

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 78-74

NPDES PERMIT NO. CA0038121

WASTE DISCHARGE REQUIREMENTS FOR:

CITY OF YOUNTVILLE AND VETERANS
HOME, DEPARTMENT OF VETERANS AFFAIRS,
STATE OF CALIFORNIA
NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board) finds that:

1. The City of Yountville and Veterans Home, Department of Veterans Affairs, State of California, (hereinafter called the dischargers) submitted a report of a waste discharge dated March 23, 1978, and consultant's letter dated June 27, 1978.
2. The dischargers plan to construct and operate a jointly-owned plant and to treat and discharge waste from the City of Yountville and the Veterans Home into the Napa River a water of the United States, through an 18 inch outfall at 38° 24' 24" N latitude and 122° 20' 27" W longitude and through a 6" outlet on the reclaimed wastewater pipeline at 38° 23' 53" N latitude and 122° 20' 31" W longitude. Waste will be discharged to the river only during the wet weather season from October 1st thru May 15th. During the dry weather season, all wastewater will be reclaimed and that reclamation will be covered by a different set of waste discharge requirements adopted by the Board.
3. The dischargers provided the following information in the report of waste discharge and other submitted material:
 - a. The treatment plant will have a design capacity to treat average and peak flows of 2.0 and 2.63 million gallons per day (mgd) respectively.
 - b. Maximum wet weather discharge to the river will be 2.0 mgd.
 - c. The monthly waste discharge shall comply with the following limits:

<u>Constituents</u>	<u>Milligrams per liter</u>	<u>Pounds per day</u>
BOD	10	167
Suspended Solids	15	250
Oil and Grease	5	83

4. A Water Quality Control Plan for the San Francisco Bay Basin was adopted by the Board in April 1975. The Basin Plan contains water quality objectives for the Napa River.
5. The beneficial uses of the Napa River downstream from the point of discharge are:
 - a. Agricultural water supply for stock watering, irrigation and frost protection.
 - b. Water contact recreation.
 - c. Fish migration and habitat.
 - d. Preservation and enhancement of fish, wildlife and other aquatic resources.
 - e. Esthetic enjoyment.
6. The discharges from City of Yountville and the Veterans Home are presently governed by Waste Discharge Requirements Orders Nos. 74-141, 76-1, 76-118, 75-2, 76-2 and 76-117 which allow discharge to the Napa River.
7. The Basin Plan prohibits discharge of wastewater which has characteristics of concern to beneficial uses into any nontidal water. An exception can be considered for wet weather and other discharges having a high initial dilution where the discharge is approved as a part of a reclamation project.
8. The Board finds that the Napa River is a nontidal water at Yountville, but the discharge, under the requirements of this order, complies with the qualification in Finding 7 for considering an exception to the prohibition against discharge to nontidal water and the Board allows the discharge.
9. The dischargers prepared an environmental impact report dated January 1974 and an amendment to the report dated May 1976 in accordance with the California Environmental Quality Act (Public Resources Code Section 21000 et seq.).
10. The project, as approved by the dischargers, will have the following significant effect on the environment:

Discharge of waste to Napa River will continue, but the quality of the waste being discharged will be improved.
11. Discharge Prohibitions C.2. and C.3. and Provision D.5. will, also, mitigate the adverse environmental impact of the project and, therefore, compliance with waste discharge requirements will eliminate significant adverse effect on the environment.

12. Effluent limitations, toxic and pretreatment effluent standards established pursuant to Sections 208(b), 301, 304, and 307 of the Federal Water Pollution Control Act are applicable to the discharge.
13. The Board has notified the dischargers and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
14. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.
15. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from date of hearing provided the Regional Administrator, U. S. Environmental Protection Agency, has no objections.

