

24044529

SCR TD METRO RAIL

NPDES PERMIT

APPLICATIONS FOR METRO RAIL MOS-1
WASTEWATER DISCHARGES

CERTIFICATION SUPPLEMENT
FOR
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PERMIT APPLICATION

Please Print or Type

Legal Name of Applicant Southern California Rapid Transit District

Facility Metro Rail Project, Minimum Operating Segment-1 (MOS-1)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

J. E. Crawley

Printed Name of Person Signing

J. E. Crawley
Signature

11/15/85
Date Supplement Signed

Director of Engineering

Transit Facilities

Official Title

11/15/85
Date Application Signed

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate "N/A."

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>	
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>	
City	102b	<u>Los Angeles</u>	
State	102c	<u>CA</u>	
Zip Code	102d	<u>90013</u>	
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>	
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>	
City	103c	<u>Los Angeles</u>	
State	103d	<u>CA</u>	
Zip Code	103e	<u>90014</u>	
Telephone	103f	<u>213</u>	<u>489-6941</u>
		Area Code	Number
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY	

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

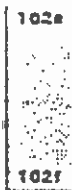
Printed Name of Person Signing

Director of Engineering
Transit Facilities

Title



Signature of Applicant or Authorized Agent



11/14/85

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

OFFICE: _____ EPA Region Number

Received _____
YR MO DAY

_____ State

FOR AGENCY USE									

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name

105a

East Portal & Crossover A130

Ownership (Public, Private or Both Public and Private)

105b

PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

105c

FED

Location

105d

Street & Number

105e

Jackson/Center to Vignes/Ramirez

City

105f

Los Angeles

County

105g

California

State

105h

Construction and Operation of

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

Rapid Transit System

106b

AGENCY USE

7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

10.0 thousand gallons per day

Surface water

107b

72.6 thousand gallons per day

Groundwater

107c

52030 thousand gallons per day

Other

107d

0 thousand gallons per day

Total Item 7

107e

52113 thousand gallons per day

*If there is intake water from "other," specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0 thousand gallons per day

Boiler feed water

108b

0 thousand gallons per day

Process water (including contact cooling water)

108c

0 thousand gallons per day

Sanitary water

108d

1.0 thousand gallons per day

Other

108e

9.0 thousand gallons per day

Total Item 8

108f

10.0 thousand gallons per day

*If there are discharges to "other," specify.

108g

Equipment water supply and washdown

If there is "Sanitary" water use, give the number of people served.

108h

100 people served

FOR AGENCY USE									

9. All Facility Discharges and other Losses; Number and Discharge (see Instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

		Number of Discharge Points		Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	109a1	0	109a2	0
Sanitary wastewater transport system	109b1	1	109b2	1.0
Storm water transport system	109c1	2	109c2	80.6
Combined sanitary and storm water transport system	109d1	0	109d2	0
Surface impoundment with no effluent	109e1	0	109e2	0
Underground percolation	109f1	0	109f2	0
Well Injection	109g1	0	109g2	0
Waste acceptance firm	109h1	1	109h2	1.0
Evaporation	109i1	0	109i2	0
Consumption	109j1	0	109j2	0
Other*	109k1	3	109k2	52030
Facility discharges and volume Total Item 9.	109m1	7	109m2	52113

*If there are discharges to "other," specify.

Dewatering discharges to stormdrains

10. Permits, Licenses and Applications

List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles							
County of Los Angeles							
2.							
3.							

11. Maps and Drawings

Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information

DISCHARGE SERIAL NUMBER

001

FOR AGENCY USE					

Municipal Storm Water Transport System

Well (Injection)

Other

If 'other' is checked, specify

STS

WEL

OTH

6. Discharge Point — Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

Longitude

205b Land Disposal and Evaporation (Optional)

206a 34 DEG 2 MIN 30 SEC

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shore-line or is below the mean low water line, complete Item 8.

For Agency Use			For Agency Use		
Major	Minor	Sub	303e		

207b

207c

8. Offshore Discharge

a. Discharge Distance from Shore

b. Discharge Depth Below Water Surface

208a N/A feet

208b N/A feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

b. Discharge Occurrence Days Per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

c. Discharge Occurrence —Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209a (con) Continuous
 (int) Intermittent

209b 7 days per week

209c JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete Items 10 and 11 if "Intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210 N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211a N/A hours per day

211b _____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum flow of this discharge occurs.

212 From _____ to _____
month month

FOR AGENCY USE				

13. Activity Description Give a narrative description of activity producing this discharge. (see instructions)

213a

Piped discharges to stormdrains between Jackson/Center and Vignes/Ramirez Streets west of the Los Angeles River.

Activities include dewatering of groundwater, collection/treatment of excavation seepage, stormwater inflow, washdown, and equipment drainage

14. Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production. (see instructions)

Note applicable construction activities associated with excavation and cleanup.

a. Raw Materials Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
214a				

b. Products Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
214b				

DISCHARGE SERIAL NUMBER

001

FOR AGENCY USE									

15. Waste Abatement

a. Waste Abatement Practices
Describe the waste abatement practices used on this discharge with a brief narrative. (see instructions)

215a

Narrative: Separation of wastewater flows, treatment of wastewater flows, and monitoring of quantities and qualities of flows

b. Waste Abatement Codes
Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

215b

- | | | |
|--------------------|--------------------|--------------------|
| (1) <u>ESEPAR</u> | (2) <u>ESEGRE</u> | (3) <u>EMERGF</u> |
| (4) <u>DHYSIC</u> | (5) <u>DSTOPD</u> | (6) <u>LOCALS</u> |
| (7) <u>OMONIT</u> | (8) <u>PSEDIM</u> | (9) <u>PFLOAT</u> |
| (10) <u>PSEPAR</u> | (11) <u>SLANDD</u> | (12) <u>MUNDIS</u> |
| (13) _____ | (14) _____ | (15) _____ |
| (16) _____ | (17) _____ | (18) _____ |
| (19) _____ | (20) _____ | (21) _____ |
| (22) _____ | (23) _____ | (24) _____ |
| (25) _____ | | |

001

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	X
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	X
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	X	Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

001

FOR AGENCY USE

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent		Effluent					
	Unretreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	52.0 MGD	10,000	52.0 MGD	1000gpd	52.0 MGD	Monthly		
pH Units 00400	7.0		X	6.0	8.0	monthly		
Temperature (winter) °F 74028	ND		$\pm 2^{\circ}\text{C}$	$\pm 2^{\circ}\text{C}$	$\pm 2^{\circ}\text{C}$			
Temperature (summer) °F 74027	ND		$\pm 2^{\circ}\text{C}$	$\pm 2^{\circ}\text{C}$	$\pm 2^{\circ}\text{C}$			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	700- 30000		X	700	30000			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers).(see instructions)

FOR AGENCY USE									

17. (Cont'd.)

Parameter and Code 217a	Influent		Effluent					Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)					
Oil/Grease 00550	0	-	10	0	10	Monthly				

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternata power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218

APS

ALM

N/A

219a

219b

219c

DISCHARGE SERIAL NUMBER

001

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

N/A

d. Chemical composition of these additives (see instructions).

219d

Complete Items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBD
- BCCL
- APOF
- EPBO
- OCFF
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

°F.

Winter

221b

°F.

22. Discharge Temperature, Rate of Change Per Hour

222

°F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

223

N/A

Frequency of occurrence

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

	10%	5%	1%	Maximum
a. Intake Water Temperature (Subject to natural changes)	°F	°F	°F	°F
b. Discharge Water Temperature	°F	°F	°F	°F

24. Water Intake Velocity (see instructions)

224

feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

minutes

N/A

DISCHARGE SERIAL NUMBER

001

FOR AGENCY USE									

26. Additional Information

226

Item

Information

See Attachment A

FOR AGENCY USE				

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300
301a 0 0 1

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

NA

- Locally developed plan
- Areawide Plan
- Basic Plan
- State approved implementation schedule
- Federal approved water quality standards implementation Plan.
- Federal enforcement procedure or action
- State court order
- Federal court order

- LOC
- ARE
- BAS
- SQS
- WQS
- ENF
- CRT
- FEO

c. Facility Requirement, Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

301b

301c 3-character (general)

301d 6-character (specific) (see Table II)

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

- a. Preliminary plan complete
- b. Final plan submission
- c. Final plan complete
- d. Financing complete & contract awarded
- e. Site acquired
- f. Begin action (e.g., construction)
- g. End action (e.g., construction)
- h. Discharge Began
- i. Operational level attained

2. Schedule (Yr./Mo./Day)

302a	___/___/___
302b	___/___/___
302c	___/___/___
302d	___/___/___
302e	___/___/___
302f	___/___/___
302g	___/___/___
302h	___/___/___
302i	___/___/___

3. Actual Completion (Yr./Mo./Day)

303a	___/___/___
303b	___/___/___
303c	___/___/___
303d	___/___/___
303e	___/___/___
303f	___/___/___
303g	___/___/___
303h	___/___/___
303i	___/___/___

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate "NA."

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>	
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>	
City	102b	<u>Los Angeles</u>	
State	102c	<u>CA</u>	
Zip Code	102d	<u>90013</u>	
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u>	
Number & Street Address	103b	<u>Parsons, Dillingham Construction & De Leuw Cather</u> <u>600 South Spring Street, Suite 1200</u>	
City	103c	<u>Los Angeles</u>	
State	103d	<u>CA</u>	
Zip Code	103e	<u>90014</u>	
Telephone	103f	<u>213</u>	<u>489-6941</u>
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	Area Code	Number
		<u>N/A</u>	
		<u>YR MO DAY</u>	

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

Director of Engineering
Transit Facilities

Title



Signature of Applicant or Authorized Agent

102g
102f

11/14/85

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

Received _____
YR MO DAY

OFFICE: _____ EPA Region Number
State

FOR AGENCY USE

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name 103a

Union Station and Crossover A-135 - A-136

Southern California Rapid Transit District

Los Angeles

Ownership (Public, Private or Both Public and Private)

103b PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

103c FED

103d

Location

Street & Number

103e Vignes/Ramirez to Alameda/Marcy

City

103f Los Angeles

County

103g California

State

103h Construction and Operation of

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a Rapid Transit System

106b

AGENCY USE

7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or Private water system

107a 10.0 thousand gallons per day

Surface water

107b 20.2 thousand gallons per day

Groundwater

107c 43208 thousand gallons per day

Other

107d 0 thousand gallons per day

Total Item 7

107e 43208 thousand gallons per day

If there is intake water from 'other,' specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a 0 thousand gallons per day

Boiler feed water

108b 0 thousand gallons per day

Process water (including contact cooling water)

108c 0 thousand gallons per day

Sanitary water

108d 1.0 thousand gallons per day

Other

108e 9.0 thousand gallons per day

Total Item 8

108f 10.0 thousand gallons per day

If there are discharges to 'other,' specify.

108g Equipment water supply and washdown

If there is 'Sanitary' water use, give the number of people served.

108h 100 people served

FOR AGENCY USE									

9. All Facility Discharges and other Losses; Number and Discharge (see Instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	1	1.0
Storm water transport system	2	28.2
Combined sanitary and storm water transport system	0	0
Surface impoundment with no effluent	0	0
Underground percolation	0	0
Well injection	0	0
Waste acceptance firm	1	1.0
Evaporation	0	0
Consumption	0	0
Other*	3	43208
Facility discharges and volume Total Item 9.	7	43238

*If there are discharges to 'other,' specify.

Dewatering discharges to stormdrains

10. Permits, Licenses and Applications

List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles				-	-	-	-
County of Los Angeles				-	-	-	-
2.							
3.							

11. Maps and Drawings

Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE					

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name				
a. Discharge Serial No. (see instructions)	201a	<u>002</u>		
b. Discharge Name Give name of discharge. If any. (see instructions)	201b	<u>Union Station & Crossover - A-135 - A-136</u> <u>Construction</u>		
c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previ- ous discharge serial number.	201c	<u> </u>		
2. Discharge Operating Dates				
a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	202a	<u> </u> <u> </u> YR MO		
b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best esti- mate) the discharge will begin.	202b	<u>86</u> <u>1</u> YR MO		
c. Discharge to End Date If dis- charge is scheduled to be discon- tinued within the next 5 years, give the date (within best esti- mate) the discharge will end.	202c	<u>92</u> <u>7</u> YR MO		
3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)	203	<input type="checkbox"/>		
4. Discharge Location Name the political boundaries within which the point of discharge is located.				Agency Use
State	204a	<u>California</u>	204d	_____
County	204b	<u>Los Angeles</u>	204e	_____
(If applicable) City or Town	204c	<u>Los Angeles</u>	204f	_____
5. Discharge Point Description Discharge is into (check one); (see instructions)				
Stream (includes ditches, arroyos, and other intermittent watercourses)	205a	<input type="checkbox"/> STR		
Lake		<input type="checkbox"/> LKE		
Ocean		<input type="checkbox"/> OCE		
Municipal Sanitary Wastewater Transport System		<input checked="" type="checkbox"/> MTS		
Municipal Combined Sanitary and Storm Transport System		<input type="checkbox"/> MCS		

DISCHARGE SERIAL NUMBER

002

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

STS

WEL

OTH

If 'Other' is checked, specify

6. Discharge Point — Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

Longitude

205b

206a

206b

34 DEG 2 MIN 30 SEC

118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207e

Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

b. Discharge Depth Below Water Surface

207b

For Agency Use		
Major	Minor	Sub

207c

For Agency Use
303e

208a

N/A feet

208b

N/A feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

c. Discharge Occurrence — Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209a

(con) Continuous

(int) Intermittent

209b

7 days per week

209c

JAN FEB MAR APR

MAY JUN JUL AUG

SEP OCT NOV DEC

Complete Items 10 and 11 if "Intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210

N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211a

N/A hours per day

211b

_____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum flow of this discharge occurs.

212

From _____ to _____
month month

FOR AGENCY USE									

13. Activity Description Give a narrative description of activity producing this discharge.(see instructions)

213a

Piped discharges to stormdrains
between Along Vignes, Ramirez, Macy, and Alameda
Streets, west of Los Angeles River.

Activities include dewatering
of groundwater, collection/treatment
of excavation seepage, stormwater
inflow, washdown, and equipment drainage

14. Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production.(see instructions)

Note applicable construction activities associated with excavation and cleanup.

a. Raw Materials Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214a	(1)	(2)	(3)	(4)	(5)

b. Products Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214b	(1)	(2)	(3)	(4)	(5)

DISCHARGE SERIAL NUMBER

002

FOR AGENCY USE									

15. Waste Abatement

a. Waste Abatement Practices
Describe the waste abatement practices used on this discharge with a brief narrative. (see instructions)

215a

Narrative: Separation of wastewater flows,
treatment of wastewater flows, and
monitoring of quantities and qualities
of flows

b. Waste Abatement Codes
Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

215b

- | | | |
|--------------------|--------------------|--------------------|
| (1) <u>ESEPAR</u> | (2) <u>ESEGRE</u> | (3) <u>EMERGE</u> |
| (4) <u>DHYSIC</u> | (5) <u>DSTOPD</u> | (6) <u>LOCALS</u> |
| (7) <u>OMONIT</u> | (8) <u>PSEDIM</u> | (9) <u>PFLOAT</u> |
| (10) <u>PSEPAR</u> | (11) <u>SLANDD</u> | (12) <u>MUNDIS</u> |
| (13) _____ | (14) _____ | (15) _____ |
| (16) _____ | (17) _____ | (18) _____ |
| (19) _____ | (20) _____ | (21) _____ |
| (22) _____ | (23) _____ | (24) _____ |
| (25) _____ | | |

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (See instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	X
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	X
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	X	Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

002

FOR AGENCY USE

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	43.3MGD	10,000	43.3MGD	1000	43.3MGD	Monthly		
pH Units 00400	7.0		X	6.0	8.0	monthly		
Temperature (winter) ° F 74028	ND		+ 2°C	+ 2°C	+ 2°C			
Temperature (summer) ° F 74027	ND		+ 2°C	+ 2°C	+ 2°C			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD)* mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	700-30000		X	700	30000			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers). (see instructions)

FOR AGENCY USE									

17. (Cont'd.)

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Monthly		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218

APS

ALM

N/A

219a

219b

219c

002

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

N/A

d. Chemical composition of these additives (see instructions).

219d

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment -- Evaporator Blowdown
- Oil or Coal Fired Plants -- Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBO
- BCCL
- APOF
- EPBO
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a _____ °F.

Winter

221b _____ °F.

22. Discharge Temperature, Rate of Change Per Hour

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence)

223

N/A

In the table below, enter the temperature which is exceeded 10% of the Year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

	10%	5%	1%	Maximum
a. Intake Water Temperature (Subject to natural changes)	_____ °F	_____ °F	_____ °F	_____ °F
b. Discharge Water Temperature	_____ °F	_____ °F	_____ °F	_____ °F

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

24. Water Intake Velocity (see instructions)

224

_____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300			
301a	0	0	2

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

NA

- Locally developed plan
- Areawide plan
- Basic plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan
- Federal enforcement procedure or action
- State court order
- Federal court order

301b	<input type="checkbox"/> LOC
	<input type="checkbox"/> ARE
	<input type="checkbox"/> BAS
	<input type="checkbox"/> SQS
	<input type="checkbox"/> WQS
	<input type="checkbox"/> ENF
	<input type="checkbox"/> CRT
	<input type="checkbox"/> FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

	3-character (general)
301c	
	6-character (specific) (see Table II)
301d	

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

- a. Preliminary plan complete
- b. Final plan submission
- c. Final plan complete
- d. Financing complete & contract awarded
- e. Site accured
- f. Begin action (e.g., construction)
- g. End action (e.g., construction)
- h. Discharge Began
- i. Operational level attained

2. Schedule (Yr./Mo./Day)

302a	____/____/____
302b	____/____/____
302c	____/____/____
302d	____/____/____
302e	____/____/____
302f	____/____/____
302g	____/____/____
302h	____/____/____
302i	____/____/____

3. Actual Completion (Yr./Mo./Day)

303a	____/____/____
303b	____/____/____
303c	____/____/____
303d	____/____/____
303e	____/____/____
303f	____/____/____
303g	____/____/____
303h	____/____/____
303i	____/____/____

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'NA.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>
City	102b	<u>Los Angeles</u>
State	102c	<u>CA</u>
Zip Code	102d	<u>90013</u>
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>
City	103c	<u>Los Angeles</u>
State	103d	<u>CA</u>
Zip Code	103e	<u>90014</u>
Telephone	103f	<u>213</u> <u>489-6941</u> Area Code Number
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

J.E. Crawley
 Signature of Applicant or Authorized Agent

Director of Engineering
 Transit Facilities

Title

11/14/85
 Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

OFFICE: _____ EPA Region Number

Received _____
 YR MO DAY

_____ State

FOR AGENCY USE									

3. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name

105a

Union Station - 5th/Hill Tunnel - A141

Ownership (Public, Private or Both Public and Private)

105b

Southern California Rapid Transit District

Los Angeles

Check block if Federal Facility and give GSA Inventory Control Number

105c

FED

105d

Location

Street & Number

105e

Macy/Alameda & Hill St. from Temple - 5th

City

105f

Los Angeles

County

105g

California

State

105h

Construction and Operation of

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

Rapid Transit System

106b

AGENCY USE

7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

10.0

thousand gallons per day

Surface water

107b

16.0

thousand gallons per day

Groundwater

107c

4708.0

thousand gallons per day

Other*

107d

0

thousand gallons per day

Total Item 7

107e

4734.0

thousand gallons per day

*If there is intake water from 'other,' specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0

thousand gallons per day

Boiler feed water

108b

0

thousand gallons per day

Process water (including contact cooling water)

108c

0

thousand gallons per day

Sanitary water

108d

1.0

thousand gallons per day

Other*

108e

9.0

thousand gallons per day

Total Item 8

108f

10.0

thousand gallons per day

*If there are discharges to 'other,' specify.

108g

Equipment water supply and washdown

If there is "Sanitary" water use, give the number of people served.

108h

100

people served

FOR AGENCY USE									

9. All Facility Discharges and other Losses; Number and Discharge (see Instructions) Volume Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

		Number of Discharge Points		Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	103a1	0	103a2	0
Sanitary wastewater transport system	103b1	3	103b2	1.0
Storm water transport system	103c1		103c2	24.0
Combined sanitary and storm water transport system	103d1	0	103d2	0
Surface impoundment with no effluent	103e1	0	103e2	0
Underground percolation	103f1	0	103f2	0
Well Injection	103g1	0	103g2	0
Waste acceptance firm	103h1	1	103h2	1.0
Evaporation	103i1	0	103i2	0
Consumption	103j1	0	103j2	0
Other*	103k1	3	103k2	4708
Facility discharges and volume Total Item 9.	103l1	12	103l2	4734

24

*If there are discharges to 'other,' specify.

Dewatering discharges to stormdrains

10. Permits, Licenses and Applications

List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles							
County of Los Angeles							
2.							
3.							

