
TOTAL # OF SAMPLES	24	NA	24	24	24	24
# OF EXCEEDENCES	0	0	0	NA	0	0
1989						
TOTAL # OF SAMPLES	29	NA	24	24	24	24
# OF EXCEEDENCES	4	3	1	NA	0	3*
1990						
TOTAL # OF SAMPLES	20	NA	20	20	20	20
# OF EXCEEDENCES	0	0	0	NA	0	7*

* Flow is within design capacity of system. A typographical error inadvertently changed the flow rate limit contained in the permit.

TABLE 2-4
 SHOREHAM NUCLEAR POWER STATION
 SPDES PERMIT MODIFICATION
 DMR DATA SUMMARY
 OUTFALL 003A
 AUGUST 1987 - OCTOBER 1990

	<u>TSS</u>	<u>OIL & GREASE</u>
1987		
TOTAL # OF SAMPLES	12	10
# OF EXCEEDENCES	1	0
1988		
TOTAL # OF SAMPLES	27	24
# OF EXCEEDENCES	3	0
1989		
TOTAL # OF SAMPLES	34	26
# OF EXCEEDENCES	4	1
1990		
TOTAL # OF SAMPLES	20	23
# OF EXCEEDENCES	0	1

TABLE 2-5
 SHOREHAM NUCLEAR POWER STATION
 SPDES PERMIT MODIFICATION
 DMR DATA SUMMARY
 OUTFALL 003B
 AUGUST 1987 - OCTOBER 1990

	<u>TSS</u>	<u>OIL & GREASE</u>	<u>FLOW</u>
1987			
TOTAL # OF SAMPLES	9	9	9
# OF EXCEEDENCES	0	0	0
1988			
TOTAL # OF SAMPLES	24	24	24
# OF EXCEEDENCES	0	0	0
1989			
TOTAL # OF SAMPLES	27	24	24
# OF EXCEEDENCES	2	3	0
1990			
TOTAL # OF SAMPLES	23	21	20
# OF EXCEEDENCES	1	0	0