IT IS HEREBY ORDERED, pursuant to the provisions of Division 7 of the California Water Code and regulations adopted thereunder, and to the provisions of the Federal Water Pollution Control Act, as amended, and regulations and guidelines adopted thereunder, that the dischargers shall comply with the following:

A. Effluent Limitations

1. The discharge of an effluent to water of the United States in excess of the following limits is prohibited:

<u>Constituents</u>	<u>Units</u>	<u>30-Day Average</u>	<u>Daily Maximum</u>	<u>Instan- taneous Maximum</u>
a. Settleable Matter*	ml/l/hr	0.1		0.2
b. BOD*	lbs/day	167	334	
	(kg/day)	76	151	
	mg/l	10	20	
c. Suspended Solids*	lbs/day	250	500	
	(kg/day)	113	227	
	mg/l	15	30	
d. Grease & Oil	lbs/day	83	167	
	(kg/day)	38	76	
	mg/l	5	10	
e. Turbidity	JTU	5	10 for at least 95% of the time for a 24-hr period	
f. Chlorine Residual	mg/l			0.0

*See A.2 for interim effluent limitation.

2. Prior to September 15, 1979, the following interim limitations shall apply:

a. Settleable Matter

The arithmetic average of any
6 or more samples collected
on any day 0.5 ml/l/hr.

80% of all individual samples
collected during maximum daily
flow over any 30-day period 0.4 ml/l/hr. maximum

Any sample 1.0 ml/l/hr. maximum

b. The total coliform bacteria for a median of five consecutive effluent samples shall not exceed 240 per 100 milliliters. Any single sample shall not exceed a most probable number (MPN) of 10,000 total coliform bacteria when verified by a repeat sample taken within 48 hours.

c. BOD, 30-day average 40 mg/l, max.
(667 lbs/day)

d. Suspended Solids, 30-
day average 50 mg/l, max.
(834 lbs/day)

3. The arithmetic mean of the values for BOD and Suspended Solids effluent samples collected in a period of 30 consecutive days shall not exceed 15 percent of the arithmetic mean of respective values for influent samples collected at approximately the same times, during the same period. (85 percent removal)

4. The waste as discharged or at some point in the treatment process shall meet the following quality limits at all times:

Total Coliform organisms*: 2.2 MPN/100 ml, median of
bacteriological results for
the last seven consecutive
days, maximum.

*See A.2 for interim effluent limitation.

5. The discharge shall not have a pH of less than 6.5 nor greater than 8.5.

6. In any representative set of samples the waste as discharged shall meet the following limit of quality:

Toxicity:

The survival of test organisms acceptable to the Board in 96 hour bioassays of the effluent shall achieve a median of 90% survival for three consecutive samples and a 90 percentile value of not less than 70% survival for 10 consecutive samples.

7. Representative samples of the effluent shall not exceed the following limits by more than the percentage of time indicated: (a)

<u>Constituent</u>	<u>Unit of Measurement</u>	<u>50% of time</u>	<u>10% of time</u>
Arsenic	mg/l (kg/day)	0.01 (0.076)	0.02 (0.151)
Cadmium	mg/l (kg/day)	0.02 (0.151)	0.03 (0.227)
Total Chromium	mg/l (kg/day)	0.005 (0.038)	0.01 (0.076)
Copper	mg/l (kg/day)	0.2 (1.513)	0.3 (2.270)
Lead	mg/l (kg/day)	0.1 (0.757)	0.2 (1.513)
Mercury	mg/l (kg/day)	0.001 (0.007)	0.002 (0.015)
Nickel	mg/l (kg/day)	0.1 (0.757)	0.2 (1.513)
Silver	mg/l (kg/day)	0.02 (0.151)	0.04 (0.303)
Zinc	mg/l (kg/day)	0.3 (2.270)	0.5 (3.783)
Cyanide	mg/l (kg/day)	0.1 (0.757)	0.2 (1.513)
Phenolic Compounds	mg/l (kg/day)	0.5 (3.783)	1.0 (7.566)
Total Identifiable Chlorinated Hydrocarbons (b)	mg/l (kg/day)	0.002 (0.015)	0.004 (0.030)

(a) These limits are intended to be achieved through secondary treatment, source control and application of pretreatment standards.