11. Maps and Drawings

Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE									

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

<p>1. Discharge Serial No. and Name</p> <p>a. Discharge Serial No. (see instructions)</p> <p>b. Discharge Name Give name of discharge, if any. (see instructions)</p> <p>c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.</p>	<p>201a <u>003</u></p> <p>201b <u>Union Station - 5th/Hill Tunnel - A141 Construction</u></p> <p>201c _____</p>	
<p>2. Discharge Operating Dates</p> <p>a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.</p> <p>b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.</p> <p>c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.</p>	<p>202a _____ YR MO</p> <p>202b <u>86 1</u> YR MO</p> <p>202c <u>92 7</u> YR MO</p>	
<p>3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)</p>	<p>203 <input type="checkbox"/></p>	
<p>4. Discharge Location Name the political boundaries within which the point of discharge is located.</p> <p>State</p> <p>County</p> <p>(if applicable) City or Town</p>	<p>204a <u>California</u></p> <p>204b <u>Los Angeles</u></p> <p>204c <u>Los Angeles</u></p>	<p style="text-align: right;">Agency Use</p> <p>204d _____</p> <p>204e _____</p> <p>204f _____</p>
<p>5. Discharge Point Description Discharge is into (check one); (see instructions)</p> <p>Stream (includes ditches, arroyos, and other intermittent watercourses)</p> <p>Lake</p> <p>Ocean</p> <p>Municipal Sanitary Wastewater Transport System</p> <p>Municipal Combined Sanitary and Storm Transport System</p>	<p>205a <input type="checkbox"/> STR</p> <p><input type="checkbox"/> LKE</p> <p><input type="checkbox"/> OCE</p> <p><input checked="" type="checkbox"/> MTS</p> <p><input type="checkbox"/> MCS</p>	

DISCHARGE SERIAL NUMBER

003

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

Municipal Storm Water Transport System

Well (Injection)

Other

STS

WEL

OTH

If 'Other' is checked, specify

6. Discharge Point — Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

206a 34 DEG 2 MIN 30 SEC

Longitude

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207e Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

208a N/A feet

b. Discharge Depth Below Water Surface

208b N/A feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

209a (con) Continuous
 (int) Intermittent

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

209b 7 days per week

c. Discharge Occurrence —Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209c JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete Items 10 and 11 if "Intermittent" is checked in Item 9. Otherwise, proceed to Item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210 N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

211a N/A hours per day

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211b _____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum flow of this discharge occurs.

212 From _____ to _____

FOR AGENCY USE									

13. Activity Description Give a narrative description of activity producing this discharge.(see instructions)

213a | Piped discharges to stormdrains
between from Macy/Alameda to 5th/Hill Streets.
west of the Los Angeles River.

Activities include dewatering
of groundwater, collection/treatment
of excavation seepage, stormwater
inflow, washdown, and equipment drainage

14. Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production.(see instructions)

Note applicable construction activities associated with excavation and cleanup.

a. Raw Materials Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214a	(1)	(2)	(3)	(4)	(5)

b. Products Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214b	(1)	(2)	(3)	(4)	(5)

DISCHARGE SERIAL NUMBER

003

FOR AGENCY USE				

15. Waste Abatement

a. Waste Abatement Practices
Describe the waste abatement practices used on this discharge with a brief narrative. (see instructions)

215a

Narrative: Separation of wastewater flows,
treatment of wastewater flows, and
monitoring of quantities and qualities
of flows

b. Waste Abatement Codes
Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

215b

- | | | |
|--------------------|--------------------|--------------------|
| (1) <u>ESEPAR</u> | (2) <u>ESEGRE</u> | (3) <u>EMERGE</u> |
| (4) <u>DHYSIC</u> | (5) <u>DSTOPD</u> | (6) <u>LOCALS</u> |
| (7) <u>OMONIT</u> | (8) <u>PSEDIM</u> | (9) <u>PFLOAT</u> |
| (10) <u>PSEPAR</u> | (11) <u>SLANDD</u> | (12) <u>MUNDIS</u> |
| (13) _____ | (14) _____ | (15) _____ |
| (16) _____ | (17) _____ | (18) _____ |
| (19) _____ | (20) _____ | (21) _____ |
| (22) _____ | (23) _____ | (24) _____ |
| (25) _____ | | |

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	X
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	X
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	X	Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

003

FOR AGENCY USE

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	4.7 MGD	10000	4.7 MGD	1000	4.7 MGD	Monthly		
pH Units 00400	7.0		X	6.0	8.0	monthly		
Temperature (winter) ° F 74028	ND		+ 2° C	+ 2° C	+ 2° C			
Temperature (summer) ° F 74027	ND		+ 2° C	+ 2° C	+ 2° C			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	700- 30000		X	700	30000			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers). (see instructions)

FOR AGENCY USE

--	--	--	--	--	--	--	--

17. (Cont'd.)

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Monthly		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218

APS

ALM

N/A

219a

219b

219c

--	--	--	--	--	--	--	--	--	--

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBD
- BCCL
- APOF
- EPBO
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

N/A

Frequency of occurrence

- a. Intake Water Temperature (Subject to natural changes)
- b. Discharge Water Temperature

223a

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

223b

24. Water Intake Velocity (see instructions)

224

_____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300			
301a	0	0	3

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

NA

- Locally developed plan
- Areawide Plan
- Basic Plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan.
- Federal enforcement procedure or action
- State court order
- Federal court order

- LOC
- ARE
- BAS
- SQS
- WQS
- ENF
- CRT
- FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

301b	
301c	3-character (general)
301d	6-character (specific) (see Table II)

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MCO |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE											

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps	2. Schedule (Yr./Mo./Day)	3. Actual Completion (Yr./Mo./Day)
a. Preliminary plan complete	302a	303a
b. Final plan submission	302b	303b
c. Final plan complete	302c	303c
d. Financing complete & contract awarded	302d	303d
e. Site acquired	302e	303e
f. Begin action (e.g., construction)	302f	303f
g. End action (e.g., construction)	302g	303g
h. Discharge Began	302h	303h
i. Operational level attained	302i	303i

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

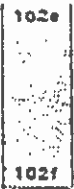
Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'N/A.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>
City	102b	<u>Los Angeles</u>
State	102c	<u>CA</u>
Zip Code	102d	<u>90013</u>
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Lew Cather</u>
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>
City	103c	<u>Los Angeles</u>
State	103d	<u>CA</u>
Zip Code	103e	<u>90014</u>
Telephone	103f	<u>213</u> <u>489-6941</u> Area Code Number
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

<p><u>J.E. Crawley</u> Printed Name of Person Signing</p> <hr/> <p><i>J.E. Crawley</i> Signature of Applicant or Authorized Agent</p>	<p>102e</p>  <p>102f</p>	<p><u>Director of Engineering</u> <u>Transit Facilities</u> Title</p> <hr/> <p><u>11/12/85</u> Date Application Signed</p>
---	---	--

18 U.S.C. Section 1001 provides that:
Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE									

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name

105a

Civic Center Construction A-142-147

Ownership (Public, Private or Both Public and Private)

105b

PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

105c

FED

105d

Location

Street & Number

105e

Hill Street/Temple - 1st St.

City

105f

Los Angeles

County

105g

California

State

105h

Construction and Operation of

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

Rapid Transit System

106b

AGENCY USE

--

7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

10.0 thousand gallons per day

Surface water

107b

24.0 thousand gallons per day

Groundwater

107c

0.6 thousand gallons per day

Other*

107d

0 thousand gallons per day

Total Item 7

107e

34.6 thousand gallons per day

*If there is intake water from "other," specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0 thousand gallons per day

Boiler feed water

108b

0 thousand gallons per day

Process water (including contact cooling water)

108c

0 thousand gallons per day

Sanitary water

108d

1.0 thousand gallons per day

Other*

108e

9.0 thousand gallons per day

Total Item 8

108f

10.0 thousand gallons per day

*If there are discharges to "other," specify.

108g

Equipment water supply and washdown

If there is "Sanitary" water use, give the number of people served.

108h

100 people served

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE									

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name

a. Discharge Serial No. (see instructions)

201a 004

b. Discharge Name Give name of discharge, if any. (see instructions)

201b Civic Center Station A-142-147
Construction

c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.

201c _____

2. Discharge Operating Dates

a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.

202a _____
YR MO

b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.

202b 86 1
YR MO

c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.

202c 92 7
YR MO

3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)

203

4. Discharge Location Name the political boundaries within which the point of discharge is located.

State

204a California

County

204b Los Angeles

(if applicable) City or Town

204c Los Angeles

Agency Use

204d _____

204e _____

204f _____

5. Discharge Point Description Discharge is into (check one); (see instructions)

Stream (includes ditches, arroyos, and other intermittent watercourses)

205a STR

Lake

LKE

Ocean

OCE

Municipal Sanitary Wastewater Transport System

MTS

Municipal Combined Sanitary and Storm Transport System

MCS

DISCHARGE SERIAL NUMBER

004

FOR AGENCY USE									

Municipal Storm water Transport System

Well (Injection)

Other

If 'other' is checked, specify

- STS
 WEL
 OTH

6. Discharge Point - Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

Longitude

205b

206a 34 DEG 2 MIN 30 SEC

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a

Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

b. Discharge Depth Below Water Surface

207b

For Agency Use		
Major	Minor	Sub

207c

For Agency Use	
303e	

208a

N/A feet

208b

N/A feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

c. Discharge Occurrence - Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209a

- (con) Continuous
 (int) Intermittent

209b

7 days per week

209c

- JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete Items 10 and 11 if "intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210

N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211a

N/A hours per day

211b

_____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum flow of this discharge occurs.

212

From _____ to _____

FOR AGENCY USE									

13. Activity Description Give a narrative description of activity producing this discharge.(see instructions)

213a

Piped discharges to stormdrains
between along Hill Street from Temple to First Street.
west of the Los Angeles River.

Activities include dewatering
of groundwater, collection/treatment
of excavation seepage, stormwater
inflow, washdown, and equipment drainage

14. Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production.(see instructions)

Note applicable
construction activities associated with
excavation and cleanup.

a. Raw Materials Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214a	(1)	(2)	(3)	(4)	(5)

b. Products Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214b	(1)	(2)	(3)	(4)	(5)

DISCHARGE SERIAL NUMBER

004

FOR AGENCY USE									

15. Waste Abatement

a. Waste Abatement Practices
Describe the waste abatement practices used on this discharge with a brief narrative. (see instructions)

215a Narrative: Separation of wastewater flows,
treatment of wastewater flows, and
monitoring of quantities and qualities
of flows

b. Waste Abatement Codes
Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

- 215b
- | | | |
|--------------------|--------------------|--------------------|
| (1) <u>ESEPAR</u> | (2) <u>ESEGRE</u> | (3) <u>EMERGE</u> |
| (4) <u>DHYSIC</u> | (5) <u>DSTOPD</u> | (6) <u>LOCALS</u> |
| (7) <u>OMONIT</u> | (8) <u>PSEDIM</u> | (9) <u>PFLOAT</u> |
| (10) <u>PSEPAR</u> | (11) <u>SLANDD</u> | (12) <u>MUNDIS</u> |
| (13) _____ | (14) _____ | (15) _____ |
| (16) _____ | (17) _____ | (18) _____ |
| (19) _____ | (20) _____ | (21) _____ |
| (22) _____ | (23) _____ | (24) _____ |
| (25) _____ | | |

DISCHARGE SERIAL NUMBER

004

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	X
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	X
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	X	Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

S.C.R.T.D. LIBRARY

DISCHARGE SERIAL NUMBER

004

FOR AGENCY USE					

17. Description of Intake and Discharge

For each of the Parameters listed below, enter in the appropriate box the value or code letter answer called for. (See instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average)	In-Plant Treated Intake Water (Daily Average)	Daily Average	Minimum Value Observed or Expected During Discharge Activity	Maximum Value Observed or Expected During Discharge Activity	Frequency of Analysis	Number of Analyses	Sample Type
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Flow* Gallons per day 00056	24,600	10000	34,600	0	34,600	Monthly		
pH Units 00400	7.0		X	6.0	8.0	monthly		
Temperature (winter) °F 74028	ND		± 2°C	+ 2°C	+ 2°C			
Temperature (summer) °F 74027	ND		± 2°C	+ 2°C	+ 2°C			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD)* mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	700- 30000		X	700	30000			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers). (see instructions)

DISCHARGE SERIAL NUMBER

004

FOR AGENCY USE

--	--	--	--	--	--	--	--

17. (Cont'd.)

Parameter and Code 227a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Monthly		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218

APS

ALM

N/A

219a

219b

219c

004

FOR AGENCY USE									

N/A

d. Chemical composition of these additives (see instructions).

219d

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)
- Boiler Blowdown
 - Boiler Chemical Cleaning
 - Ash Pond Overflow
 - Boiler Water Treatment — Evaporator Blowdown
 - Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
 - Condense Cooling Water
 - Cooling Tower Blowdown
 - Manufacturing Process
 - Other

220

N/A

- BLBD
- BCCL
- APOF
- EPBD
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

°F

Winter

221b

°F

N/A

22. Discharge Temperature, Rate of Change Per Hour

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

222

°F./hour N/A

23. Water Temperature, Percentile Report (Frequency of Occurrence)

In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

223

N/A

a. Intake Water Temperature (Subject to natural changes)

223a

°F

b. Discharge Water Temperature

223b

°F

10%	5%	1%	Maximum
°F	°F	°F	°F
°F	°F	°F	°F

24. Water Intake Velocity (see instructions)

224

feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

minutes

N/A

FOR AGENCY USE									

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300	
301a	0 0 4

b. Authority Imposes Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

NA

- Locally developed plan
- Areawide Plan
- Basic Plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan.
- Federal enforcement procedure or action
- State court order
- Federal court order

301b	<input type="checkbox"/> LOC
	<input type="checkbox"/> ARE
	<input type="checkbox"/> BAS
	<input type="checkbox"/> SQS
	<input type="checkbox"/> WQS
	<input type="checkbox"/> ENF
	<input type="checkbox"/> CRT
	<input type="checkbox"/> FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

301c	3-character (general)	
301d	6-character (specific) (see Table II)	

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOO |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

004

FOR AGENCY USE					

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

- a. Preliminary plan complete
- b. Final plan submission
- c. Final plan complete
- d. Financing complete & contract awarded
- e. Site acquired
- f. Begin action (e.g., construction)
- g. End action (e.g., construction)
- h. Discharge Began
- i. Operational level attained

2. Schedule (Yr./Mo./Day)

302a	/ /
302b	/ /
302c	/ /
302d	/ /
302e	/ /
302f	/ /
302g	/ /
302h	/ /
302i	/ /

3. Actual Completion (Yr./Mo./Day)

303a	/ /
303b	/ /
303c	/ /
303d	/ /
303e	/ /
303f	/ /
303g	/ /
303h	/ /
303i	/ /

FOR AGENCY USE											

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate "N/A."

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>	
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>	
City	102b	<u>Los Angeles</u>	
State	102c	<u>CA</u>	
ZIP Code	102d	<u>90013</u>	
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>	
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>	
City	103c	<u>Los Angeles</u>	
State	103d	<u>CA</u>	
ZIP Code	103e	<u>90014</u>	
Telephone	103f	<u>213</u>	<u>489-6941</u>
		Area Code	Number
4. Previous Application If a previous application for a National or Federal discharge permit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY	

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

Director of Engineering
Transit Facilities

Title



Signature of Applicant or Authorized Agent

102g
102f

11/14/85

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

OFFICE: _____ EPA Region Number

Received _____
YR MO DAY

_____ State

FOR AGENCY USE

Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharges does or will occur.

Name

103a

5th/Hill Station A-145, 148, 157

Southern California Rapid Transit District

Los Angeles

Ownership (Public, Private or Both Public and Private)

103b

PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

103c

FED

103d

Location

Street & Number

105e

Hill Street/ 4th to 5th Streets

City

105f

Los Angeles

County

105g

California

State

105h

Construction and Operation of

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

Rapid Transit System

AGENCY USE

FOR AGENCY USE

7. Facility Intake Water (see instructions) indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

10.0 thousand gallons per day

Surface water

107b

28.8 thousand gallons per day

Groundwater

107c

13.2 thousand gallons per day

Other*

107d

0 thousand gallons per day

Total Item 7

107e

52.0 thousand gallons per day

*If there is intake water from 'Other,' specify the source.

107f

8. Facility water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0 thousand gallons per day

Boiler feed water

108b

0 thousand gallons per day

Process water (including contact cooling water)

108c

0 thousand gallons per day

Sanitary water

108d

1.0 thousand gallons per day

Other*

108e

9.0 thousand gallons per day

Total Item 8

108f

10.0 thousand gallons per day

*If there are discharges to 'Other,' specify.

108g

Equipment water supply and washdown

If there is 'Sanitary' water use, give the number of people served.

108h

100 people served

FOR AGENCY USE				

9. All Facility Discharges and other Losses; Number and Discharge (see instructions) Volume Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	1	1.0
Storm water transport system	2	36.8
Combined sanitary and storm water transport system	0	0
Surface impoundment with no effluent	0	0
Underground percolation	0	0
Well Injection	0	0
Waste acceptance firm	1	1.0
Evaporation	0	0
Consumption	0	0
Other*	1	13.2
Facility discharges and volume Total Item 9.	5	52.0

*If there are discharges to 'other,' specify.

Dewatering discharges to stormdrains

10. Permits, Licenses and Applications List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/OA	Date Issued YR/MO/OA	Date Denied YR/MO/OA	Expiration Date YR/MO/OA
1. City of Los Angeles				-	-	-	-
County of Los Angeles				-	-	-	-
2.							
3.							

11. Maps and Drawings Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE				

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name

a. Discharge Serial No. (see instructions)

201a 005

b. Discharge Name Give name of discharge, if any. (see instructions)

201b 5th/Hill Station A145, A148, A157 construction

c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.

201c _____

2. Discharge Operating Dates

a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.

202a _____
YR MO

b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.

202b 86 1
YR MO

c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.

202c 92 7
YR MO

3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)

203

4. Discharge Location Name the political boundaries within which the point of discharge is located.

State

204a California

County

204b Los Angeles

(If applicable) City or Town

204c Los Angeles

Agency Use

204d	_____
204e	_____
204f	_____

5. Discharge Point Description Discharge is into (check one); (see instructions)

Stream (includes ditches, arroyos, and other intermittent watercourses)

205a STR

Lake

LKE

Ocean

OCE

Municipal Sanitary Wastewater Transport System

MTS

Municipal Combined Sanitary and Storm Transport System

MCS

DISCHARGE SERIAL NUMBER

005

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

STS

WEL

OTH

If 'other' is checked, specify

6. Discharge Point - Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

206a 34 DEG 2 MIN 30 SEC

Longitude

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

208a N/A feet

b. Discharge Depth Below Water Surface

208b N/A feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

209a (con) Continuous
 (int) Intermittent

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

209b 7 days per week

c. Discharge Occurrence - Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209c JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete Items 10 and 11 if "Intermittent" is checked in Item 9. a. Otherwise, proceed to Item 12:

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210 N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

211a N/A hours per day

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211b _____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum

212 From _____ to _____

FOR AGENCY USE									

13. Activity Description Give a narrative description of activity producing this discharge.(see instructions)

213a

Piped discharges to stormdrains
between along Hill Street from 4th to 5th Streets
west of the Los Angeles River.

Activities include dewatering
of groundwater, collection/treatment
of excavation seepage, stormwater
inflow, washdown, and equipment drainage

14. Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the Product Produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production.(see instructions)

Note applicable
construction activities associated with
excavation and cleanup.

a. Raw Materials Not Applicable

214a	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
	(1)	(2)	(3)	(4)	(5)

b. Products Not Applicable

214b	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
	(1)	(2)	(3)	(4)	(5)

DISCHARGE SERIAL NUMBER

005

FOR AGENCY USE									

15. Waste Abatement

a. Waste Abatement Practices
Describe the waste abatement practices used on this discharge with a brief narrative. (see instructions)

215a Narrative: Separation of wastewater flows, treatment of wastewater flows, and monitoring of quantities and qualities of flows

b. Waste Abatement Codes
Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

- 215b
- | | | |
|-------------|-------------|-------------|
| (1) ESEPAR | (2) ESEGRE | (3) EMERGE |
| (4) DHYSIC | (5) DSTOPD | (6) LOCALS |
| (7) OMONIT | (8) PSEDIM | (9) PFLOAT |
| (10) PSEPAR | (11) SLANDD | (12) MUNDIS |
| (13) _____ | (14) _____ | (15) _____ |
| (16) _____ | (17) _____ | (18) _____ |
| (19) _____ | (20) _____ | (21) _____ |
| (22) _____ | (23) _____ | (24) _____ |
| (25) _____ | | |

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter :216	Present	Parameter :216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	X
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	X
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Alcicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	X	Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition. Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

005

FOR AGENCY USE					

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent		Effluent					
	Unreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	42,000	10000	52,000	1000	52,000	Monthly		
pH Units 00400	7.0		X	6.0	8.0	monthly		
Temperature (winter) * F 74028	ND		+ 2°C	+ 2°C	+ 2°C			
Temperature (summer) * F 74027	ND		+ 2°C	+ 2°C	+ 2°C			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	700-30000		X	700	30000			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers). (see instructions)

DISCHARGE SERIAL NUMBER
005

FOR AGENCY USE									

17. (Cont'd.)

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Monthly		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218
217a
217b
217c

APS

ALM

N/A

FOR AGENCY USE									

N/A

d. Chemical composition of these additives (see instructions).

219d

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBD
- BCCL
- APOF
- EPBD
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

°F.

Winter

221b

°F.