(b) Total Identifiable Chlorinated Hydrocarbons shall be measured by summing the individual concentrations of DDT, DDD, DDE, aldrin, BHC, chlordane, endrin, heptachlor, lindane, dieldrin, polychlorinated biphenyls, and other identifiable chlorinated hydrocarbons.

B. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the United States at any place:
- Floating, suspended, or deposited macroscopic particulate matter or foam;
 - Bottom deposits or aquatic growths;
 - Alteration of temperature, turbidity, or apparent color beyond present natural background levels;
 - Visible, floating, suspended or deposited oil or other products of petroleum origin;

- e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
2. The discharge of waste shall not cause the following limits to be exceeded in water of the United States at any place:
- a. Dissolved oxygen 7.0 mg/l, minimum
 - b. Dissolved sulfide 0.1 mg/l maximum
 - c. pH Variation from natural ambient pH by more than 0.5 pH units.
 - d. Nutrients 50 µg chlorophyll a/l, maximum
 - e. Un-ionized ammonia 0.025 mg/l, annual median
as N 0.4 mg/l, maximum
3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

C. Discharge Prohibitions

- 1. There shall be no bypass or overflow of untreated wastewater to waters of the State either at the treatment plant or from the collection system.
- 2. This discharge to the Napa River is prohibited during the period from May 16th through September 30th each year. (Executive Officer may grant requested date extension when yearly rainfall is abnormally high).
- 3. This discharge to the Napa River is, also, prohibited at any time that the volumetric dilution in the river is equal to or less than 10:1 (river flow to wastewater discharge).
- 4. The wastewater discharge to the river shall not exceed 2.0 mgd.

D. Provision

- 1. The dischargers shall have an enforce a source control program approved by the Executive Officer which contains at least the powers and authorities contained in the State Water Resources Control Board's "Guidelines for Determining the Effectiveness of Local Source Control Programs."

2. The dischargers shall comply with the following time schedules to assure compliance with the specifications of this Order:

- a. Compliance with Effluent Limitations A.1.a., A.1.b., A.1.c., A.1.d., A.1.e., A.3, A.4, and A.6; Receiving Water Limitations B.1.a, B.2.a., B.2.c., B.2.d., and B.2.e; and Discharge Prohibitions C.2, and C.3.

<u>Task</u>	<u>Completion Date</u>	<u>Report of Compliance Due</u>
(1) Complete construction of all facilities necessary to achieve compliance	Sept. 1, 1979	Sept. 15, 1979
(2) Full compliance	October 1, 1979	October 15, 1979

- b. Compliance with Effluent Limitations A.7. and Provision D.1.

<u>Task</u>	<u>Completion Date</u>	<u>Report of Compliance Due</u>
Develop an industrial waste ordinance that is acceptable to the Executive Officer	November 1, 1978	November 15, 1978
Implement the industrial waste ordinance and adopt compliance time schedules for all dischargers not in compliance	April 1, 1979	April 15, 1979
Document compliance with effluent limitations	September 1, 1979	September 15, 1979

- c. The dischargers shall comply with all other sections of this Order immediately upon adoption.

3. The dischargers shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions," dated April 1977.
4. The dischargers shall file with the Board technical reports on self-monitoring work performed according to detailed specifications as directed by the Executive Officer.
5. The dischargers shall promote and encourage increased reclamation of wastewater to reduce the amount of discharge to the river.
6. This Order expires September 1, 1983. The dischargers must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9, of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act or amendments thereto, and shall become effective 10 days after date of its adoption provided the Regional Administrator, Environmental Protection Agency, has no objection.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on September 19, 1978.

FRED H. DIERKER
Executive Officer

Attachments:
Standard Provisions, Reporting Requirements,
and Definitions, dated April 1977

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
APRIL 1977

STANDARD PROVISIONS, REPORTING REQUIREMENTS AND DEFINITIONS

A. Standard Provisions:

1. Neither the treatment nor the discharge of wastes shall create a nuisance or pollution as defined in the California Water Code.
2. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.
3. The discharger shall permit the Regional Board and the Environmental Protection Agency:
 - (a) Entry upon premises in which an effluent source is located or in which any required records are kept;
 - (b) Access to copy any records required to be kept under terms and conditions of this Order;
 - (c) Inspection of monitoring equipment or records, and
 - (d) Sampling of any discharge.
4. All dischargers authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.
5. The discharger's wastewater treatment plant shall be supervised and operated by persons possessing certificates of appropriate grade pursuant to Chapter 3, Subchapter 14, Title 23, California Administrative Code.
6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
7. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control Board and which is in full compliance therewith.

b) Should the Regional Board not approve the existing safeguards, the discharger shall, within ninety (90) days of having been advised by the Regional Board that the existing safeguards are inadequate, provide to the Regional Board and the Regional Administrator a schedule of compliance for providing safeguards such that in the event of reduction, loss, or failure of electric power, the permittee shall comply with the terms and conditions of this permit. The schedule of compliance shall, upon approval of the Regional Board Executive Officer, become a condition of this Order.

13. Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this Order is prohibited, except (a) where unavoidable to prevent loss of life or severe property damage, or (b) where excessive storm drainage or runoff would damage any facilities necessary for compliance. Wet weather diversions and bypasses may be subject to waste discharge requirements.

The discharger shall take all reasonable steps to minimize any adverse impact to receiving waters resulting from noncompliance with any effluent limitations or prohibition specified in this Order, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

Details of notification procedures, required written reports and accelerated monitoring are contained in the Self-Monitoring Program.

14. Except for data determined to be confidential under Section 308 of the Federal Water Pollution Control Act, all reports prepared in accordance with terms of this Order shall be available for public inspection at the offices of the Regional Water Quality Control Board, and the Regional Administrator of EPA. As required by the Federal Water Pollution Control Act, effluent data shall not be considered confidential. Knowingly making any false statements on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

15. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this Board.

16. The discharger shall ensure compliance with any existing or future pretreatment standard promulgated by EPA under Sections 307 of the Federal Water Pollution Control Act or amendment thereto, for any discharge to the municipal system.

17. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

5. The discharger shall file a written report with the Board within ninety (90) days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

- a. Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for the day.
- b. The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.
- c. The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b) and 13268, California Water Code).

C. Definitions:

1. The daily discharge rate is obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate (lbs/day)} = \frac{8.34}{N} \sum_{i=1}^N Q_i C_i$$

$$\text{Daily discharge rate (kg/day)} = \frac{3.78}{N} \sum_{i=1}^N Q_i C_i$$

in which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample and Q_i is the average flow rate occurring during the period over which samples are composited.

2. The "30-day, or 7-day, average" discharge is the total discharge by weight during a 30, or 7, consecutive calendar day period, respectively, divided by the number of days in the period that the facility was discharging. Where less than daily sampling is required by this permit, the 30-day, or 7-day, average discharge shall be determined by the summation of all the measured discharges by weight divided by the number of days during the 30, or 7, consecutive calendar day period when the measurements were made.

If fewer than four measurements are made during a 30-day period or fewer than three during a 7-day period, then compliance or non-compliance with the 30, or 7, day average discharge limitation shall not be determined.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

T E N T A T I V E
SELF-MONITORING PROGRAM
FOR

CITY OF YOUNTVILLE AND VETERANS HOME,
DEPARTMENT OF VETERANS AFFAIRS,
STATE OF CALIFORNIA

NPDES NO. CA 0038121

ORDER NO. 78-74

CONSISTS OF

PART A , dated 1/78

AND

PART B revised TENTATIVE

PART B - CITY OF YOUNTVILLE AND VETERANS HOME, DEPARTMENT OF VETERANS
AFFAIRS, STATE OF CALIFORNIA

I. DESCRIPTION OF SAMPLING STATIONS

A. INFLUENT

<u>Station</u>	<u>Description</u>
A-001	At any point in the treatment facilities headworks at which all waste tributary to the system is present and preceding any phase of treatment.