22. Discharge Temperature, Rate of Change Per Hour

222

°F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions) Frequency of occurrence

N/A

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

10%	5%	1%	Maximum
°F	°F	°F	°F
°F	°F	°F	°F

24. Water Intake Velocity (see instructions)

224

feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

minutes

N/A

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements
 - a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.
 - b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)
 - Locality developed plan
 - Areawide Plan
 - Basic Plan
 - State approved implementation schedule
 - Federal approved water quality standards implementation plan.
 - Federal enforcement procedure or action
 - State court order
 - Federal court order
 - c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

300	
301a	0 0 5
	NA
301b	<input type="checkbox"/> LOC <input type="checkbox"/> ARE <input type="checkbox"/> BAS <input type="checkbox"/> SQS <input type="checkbox"/> WQS <input type="checkbox"/> ENF <input type="checkbox"/> CRT <input type="checkbox"/> FED
	3-character (general)
301c	
301d	6-character (specific) (see Table II)

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

- a. Preliminary plan complete
- b. Final plan submission
- c. Final plan complete
- d. Financing complete & contract awarded
- e. Site acquired
- f. Begin action (e.g., construction)
- g. End action (e.g., construction)
- h. Discharge Began
- i. Operational level attained

2. Schedule (Yr./Mo./Day)

302a	___/___/___
302b	___/___/___
302c	___/___/___
302d	___/___/___
302e	___/___/___
302f	___/___/___
302g	___/___/___
302h	___/___/___
302i	___/___/___

3. Actual Completion (Yr./Mo./Day)

303a	___/___/___
303b	___/___/___
303c	___/___/___
303d	___/___/___
303e	___/___/___
303f	___/___/___
303g	___/___/___
303h	___/___/___
303i	___/___/___

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate "N/A."

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

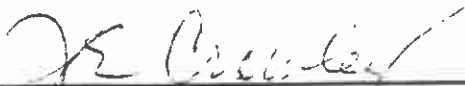
Please Print or Type

1. Legal Name of Applicant (see instructions)	101	Southern California Rapid Transit District	
2. Mailing Address of Applicant (see instructions) Number & Street:	102a	425 South Main Street	
City	102b	Los Angeles	
State	102c	CA	
Zip Code	102d	90013	
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams) Parsons, Dillingham Construction & De Leuw Cather	
Number & Street Address	103b	600 South Spring Street, Suite 1200	
City	103c	Los Angeles	
State	103d	CA	
Zip Code	103e	90014	
Telephone	103f	213 489-6941	Area Number
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	N/A YR MO DAY	

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

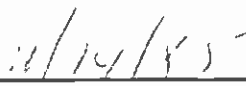
Printed Name of Person Signing



Signature of Applicant or Authorized Agent

Director of Engineering
Transit Facilities

Title



Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

Received _____
YR MO DAY

OFFICE: _____ EPA Region Number
_____ State

FOR AGENCY USE

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name

105a

5th/Hill - 7th Flower Tunnel construction

Southern California Rapid Transit District

Los Angeles

Ownership (Public, Private or Both Public and Private)

105b

PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

105c

FED

105d

Location

Street & Number

105e

5th/Hill to 7th/Figueroa

City

105f

Los Angeles

County

105g

California

State

105h

Construction and Operation of

Rapid Transit System

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

106b

AGENCY USE

7. Facility Intake Water (see instructions) Indicate water intake volume per day by source. Estimate average volume per day in thousand gallons per day.

Municipal or Private water system

107a

10.0 thousand gallons per day

Surface water

107b

16.0 thousand gallons per day

Groundwater

107c

32.2 thousand gallons per day

Other

107d

0 thousand gallons per day

Total Item 7

107e

58.2 thousand gallons per day

*If there is intake water from "Other," specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0 thousand gallons per day

Boiler feed water

108b

0 thousand gallons per day

Process water (including contact cooling water)

108c

0 thousand gallons per day

Sanitary water

108d

1.0 thousand gallons per day

Other

108e

9.0 thousand gallons per day

Total Item 8

108f

10.0 thousand gallons per day

*If there are discharges to "Other," specify.

108g

Equipment water supply and washdown

If there is "Sanitary" water use, give the number of people served.

108h

100 people served

FOR AGENCY USE									

9. All Facility Discharges and other Losses: Number and Discharge (see instructions) Volume Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

		Number of Discharge Points		Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	109a1	0	109a2	0
Sanitary wastewater transport system	109b1	2	109b2	1.0
Storm water transport system	109c1	2	109c2	24.0
Combined sanitary and storm water transport system	109d1	0	109d2	0
Surface impoundment with no effluent	109e1	0	109e2	0
Underground percolation	109f1	0	109f2	0
Well Injection	109g1	0	109g2	0
Waste acceptance firm	109h1	1	109h2	1.0
Evaporation	109i1	0	109i2	0
Consumption	109j1	0	109j2	0
Other*	109k1		109k2	32.2
Facility discharges and volume Total Item 9.	109l1	5	109l2	58.2
	109m1		Dewatering discharges to stormdrains	

*If there are discharges to "other," specify.

10. Permits, Licenses and Applications List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles				-	-	-	-
County of Los Angeles				-	-	-	-
2.							
3.							

11. Maps and Drawings Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE					

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

<p>1. Discharge Serial No. and Name</p> <p>a. Discharge Serial No. (see instructions)</p> <p>b. Discharge Name Give name of discharge, if any. (see instructions)</p> <p>c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.</p>	<p>201a <u>006</u></p> <p>201b <u>5th/Hill - 7th/Flower Tunnel A-146</u> <u>Construction</u></p> <p>201c _____</p>	
<p>2. Discharge Operating Dates</p> <p>a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.</p> <p>b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.</p> <p>c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.</p>	<p>202a _____ YR MO</p> <p>202b <u>86</u> <u>1</u> YR MO</p> <p>202c <u>92</u> <u>7</u> YR MO</p>	
<p>3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)</p>	<p>203 <input type="checkbox"/></p>	
<p>4. Discharge Location Name the political boundaries within which the point of discharge is located.</p> <p>State</p> <p>County</p> <p>(if applicable) City or Town</p>	<p>204a <u>California</u></p> <p>204b <u>Los Angeles</u></p> <p>204c <u>Los Angeles</u></p>	<p style="text-align: center;">Agency Use</p> <p>204d _____</p> <p>204e _____</p> <p>204f _____</p>
<p>5. Discharge Point Description Discharge is into (check one); (see instructions)</p> <p>Stream (includes ditches, arroyos, and other intermittent watercourses)</p> <p>Lake</p> <p>Ocean</p> <p>Municipal Sanitary Wastewater Transport System</p> <p>Municipal Combined Sanitary and Storm Transport System</p>	<p>205a <input type="checkbox"/> STR</p> <p><input type="checkbox"/> LKE</p> <p><input type="checkbox"/> OCE</p> <p><input checked="" type="checkbox"/> MTS</p> <p><input type="checkbox"/> MCS</p>	

DISCHARGE SERIAL NUMBER

006

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

Municipal Storm Water Transport System

Well (Injection)

Other

If 'Other' is checked, specify

STS

WEL

OTH

6. Discharge Point - Lat/Long Give the Precise location of the point of discharge to the nearest second.

Latitude

206a 34 DEG 2 MIN 30 SEC

Longitude

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

208a N/A feet

b. Discharge Depth Below Water Surface

208b N/A feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

209a (con) Continuous
 (int) Intermittent

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

209b 7 days per week

c. Discharge Occurrence - Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209c JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete items 10 and 11 if "Intermittent" is checked in item 9.a. Otherwise, proceed to item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210 N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

211a N/A hours per day

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211b _____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum

212 From 10 to 5

For Agency Use		
Major	Minor	Sub

207c

For Agency Use	
303e	

FOR AGENCY USE

FOR AGENCY USE				

13. Activity Description Give a narrative description of activity producing this discharge. (see instructions)

213a

Piped discharges to stormdrains
from 5th/Hill to 7th/Flower Streets
west of the Los Angeles River.

Activities include dewatering
of groundwater, collection/treatment
of excavation seepage, stormwater
inflow, washdown, and equipment drainage

14. Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, specify the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production. (see instructions)

Note applicable construction activities associated with excavation and cleanup.

a. Raw Materials Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214a	(1)	(2)	(3)	(4)	(5)

b. Products Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214b	(1)	(2)	(3)	(4)	(5)

DISCHARGE SERIAL NUMBER

006

FOR AGENCY USE									

15. Waste Abatement

a. Waste Abatement Practices
Describe the waste abatement practices used on this discharge with a brief narrative. (see instructions)

215a Narrative: Separation of wastewater flows, treatment of wastewater flows, and monitoring of quantities and qualities of flows

b. Waste Abatement Codes
Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

215b

- | | | |
|-------------|-------------|-------------|
| (1) ESEPAR | (2) ESEGRE | (3) EMERGE |
| (4) DHYSIC | (5) DSTOPD | (6) LOCALS |
| (7) OMONIT | (8) PSEDIM | (9) PFLOAT |
| (10) PSEPAR | (11) SLANDD | (12) MUNDIS |
| (13) _____ | (14) _____ | (15) _____ |
| (16) _____ | (17) _____ | (18) _____ |
| (19) _____ | (20) _____ | (21) _____ |
| (22) _____ | (23) _____ | (24) _____ |
| (25) _____ | | |

FOR AGENCY USE									

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	X
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	X
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	X	Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

006

FOR AGENCY USE									

17. Description of Intake and Discharge

For each of the Parameters listed below, enter in the appropriate box the value or code letter answer called for. (see instructions)

In addition, enter the Parameter name and code and all required values for any of the following Parameters if they were checked in Item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	48,200	10,000	58,200	1000	58,200	monthly		
pH Units 00400	7.0		X	6.0	8.0	monthly		
Temperature (winter) ° F 74028	ND		± 2°C	+ 2°C	+ 2°C			
Temperature (summer) ° F 74027	ND		± 2°C	+ 2°C	+ 2°C			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	700- 30000		X	700	30000			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers).(see instructions)

DISCHARGE SERIAL NUMBER

006

FOR AGENCY USE							

17. (Cont'd.)

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Monthly		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218

APS

ALM

N/A

219a

219b

219c

DISCHARGE SERIAL NUMBER

006

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

N/A

d. Chemical composition of these additives (see instructions).

219d

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBD
- BCCL
- APOF
- EPBD
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour.

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

223

N/A

Frequency of occurrence

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

24. Water Intake Velocity (see instructions)

224

_____ feet/sec. } N/A

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes }

DISCHARGE SERIAL NUMBER

006

FOR AGENCY USE									

26. Additional Information

226

Item

Information

	Information
	See Attachment A

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300			
301a	0	0	6

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

NA

- Locally developed plan
- Area-wide Plan
- Basic Plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan.
- Federal enforcement procedure or action
- State court order
- Federal court order

301b	<input type="checkbox"/> LOC
	<input type="checkbox"/> ARE
	<input type="checkbox"/> BAS
	<input type="checkbox"/> SQS
	<input type="checkbox"/> WQS
	<input type="checkbox"/> ENF
	<input type="checkbox"/> CRT
	<input type="checkbox"/> FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

301c	3-character (general)	
301d	6-character (specific) (see Table II)	

FOR AGENCY USE	
SCHED. NO.	

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

- a. Preliminary plan complete
- b. Final plan submission
- c. Final plan complete
- d. Financing complete & contract awarded
- e. Site acquired
- f. Begin action (e.g., construction)
- g. End action (e.g., construction)
- h. Discharge Began
- i. Operational level attained

2. Schedule (Yr./Mo./Day)

302a	___/___/___
302b	___/___/___
302c	___/___/___
302d	___/___/___
302e	___/___/___
302f	___/___/___
302g	___/___/___
302h	___/___/___
302i	___/___/___

3. Actual Completion (Yr./Mo./Day)

303a	___/___/___
303b	___/___/___
303c	___/___/___
303d	___/___/___
303e	___/___/___
303f	___/___/___
303g	___/___/___
303h	___/___/___
303i	___/___/___

FOR AGENCY USE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'N/A.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	Southern California Rapid Transit District	
2. Mailing Address of Applicant (see instructions) Number & Street:	102a	425 South Main Street	
City	102b	Los Angeles	
State	102c	CA	
Zip Code	102d	90013	
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams)	
Number & Street Address	103b	Parsons, Dillingham Construction & De Lew Cather 600 South Spring Street, Suite 1200	
City	103c	Los Angeles	
State	103d	CA	
Zip Code	103e	90014	
Telephone	103f	213	489-6941
4. Previous Application If a previous application for a National or Federal discharge Per- mit has been made, give the date of application. Use numeric designation for date.	104	Area Code	Number
		N/A	
		YR MO DAY	

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

Director of Engineering
Transit Facilities

102e

Title

J.E. Crawley

Signature of Applicant or Authorized Agent

102f

11/14/81

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

OFFICE: _____ EPA Region Number

_____ State

Received _____
YR MO DAY

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the Plant or other operating facility where discharge(s) does or will occur.

FOR AGENCY USE

Name

103a

7th/Flower Station Construction A-165-167

Southern California Rapid Transit District

Los Angeles

Ownership (Public, Private or Both Public and Private)

103b

 PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

103c

 FED

103d

Location

Street & Number

103e

7th Street/Hope to Figueroa

City

103f

Los Angeles

County

103g

California

State

103h

Construction and Operation of

6. Nature of Business State the nature of the business conducted at the Plant or operating facility.

106a

Rapid Transit System

106b

AGENCY USE

7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

10.0 thousand gallons per day

Surface water

107b

20.4 thousand gallons per day

Groundwater

107c

9.7 thousand gallons per day

Other*

107d

0 thousand gallons per day

Total Item 7

107e

40.1 thousand gallons per day

*If there is intake water from 'other,' specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0 thousand gallons per day

Boiler feed water

108b

0 thousand gallons per day

Process water (including contact cooling water)

108c

0 thousand gallons per day

Sanitary water

108d

1.0 thousand gallons per day

Other*

108e

9.0 thousand gallons per day

Total Item 8

108f

10.0 thousand gallons per day

*If there are discharges to 'other,' specify.

108g

Equipment water supply and washdown

If there is 'Sanitary' water use, give the number of people served.

108h

100 People served

FOR AGENCY USE									

3. All Facility Discharges and other Losses: Number and Discharge (see instructions) Volume Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	3	1.0
Storm water transport system	3	18.4
Combined sanitary and storm water transport system	0	0
Surface impoundment with no effluent	0	0
Underground percolation	0	0
Well injection	0	0
Waste acceptance firm	1	1.0
Evaporation	0	0
Consumption	0	0
Other*	2	9.7
Facility discharges and volume Total Item 3.	7	40.1

* If there are discharges to "other," specify.

Dewatering discharges to stormdrains

10. Permits, Licenses and Applications List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles				-	-	-	-
County of Los Angeles				-	-	-	-
2.							
3.							

11. Maps and Drawings Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE					

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name

a. Discharge Serial No.
(see instructions)

201a 007

b. Discharge Name
Give name of discharge, if any.
(see instructions)

201b 7th/Flower Station A-165-167
Construction

c. Previous Discharge Serial No.
If previous permit application
was made for this discharge (see
Item 4, Section I), provide previ-
ous discharge serial number.

201c _____

2. Discharge Operating Dates

a. Discharge Began Date If the
discharge described below is in
operation, give the date (within
best estimate) the discharge
began.

202a _____
YR MO

b. Discharge to Begin Date If the
discharge has never occurred but
is planned for some future date,
give the date (within best esti-
mate) the discharge will begin.

202b 86 1
YR MO

c. Discharge to End Date If dis-
charge is scheduled to be discon-
tinued within the next 5 years,
give the date (within best esti-
mate) the discharge will end.

202c 92 7
YR MO

3. Engineering Report Available
Check if an engineering report is
available to reviewing agency upon
request. (see instructions)

203

4. Discharge Location Name the
political boundaries within which
the point of discharge is located.

State

204a California

County

204b Los Angeles

(If applicable) City or Town

204c Los Angeles

Agency Use

204d _____

204e _____

204f _____

5. Discharge Point Description
Discharge is into (check one);
(see instructions)

Stream (includes ditches, arroyos,
and other intermittent watercourses)

205a STR

Lake

LKE

Ocean

OCE

Municipal Sanitary Wastewater
Transport System

MTS

Municipal Combined Sanitary and
Storm Transport System

MCS

DISCHARGE SERIAL NUMBER

007

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

If 'Other' is checked, specify

STS

WEL

OTH

6. Discharge Point — Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

206a 34 DEG 2 MIN 30 SEC

Longitude

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shore line or is below the mean low water line, complete Item 8.

For Agency Use

For Agency Use

Major	Minor	Sub

207c

303e

8. Offshore Discharge

a. Discharge Distance from Shore

208a N/A feet

b. Discharge Depth Below Water Surface

208b N/A feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

209a (con) Continuous
 (int) Intermittent

b. Discharge Occurrence Days Per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

209b 7 days per week

c. Discharge Occurrence —Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209c JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete Items 10 and 11 if "Intermittent" is checked in Item 9.a., otherwise, proceed to Item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210 N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

211a N/A hours per day

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211b _____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum flow of this discharge occurs.

212 From _____ to _____

FOR AGENCY USE									

13. Activity Description Give a narrative description of activity producing this discharge. (see instructions)

213a

Piped discharges to stormdrains

from 7th/Hope to 7th/Figueroa Streets west of the Los Angeles River.

Activities include dewatering of groundwater, collection/treatment of excavation seepage, stormwater inflow, washdown, and equipment drainage

14. Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production. (see instructions)

Note applicable construction activities associated with excavation and cleanup.

a. Raw Materials Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214a	(1)	(2)	(3)	(4)	(5)

b. Products Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214b	(1)	(2)	(3)	(4)	(5)

DISCHARGE SERIAL NUMBER

007

FOR AGENCY USE									

15. Waste Abatement

a. Waste Abatement Practices
Describe the waste abatement practices used on this discharge with a brief narrative. (see instructions)

215a

Narrative: Separation of wastewater flows,
treatment of wastewater flows, and
monitoring of quantities and qualities
of flows

b. Waste Abatement Codes
Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

215b

- | | | |
|--------------------|--------------------|--------------------|
| (1) <u>ESEPAR</u> | (2) <u>ESEGRE</u> | (3) <u>EMERGE</u> |
| (4) <u>DHYSIC</u> | (5) <u>DSTOPD</u> | (6) <u>LOCALS</u> |
| (7) <u>OMONIT</u> | (8) <u>PSEDIM</u> | (9) <u>PFLOAT</u> |
| (10) <u>PSEPAR</u> | (11) <u>SLANDD</u> | (12) <u>MUNDIS</u> |
| (13) _____ | (14) _____ | (15) _____ |
| (16) _____ | (17) _____ | (18) _____ |
| (19) _____ | (20) _____ | (21) _____ |
| (22) _____ | (23) _____ | (24) _____ |
| (25) _____ | | |

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	X
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	X
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	X	Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

007

FOR AGENCY USE									

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16; ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	30,100	10000	40,100	0	40,100	Monthly		
pH Units 00400	7.0		X	6.0	8.0	monthly		
Temperature (winter) ° F 74028	ND		± 2°C	+ 2°C	+ 2°C			
Temperature (summer) ° F 74027	ND		± 2°C	+ 2°C	+ 2°C			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	700- 30000		X	700	30000			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers).(see instructions)

DISCHARGE SERIAL NUMBER
007

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE									

17. (Cont'd.)

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Monthly		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

APS

Alarm or emergency procedure for power or equipment failure

ALM

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

N/A

a. Name of Material(s)

219a

b. Name and address of manufacturer

219b

c. Quantity (pounds added per million gallons of water treated).

219c

DISCHARGE SERIAL NUMBER

007

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

N/A

d. Chemical composition of these additives (see instructions).

219d

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLSD
- BCCL
- APOF
- EPBD
- OCFP
- COND
- CTBO
- MFPR
- DTHR

21. Discharge/Receiving Water Temperature Difference

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

°F.

Winter

221b

°F.

22. Discharge Temperature, Rate of Change Per Hour.

222

°F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

N/A

Frequency of occurrence

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

	10%	5%	1%	Maximum
a.	°F	°F	°F	°F
b.	°F	°F	°F	°F

24. Water Intake Velocity (see instructions)

224

feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

minutes

N/A

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300			
301a	0	0	7

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

NA

- Locality developed plan
- Area-wide plan
- Basic plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan
- Federal enforcement procedure or action
- State court order
- Federal court order

- LOC
- ARE
- BAS
- SQS
- WQS
- ENF
- CRT
- FEO

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

3-character (general)

301c	
------	--

6-character (specific) (see Table II)

301d	

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps	2. Schedule (Yr./Mo./Day)	3. Actual Completion (Yr./Mo./Day)
a. Preliminary plan complete	302a	303a
b. Final plan submission	302b	303b
c. Final plan complete	302c	303c
d. Financing complete & contract awarded	302d	303d
e. Site acquired	302e	303e
f. Begin action (e.g., construction)	302f	303f
g. End action (e.g., construction)	302g	303g
h. Discharge Began	302h	303h
i. Operational level attained	302i	303i

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'N/A.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>	
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>	
City	102b	<u>Los Angeles</u>	
State	102c	<u>CA</u>	
Zip Code	102d	<u>90013</u>	
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u>	
Number & Street Address	103b	<u>Parsons, Dillingham Construction & De Leuw Cather</u> <u>600 South Spring Street, Suite 1200</u>	
City	103c	<u>Los Angeles</u>	
State	103d	<u>CA</u>	
Zip Code	103e	<u>90014</u>	
Telephone	103f	<u>213</u>	<u>489-6941</u>
		Area Code	Number
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> <u>YR MO DAY</u>	

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

J.E. Crawley

Signature of Applicant or Authorized Agent

Director of Engineering
Transit Facilities

Title

11/14/85

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

Received _____
YR MO DAY

OFFICE: _____ EPA Region Number
_____ State

FOR AGENCY USE									

3. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name

105a

7th/Flower-Wilshire/Alvarado Tunnel - Construction-Al71

Southern California Rapid Transit District

Los Angeles

Ownership (Public, Private or Both Public and Private)

105b

PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

105c

FED

105d

Location

Street & Number

105e

7th/Figueroa to Wilshire/Alvarado Streets.

City

105f

Los Angeles

County

105g

California

State

105h

Construction and Operation of

Rapid Transit System

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

AGENCY USE

7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

10.0 thousand gallons per day

Surface water

107b

16.0 thousand gallons per day

Groundwater

107c

2.3 thousand gallons per day

Other

107d

0 thousand gallons per day

Total Item 7

107e

28.3 thousand gallons per day

If there is intake water from 'other,' specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0 thousand gallons per day

Boiler feed water

108b

0 thousand gallons per day

Process water (including contact cooling water)

108c

0 thousand gallons per day

Sanitary water

108d

1.0 thousand gallons per day

Other

108e

9.0 thousand gallons per day

Total Item 8

108f

10.0 thousand gallons per day

If there are discharges to 'other,' specify.

108g

Equipment water supply and washdown

If there is 'Sanitary' water use, give the number of people served.

108h

100 people served

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE					

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

<p>1. Discharge Serial No. and Name</p> <p>a. Discharge Serial No. (see instructions)</p> <p>b. Discharge Name Give name of discharge, if any. (see instructions)</p> <p>c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previ- ous discharge serial number.</p>	<p>201a <u>008</u></p> <p>201b <u>7th/Flower-Wilshire/Alvarado Tunnel</u> <u>Construction</u></p> <p>201c _____</p>									
<p>2. Discharge Operating Dates</p> <p>a. Discharge Began Date If the discharge described below is in operatibn. give the date (within best estimate) the discharge began.</p> <p>b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best esti- mate) the discharge will begin.</p> <p>c. Discharge to End Date If dis- charge is scheduled to be discon- tinued within the next 5 years, give the date (within best esti- mate) the discharge will end.</p>	<p>202a _____ YR MO</p> <p>202b <u>86</u> <u>1</u> YR MO</p> <p>202c <u>92</u> <u>7</u> YR MO</p>									
<p>3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)</p>	<p>203 <input type="checkbox"/></p>									
<p>4. Discharge Location Name the political boundaries within which the point of discharge is located.</p> <p style="padding-left: 40px;">State</p> <p style="padding-left: 40px;">County</p> <p>(If applicable) City or Town</p>	<p>204a <u>California</u></p> <p>204b <u>Los Angeles</u></p> <p>204c <u>Los Angeles</u></p>	<table border="1"> <tr> <td colspan="2">Agency Use</td> </tr> <tr> <td>204d</td> <td>_____</td> </tr> <tr> <td>204e</td> <td>_____</td> </tr> <tr> <td>204f</td> <td>_____</td> </tr> </table>	Agency Use		204d	_____	204e	_____	204f	_____
Agency Use										
204d	_____									
204e	_____									
204f	_____									
<p>5. Discharge Point Description Discharge is into (check one); (see instructions)</p> <p>Stream (includes ditches, arroyos, and other intermittent watercourses)</p> <p>Lake</p> <p>Ocean</p> <p>Municipal Sanitary Wastewater Transport System</p> <p>Municipal Combined Sanitary and Storm Transport System</p>	<p>205a <input type="checkbox"/> STR</p> <p><input type="checkbox"/> LKE</p> <p><input type="checkbox"/> OCE</p> <p><input checked="" type="checkbox"/> MTS</p> <p><input type="checkbox"/> MCS</p>									

DISCHARGE SERIAL NUMBER

008

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

Municipal Storm Water Transport System

STS

Well (Injection)

WEL

Other

OTH

If 'other' is checked, specify

205b

6. Discharge Point — Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

206a

34 DEG 2 MIN 30 SEC

Longitude

206b

118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a

Storm Drain to Los Angeles River and Ballona Creek

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

208a

N/A feet

b. Discharge Depth Below Water Surface

208b

N/A feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

209a

(con) Continuous
 (int) Intermittent

b. Discharge Occurrence Days Per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

209b

7 days per week

c. Discharge Occurrence — Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209c

JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete items 10 and 11 if "intermittent" is checked in item 9.a. Otherwise, proceed to item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210

N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

211a

N/A hours per day

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211b

_____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum flow of the discharge occurs.

212

From _____ to _____

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

13. Activity Description Give a narrative description of activity producing this discharge.(see instructions)

213a

Piped discharges to stormdrains along 7th and Alvarado Streets

west of the Los Angeles River.

Activities include dewatering of groundwater, collection/treatment of excavation seepage, stormwater inflow, washdown, and equipment drainage

14. Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production.(see instructions)

Note applicable construction activities associated with excavation and cleanup.

a. Raw Materials Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
214a				

b. Products Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
214b				

DISCHARGE SERIAL NUMBER

008

FOR AGENCY USE									

15. Waste Abatement

a. Waste Abatement Practices
Describe the waste abatement practices used on this discharge with a brief narrative. (see instructions)

215a Narrative: Separation of wastewater flows,
treatment of wastewater flows, and
monitoring of quantities and qualities
of flows

b. Waste Abatement Codes
Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

- 215b
- | | | |
|-------------|-------------|-------------|
| (1) ESEPAR | (2) ESEGRE | (3) EMFRGF |
| (4) DHYSIC | (5) DSTOPD | (6) LOCALS |
| (7) OMONIT | (8) PSEDIM | (9) PFLOAT |
| (10) PSEPAR | (11) SLANDD | (12) MUNDIS |
| (13) _____ | (14) _____ | (15) _____ |
| (16) _____ | (17) _____ | (18) _____ |
| (19) _____ | (20) _____ | (21) _____ |
| (22) _____ | (23) _____ | (24) _____ |
| (25) _____ | | |

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (See instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	X
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	X
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	X	Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

008

FOR AGENCY USE									

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in item 16; ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, DDT, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow ^a Gallons per day 00056	16,300	10000	28,300	0	28,300	Monthly		
pH Units 00400	7.0		X	6.0	8.0	monthly		
Temperature (winter) ° F 74028	ND		+ 2° C	+ 2° C	+ 2° C			
Temperature (summer) ° F 74027	ND		+ 2° C	+ 2° C	+ 2° C			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	700-30000		X	700	30000			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

^aOther discharges sharing intake flow (serial numbers).(see instructions)

DISCHARGE SERIAL NUMBER

008

FOR AGENCY USE									

17. (Cont'd.)

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Monthly		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-211
219a
219b
219c

APS

ALM

N/A

008

FOR AGENCY USE

--	--	--	--	--	--	--	--

N/A

d. Chemical composition of these additives (see instructions).

219d

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBD
- BCCL
- APOF
- EPBD
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour.

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

223

N/A

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

24. Water Intake Velocity (see instructions)

224

_____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

DISCHARGE SERIAL NUMBER

008

FOR AGENCY USE									

26. Additional Information

226

Item

Information

See Attachment A

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements
- a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.
- b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)
- Locally developed plan
 - Area-wide Plan
 - Basic Plan
 - State approved implementation schedule
 - Federal approved water quality standards implementation plan.
 - Federal enforcement procedure or action
 - State court order
 - Federal court order
- c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

300	
301a	0 0 8
	NA
301b	<input type="checkbox"/> LOC
	<input type="checkbox"/> ARE
	<input type="checkbox"/> BAS
	<input type="checkbox"/> SQS
	<input type="checkbox"/> WQS
	<input type="checkbox"/> ENF
	<input type="checkbox"/> CRT
	<input type="checkbox"/> FED
301c	3-character (general)
301d	6-character (specific) (see Table II)

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

- a. Preliminary plan complete
- b. Final plan submission
- c. Final plan complete
- d. Financing complete & contract awarded
- e. Site acquired
- f. Begin action (e.g., construction)
- g. End action (e.g., construction)
- h. Discharge Began
- i. Operational level attained

2. Schedule (Yr./Mo./Day)

302a	___/___/___
302b	___/___/___
302c	___/___/___
302d	___/___/___
302e	___/___/___
302f	___/___/___
302g	___/___/___
302h	___/___/___
302i	___/___/___

3. Actual Completion (Yr./Mo./Day)

303a	___/___/___
303b	___/___/___
303c	___/___/___
303d	___/___/___
303e	___/___/___
303f	___/___/___
303g	___/___/___
303h	___/___/___
303i	___/___/___

FOR AGENCY USE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'N/A.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>
City	102b	<u>Los Angeles</u>
State	102c	<u>CA</u>
Zip Code	102d	<u>90013</u>
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>
City	103c	<u>Los Angeles</u>
State	103d	<u>CA</u>
Zip Code	103e	<u>90014</u>
Telephone	103f	<u>213</u> <u>489-6941</u> Area Number Code
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

J.E. Crawley
Signature of Applicant or Authorized Agent

Director of Engineering
Transit Facilities

Title

11/14/85
Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

OFFICE: _____ EPA Region Number

Received _____
YR MO DAY

_____ State

FOR AGENCY USE

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name 105a

Wilshire/Alvarado Station Construction A175-187

Southern California Rapid Transit District

Los Angeles

Ownership (Public, Private or Both Public and Private) 105b

PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number 105c

FED

Location Street & Number 105e

7th/Bonnie Brae to Wilshire/Alvarado

City 105f

Los Angeles

County 105g

California

State 105h

Construction and Operation of

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

Rapid Transit System

106b

AGENCY USE

7. Facility Intake Water (see instructions) indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system 107a

10.0 thousand gallons per day

Surface water 107b

25.0 thousand gallons per day

Groundwater 107c

8.0 thousand gallons per day

Other 107d

0 thousand gallons per day

Total Item 7 107e

43.0 thousand gallons per day

If there is intake water from 'other,' specify the source. 107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water 108a

0 thousand gallons per day

Boiler feed water 108b

0 thousand gallons per day

Process water (including contact cooling water) 108c

0 thousand gallons per day

Sanitary water 108d

1.0 thousand gallons per day

Other 108e

9.0 thousand gallons per day

Total Item 8 108f

10.0 thousand gallons per day

If there are discharges to 'other,' specify. 108g

Equipment water supply and washdown

If there is 'Sanitary' water use, give the number of people served. 108h

100 people served

FOR AGENCY USE					

9. All Facility Discharges and other Losses; Number and Discharge (see Instructions) Volume Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	3	1.0
Storm water transport system	3	33.0
Combined sanitary and storm water transport system	0	0
Surface impoundment with no effluent	0	0
Underground percolation	0	0
Well Injection	0	0
Waste acceptance firm	1	1.0
Evaporation	0	0
Consumption	0	0
Other*	3	8.0
Facility discharges and volume Total Item 9.	10	43.0

*If there are discharges to 'other,' specify.
Dewatering discharges to stormdrains

10. Permits, Licenses and Applications List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles				-	-	-	-
County of Los Angeles				-	-	-	-
2.							
3.							

11. Maps and Drawings Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE									

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

<p>1. Discharge Serial No. and Name</p> <p>a. Discharge Serial No. (see instructions)</p> <p>b. Discharge Name Give name of discharge, if any. (see instructions)</p> <p>c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previ- ous discharge serial number.</p>	<p>201a <u>009</u></p> <p>201b <u>Wilshire/Alvarado Station A175-187</u> <u>Construction</u></p> <p>201c _____</p>
<p>2. Discharge Operating Dates</p> <p>a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.</p> <p>b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best esti- mate) the discharge will begin.</p> <p>c. Discharge to End Date If dis- charge is scheduled to be discon- tinued within the next 5 years, give the date (within best esti- mate) the discharge will end.</p>	<p>202a _____ YR MO</p> <p>202b <u>86</u> <u>1</u> YR MO</p> <p>202c <u>92</u> <u>7</u> YR MO</p>
<p>3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)</p>	<p>203 <input type="checkbox"/></p>
<p>4. Discharge Location Name the political boundaries within which the point of discharge is located.</p> <p>State</p> <p>County</p> <p>(If applicable) City or Town</p>	<p>204a <u>California</u></p> <p>204b <u>Los Angeles</u></p> <p>204c <u>Los Angeles</u></p>
<p>5. Discharge Point Description Discharge is into (check one); (see instructions)</p> <p>Stream (includes ditches, arroyos, and other intermittent watercourses)</p> <p>Lake</p> <p>Ocean</p> <p>Municipal Sanitary Wastewater Transport System</p> <p>Municipal Combined Sanitary and Storm Transport System</p>	<p>205a <input type="checkbox"/> STR. <input type="checkbox"/> LKE <input type="checkbox"/> OCE <input checked="" type="checkbox"/> MTS <input type="checkbox"/> MCS</p>

Agency Use

204d	_____
204e	_____
204f	_____

DISCHARGE SERIAL NUMBER

009

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

If 'Other' is checked, specify

STS

WEL

OTH

6. Discharge Point — Lat/Long Give the Precise location of the point of discharge to the nearest second.

Latitude

206a 34 DEG 2 MIN 30 SEC

Longitude

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge.(see instructions)

207a Storm Drain to Ballona Creek

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

208a N/A feet

b. Discharge Depth Below Water Surface

208b N/A feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

209a (con) Continuous
 (int) Intermittent

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

209b 7 days per week

c. Discharge Occurrence —Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209c JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete items 10 and 11 if "Intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12:

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210 N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

211a N/A hours per day

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211b _____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum flow of the discharge occurs

212 From _____ to _____

FOR AGENCY USE

13. Activity Description Give a narrative description of activity producing this discharge. (see instructions)

213a | Piped discharges to stormdrains along 7th and Wilshire between Bonnie Brae and Alvarado Streets.
west of the Los Angeles River.

Activities include dewatering of groundwater, collection/treatment of excavation seepage, stormwater inflow, washdown, and equipment drainage

14. Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production. (see instructions)

Note applicable construction activities associated with excavation and cleanup.

a. Raw Materials Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214a	(1)	(2)	(3)	(4)	(5)

b. Products Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
214b	(1)	(2)	(3)	(4)	(5)

DISCHARGE SERIAL NUMBER

009

FOR AGENCY USE									

15. Waste Abatement

a. Waste Abatement Practices
Describe the waste abatement practices used on this discharge with a brief narrative. (see instructions)

215a

Narrative: Separation of wastewater flows,
treatment of wastewater flows, and
monitoring of quantities and qualities
of flows

b. Waste Abatement Codes
Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

215b

- | | | |
|--------------------|--------------------|--------------------|
| (1) <u>ESEPAR</u> | (2) <u>ESEGRE</u> | (3) <u>EMERGE</u> |
| (4) <u>DHYSIC</u> | (5) <u>DSTOPD</u> | (6) <u>LOCALS</u> |
| (7) <u>OMONIT</u> | (8) <u>PSEDIM</u> | (9) <u>PFLOAT</u> |
| (10) <u>PSEPAR</u> | (11) <u>SLANDD</u> | (12) <u>MUNDIS</u> |
| (13) _____ | (14) _____ | (15) _____ |
| (16) _____ | (17) _____ | (18) _____ |
| (19) _____ | (20) _____ | (21) _____ |
| (22) _____ | (23) _____ | (24) _____ |
| (25) _____ | | |

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (See instructions)

Parameter :216	Present	Parameter :216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	X
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	X
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	X	Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

009

FOR AGENCY USE

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in item 16; ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	33400	10000	10000	0	43400	Monthly		
pH Units 00400	7.0		X	6.0	8.0	monthly		
Temperature (winter) ° F 74028	ND		$\pm 2^{\circ}\text{C}$	$+ 2^{\circ}\text{C}$	$+ 2^{\circ}\text{C}$			
Temperature (summer) ° F 74027	ND		$\pm 2^{\circ}\text{C}$	$+ 2^{\circ}\text{C}$	$+ 2^{\circ}\text{C}$			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	700- 30000		X	700	30000			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers). (see instructions)

DISCHARGE SERIAL NUMBER

009

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE

--	--	--	--	--	--	--	--

17. (Cont'd.)

Parameter and Code 217a	Influent		Effluent					
	Unreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Monthly		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

218
219a
219b
219c

- APS
- ALM

N/A

DISCHARGE SERIAL NUMBER

009

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBD
- BCCL
- APOF
- EPBO
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence)
In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)
Frequency of occurrence

N/A

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

	10%	5%	1%	Maximum
a. Intake Water Temperature	_____ °F	_____ °F	_____ °F	_____ °F
b. Discharge Water Temperature	_____ °F	_____ °F	_____ °F	_____ °F

24. Water Intake Velocity (see instructions)

224

_____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300

0 0 9

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

301a

NA

Locally developed Plan

301b

LOC

Areawide Plan

ARE

Basic Plan

BAS

State approved implementation schedule

SCS

Federal approved water quality standards implementation plan.

WQS

Federal enforcement Procedure or action

ENF

State court order

CRT

Federal court order

FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

301c

3-character (general)

301d

6-character (specific) (see Table II)

- New Facility
- Modification (no increase in capacity or treatment)
- Increase in Capacity
- Increase in Treatment Level
- Both Increase in Treatment Level and Capacity
- Process Change
- Elimination of Discharge

- NEW
- MOD
- INC
- INT
- ICT
- PRO
- ELI

FOR AGENCY USE

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

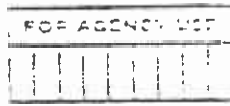
- a. Preliminary plan complete
- b. Final plan submission
- c. Final plan complete
- d. Financing complete & contract awarded
- e. Site acquired
- f. Begin action (e.g., construction)
- g. End action (e.g., construction)
- h. Discharge Began
- i. Operational level attained

2. Schedule (Yr./Mo./Day)

302a	___/___/___
302b	___/___/___
302c	___/___/___
302d	___/___/___
302e	___/___/___
302f	___/___/___
302g	___/___/___
302h	___/___/___
302i	___/___/___

3. Actual Completion (Yr./Mo./Day)

303a	___/___/___
303b	___/___/___
303c	___/___/___
303d	___/___/___
303e	___/___/___
303f	___/___/___
303g	___/___/___
303h	___/___/___
303i	___/___/___



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'N/A.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>
City	102b	<u>Los Angeles</u>
State	102c	<u>CA</u>
Zip Code	102d	<u>90013</u>
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u>
Number & Street Address	103b	<u>Parsons, Dillingham Construction & De Leuw Cather</u> <u>600 South Spring Street, Suite 1200</u>
City	103c	<u>Los Angeles</u>
State	103d	<u>CA</u>
Zip Code	103e	<u>90014</u>
Telephone	103f	<u>213</u> <u>489-6941</u> Area Code Number
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Director of Engineering
Transit Facilities

Printed Name of Person Signing

J.E. Crawley

Signature of Applicant or Authorized Agent



Title

11/14/85

Date Application Signed

18 U.S.C. Section 1001 provides that:
Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

Received _____
YR MO DAY

OFFICE: _____ EPA Region Number
_____ State

FOR AGENCY USE									

3. All Facility Discharges and other Losses: Number and Discharge (see instructions) Volume Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	0	0
Storm water transport system	1	66.9
Combined sanitary and storm water transport system	0	0
Surface impoundment with no effluent	0	0
Underground percolation	0	0
Well Injection	0	0
Waste acceptance firm	0	0
Evaporation	0	0
Consumption	0	0
Other*	0	0
Facility discharges and volume Total Item 3.	1	66.9
*If there are discharges to "other," specify.		

10. Permits, Licenses and Applications List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles				-	-	-	-
County of Los Angeles				-	-	-	-
2.							
3.							

11. Maps and Drawings Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information
112	7/8/9 See Attachment A

FOR AGENCY USE									

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name	201a	020	
a. Discharge Serial No. (see instructions)	201b	South Yard Storm Drain/, A-112, 4th and Santa Fe St.	
b. Discharge Name Give name of discharge, if any. (see instructions)	201c	Operations	
c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previ- ous discharge serial number.		-	
2. Discharge Operating Dates			
a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	202a	YR MO	
b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best esti- mate) the discharge will begin.	202b	90 7 YR MO	
c. Discharge to End Date If dis- charge is scheduled to be discon- tinued within the next 5 years, give the date (within best esti- mate) the discharge will end.	202c	continuing YR MO	
3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)	201	<input checked="" type="checkbox"/>	
4. Discharge Location Name the political boundaries within which the point of discharge is located.			Agency Use
State	204a	California	204d
County	204b	Los Angeles	204e
(If applicable) City or Town	204c	Los Angeles	204f
5. Discharge Point Description Discharge is into (check one); (see instructions)			
Stream (includes ditches, arroyos, and other intermittent watercourses)	205a	<input type="checkbox"/> STR	
Lake		<input type="checkbox"/> LKE	
Ocean		<input type="checkbox"/> OCE	
Municipal Sanitary Wastewater Transport System		<input type="checkbox"/> MTS	
Municipal Combined Sanitary and Storm Transport System		<input type="checkbox"/> MCS	

DISCHARGE SERIAL NUMBER

020

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

- STS
- WEL
- OTH

If 'Other' is checked, specify

6. Discharge Point - Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

Longitude

206a 34 DEC 2 MIN 30 SEC
 206b 118 DEC 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shore line or is below the mean low water line, complete item 8.

For Agency Use			For Agency Use	
Major	Minor	Sub	303e	

8. Offshore Discharge

a. Discharge Distance from Shore

b. Discharge Depth Below Water Surface

208a _____ feet
 208b _____ feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

c. Discharge Occurrence - Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209a (con) Continuous
 (int) Intermittent
 209b 2 days per week
 209c JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete items 10 and 11 if "intermittent" is checked in item 9.a. otherwise, proceed to item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210 N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211a N/A hours per day
 211b _____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum

212 From 10 to 5
month month

DISCHARGE SERIAL NUMBER

020

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

Activity Description Give a narrative description of activity causing this discharge. (see instructions)

213a

Piped discharges to stormdrains
between 3rd and 4th St. along Santa Fe St.
west of the Los Angeles River.