B. EFFLUENT

<u>Station</u>	<u>Description</u>
E-001	At any point in the outfall from the treatment facilities between the point of discharge and the point at which all waste tributary to that outfall is present. (May be the same as E-001-D).
E-001-D	At any point in the disinfection facilities for Waste E-001 at which point adequate contact with the disinfectant is assured.

C. RECEIVING WATERS

<u>Station</u>	<u>Description</u>
C-1	At a point in the Napa River, located approximately 500 feet upstream from the point of discharge.
C-2(D)	At a point in the Napa River, located at the point of discharge.
C-3	At a point in the Napa River, located approximately 100 feet downstream from the point of discharge.
C-4	At a point in the Napa River, located approximately 1000 feet downstream from the point of discharge.

D. LAND OBSERVATIONS

<u>Station</u>	<u>Description</u>
P-1 thru P-'n'	Located at the corners and mid-points of the periphery boundary of the waste treatment and disposal facilities site. (A sketch showing the locations of these stations will accompany the first report).

L-1
through
L-'n'

Located along the perimeter levee of each sludge lagoon at equidistant intervals not to exceed 100 feet. (A sketch showing the locations of these stations will accompany the first report).

E. GROUNDWATER

<u>Station</u>	<u>Description</u>
G-1 thru G-3	These groundwater monitoring wells shall be located above and below gradient of the sludge lagoons as shown on the attached map. The depth of the wells shall be as deep as necessary to reach the average dry weather month's water table. The groundwater wells shall be constructed per County Health Department well standards. A well drilling log shall be submitted for each sampling well established per this monitoring program.

F. OVERFLOWS AND BYPASSES

<u>Station</u>	<u>Description</u>
OV-1 thru OV-'n'	Bypass or overflows from manholes, pump stations or collection system. Note: Initial SMP report to include map and description of each known bypass or overflow location. <u>Reporting</u> - Shall be submitted monthly and include date, time and period of each overflow or bypass.

II. SCHEDULE OF SAMPLING, ANALYSIS AND OBSERVATIONS

- A. This self-monitoring program is applicable when wastewater is discharged to the Napa River.
- B. The schedule of sampling, analysis and observations shall be that given in Table I.
- C. Groundwater sampling, as described in paragraph I.E. and Table I, shall become applicable upon completion of construction of proposed sludge lagoons.

III. MODIFICATION OF PART 'A', DATED 1/78

Exclusions: Paragraphs C-3, C-4 and F-3e.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 78-74.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.


FRED H. DIERKER
Executive Officer

Effective Date 3/15/83

Attachments:

- Table I (2 pages)
- Notes for Table I
- Map

TABLE I
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS (1)

Sampling Station	A	E-001		E-001-D		All C Sta.	All P Sta.	All OV Sta.	All L Sta.	All G Sta.
TYPE OF SAMPLE	C-24	G	C-24 Cont.	G	C-24	G	O	O	O	G
Flow Rate (mgd)	D		D							
BOD, 5-day, 20° C, or COD (mg/l & kg/day)	W		W							
Chlorine Residual & Dosage (mg/l & kg/day)					2H or cont.					
Settleable Matter (ml/1-hr. & cu. ft./day)		D								
Total Suspended Matter (mg/l & kg/day)	W		W							
Oil & Grease (mg/l & kg/day)			(2) 3 M							
Coliform (Total) (MPN/100 ml) per req't					4/W	M				
Fish Toxicity, 96-hr. % Survival in undiluted waste						3 M				
Ammonia Nitrogen (mg/l & kg/day)			3M							
Nitrate Nitrogen (mg/l & kg/day)			3M						3M (3)	
Nitrite Nitrogen (mg/l & kg/day)			3M							
Total Organic Nitrogen (mg/l & kg/day)			3M							
Total Phosphate (mg/l & kg/day)			3M							
Turbidity (Jackson Turbidity Units)			cont.			M				
pH (units)		D				M				
Dissolved Oxygen (mg/l and % Saturation)		M				M				
Temperature (°C)		D				M				
Color (describe and compare with upstream river color)						M				
Sulfides (if DO < 5.0 mg/l) Total & Dissolved (mg/l)		M				M				
Arsenic (mg/l & kg/day)			Y							
Cadmium (mg/l & kg/day)			Y							
Chromium, Total (mg/l & kg/day)			Y							
Copper (mg/l & kg/day)			Y							
Cyanide (mg/l & kg/day)			Y							
Silver (mg/l & kg/day)			Y							
Lead (mg/l & kg/day)			Y							