Activities include collection/treatment of
seepage, stormwater inflow, washdown, and
equipment drainage

Not applicable, Operation activities associated
with Rapid Transit System

Activity Causing Discharge For each activity, causing this discharge, specify the type and maximum amount of either the raw material consumed (item 14a) or the product produced (item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production. (see instructions)

1. Raw Materials Not Applicable

14a	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
	(1)	(2)	(3)	(4)	(5)

2. Products

14b	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
	(1)	(2)	(3)	(4)	(5)

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

020

FOR AGENCY USE

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for (see instructions). In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	66,900	0	66,900	0	1.1MGD	Annual	1	
pH Units 00400	7.0		X	6.0	8.0			
Temperature (winter) ° F 74028	ND		+ 2° c	+ 2° c	+ 2° c			
Temperature (summer) ° F 74027	ND		+ 2° c	+ 2° c	+ 2° c			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers). (see instructions)

DISCHARGE SERIAL NUMBER
020

FOR AGENCY USE					

17. (Cont'd.)

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Annual	1	

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

219a

b. Name and address of manufacturer

219b

c. Quantity (pounds added per million gallons of water treated).

219c

APS

ALM

N/A

DISCHARGE SERIAL NUMBER

020

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

Boiler Blowdown

Boiler Chemical Cleaning

Ash Pond Overflow

Boiler Water Treatment — Evaporator Blowdown

Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices

Condense Cooling Water

Cooling Tower Blowdown

Manufacturing Process

Other

220

N/A

 SLBD BCCL APOF EPBO OCFP COND CTBD MFPR OTHR

21. Discharge/Receiving Water Temperature Difference

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

222

_____ °F./hour N/A

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

24. Water Intake Velocity (see instructions)

224

_____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

FOR AGENCY USE									

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300			
301a	0	2	0

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

N/A

- Locally developed plan
- Areawide Plan
- Basic Plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan.
- Federal enforcement procedure or action
- State court order
- Federal court order

301b	<input type="checkbox"/> LOC
	<input type="checkbox"/> ARE
	<input type="checkbox"/> BAS
	<input type="checkbox"/> SGS
	<input type="checkbox"/> WQS
	<input type="checkbox"/> ENF
	<input type="checkbox"/> CRT
	<input type="checkbox"/> FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

301c	3-character (general)	
301d	6-character (specific) (see Table II)	

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE					

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps	2. Schedule (Yr./Mo./Day)	3. Actual Completion (Yr./Mo./Day)
a. Preliminary plan complete	302a	303a
b. Final plan submission	302b	303b
c. Final plan complete	302c	303c
d. Financing complete & contract awarded	302d	303d
e. Site acquired	302e	303e
f. Begin action (e.g., construction)	302f	303f
g. End action (e.g., construction)	302g	303g
h. Discharge Began	302h	303h
i. Operational level attained	302i	303i

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate "NA."

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	Southern California Rapid Transit District	
2. Mailing Address of Applicant (see instructions) Number & Street	102a	425 South Main Street	
City	102b	Los Angeles	
State	102c	CA	
Zip Code	102d	90013	
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams)	
Number & Street Address	103b	Parsons, Dillingham Construction & De Leuw Cather 600 South Spring Street, Suite 1200	
City	103c	Los Angeles	
State	103d	CA	
Zip Code	103e	90014	
Telephone	103f	213	489-6941
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	Area Code	Number
		N/A	
		YR	MO DAY

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

J.E. Crawley

Signature of Applicant or Authorized Agent

Director of Engineering
Transit Facilities

Title

12/10/81

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

Received _____
YR MO DAY

OFFICE: _____ EPA Region Number
_____ State

FOR AGENCY USE

Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharges do or will occur.

Name

105j

North Yard Storm Drain 2nd/Santa Fe St.

Southern California Rapid Transit District

Los Angeles

Ownership (Public, Private or Both Public and Private)

105b

PUB PRV SPP

Check Block If Federal Facility and give GSA Inventory Control Number

105c

FED

105d

Location

Street & Number

105e

2nd and Santa Fe St.

City

105f

Los Angeles

County

105g

Los Angeles

State

105h

California

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

Operation of Rapid Transit System

AGENCY USE

106b

7. Facility Intake Water (see instructions) Indicate water intake volume per day by source. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

0

thousand gallons per day

Surface water

107b

236.3

thousand gallons per day

Groundwater

107c

0

thousand gallons per day

Other*

107d

0

thousand gallons per day

Total Item 7

107e

236.3

thousand gallons per day

*If there is intake water from "other," specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0

thousand gallons per day

Boiler feed water

108b

0

thousand gallons per day

Process water (including contact cooling water)

108c

0

thousand gallons per day

Sanitary water

108d

0

thousand gallons per day

Other*

108e

0

thousand gallons per day

Total Item 8

108f

0

thousand gallons per day

*If there are discharges to "other," specify.

108g

Equipment water supply and washdown

If there is "Sanitary" water use, give the number of people served.

108h

0

people served

FOR AGENCY USE									

9. All Facility Discharges and other Losses: Number and Discharge (see Instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

		Number of Discharge Points		Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	109a1	0	109a2	0
Sanitary wastewater transport system	109b1	0	109b2	0
Storm water transport system	109c1	1	109c2	236.3
Combined sanitary and storm water transport system	109d1	0	109d2	0
Surface impoundment with no effluent	109e1	0	109e2	0
Underground percolation	109f1	0	109f2	0
Well Injection	109g1	0	109g2	0
Waste acceptance firm	109h1	0	109h2	0
Evaporation	109i1	0	109i2	0
Consumption	109j1	0	109j2	0
Other*	109k1	0	109k2	0
Facility discharges and volume Total Item 9.	109l1	1	109l2	236.3
*If there are discharges to "other," specify.	109m1			

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles				-	-	-	-
2. County of Los Angeles							
3.							

11. Maps and Drawings
Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information
7/8/9	See Attachment B

FOR AGENCY USE									

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

<p>1. Discharge Serial No. and Name</p> <p>a. Discharge Serial No. (see instructions)</p> <p>b. Discharge Name Give name of discharge, if any. (see instructions)</p> <p>c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.</p>	<p>201a <u>021</u></p> <p>201b <u>North Yard Storm Drains, A-112, 2nd/Santa Fe St. Operations</u></p> <p>201c <u>-</u></p>
<p>2. Discharge Operating Dates</p> <p>a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.</p> <p>b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.</p> <p>c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.</p>	<p>202a <u>- -</u> YR MO</p> <p>202b <u>90 7</u> YR MO</p> <p>202c <u>continuing</u> YR MO</p>
<p>3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)</p>	<p>203 <input checked="" type="checkbox"/></p>
<p>4. Discharge Location Name the political boundaries within which the point of discharge is located.</p> <p>State</p> <p>County</p> <p>(if applicable) City or Town</p>	<p>204a <u>California</u></p> <p>204b <u>Los Angeles</u></p> <p>204c <u>Los Angeles</u></p>
<p>5. Discharge Point Description Discharge is into (check one): (see instructions)</p> <p>Stream (includes ditches, arroyos, and other intermittent watercourses)</p> <p>Lake</p> <p>Ocean</p> <p>Municipal Sanitary Wastewater Transport System</p> <p>Municipal Combined Sanitary and Storm Transport System</p>	<p>205a <input type="checkbox"/> STR</p> <p><input type="checkbox"/> LKE</p> <p><input type="checkbox"/> OCE</p> <p><input type="checkbox"/> MTS</p> <p><input type="checkbox"/> MCS</p>

Agency Use

204d	
204e	
204f	

DISCHARGE SERIAL NUMBER

021

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

If 'Other' is checked, specify

STS

WEL

OTH

6. Discharge Point - Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

206a 34 DEG 2 MIN 30 SEC

Longitude

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

208a _____ feet

b. Discharge Depth Below Water Surface

208b _____ feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

209a (con) Continuous

(int) Intermittent

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

209b 7 days per week

c. Discharge Occurrence - Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209c JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete Items 10 and 11 if "intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12:

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210 N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

211a N/A hours per day

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211b _____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum

212 From 10 to 5
month month

DISCHARGE SERIAL NUMBER

021

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE

Activity Description Give a narrative description of activity producing this discharge. (see instructions)

213a

Piped discharges to stormdrains
between 2nd and 3rd on Santa Fe St.
west of the Los Angeles River.

Activities include collection/treatment of
seepage, stormwater inflow, washdown, and
equipment drainage

Not applicable, Operation activities associated
with Rapid Transit System

Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production. (see instructions)

14. Raw Materials Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
14a	(1)	(2)	(3)	(4)	(5)

Products

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
14b	(1)	(2)	(3)	(4)	(5)

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00030		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

021

FOR AGENCY USE

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for (see instructions). In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16; ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 00217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	236,300	0	236,300	0	3.75MGD	Annual	1	
pH Units 00400	7.0		X	6.0	8.0			
Temperature (winter) ° F 74028	ND		+ 2° c	+ 2° c	+ 2° c			
Temperature (summer) ° F 74027	ND		+ 2° c	+ 2° c	+ 2° c			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers).(see instructions)

DISCHARGE SERIAL NUMBER
021

FOR AGENCY USE

17. (Cont'd.)

Parameter and Code 437a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Annual		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218
219a
219b
219c

APS

ALM

N/A

021

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete Items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLSD
- BCCL
- APOF
- EPBD
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence)

N/A

In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

24. Water Intake Velocity (see instructions)

224

_____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

FOR AGENCY USE									

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300	
301a	0 2 1

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

N/A

- Locally developed plan
- Areawide Plan
- Basic Plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan.
- Federal enforcement procedure or action
- State court order
- Federal court order

301b	<input type="checkbox"/> LOC
	<input type="checkbox"/> ARE
	<input type="checkbox"/> BAS
	<input type="checkbox"/> SQS
	<input type="checkbox"/> WQS
	<input type="checkbox"/> ENF
	<input type="checkbox"/> CRT
	<input type="checkbox"/> FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

301c	3-character (general)	
301d	6-character (specific) (see Table II)	

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE									

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps	2. Schedule (Yr./Mo./Day)		3. Actual Completion (Yr./Mo./Day)	
a. Preliminary plan complete	302a	____/____/____	303a	____/____/____
b. Final plan submission	302b	____/____/____	303b	____/____/____
c. Final plan complete	302c	____/____/____	303c	____/____/____
d. Financing complete & contract awarded	302d	____/____/____	303d	____/____/____
e. Site acquired	302e	____/____/____	303e	____/____/____
f. Begin action (e.g., construction)	302f	____/____/____	303f	____/____/____
g. End action (e.g., construction)	302g	____/____/____	303g	____/____/____
h. Discharge Began	302h	____/____/____	303h	____/____/____
i. Operational level attained	302i	____/____/____	303i	____/____/____

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'N/A.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>
City	102b	<u>Los Angeles</u>
State	102c	<u>CA</u>
Zip Code	102d	<u>90013</u>
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>
City	103c	<u>Los Angeles</u>
State	103d	<u>CA</u>
Zip Code	103e	<u>90014</u>
Telephone	103f	<u>213</u> <u>489-6941</u> Area Number Code
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

J.E. Crawley

Signature of Applicant or Authorized Agent

Director of Engineering
Transit Facilities

Title

11/14/85

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

Received _____
YR MO DAY

OFFICE: _____ EPA Region Number
_____ State

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

FOR AGENCY USE									

Name

105a East Portal Storm Drain A-130, Commercial/Center St.
Southern California Rapid Transit District
Los Angeles

Ownership (Public, Private or Both Public and Private)

105b PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

105c FED

Location Street & Number

105e East of Commercial/Center St.

City

105f Los Angeles

County

105g Los Angeles

State

105h California

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a Operation of Rapid Transit System

106b AGENCY USE

7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a 0 thousand gallons per day

Surface water

107b 24.8 thousand gallons per day

Groundwater

107c 0 thousand gallons per day

Other

107d 0 thousand gallons per day

Total Item 7

107e 24.8 thousand gallons per day

If there is intake water from 'other,' specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a 0 thousand gallons per day

Boiler feed water

108b 0 thousand gallons per day

Process water (including contact cooling water)

108c 0 thousand gallons per day

Sanitary water

108d 0 thousand gallons per day

Other

108e 0 thousand gallons per day

Total Item 8

108f 0 thousand gallons per day

If there are discharges to 'other,' specify.

108g Equipment water supply and washdown

If there is 'Sanitary' water use, give the number of people served.

108h _____ people served

FOR AGENCY USE									

3. All Facility Discharges and other Losses: Number and Discharge (see instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	0	0
Storm water transport system	1	24.8
Combined sanitary and storm water transport system	0	0
Surface impoundment with no effluent	0	0
Underground percolation	0	0
Well Injection	0	0
Waste acceptance firm	0	0
Evaporation	0	0
Consumption	0	0
Other*	0	0
Facility discharges and volume Total Item 3.	1	24.8

*If there are discharges to 'other,' specify.

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
City of Los Angeles							
County of Los Angeles							

11. Maps and Drawings
Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information
7/8/9	See Attachment A

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE									

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

<p>1. Discharge Serial No. and Name</p> <p>a. Discharge Serial No. (see instructions)</p> <p>b. Discharge Name Give name of discharge, if any. (see instructions)</p> <p>c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 1, Section I), provide previous discharge serial number.</p>	<p>201a <u>022</u></p> <p>201b <u>East Portal Storm Drain, Commercial/Center St. Operations</u></p> <p>201c <u>-</u></p>									
<p>2. Discharge Operating Dates</p> <p>a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.</p> <p>b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.</p> <p>c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.</p>	<p>202a <u>- -</u> YR MO</p> <p>202b <u>90 7</u> YR MO</p> <p>202c <u>continuing</u> YR MO</p>									
<p>3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)</p>	<p>203 <input checked="" type="checkbox"/></p>									
<p>4. Discharge Location Name the political boundaries within which the point of discharge is located.</p> <p>State</p> <p>County</p> <p>(if applicable) City or Town</p>	<p>204a <u>California</u></p> <p>204b <u>Los Angeles</u></p> <p>204c <u>Los Angeles</u></p>	<table border="1"> <tr> <td>Agency Use</td> <td> </td> </tr> <tr> <td>204d</td> <td> </td> </tr> <tr> <td>204e</td> <td> </td> </tr> <tr> <td>204f</td> <td> </td> </tr> </table>	Agency Use		204d		204e		204f	
Agency Use										
204d										
204e										
204f										
<p>5. Discharge Point Description Discharge is into (check one): (see instructions)</p> <p>Stream (includes ditches, arroyos, and other intermittent watercourses)</p> <p>Lake</p> <p>Ocean</p> <p>Municipal Sanitary Wastewater Transport System</p> <p>Municipal Combined Sanitary and Storm Transport System</p>	<p>205a <input type="checkbox"/> STR</p> <p><input type="checkbox"/> LKE</p> <p><input type="checkbox"/> OCE</p> <p><input type="checkbox"/> MTS</p> <p><input type="checkbox"/> MCS</p>									

DISCHARGE SERIAL NUMBER

022

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

If "other" is checked, specify

STS

WEL

OTH

6. Discharge Point — Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

Longitude

205b

206a

206b

34 DEG 2 MIN 30 SEC

118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge.(see instructions)

207a

Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

b. Discharge Depth Below Water Surface

207b

208a

208b

For Agency Use		
Major	Minor	Sub

207c

For Agency Use	
303e	

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

b. Discharge Occurrence Days Per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

c. Discharge Occurrence —Months If this discharge normally operates (either intermittently or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209a

209b

209c

(con) Continuous

(int) Intermittent

7 days per week

JAN FEB MAR APR

MAY JUN JUL AUG

SEP OCT NOV DEC

Complete Items 10 and 11 if "intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12:

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210

N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211a

211b

N/A hours per day

_____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum

212

From 10 month to 5 month

FOR AGENCY USE									

Activity Description Give a narrative description of activity producing this discharge. (see instructions)

213a

Piped discharges to stormdrains
east of Commercial and Center St.
west of the Los Angeles River.

Activities include collection/treatment of
seepage, stormwater inflow, washdown, and
equipment drainage

Not applicable, Operation activities associated
with Rapid Transit System

Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production. (see instructions)

a. Raw Materials **Not Applicable**

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
14a				

b. Products

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
14b				

022

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each Constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00050		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Alcicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenois 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

022

FOR AGENCY USE									

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (See instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	24,800	0	24,800	0	393,200	Annual	1	
pH Units 00400	7.0		X	6.0	8.0			
Temperature (winter) °F 74028	ND		+ 2°c	+ 2°c	+ 2°c			
Temperature (summer) °F 74027	ND		+ 2°c	+ 2°c	+ 2°c			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers),(see instructions)

DISCHARGE SERIAL NUMBER

022

FOR AGENCY USE							

17. (Cont'd.)

Parameter and Code 277a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Annual	1	

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

219a

b. Name and address of manufacturer

219b

c. Quantity (pounds added per million gallons of water treated).

219c

- APS
- ALM

N/A

-218

DISCHARGE SERIAL NUMBER

022

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

220

N/A

- BLBO
- BCCL
- APOF
- EPBD
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

222

_____ °F./hour N/A

23. Water Temperature, Percentile Report (Frequency of Occurrence)

In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

N/A

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

24. Water Intake Velocity (see instructions)

224

_____ feet/sec

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

DISCHARGE SERIAL NUMBER

022

FOR AGENCY USE									

26. Additional Information

226

Item

Information

See Attachment B

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

Locally developed plan

Areawide Plan

Basic Plan

State approved implementation schedule

Federal approved water quality standards implementation plan.

Federal enforcement procedure or action

State court order

Federal court order

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

300
301a
301b
301c
301d

0 2 2

N/A

LOC

ARE

BAS

SQS

WQS

ENF

CRT

FED

3-character (general)

6-character (specific) (see Table II)

FOR AGENCY USE	
SCHED. NO.	

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE					

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

2. Schedule (Yr./Mo./Day)

3. Actual Completion (Yr./Mo./Day)

a. Preliminary plan complete

302a

____/____/____

303a

____/____/____

b. Final plan submission

302b

____/____/____

303b

____/____/____

c. Final plan complete

302c

____/____/____

303c

____/____/____

d. Financing complete & contract awarded

302d

____/____/____

303d

____/____/____

e. Site acquired

302e

____/____/____

303e

____/____/____

f. Begin action (e.g., construction)

302f

____/____/____

303f

____/____/____

g. End action (e.g., construction)

302g

____/____/____

303g

____/____/____

h. Discharge Began

302h

____/____/____

303h

____/____/____

i. Operational level attained

302i

____/____/____

303i

____/____/____

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'NA.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>	
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>	
City	102b	<u>Los Angeles</u>	
State	102c	<u>CA</u>	
Zip Code	102d	<u>90013</u>	
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u>	
Number & Street Address	103b	<u>Parsons, Dillingham Construction & De Leuw Cather</u> <u>600 South Spring Street, Suite 1200</u>	
City	103c	<u>Los Angeles</u>	
State	103d	<u>CA</u>	
Zip Code	103e	<u>90014</u>	
Telephone	103f	<u>213</u>	<u>489-6941</u>
		Area Code	Number
4. Previous Application If a previous application for a National or Federal discharge permit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY	

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Director of Engineering
Transit Facilities

Printed Name of Person Signing

Signature of Applicant or Authorized Agent

102g

102f

Title

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

OFFICE: _____ EPA Region Number
_____ State

Received _____
YR MO DAY

FOR AGENCY USE									

3. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name

103a East Junction Storm Drain, A-130, Keller/Center St.
Southern California Rapid Transit District
Los Angeles

Ownership (Public, Private or Both Public and Private)

103b PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

103c FED

Location

Street & Number

103e Keller/Center St.

City

103f Los Angeles

County

103g Los Angeles

State

103h California

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a Operation of Rapid Transit System

May not discharge until 1995.

106b AGENCY USE

--

7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a 0 thousand gallons per day

Surface water

107b _____ thousand gallons per day

Groundwater

107c 0 thousand gallons per day

Other

107d 0 thousand gallons per day

Total Item 7

107e _____ thousand gallons per day

*If there is intake water from 'other,' specify the source.

107f _____

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a 0 thousand gallons per day

Boiler feed water

108b 0 thousand gallons per day

Process water (including contact cooling water)

108c 0 thousand gallons per day

Sanitary water

108d 0 thousand gallons per day

Other

108e 0 thousand gallons per day

Total Item 8

108f 0 thousand gallons per day

*If there are discharges to 'other,' specify.

108g Equipment water supply and washdown

If there is 'Sanitary' water use, give the number of people served.

108h 0 people served

FOR AGENCY USE									

9. All Facility Discharges and other Losses: Number and Discharge (see Instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	0	0
Storm water transport system	1	-
Combined sanitary and storm water transport system	0	0
Surface impoundment with no effluent	0	0
Underground percolation	0	0
Well injection	0	0
Waste acceptance firm	0	0
Evaporation	0	0
Consumption	0	0
Other*	0	0
Facility discharges and volume Total Item 9.	1	-
*If there are discharges to "other," specify.	109m1	-

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles				-	-	-	-
2. County of Los Angeles				-	-	-	-
3.							

11. Maps and Drawings
Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information
7/8/9	See Attachment A

FOR AGENCY USE				

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

<p>1. Discharge Serial No. and Name</p> <p>a. Discharge Serial No. (see instructions)</p> <p>b. Discharge Name Give name of discharge, if any. (see instructions)</p> <p>c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.</p>	<p>201a <u>023</u></p> <p>201b <u>East Junction Storm Drains, Keller/Center St. Operations</u></p> <p>201c <u>-</u></p>	
<p>2. Discharge Operating Dates</p> <p>a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.</p> <p>b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.</p> <p>c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.</p>	<p>202a <u>- -</u> YR MO</p> <p>202b <u>90 7</u> YR MO</p> <p>202c <u>continuing</u> YR MO</p>	
<p>3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)</p>	<p>203 <input checked="" type="checkbox"/></p>	
<p>4. Discharge Location Name the political boundaries within which the point of discharge is located.</p> <p>State</p> <p>County</p> <p>(if applicable) City or Town</p>	<p>204a <u>California</u></p> <p>204b <u>Los Angeles</u></p> <p>204c <u>Los Angeles</u></p>	<p>Agency Use</p> <p>204d _____</p> <p>204e _____</p> <p>204f _____</p>
<p>5. Discharge Point Description Discharge is into (check one); (see instructions)</p> <p>Stream (includes ditches, arroyos, and other intermittent watercourses)</p> <p>Lake</p> <p>Ocean</p> <p>Municipal Sanitary Wastewater Transport System</p> <p>Municipal Combined Sanitary and Storm Transport System</p>	<p>205a <input type="checkbox"/> STR</p> <p><input type="checkbox"/> LKE</p> <p><input type="checkbox"/> OCE</p> <p><input type="checkbox"/> MTS</p> <p><input type="checkbox"/> MCS</p>	

DISCHARGE SERIAL NUMBER

023

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

STS

WEL

DTH

If 'Other' is checked, specify

6. Discharge Point - Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

206a 34 DEG 2 MIN 30 SEC

Longitude

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

208a _____ feet

b. Discharge Depth Below Water Surface

208b _____ feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

209a (con) Continuous

(int) Intermittent

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

209b 7 days per week

c. Discharge Occurrence - Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209c JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete Items 10 and 11 if "Intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210 N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

211a N/A hours per day

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211b _____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum

212 From 10 to 5
month month

DISCHARGE SERIAL NUMBER

023

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

Activity Description Give a narrative description of activity producing this discharge.(see instructions)

213a

Piped discharges to stormdrains between Center, Keller and Santa Ana Freeway west of the Los Angeles River.

Activities include collection/treatment of seepage, stormwater inflow, washdown, and equipment drainage

Not applicable, Operation activities associated with Rapid Transit System

Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, specify the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material production units normally used in measuring production.(see instructions)

Raw Materials Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)

Products

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)

023

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter :216	Present	Parameter :216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

023

FOR AGENCY USE

--	--	--	--	--	--	--	--	--

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chloride (residual).

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value (Observed or Expected During Discharge Activity) (4)	Maximum Value (Observed or Expected During Discharge Activity) (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	-	0	-	0		Annual	1	
pH Units 00400	7.0		X	6.0	8.0			
Temperature (winter) ° F 74028	ND		+ 2° C	+ 2° C	+ 2° C			
Temperature (summer) ° F 74027	ND		+ 2° C	+ 2° C	+ 2° C			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers),(see instructions)

DISCHARGE SERIAL NUMBER
023

FOR AGENCY USE							

17. (Cont'd.)

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Annual		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

218
219a
219b
219c

APS

ALM

N/A

023

FOR AGENCY USE

FOR AGENCY USE									

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBD
- BCCL
- APDF
- EPBD
- OCFP
- COND
- CTBD
- MFPR
- DTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

223

N/A

Frequency of occurrence

- a. Intake Water Temperature (Subject to natural changes)
- b. Discharge Water Temperature

223a

223b

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

24. Water Intake Velocity (see instructions)

224

_____ feet/sec

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

308			
301a	0	2	3

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

N/A

Locally developed plan

301b LOC

Areawide Plan

ARE

Basic Plan

BAS

State approved implementation schedule

SQS

Federal approved water quality standards implementation plan.

WQS

Federal enforcement procedure or action

ENF

State court order

CRT

Federal court order

FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

3-character (general)

301c

6-character (specific) (see Table II)

301d

- New Facility
- Modification (no increase in capacity or treatment)
- Increase in Capacity
- Increase in Treatment Level
- Both Increase in Treatment Level and Capacity
- Process Change
- Elimination of Discharge

- NEW
- MOD
- INC
- INT
- ICT
- PRO
- ELI

FOR AGENCY USE

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps	2. Schedule (Yr./Mo./Day)	3. Actual Completion (Yr./Mo./Day)
a. Preliminary plan complete	302a	303a
b. Final plan submission	302b	303b
c. Final plan complete	302c	303c
d. Financing complete & contract awarded	302d	303d
e. Site acquired	302e	303e
f. Begin action (e.g., construction)	302f	303f
g. End action (e.g., construction)	302g	303g
h. Discharge Began	302h	303h
i. Operational level attained	302i	303i

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'N/A.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	Southern California Rapid Transit District	
2. Mailing Address of Applicant (see instructions) Number & Street	102a	425 South Main Street	
City	102b	Los Angeles	
State	102c	CA	
Zip Code	102d	90013	
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams)	
Number & Street Address	103b	Parsons, Dillingham Construction & De Leuw Cather 600 South Spring Street, Suite 1200	
City	103c	Los Angeles	
State	103d	CA	
Zip Code	103e	90014	
Telephone	103f	213	489-6941
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	Area Code	Number
		N/A	
		YR MO DAY	

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing



Signature of Applicant or Authorized Agent

Director of Engineering
 Transit Facilities

Title

10/14/85

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

OFFICE: _____ EPA Region Number

_____ State

Received: _____
 YR MO DAY

FOR AGENCY USE									

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name

Tunnel Drain, Al41 Main/Macy St

Ownership (Public, Private or Both Public and Private)

105a

Southern California Rapid Transit District

Check block if Federal Facility and give GSA Inventory Control Number

105b

PUB PRV BPP

Location

Street & Number

105c

FED

City

County

State

105d

105e

Main and Macy Street

105f

Los Angeles

105g

Los Angeles

105h

California

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

Operation of Rapid Transit System

106b

AGENCY USE

7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

Surface water

Groundwater

Other*

Total Item 7

*If there is intake water from "other," specify the source.

107a

0 thousand gallons per day

107b

0.3 thousand gallons per day

107c

0 thousand gallons per day

107d

0 thousand gallons per day

107e

0.3 thousand gallons per day

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

Boiler feed water

Process water (including contact cooling water)

Sanitary water

Other*

Total Item 8

*If there are discharges to "other," specify.

If there is "Sanitary" water use, give the number of people served.

108a

0 thousand gallons per day

108b

0 thousand gallons per day

108c

0 thousand gallons per day

108d

0 thousand gallons per day

108e

0 thousand gallons per day

108f

0 thousand gallons per day

108g

0 thousand gallons per day

108h

Equipment water supply and washdown

108h

0 people served

FOR AGENCY USE									

9. All Facility Discharges and other Losses: Number and Discharge (see Instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

		Number of Discharge Points		Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	103a1	0	103a2	0
Sanitary wastewater transport system	103b1	0	103b2	0
Storm water transport system	103c1	1	103c2	0.3
Combined sanitary and storm water transport system	103d1	0	103d2	0
Surface impoundment with no effluent	103e1	0	103e2	0
Underground percolation	103f1	0	103f2	0
Well injection	103g1	0	103g2	0
Waste acceptance firm	103h1	0	103h2	0
Evaporation	103i1	0	103i2	0
Consumption	103j1	0	103j2	0
Other*	103k1	0	103k2	0
Facility discharges and volume Total Item 9.	103l1	1	103l2	0.3

*If there are discharges to "other," specify.

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles				-	-	-	-
2. County of Los Angeles				-	-	-	-
3.							

11. Maps and Drawings
Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information
7/8/9	See Attachment A

FOR AGENCY USE				

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

<p>1. Discharge Serial No. and Name</p> <p>a. Discharge Serial No. (see instructions)</p> <p>b. Discharge Name Give name of discharge, if any. (see instructions)</p> <p>c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previ- ous discharge serial number.</p> <p>2. Discharge Operating Dates</p> <p>a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.</p> <p>b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best esti- mate) the discharge will begin.</p> <p>c. Discharge to End Date If dis- charge is scheduled to be discon- tinued within the next 5 years, give the date (within best esti- mate) the discharge will end.</p> <p>3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)</p> <p>4. Discharge Location Name the political boundaries within which the point of discharge is located.</p> <p>State</p> <p>County</p> <p>(if applicable) City or Town</p> <p>5. Discharge Point Description Discharge is into (Check one): (see instructions)</p> <p>Stream (includes ditches, arroyos, and other intermittent watercourses)</p> <p>Lake</p> <p>Ocean</p> <p>Municipal Sanitary Wastewater Transport System</p> <p>Municipal Combined Sanitary and Storm Transport System</p>	<p>201a <u>024</u></p> <p>201b <u>Drain, Union Station Tunnel, Al41, Main/Macy St. Operations</u></p> <p>201c <u> </u></p> <p>202a <u> </u> YR MO</p> <p>202b <u>90 7</u> YR MO</p> <p>202c <u>continuing</u> YR MO</p> <p>203 <input type="checkbox"/></p> <p>204a <u>California</u></p> <p>204b <u>Los Angeles</u></p> <p>204c <u>Los Angeles</u></p> <p>205a <input type="checkbox"/>STR <input type="checkbox"/>LKE <input type="checkbox"/>OCE <input type="checkbox"/>MTS <input type="checkbox"/>MCS</p>	<table border="1"> <thead> <tr> <th colspan="2">Agency Use</th> </tr> </thead> <tbody> <tr> <td>204d</td> <td> </td> </tr> <tr> <td>204e</td> <td> </td> </tr> <tr> <td>204f</td> <td> </td> </tr> </tbody> </table>	Agency Use		204d		204e		204f	
Agency Use										
204d										
204e										
204f										

DISCHARGE SERIAL NUMBER

024

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

STS

WEL

OTH

If 'Other' is checked, specify

6. Discharge Point - Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

Longitude

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

b. Discharge Depth Below Water Surface

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

c. Discharge Occurrence - Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

Complete Items 10 and 11 if "intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

12. Maximum Flow Period Give the time period in which the maximum

205b

206a

206b

207a

207b

208a

208b

209a

209b

209c

210

211a

211b

212

34 DEC 2 MIN 30 SEC

118 DEC 15 MIN 00 SEC

Storm Drain to Los Angeles River

For Agency Use			For Agency Use	
Major	Minor	Sub	207c	303e

_____ feet

_____ feet

(con) Continuous

(int) Intermittent

7 days per week

JAN FEB MAR APR

MAY JUN JUL AUG

SEP OCT NOV DEC

N/A thousand gallons per discharge occurrence.

N/A hours per day

_____ discharge occurrences per day

From 10 to 5 month month

DISCHARGE SERIAL NUMBER

024

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

Activity Description Give a
detailed description of activity
causing this discharge.(see
instructions)

213a

Piped discharges to stormdrains from tunnel
at Main/Macy
west of the Los Angeles River.

Activities include collection/treatment of
seepage, stormwater inflow, washdown, and
equipment drainage

Not applicable, Operation activities associated
with Rapid Transit System

Activity Causing Discharge For
each SIC Code which describes
activity causing this discharge,
state the type and maximum
amount of either the raw material
consumed (Item 14a) or the product
produced (Item 14b) in the units
specified in Table I of the Instruc-
tion Booklet. For SIC Codes not
listed in Table I, use raw material
production units normally used
in measuring production.(see
instructions)

Raw Materials

Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)

Products

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

024

FOR AGENCY USE

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (See instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent		Effluent					
	Unretreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	300	0	300	0	300	Annual	1	
pH Units 00400	7.0		X	6.0	8.0			
Temperature (winter) ° F 74028	ND		+ 2° c	+ 2° c	+ 2° c			
Temperature (summer) ° F 74027	ND		+ 2° c	+ 2° c	+ 2° c			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD)* mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers). (see instructions)

DISCHARGE SERIAL NUMBER
024

FOR AGENCY USE			

17. (Cont'd.)

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Annual	1	

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218
219a
219b
219c

- APS
- ALM

N/A

DISCHARGE SERIAL NUMBER

024

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

Boiler Blowdown

 BLBD

Boiler Chemical Cleaning

 BCCL

Ash Pond Overflow

 APOF

Boiler Water Treatment — Evaporator Blowdown

 EPBD

Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices

 OCFP

Condense Cooling Water

 COND

Cooling Tower Blowdown

 CTBD

Manufacturing Process

 MFPR

Other

 OTHR

21. Discharge/Receiving Water Temperature Difference

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

°F.

Winter

221b

°F.

22. Discharge Temperature, Rate of Change Per Hour

222

°F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

N/A

Frequency of occurrence

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

	10%	5%	1%	Maximum
a. Intake Water Temperature (Subject to natural changes)	°F	°F	°F	°F
b. Discharge Water Temperature	°F	°F	°F	°F

24. Water Intake Velocity (see instructions)

224

feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

minutes

N/A

DISCHARGE SERIAL NUMBER

024

FOR AGENCY USE									

26. Additional Information

226

Item

Information

See Attachment B

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

0	2	4
---	---	---

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

N/A

- Locally developed plan
- Areawide Plan
- Basic Plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan.
- Federal enforcement procedure or action
- State court order
- Federal court order

- LOC
- ARE
- BAS
- SQS
- WQS
- ENF
- CRT
- FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

300

301a

301b

301c

301d

3-character (general)

6-character (specific) (see Table II)

- New Facility
- Modification (no increase in capacity or treatment)
- Increase in Capacity
- Increase in Treatment Level
- Both Increase in Treatment Level and Capacity
- Process Change
- Elimination of Discharge

- NEW
- MOD
- INC
- INT
- ICT
- PRO
- ELI

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

2. Schedule (Yr./Mo./Day)

3. Actual Completion (Yr./Mo./Day)

a. Preliminary plan complete

302a / /

303a / /

b. Final plan submission

302b / /

303b / /

c. Final plan complete

302c / /

303c / /

d. Financing complete & contract awarded

302d / /

303d / /

e. Site acquired

302e / /

303e / /

f. Begin action (e.g., construction)

302f / /

303f / /

g. End action (e.g., construction)

302g / /

303g / /

h. Discharge Began

302h / /

303h / /

i. Operational level attained

302i / /

303i / /

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate "N/A."

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>
City	102b	<u>Los Angeles</u>
State	102c	<u>CA</u>
Zip Code	102d	<u>90013</u>
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>
City	103c	<u>Los Angeles</u>
State	103d	<u>CA</u>
Zip Code	103e	<u>90014</u>
Telephone	103f	<u>213</u> <u>489-6941</u>
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

J.E. Crawley

Signature of Applicant or Authorized Agent

Director of Engineering
Transit Facilities

Title

11/14/85

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

OFFICE: _____ EPA Region Number

_____ State

Received _____
YR MO DAY

FOR AGENCY USE									

Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharges occur or will occur.

Name

103a Tunnel Drain A146, 6-7th/Olive - Hill
Southern California Rapid Transit District
Los Angeles

Ownership (Public, Private or Both Public and Private)

103b PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

103c FED

103d

Location Street & Number

103e

Between 6th-7th, and Olive-Hill

City

103f

Los Angeles

County

103g

Los Angeles

State

103h

California

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

Operation of Rapid Transit System

106b

AGENCY USE

7. Facility Intake Water (see instructions) Indicate water intake volume per day by source. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

0

thousand gallons per day

Surface water

107b

0.3

thousand gallons per day

Groundwater

107c

0

thousand gallons per day

Other

107d

0

thousand gallons per day

Total Item 7

107e

0.3

thousand gallons per day

If there is intake water from "other," specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0

thousand gallons per day

Boiler feed water

108b

0

thousand gallons per day

Process water (including contact cooling water)

108c

0

thousand gallons per day

Sanitary water

108d

0

thousand gallons per day

Other

108e

0

thousand gallons per day

Total Item 8

108f

0

thousand gallons per day

If there are discharges to "other," specify.

108g

Equipment water supply and washdown

If there is "Sanitary" water use, give the number of people served.

108h

0

people served

FOR AGENCY USE					

9. All Facility Discharges and other Losses: Number and Discharge (see instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	0	0
Storm water transport system	1	0.3
Combined sanitary and storm water transport system	0	0
Surface Impoundment with no effluent	0	0
Underground percolation	0	0
Well Injection	0	0
Waste acceptance firm	0	0
Evaporation	0	0
Consumption	0	0
Other*	0	0
Facility discharges and volume Total Item 9.	1	0.3
* If there are discharges to 'other,' specify.	109m1	

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/OA	Date Issued YR/MO/OA	Date Denied YR/MO/OA	Expiration Date YR/MO/OA
1. City of Los Angeles				-	-	-	-
County of Los Angeles				-	-	-	-
2.							
3.							

11. Maps and Drawings
Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information
7/8/9	See Attachment B

FOR AGENCY USE									

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name	201a	025		
a. Discharge Serial No. (see instructions)				
b. Discharge Name Give name of discharge, if any. (see instructions)	201b	Drain, A-146, 5th/Hill Tunnel, A-146, 6th/Olive Operations		
c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.	201c	-		
2. Discharge Operating Dates				
a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	202a	- - YR MO		
b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.	202b	90 7 YR MO		
c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.	202c	continuing YR MO		
3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)	203	<input checked="" type="checkbox"/>		
4. Discharge Location Name the political boundaries within which the point of discharge is located.				Agency Use
State	204a	California	204d	_____
County	204b	Los Angeles	204e	_____
(if applicable) City or Town	204c	Los Angeles	204f	_____
5. Discharge Point Description Discharge is into (check one); (see instructions)				
Stream (includes ditches, arroyos, and other intermittent watercourses)	205a	<input type="checkbox"/> STR		
Lake		<input type="checkbox"/> LKE		
Ocean		<input type="checkbox"/> OCE		
Municipal Sanitary Wastewater Transport System		<input type="checkbox"/> MTS		
Municipal Combined Sanitary and Storm Transport System		<input type="checkbox"/> MCS		

DISCHARGE SERIAL NUMBER

025

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

STS

WEL

OTH

If 'other' is checked, specify

6. Discharge Point - Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

Longitude

205b

206a 34 DEG 2 MIN 30 SEC

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207e

Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

b. Discharge Depth Below Water Surface

207b

For Agency Use			207c		For Agency Use	
Major	Minor	Sub			303e	

208a

_____ feet

208b

_____ feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

b. Discharge Occurrence Days Per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

c. Discharge Occurrence - Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209a

(con) Continuous
 (int) Intermittent

209b

7 days per week

209c

JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete items 10 and 11 if "intermittent" is checked in item 9.a. Otherwise, proceed to item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210

N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211a

N/A hours per day

211b

_____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum

212

From 10 to 5
month month

DISCHARGE SERIAL NUMBER
025

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE									

Activity Description Give a narrative description of activity producing this discharge.(see instructions)

213a

Piped discharges to stormdrains from tunnel between 6-7th and Olive/Hill west of the Los Angeles River.

Activities include collection/treatment of seepage, stormwater inflow, washdown, and equipment drainage

Not applicable, Operation activities associated with Rapid Transit System

Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, specify the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production.(see instructions)

1. Raw Materials Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
14a				

2. Products

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
14b				

DISCHARGE SERIAL NUMBER

025

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (See instructions)

Parameter Z16	Present	Parameter Z16	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Alcicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

FOR AGENCY USE									

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (See instructions)
 In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16:
 ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease,
 and chlorine (residual).

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	300	0	300	0	300	-	-	
pH Units 00400	7.0		X	6.0	8.0	-		
Temperature (winter) ° F 74028	ND		+ 2° c	+ 2° c	+ 2° c			
Temperature (summer) ° F 74027	ND		+ 2° c	+ 2° c	+ 2° c			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers). (see instructions)

DISCHARGE SERIAL NUMBER
025

FOR AGENCY USE				

17. (Cont'd.)

Parameter and Code 37a	Influent		Effluent					
	Untreated Inlake Water (Daily Average) (1)	In-Plant Treated Inlake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	1	1	1

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

-218
219a
219b
219c

- APS
- ALM

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

- a. Name of Material(s)
- b. Name and address of manufacturer
- c. Quantity (pounds added per million gallons of water treated).

N/A

025

FOR AGENCY USE									

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBD
- BCCL
- APOF
- EPBD
- OCFP
- CDNO
- CTBO
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence)

223

N/A

In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

- a. Intake Water Temperature (Subject to natural changes)
- b. Discharge Water Temperature

223a

223b

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

24. Water Intake Velocity (see instructions)

224

_____ feet/sec } N/A

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes }

DISCHARGE SERIAL NUMBER

025

FOR AGENCY USE									

26. Additional Information

226

Item

Information

See Attachment B

FOR AGENCY USE									

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements
- a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.
- b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)
- Locality developed plan
 Areawide Plan
 Basic Plan
 State approved implementation schedule
 Federal approved water quality standards implementation plan.
 Federal enforcement procedure or action
 State court order
 Federal court order
- c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

300	
301a	0 2 5
	N/A
301b	<input type="checkbox"/> LOC
	<input type="checkbox"/> ARE
	<input type="checkbox"/> BAS
	<input type="checkbox"/> SQS
	<input type="checkbox"/> WQS
	<input type="checkbox"/> ENF
	<input type="checkbox"/> CRT
	<input type="checkbox"/> FED
301c	3-character (general)
301d	6-character (specific) (see Table II)

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE											

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

2. Schedule (Yr./Mo./Day)

3. Actual Completion (Yr./Mo./Day)

a. Preliminary plan complete

302a / /

302a / /

b. Final plan submission

302b / /

302b / /

c. Final plan complete

302c / /

302c / /

d. Financing complete & contract awarded

302d / /

302d / /

e. Site acquired

302e / /

302e / /

f. Begin action (e.g., construction)

302f / /

302f / /

g. End action (e.g., construction)

302g / /

302g / /

h. Discharge Began

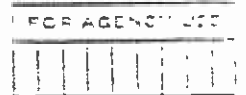
302h / /

302h / /

i. Operational level attained

302i / /

302i / /



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate "N/A."