TABLE I (continued)
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS⁽¹⁾

Sampling Station	A	E-001		E-001-D		All C Sta.	All P Sta.	All OV Sta.	All L Sta.	All G Sta.		
TYPE OF SAMPLE	C-24	G	C-24	Cont.	G	C-24	G	O	O	O	G	
Mercury (mg/l & kg/day)			Y									
Nickel (mg/l & kg/day)			Y									
Zinc (mg/l & kg/day)			Y									
HEMERGOLIC COMPOUNDS (mg/l & kg/day)			Y									
All Applicable Standard Observations		D					M	W	E	W		
Total Identifiable Chlorinated Hydrocarbons (mg/l & kg/day)			Y									
Nutrients (ug/l chlorophyll a)							M					
Un-ionized ammonia as N (mg/l)							M					
River flow rate (cfs)							W					
Volumetric dilution in River (River flow to wastewater discharge rate)		W					W					
TOC (mg/l)											3M ⁽³⁾	

LEGEND FOR TABLE

TYPES OF SAMPLES

G = grab sample
C-24 = composite sample - 24-hour
Cont = continuous sampling
O = observation

TYPES OF STATIONS

A = treatment facility influent stations
E = waste effluent stations
C = receiving water stations
P = treatment facilities perimeter stations
L = basin and/or pond levee stations
OV = overflows and bypasses
G = groundwater stations

FREQUENCY OF SAMPLING

E = each occurrence
D = once each day
W = once each week
M = once each month
Y = once each year