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>
2. Mailing Address of Applicant (see instructions) Number & Street:	102a	<u>425 South Main Street</u>
City	102b	<u>Los Angeles</u>
State	102c	<u>CA</u>
ZIP Code	102d	<u>90013</u>
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>
City	103c	<u>Los Angeles</u>
State	103d	<u>CA</u>
Zip Code	103e	<u>90014</u>
Telephone	103f	<u>213</u> <u>489-6941</u> Area Code Number
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

Signature of Applicant or Authorized Agent

Director of Engineering
Transit Facilities

Title

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

Received _____
YR MO DAY

OFFICE: _____ EPA Region Number
_____ State

FOR AGENCY USE									

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name

105a

Tunnel drain, A-171, 7th/Harbor Fwy.

Southern California Rapid Transit District

Los Angeles

Ownership (Public, Private or Both Public and Private)

105b

PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

105c

FED

105d

Location

Street & Number

105e

7th St/Harbor Freeway

City

105f

Los Angeles

County

105g

Los Angeles

State

105h

California

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

Operation of Rapid Transit System

106b

AGENCY USE

7. Facility Intake water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

0 thousand gallons per day

Surface water

107b

0.4 thousand gallons per day

Groundwater

107c

0 thousand gallons per day

Other

107d

0 thousand gallons per day

Total Item 7

107e

0.4 thousand gallons per day

If there is intake water from 'other,' specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0 thousand gallons per day

Boiler feed water

108b

0 thousand gallons per day

Process water (including contact cooling water)

108c

0 thousand gallons per day

Sanitary water

108d

0 thousand gallons per day

Other

108e

0 thousand gallons per day

Total Item 8

108f

0 thousand gallons per day

If there are discharges to 'other,' specify.

108g

Equipment water supply and washdown

If there is 'Sanitary' water use, give the number of people served.

108h

0 People served

FOR AGENCY USE					

3. All Facility Discharges and other Losses: Number and Discharge (see Instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

		Number of Discharge Points		Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	109a1	0	109a2	0
Sanitary wastewater transport system	109b1	0	109b2	0
Storm water transport system	109c1	1	109c2	0.4
Combined sanitary and storm water transport system	109d1	0	109d2	0
Surface impoundment with no effluent	109e1	0	109e2	0
Underground percolation	109f1	0	109f2	0
Well injection	109g1	0	109g2	0
Waste acceptance firm	109h1	0	109h2	0
Evaporation	109i1	0	109i2	0
Consumption	109j1	0	109j2	0
Other*	109k1	0	109k2	0
Facility discharges and volume Total Item 3.	109l1	1	109l2	0.4
*If there are discharges to 'other,' specify.		109m1		

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles				-	-	-	-
County of Los Angeles				-	-	-	-
2.							
3.							

11. Maps and Drawings
Attach all required maps and drawings to the back of this application.(see instructions)

12. Additional Information

Item Number	Information
112	See Attachment A

FOR AGENCY USE				

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

<p>1. Discharge Serial No. and Name</p> <p>a. Discharge Serial No. (see instructions)</p> <p>b. Discharge Name Give name of discharge, if any. (see instructions)</p> <p>c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.</p>	<p>201a <u>026</u></p> <p>201b <u>Drain, Al71, 7th/Flower Tunnel, 7th/Harbor Freeway Operations</u></p> <p>201c <u>-</u></p>	
<p>2. Discharge Operating Dates</p> <p>a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.</p> <p>b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.</p> <p>c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.</p>	<p>202a <u> </u> <u> </u> YR MO</p> <p>202b <u>90</u> <u>7</u> YR MO</p> <p>202c <u>continuing</u> YR MO</p>	
<p>3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)</p>	<p>203 <input checked="" type="checkbox"/></p>	
<p>4. Discharge Location Name the political boundaries within which the point of discharge is located.</p> <p>State</p> <p>County</p> <p>(if applicable) City or Town</p>	<p>204a <u>California</u></p> <p>204b <u>Los Angeles</u></p> <p>204c <u>Los Angeles</u></p>	<p>Agency Use</p> <p>204d _____</p> <p>204e _____</p> <p>204f _____</p>
<p>5. Discharge Point Description Discharge is into (check one); (see instructions)</p> <p>Stream (includes ditches, arroyos, and other intermittent watercourses)</p> <p>Lake</p> <p>Ocean</p> <p>Municipal Sanitary Wastewater Transport System</p> <p>Municipal Combined Sanitary and Storm Transport System</p>	<p>205a <input type="checkbox"/> STR</p> <p><input type="checkbox"/> LKE</p> <p><input type="checkbox"/> OCE</p> <p><input type="checkbox"/> MTS</p> <p><input type="checkbox"/> MCS</p>	

DISCHARGE SERIAL NUMBER

026

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

If 'other' is checked, specify

STS

WEL

OTH

6. Discharge Point — Lat/Long Give the precise location of the Point of discharge to the nearest second.

Latitude

Longitude

205b

206a

34 DEG 2 MIN 30 SEC

206b

118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a

Storm drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

b. Discharge Depth Below Water Surface

207b

For Agency Use		
Major	Minor	Sub

207c

For Agency Use	
303e	

208a

_____ feet

208b

_____ feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

c. Discharge Occurrence —Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209a

(con) Continuous

(int) Intermittent

209b

7 days per week

209c

JAN FEB MAR APR

MAY JUN JUL AUG

SEP OCT NOV DEC

Complete Items 10 and 11 if "Intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210

N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211a

N/A hours per day

211b

_____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum

212

From 10 to 5
month month

DISCHARGE SERIAL NUMBER
026

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE									

Activity Description Give a narrative description of activity producing this discharge. (see instructions)

213a

Piped discharges to stormdrains from tunnel
at 7th/Harbor Fwy.
west of the Los Angeles River.

Activities include collection/treatment of
seepage, stormwater inflow, washdown, and
equipment drainage

Activity Causing Discharge For each SIC Code which describes the activity causing this discharge. Specify the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used or measuring production. (see instructions)

Not applicable, Operation activities associated with Rapid Transit System

Raw Materials Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
14a	(1)	(2)	(3)	(4)	(5)

Products

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
14b	(1)	(2)	(3)	(4)	(5)

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

026

FOR AGENCY USE									

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for (see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	400	0	400	0	400	Annual	1	
pH Units 00400	7.0		X	6.0	8.0			
Temperature (winter) ° F 74028	ND		+ 2° c	+ 2° c	+ 2° c			
Temperature (summer) ° F 74027	ND		+ 2° c	+ 2° c	+ 2° c			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers). (see instructions)

DISCHARGE SERIAL NUMBER
026

FOR AGENCY USE			

17. (Cont'd.)

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Annual		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

218
 219a
 219b
 219c

APS

ALM

N/A

026

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBD
- BCCL
- APOF
- EPBD
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

223

N/A

Frequency of occurrence

- a. Intake Water Temperature (Subject to natural changes)
- b. Discharge Water Temperature

223a

223b

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

24. Water Intake Velocity (see instructions)

224

_____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements
- a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.
- b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)
- Locally developed plan
 - Areawide Plan
 - Basic Plan
 - State approved implementation schedule
 - Federal approved water quality standards implementation plan.
 - Federal enforcement procedure or action
 - State court order
 - Federal court order
- c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

300	
301a	0 2 6
	N/A
301b	<input type="checkbox"/> LOC <input type="checkbox"/> ARE <input type="checkbox"/> BAS <input type="checkbox"/> SQS <input type="checkbox"/> WQS <input type="checkbox"/> ENF <input type="checkbox"/> CRT <input type="checkbox"/> FED
301c	3-character (general)
301d	6-character (specific) (see Table II)

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

2. Schedule (Yr./Mo./Day)

3. Actual Completion (Yr./Mo./Day)

a. Preliminary plan complete

302a

303a

b. Final plan submission

302b

303b

c. Final plan complete

302c

303c

d. Financing complete & contract awarded

302d

303d

e. Site acquired

302e

303e

f. Begin action (e.g., construction)

302f

303f

g. End action (e.g., construction)

302g

303g

h. Discharge Began

302h

303h

i. Operational level attained

302i

303i

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate "NA."

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>
City	102b	<u>Los Angeles</u>
State	102c	<u>CA</u>
Zip Code	102d	<u>90013</u>
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>
City	103c	<u>Los Angeles</u>
State	103d	<u>CA</u>
Zip Code	103e	<u>90014</u>
Telephone	103f	<u>213</u> <u>489-6941</u> Area Number Code
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

Signature of Applicant or Authorized Agent

Director of Engineering
Transit Facilities

Title

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

OFFICE: _____ EPA Region Number

Received _____
YR MO DAY

_____ State

FOR AGENCY USE									

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name

105a Drain, A-135-136, Union Station
Southern California Rapid Transit District
Los Angeles

Ownership (Public, Private or Both Public and Private)

105b PUB PRV BPP

Check Block If Federal Facility and give GSA Inventory Control Number

105c FED

105d

Location Street & Number

105e

East of Macy/Alameda Street

City

105f

Los Angeles

County

105g

Los Angeles

State

105h

California

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

Operation of Rapid Transit System

106b

AGENCY USE

--

7. Facility Intake Water (see instructions) Indicate water intake volume per day by source. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

0

thousand gallons per day

Surface water

107b

3.7

thousand gallons per day

Groundwater

107c

0

thousand gallons per day

Other

107d

0

thousand gallons per day

Total Item 7

107e

3.7

thousand gallons per day

*If there is intake water from "other," specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0

thousand gallons per day

Boiler feed water

108b

0

thousand gallons per day

Process water (including contact cooling water)

108c

0

thousand gallons per day

Sanitary water

108d

0

thousand gallons per day

Other

108e

0

thousand gallons per day

Total Item 8

108f

0

thousand gallons per day

*If there are discharges to "other," specify.

108g

Equipment water supply and washdown

If there is "Sanitary" water use, give the number of people served.

108h

0

people served

FOR AGENCY USE									

9. All Facility Discharges and other Losses: Number and Discharge (see Instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	0	0
Storm water transport system	1	3.7
Combined sanitary and storm water transport system	0	0
Surface impoundment with no effluent	0	0
Underground percolation	0	0
Well Injection	0	0
Waste acceptance firm	0	0
Evaporation	0	0
Consumption	0	0
Other*	0	0
Facility discharges and volume Total Item 9.	1	3.7
* If there are discharges to 'other,' specify.	109ml	

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles				-	-	-	-
2. County of Los Angeles				-	-	-	-
3.							

11. Maps and Drawings
Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information
7/8/9	See Attachment A

FOR AGENCY USE									

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name				
a. Discharge Serial No. (see instructions)	201a	<u>031</u>		
b. Discharge Name (Give name of discharge, if any. (see instructions))	201b	<u>Drain A-135-136, Union Station Operations</u>		
c. Previous Discharge Serial No. (If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.)	201c	<u>-</u>		
2. Discharge Operating Dates				
a. Discharge Began Date (If the discharge described below is in operation, give the date (within best estimate) the discharge began.)	202a	<u>- -</u> YR MO		
b. Discharge to Begin Date (If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.)	202b	<u>90 7</u> YR MO		
c. Discharge to End Date (If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.)	202c	<u>continuing</u> YR MO		
3. Engineering Report Available (Check if an engineering report is available to reviewing agency upon request. (see instructions))	203	<input checked="" type="checkbox"/>		
4. Discharge Location (Name the political boundaries within which the point of discharge is located.)				Agency Use
State	204a	<u>California</u>	204d	_____
County	204b	<u>Los Angeles</u>	204e	_____
(if applicable) City or Town	204c	<u>Los Angeles</u>	204f	_____
5. Discharge Point Description (Discharge is into (check one); (see instructions))				
Stream (includes ditches, arroyos, and other intermittent watercourses)	205a	<input type="checkbox"/> STR		
Lake		<input type="checkbox"/> LKE		
Ocean		<input type="checkbox"/> OCE		
Municipal Sanitary Wastewater Transport System		<input type="checkbox"/> MTS		
Municipal Combined Sanitary and Storm Transport System		<input type="checkbox"/> MCS		

DISCHARGE SERIAL NUMBER

031

FOR AGENCY USE

Municipal Storm Water Transport System

Well (Injection)

Other

STS

WEL

OTH

If "Other" is checked, specify

6. Discharge Point - Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

Longitude

205b

206a

34 DEG 2 MIN 30 SEC

206b

118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a

Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

b. Discharge Depth Below Water Surface

207b

For Agency Use			207c	For Agency Use
Major	Minor	Sub		303a

208a

_____ feet

208b

_____ feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

b. Discharge Occurrence Days Per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

c. Discharge Occurrence - Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209a

(con) Continuous
 (int) Intermittent

209b

7 days per week

209c

JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete Items 10 and 11 if "intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12:

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210

N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211a

N/A hours per day

211b

_____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum

212

From 10 to 5
month month

DISCHARGE SERIAL NUMBER

031

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE

Activity Description Give a narrative description of activity producing this discharge. (see instructions)

213a

Piped discharges to stormdrains from Station East of Macy/Alameda west of the Los Angeles River.

Activities include collection/treatment of seepage, stormwater inflow, washdown, and equipment drainage

Not applicable, Operation activities associated with Rapid Transit System

Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, specify the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production. (see instructions)

a. Raw Materials Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
214a				

b. Products

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
214b				

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

031

FOR AGENCY USE

--	--	--	--	--	--	--	--	--

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (see instructions) In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent		Effluent			Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
	Untreated Inlake Water (Daily Average) (1)	In-Plant Treated Inlake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)			
Flow* Gallons per day 00056	3700	0	3700	0	59,200	Annual	1	
pH Units 00400	7.0		X	6.0	8.0			
Temperature (winter) ° F 74028	ND		+ 2° c	+ 2° c	+ 2° c			
Temperature (summer) ° F 74027	ND		+ 2° c	+ 2° c	+ 2° c			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers). (see instructions)

DISCHARGE SERIAL NUMBER
031

FOR AGENCY USE									

17. (Cont'd.)

Parameter and Code	Influent		Effluent					Frequency of Analysis	Number of Analyses	Sample Type
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	(6)	(7)			
Oil/Grease 00550	0	-	10	0	10	Annual				

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218
219a
219b
219c

APS

ALM

N/A

FOR AGENCY USE									

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete Items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBD
- BCCL
- APOF
- EPBD
- OCFP
- CONO
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence)
In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)
Frequency of occurrence

223

N/A

- a. Intake Water Temperature (Subject to natural changes)
- b. Discharge Water Temperature

223a

223b

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

24. Water Intake Velocity (see instructions)

224

_____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

FOR AGENCY USE									

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300	0	3	1
301a			

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

N/A

Locally developed plan

301b LOC

Areawide Plan

ARE

Basic Plan

BAS

State approved implementation schedule

SQS

Federal approved water quality standards implementation plan.

WQS

Federal enforcement procedure or action

ENF

State court order

CRT

Federal court order

FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

3-character (general)

301c

6-character (specific) (see Table II)

301d

- New Facility
- Modification (no increase in capacity or treatment)
- Increase in Capacity
- Increase in Treatment Level
- Both Increase in Treatment Level and Capacity
- Process Change
- Elimination of Discharge

- NEW
- MOD
- INC
- INT
- ICT
- PRO
- ELI

FOR AGENCY USE				

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

2. Schedule (Yr./Mo./Day)

3. Actual Completion (Yr./Mo./Day)

a. Preliminary plan complete

302a

303a

b. Final plan submission

302b

303b

c. Final plan complete

302c

303c

d. Financing complete & contract awarded

302d

303d

e. Site acquired

302e

303e

f. Begin action (e.g., construction)

302f

303f

g. End action (e.g., construction)

302g

303g

h. Discharge Began

302h

303h

i. Operational level attained

302i

303i

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'NA.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>	
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>	
City	102b	<u>Los Angeles</u>	
State	102c	<u>CA</u>	
Zip Code	102d	<u>90013</u>	
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>	
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>	
City	103c	<u>Los Angeles</u>	
State	103d	<u>CA</u>	
Zip Code	103e	<u>90014</u>	
Telephone	103f	<u>213</u>	<u>489-6941</u>
		Area Code	Number
4. Previous Application If a previous application for a National or Federal discharge permit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> <u>YR MO DAY</u>	

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Director of Engineering
Transit Facilities

Printed Name of Person Signing

102a

Title



102f



Signature of Applicant or Authorized Agent

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

OFFICE: _____ EPA Region Number

Received _____
YR MO DAY

_____ State

FOR AGENCY USE									

1. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name

103a

Drain, A-142-147, Civic Center Station

Southern California Rapid Transit District

Los Angeles

Ownership (Public, Private or Both Public and Private)

103b

PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

103c

FED

103d

Location

Street & Number

103e

North of 1st. St. on Hill

City

103f

Los Angeles

County

103g

Los Angeles

State

103h

California

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

Operation of Rapid Transit System

106b

AGENCY USE

--

7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

0

thousand gallons per day

Surface water

107b

3.4

thousand gallons per day

Groundwater

107c

0

thousand gallons per day

Other*

107d

0

thousand gallons per day

Total Item 7

107e

3.4

thousand gallons per day

*If there is intake water from 'other,' specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0

thousand gallons per day

Boiler feed water

108b

0

thousand gallons per day

Process water (including contact cooling water)

108c

0

thousand gallons per day

Sanitary water

108d

0

thousand gallons per day

Other*

108e

0

thousand gallons per day

Total Item 8

108f

0

thousand gallons per day

*If there are discharges to 'other,' specify.

108g

Equipment water supply and washdown

If there is 'Sanitary' water use, give the number of people served.

108h

0

people served

FOR AGENCY USE									

9. All Facility Discharges and other Losses: Number and Discharge (see Instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	0	0
Storm water transport system	1	3.4
Combined sanitary and storm water transport system	0	0
Surface impoundment with no effluent	0	0
Underground percolation	0	0
Well injection	0	0
Waste acceptance firm	0	0
Evaporation	0	0
Consumption	0	0
Other*	0	0
Facility discharges and volume Total Item 9.	1	3.4

*If there are discharges to 'other,' specify.

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	IO Number	Date Filed YR/MO/OA	Date Issued YR/MO/OA	Date Denied YR/MO/OA	Expiration Date YR/MO/OA
1. City of Los Angeles				-	-	-	-
County of Los Angeles				-	-	-	-
2.							
3.							

11. Maps and Drawings
Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information
7/8/9	See Attachment A

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE									

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharge to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

<p>1. Discharge Serial No. and Name</p> <p>a. Discharge Serial No. (see instructions)</p> <p>b. Discharge Name Give name of discharge, if any. (see instructions)</p> <p>c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I). Provide previous discharge serial number.</p>	<p>201a <u>032</u></p> <p>201b <u>Drain, A-142-147, Civic Center Station</u> <u>Operations</u></p> <p>201c <u>-</u></p>	
<p>2. Discharge Operating Dates</p> <p>a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.</p> <p>b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.</p> <p>c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.</p>	<p>202a <u>- -</u> YR MO</p> <p>202b <u>90 7</u> YR MO</p> <p>202c <u>continuing</u> YR MO</p>	
<p>3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)</p>	<p>203 <input type="checkbox"/></p>	
<p>4. Discharge Location Name the political boundaries within which the point of discharge is located.</p> <p>State</p> <p>County</p> <p>(if applicable) City or Town</p>	<p>204a <u>California</u></p> <p>204b <u>Los Angeles</u></p> <p>204c <u>Los Angeles</u></p>	<p>Agency Use</p> <p>204d _____</p> <p>204e _____</p> <p>204f _____</p>
<p>5. Discharge Point Description Discharge is into (check one); (see instructions)</p> <p>Stream (includes ditches, arroyos, and other intermittent watercourses)</p> <p>Lake</p> <p>Ocean</p> <p>Municipal Sanitary Wastewater Transport System</p> <p>Municipal Combined Sanitary and Storm Transport System</p>	<p>205a <input type="checkbox"/> STR</p> <p><input type="checkbox"/> LKE</p> <p><input type="checkbox"/> OCE</p> <p><input type="checkbox"/> MTS</p> <p><input type="checkbox"/> MCS</p>	

DISCHARGE SERIAL NUMBER

032

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

STS

WEL

OTH

If 'Other' is checked, specify

6. Discharge Point - Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

206a 34 DEG 2 MIN 30 SEC

Longitude

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

208a _____ feet

b. Discharge Depth Below Water Surface

208b _____ feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

209a (con) Continuous
 (int) Intermittent

b. Discharge Occurrence Days Per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

209b 7 days per week

c. Discharge Occurrence - Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209c JAN FEB MAR APR
 MAY JUN JUL AUG
 SEP OCT NOV DEC

Complete Items 10 and 11 if "Intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12:

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210 N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

211a N/A hours per day

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211b _____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum discharge occurs.