4/W = 4 days per week

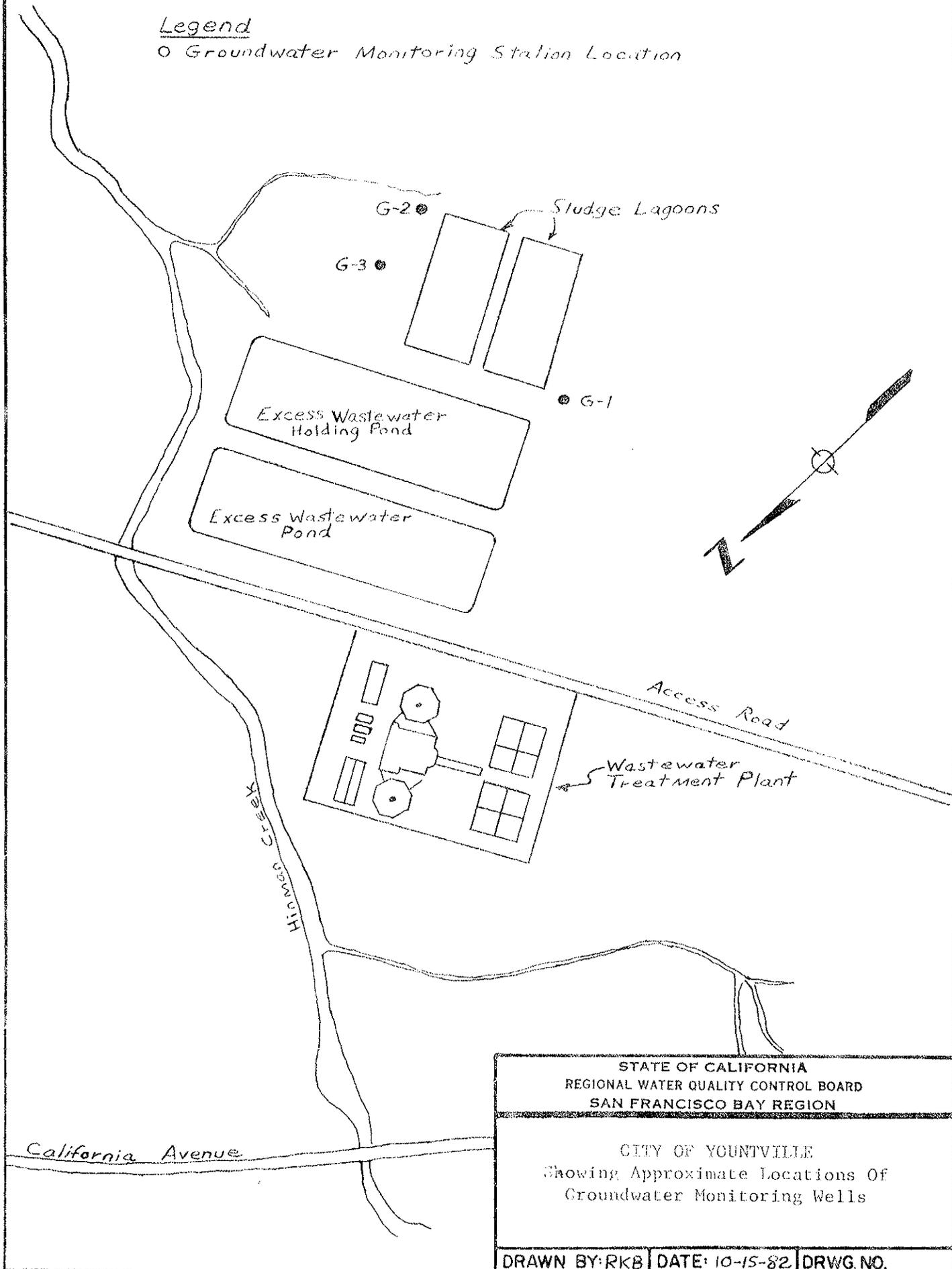
2H = every 2 hours
3M = every 3 months
Cont = continuous

NOTES FOR TABLE I

- (1) During any day when bypassing occurs from any treatment phase(s) (Primary, Secondary, Chlorination, and Dechlorination) in the plant, the monitoring program for the effluent shall include the following in addition to the above schedule for sampling, measurement and analyses:
 1. When bypassing occurs from any primary or secondary treatment unit(s), composite sample for BOD, total suspended solids, oil and grease (influent and effluent), grab sample for settleable matter, and continuous monitoring of flow.
 2. When bypassing chlorination treatment, grab sample for Coliform (Total and Fecal), and continuous monitoring of flow.
 3. When bypassing dechlorination treatment, grab sample for chlorine residual (continuous or every two hours), and continuous monitoring of flow.
- (2) Oil and grease sampling shall consist of 3 grab samples taken at equal intervals during the sampling day, with each grab being collected in a glass container and analyzed separately. Results shall be expressed as a weighted average of the 3 values, based upon the instantaneous flow rates at the time each grab sample was analyzed.
- (3) Prior to taking the groundwater samples, each well shall be pumped a minimum of five minutes. In addition, depth of each well (feet), depth to water (feet), and depth of sample (feet) shall be reported.

Legend

○ Groundwater Monitoring Station Location



STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

CITY OF YOUNTVILLE
Showing Approximate Locations Of
Groundwater Monitoring Wells

DRAWN BY: RKB | DATE: 10-15-82 | DRWG. NO.