212 From 10 to 5
month month

DISCHARGE SERIAL NUMBER

032

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE

Activity Description Give a narrative description of activity producing this discharge.(see instructions)

213a

Piped discharges to stormdrains from Station between 1st. and 2nd. on Hill Street west of the Los Angeles River.

Activities include collection/treatment of seepage, stormwater inflow, washdown, and equipment drainage

Not applicable, Operation activities associated with Rapid Transit System

Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, specify the type and maximum amount of either the raw material used (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material production units normally used for measuring production.(see instructions)

Raw Materials Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)

Products

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)

DISCHARGE SERIAL NUMBER
032

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE				

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

032

FOR AGENCY USE									

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for (see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code	Influent		Effluent					Frequency of Analysis	Number of Analyses	Sample Type
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	(6)	(7)			
Flow* Gallons per day 00056	3400	0	3400	0	54,100	Annual				
pH Units 00400	7.0		X	6.0	8.0					
Temperature (winter) ° F 74028	ND		+ 2° c	+ 2° c	+ 2° c					
Temperature (summer) ° F 74027	ND		+ 2° c	+ 2° c	+ 2° c					
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-					
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-					
Total Suspended (nonfilterable) Solids mg/l 00550	150		50	10	150					
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500					
Settleable Matter (residue) ml/l 00545	ND		-	-	-					

*Other discharges sharing intake flow (serial numbers). (see instructions)

DISCHARGE SERIAL NUMBER
032

FOR AGENCY USE									

17. (Cont'd.)

Parameter and Code 27a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Annual	1	

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218
219a
219b
219c

APS

ALM

N/A

032

FOR AGENCY USE				

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

220

N/A

- BLBD
- BCCL
- APOF
- EPBD
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

°F.

Winter

221b

°F.

22. Discharge Temperature, Rate of Change Per Hour

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

222

°F./hour

N/A

23. Water Temperature, Percentile Report (Frequency of Occurrence)

In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

- a. Intake Water Temperature (Subject to natural changes)
- b. Discharge Water Temperature

223a

223b

10%	5%	1%	Maximum
°F	°F	°F	°F
°F	°F	°F	°F

N/A

24. Water Intake Velocity (see instructions)

224

feet/sec.

N/A

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

minutes

FOR AGENCY USE				

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

- Locally developed plan
- Areawide Plan
- Basic Plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan.
- Federal enforcement procedure or action
- State court order
- Federal court order

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

300	0	3	2
301a	_____		

	N/A		
301b	<input type="checkbox"/> LOC		
	<input type="checkbox"/> ARE		
	<input type="checkbox"/> BAS		
	<input type="checkbox"/> SQS		
	<input type="checkbox"/> WQS		
	<input type="checkbox"/> ENF		
	<input type="checkbox"/> CRT		
	<input type="checkbox"/> FED		
	3-character (general)	_____	
301c	_____		
301d	6-character (specific) (see Table II)	_____	

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

2. Schedule (Yr./Mo./Day)

3. Actual Completion (Yr./Mo./Day)

a. Preliminary plan complete

302a

____/____/____

303a

____/____/____

b. Final plan submission

302b

____/____/____

303b

____/____/____

c. Final plan complete

302c

____/____/____

303c

____/____/____

d. Financing complete & contract awarded

302d

____/____/____

303d

____/____/____

e. Site acquired

302e

____/____/____

303e

____/____/____

f. Begin action (e.g., construction)

302f

____/____/____

303f

____/____/____

g. End action (e.g., construction)

302g

____/____/____

303g

____/____/____

h. Discharge Began

302h

____/____/____

303h

____/____/____

i. Operational level attained

302i

____/____/____

303i

____/____/____

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'NA.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>	
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>	
City	102b	<u>Los Angeles</u>	
State	102c	<u>CA</u>	
Zip Code	102d	<u>90013</u>	
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>	
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>	
City	103c	<u>Los Angeles</u>	
State	103d	<u>CA</u>	
Zip Code	103e	<u>90014</u>	
Telephone	103f	<u>213</u>	<u>489-6941</u>
		Area Code	Number
4. Previous Application If a previous application for a National or Federal discharge permit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> <u>YR MO DAY</u>	

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

Director of Engineering
 Transit Facilities

Title

J.E. Crawley

Signature of Applicant or Authorized Agent

102e
102f

11/17/85

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

OFFICE: _____ EPA Region Number

Received _____
 YR MO DAY

_____ State

FOR AGENCY USE									

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharges are or will occur.

Name

105a

Drain, A-145-157, 5th/Hill Station

Southern California Rapid Transit District

Los Angeles

Ownership (Public, Private or Both Public and Private)

105b

PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

105c

FED

105d

Location

Street & Number

105e

North of 5th St. on Hill St.

City

105f

Los Angeles

County

105g

Los Angeles

State

105h

California

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

106a

Operation of Rapid Transit System

106b

AGENCY USE

--

7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a

0

thousand gallons per day

Surface water

107b

4000

thousand gallons per day

Groundwater

107c

0

thousand gallons per day

Other

107d

0

thousand gallons per day

Total Item 7

107e

4000

thousand gallons per day

If there is intake water from "other," specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a

0

thousand gallons per day

Boiler feed water

108b

0

thousand gallons per day

Process water (including contact cooling water)

108c

0

thousand gallons per day

Sanitary water

108d

0

thousand gallons per day

Other

108e

0

thousand gallons per day

Total Item 8

108f

0

thousand gallons per day

If there are discharges to "other," specify.

108g

Equipment water supply and washdown

If there is "Sanitary" water use, give the number of people served.

108h

0

people served

FOR AGENCY USE									

9. All Facility Discharges and other Losses: Number and Discharge (see Instructions) Volume Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per Day.

	Number of Discharge Points		Total Volume Used or Discharged, Thousand Gal/Day	
Surface Water	109a1	0	109a2	0
Sanitary wastewater transport system	109b1	0	109b2	0
Storm water transport system	109c1	1	109c2	4.0
Combined sanitary and storm water transport system	109d1	0	109d2	0
Surface impoundment with no effluent	109e1	0	109e2	0
Underground percolation	109f1	0	109f2	0
Well Injection	109g1	0	109g2	0
Waste acceptance firm	109h1	0	109h2	0
Evaporation	109i1	0	109i2	0
Consumption	109j1	0	109j2	0
Other*	109k1	0	109k2	0
Facility discharges and volume Total Item 9.	109l1	1	109l2	4.0
109m1				

* If there are discharges to "other," specify.

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/OA	Date Issued YR/MO/OA	Date Denied YR/MO/OA	Expiration Date YR/MO/OA
1. City of Los Angeles				-	-	-	-
2. County of Los Angeles							
3.							

11. Maps and Drawings
Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information
7/8/9	See Attachment A

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE									

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name

- a. Discharge Serial No. (see instructions)
- b. Discharge Name Give name of discharge, if any. (see instructions)
- c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.

201a
201b
201c

033
Drain, A-145-157, 5th/Hill Station
Operations

2. Discharge Operating Dates

- a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.
- b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.
- c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.

202a
202b
202c

YR MO
90 7
YR MO
continuing
YR MO

3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)

203

4. Discharge Location Name the political boundaries within which the point of discharge is located.

State

County

(if applicable) City or Town

204a
204b
204c

California
Los Angeles
Los Angeles

Agency Use

204d
204e
204f

5. Discharge Point Description Discharge is into (check one): (see instructions)

Stream (includes ditches, arroyos, and other intermittent watercourses)

Lake

Ocean

Municipal Sanitary Wastewater Transport System

Municipal Combined Sanitary and Storm Transport System

205a

- STR
- LKE
- OCE
- MTS
- MCS

DISCHARGE SERIAL NUMBER

033

FOR AGENCY USE

Municipal Storm Water Transport System

Well (Injection)

Other

If 'Other' is checked, specify

STS

WEL

OTH

6. Discharge Point — Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

Longitude

205b

206a

206b

34 DEG 2 MIN 30 SEC

118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a

Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

b. Discharge Depth Below Water Surface

207b

For Agency Use		
Major	Minor	Sub

207c

For Agency Use
303e

208a

_____ feet

208b

_____ feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

c. Discharge Occurrence — Months If this discharge normally operates (either intermittently or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209a

(con) Continuous

(int) Intermittent

209b

7 days per week

209c

JAN FEB MAR APR

MAY JUN JUL AUG

SEP OCT NOV DEC

Complete Items 10 and 11 if "Intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210

N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211a

N/A hours per day

211b

_____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum discharge occurs.

212

From 10 month to 5 month

DISCHARGE SERIAL NUMBER

033

FORM APPROVED
OMB No. 158-RO100

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

Activity Description Give a narrative description of activity producing this discharge.(see instructions)

213a

Piped discharges to stormdrains from Station between 4th and 5th on Hill Street west of the Los Angeles River.

Activities include collection/treatment of seepage, stormwater inflow, washdown, and equipment drainage

Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production.(see instructions)

Not applicable, Operation activities associated with Rapid Transit System

a. Raw Materials Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
14a				

b. Products

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
14b				

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

033

FOR AGENCY USE									

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (See instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 2171	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	4,000	0	4,000	0	59,400	Annual		
pH Units 00400	7.0		X	6.0	8.0			
Temperature (winter) ° F 74028	ND		+ 2° c	+ 2° c	+ 2° c			
Temperature (summer) ° F 74027	ND		+ 2° c	+ 2° c	+ 2° c			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers).(see instructions)

DISCHARGE SERIAL NUMBER
033

FOR AGENCY USE							

17. (Cont'd.)

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Annually		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218-

219a

219b

219c

APS

ALM

N/A

033

FOR AGENCY USE									

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete Items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

220

N/A

- BLBD
- BCCL
- APOF
- EPBD
- OCFP
- COND
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

Winter

221a

221b

____ °F.
____ °F.

22. Discharge Temperature, Rate of Change Per Hour

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

222

____ °F./hour N/A

23. Water Temperature, Percentile Report (Frequency of Occurrence)
In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

- a. Intake Water Temperature (Subject to natural changes)
- b. Discharge Water Temperature

223a

223b

10%	5%	1%	Maximum
____ °F	____ °F	____ °F	____ °F
____ °F	____ °F	____ °F	____ °F

N/A

24. Water Intake Velocity (see instructions)

224

____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

____ minutes

N/A

FOR AGENCY USE					

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300			
301a	0	3	3

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

N/A

- Locally developed plan
- Areawide Plan
- Basic Plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan.
- Federal enforcement procedure or action
- State court order
- Federal court order

- LOC
- ARE
- BAS
- SQS
- WQS
- ENF
- CRT
- FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

301b	
301c	3-character (general)
301d	6-character (specific) (see Table II)

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps

2. Schedule (Yr./Mo./Day)

3. Actual Completion (Yr./Mo./Day)

a. Preliminary plan complete

302a

303a

b. Final plan submission

302b

303b

c. Final plan complete

302c

303c

d. Financing complete & contract awarded

302d

303d

e. Site acquired

302e

303e

f. Begin action (e.g., construction)

302f

303f

g. End action (e.g., construction)

302g

303g

h. Discharge Began

302h

303h

i. Operational level attained

302i

303i

FOR AGENCY USE											

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'N/A.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>
2. Mailing Address of Applicant (see instructions) Number & Street:	102a	<u>425 South Main Street</u>
City	102b	<u>Los Angeles</u>
State	102c	<u>CA</u>
Zip Code	102d	<u>90013</u>
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>
City	103c	<u>Los Angeles</u>
State	103d	<u>CA</u>
Zip Code	103e	<u>90014</u>
Telephone	103f	<u>213</u> <u>489-6941</u>
		Area Number Code
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> <u> </u> <u> </u> <u> </u> YR MD DAY

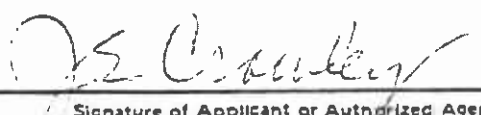
I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Printed Name of Person Signing

Director of Engineering
Transit Facilities

Title



Signature of Applicant or Authorized Agent

102g
102f

11/17/81

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

Received _____
YR MO DAY

OFFICE: _____ EPA Region Number
_____ State

FOR AGENCY USE									

3. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharges does or will occur.

Name

105a Drain, A-165-167, 7th/Flower Station

Ownership (Public, Private or Both Public and Private)

105b PUB PRV BPP

Check block if Federal Facility and give GSA Inventory Control Number

105c FED

Location Street & Number

105d Lebanon/7th Streets

City

105e Los Angeles

County

105f Los Angeles

State

105g California

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

105h Operation of Rapid Transit System

106a

AGENCY USE

7. Facility Intake Water (see instructions) Indicate water intake volume per day by source. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

107a 0 thousand gallons per day

Surface water

107b 4.0 thousand gallons per day

Groundwater

107c 0 thousand gallons per day

Other*

107d 0 thousand gallons per day

Total Item 7

107e 4.0 thousand gallons per day

*If there is intake water from "other," specify the source.

107f

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

108a 0 thousand gallons per day

Boiler feed water

108b 0 thousand gallons per day

Process water (including contact cooling water)

108c 0 thousand gallons per day

Sanitary water

108d 0 thousand gallons per day

Other*

108e 0 thousand gallons per day

Total Item 8

108f 0 thousand gallons per day

*If there are discharges to "other," specify.

108g

Equipment water supply and washdown

If there is "Sanitary" water use, give the number of people served.

108h

0 people served

FOR AGENCY USE									

9. All Facility Discharges and other Losses: Number and Discharge (see instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	0	0
Storm water transport system	1	4.0
Combined sanitary and storm water transport system	0	0
Surface impoundment with no effluent	0	0
Underground percolation	0	0
Well injection	0	0
Waste acceptance firm	0	0
Evaporation	0	0
Consumption	0	0
Other*	0	0
Facility discharges and volume Total Item 9.	1	4.0
*If there are discharges to "other," specify.	109m1	

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/OA	Date Issued YR/MO/OA	Date Denied YR/MO/OA	Expiration Date YR/MO/OA
1. City of Los Angeles				-	-	-	-
2. County of Los Angeles							
3.							

11. Maps and Drawings
Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information
7/8/9	See Attachment A

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE									

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name

a. Discharge Serial No. (see instructions)

201a 034

b. Discharge Name Give name of discharge, if any. (see instructions)

201b Drain, Al65-167, 7th/Flower Station
Operations

c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.

201c

2. Discharge Operating Dates

a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.

202a
YR MO

b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.

202b 90 7
YR MO

c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.

202c continuing
YR MO

3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)

203

4. Discharge Location Name the political boundaries within which the point of discharge is located.

State

204a California

County

204b Los Angeles

(if applicable) City or Town

204c Los Angeles

Agency Use

204d

204e

204f

5. Discharge Point Description Discharge is into (check one); (see instructions)

Stream (includes ditches, arroyos, and other intermittent watercourses)

205a STR

Lake

LKE

Ocean

OCE

Municipal Sanitary Wastewater Transport System

MTS

Municipal Combined Sanitary and Storm Transport System

MCS

DISCHARGE SERIAL NUMBER

034

FOR AGENCY USE

Municipal Storm Water Transport System

Well (Injection)

Other

If "other" is checked, specify

 STS WEL OTH

6. Discharge Point - Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

206a 34 DEG 2 MIN 30 SEC

Longitude

206b 118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

- a. Discharge Distance from Shore
- b. Discharge Depth Below Water Surface

208a _____ feet

208b _____ feet

9. Discharge Type and Occurrence

- a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)
- b. Discharge Occurrence Days Per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.
- c. Discharge Occurrence - Months If this discharge normally operates (either intermittently or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209a (con) Continuous (int) Intermittent209b 2 days per week209c JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

Complete Items 10 and 11 if "intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12:

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210 N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

- a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.
- b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211a N/A hours per day

211b _____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum

212 From 10 to 5
month month

For Agency Use

Major	Minor	Sub

207b

207c

For Agency Use

303e

--

DISCHARGE SERIAL NUMBER

034

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE				

Activity Description Give a narrative description of activity producing this discharge. (see instructions)

213a

Piped discharges to stormdrains from Station between Flower and Figueroa on 7th Street west of the Los Angeles River.

Activities include collection/treatment of seepage, stormwater inflow, washdown, and equipment drainage

Not applicable, Operation activities associated with Rapid Transit System

Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production. (see instructions)

a. Raw Materials Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
14a				

b. Products

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
14b				

034

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter .216	Present	Parameter .216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Alcicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for (see instructions). In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	4000	0	4000	0	64,200	Annual		
pH Units 00400	7.0		X	6.0	8.0			
Temperature (winter) ° F 74028	ND		+ 2° c	+ 2° c	+ 2° c			
Temperature (summer) ° F 74027	ND		+ 2° c	+ 2° c	+ 2° c			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD)* mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers), (see instructions)

DISCHARGE SERIAL NUMBER
034

FOR AGENCY USE				

17. (Cont'd.)

Parameter and Code 427a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	Annual		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218
219a
219b
219c

APS

ALM

N/A

034

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBD
- BCCL
- APOF
- EPBD
- OCFP
- CONO
- CTBD
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

223

N/A

- a. Intake Water Temperature (Subject to natural changes)
- b. Discharge water Temperature

223a

223b

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

24. Water Intake Velocity (see instructions)

224

_____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

FOR AGENCY USE				

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number
Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300	0	3	4
301a			

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

N/A

- Locally developed plan
- Areawide Plan
- Basic Plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan.
- Federal enforcement procedure or action
- State court order
- Federal court order

301b	<input type="checkbox"/> LOC
	<input type="checkbox"/> ARE
	<input type="checkbox"/> BAS
	<input type="checkbox"/> SQS
	<input type="checkbox"/> WQS
	<input type="checkbox"/> ENF
	<input type="checkbox"/> CRT
	<input type="checkbox"/> FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

301c	3-character (general)	
301d	6-character (specific) (see Table II)	

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE									

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps	2. Schedule (Yr./Mo./Day)	3. Actual Completion (Yr./Mo./Day)
a. Preliminary plan complete	302a	303a
b. Final plan submission	302b	303b
c. Final plan complete	302c	303c
d. Financing complete & contract awarded	302d	303d
e. Site acquired	302e	303e
f. Begin action (e.g., construction)	302f	303f
g. End action (e.g., construction)	302g	303g
h. Discharge Began	302h	303h
i. Operational level attained	302i	303i

FOR AGENCY USE									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'N/A.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	<u>Southern California Rapid Transit District</u>
2. Mailing Address of Applicant (see instructions) Number & Street	102a	<u>425 South Main Street</u>
City	102b	<u>Los Angeles</u>
State	102c	<u>CA</u>
Zip Code	102d	<u>90013</u>
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	<u>Melvin L. Polacek</u> <u>Construction Manager (Attn: C. Thomas Williams)</u> <u>Parsons, Dillingham Construction & De Leuw Cather</u>
Number & Street Address	103b	<u>600 South Spring Street, Suite 1200</u>
City	103c	<u>Los Angeles</u>
State	103d	<u>CA</u>
Zip Code	103e	<u>90014</u>
Telephone	103f	<u>213</u> <u>489-6941</u> Area Code Number
4. Previous Application If a previous application for a National or Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	<u>N/A</u> YR MO DAY

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

J.E. Crawley

Director of Engineering
Transit Facilities

Printed Name of Person Signing

Signature of Applicant or Authorized Agent

102g

102f

Title

Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

FOR AGENCY USE

Received: _____
YR MO DAY

OFFICE: _____ EPA Region Number
_____ State

Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.

Name

Ownership (Public, Private or Both Public and Private)

Check block if Federal Facility and give GSA Inventory Control Number

Location

Street & Number

City

County

State

6. Nature of Business State the nature of the business conducted at the plant or operating facility.

7. Facility Intake Water (see instructions) Indicate water intake volume per day by source. Estimate average volume per day in thousand gallons per day.

Municipal or private water system

Surface water

Groundwater

Other

Total Item 7

*If there is intake water from "other," specify the source.

8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)

Noncontact cooling water

Boiler feed water

Process water (including contact cooling water)

Sanitary water

Other

Total Item 8

*If there are discharges to "other," specify.

If there is "Sanitary" water use, give the number of people served.

FOR AGENCY USE

103a Drain A-175-187, Wilshire/Alvarado Station
Southern California Rapid Transit District
Los Angeles

103b PUB PRV BPP
103c FED
103d _____

103e Alvarado/7th - Wilshire
103f Los Angeles
103g Los Angeles
103h California
103i Operation of Rapid Transit System
103j _____

106b AGENCY USE

107a 0 thousand gallons per day
107b 2.2 thousand gallons per day
107c 0 thousand gallons per day
107d 0 thousand gallons per day
107e 2.2 thousand gallons per day
107f _____

108a 0 thousand gallons per day
108b 0 thousand gallons per day
108c 0 thousand gallons per day
108d 0 thousand gallons per day
108e 0 thousand gallons per day
108f 0 thousand gallons per day
108g _____
108h 0 people served

FOR AGENCY USE				

3. All Facility Discharges and other Losses; Number and Discharge (see instructions) Volume. Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

	Number of Discharge Points	Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	0	0
Sanitary wastewater transport system	0	0
Storm water transport system	1	2.2
Combined sanitary and storm water transport system	0	0
Surface impoundment with no effluent	0	0
Underground percolation	0	0
Well Injection	0	0
Waste acceptance firm	0	0
Evaporation	0	0
Consumption	0	0
Other*	0	0
Facility discharges and volume Total Item 3.	1	2.2
	109m1	

*If there are discharges to 'other,' specify.

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA
1. City of Los Angeles				-	-	-	-
2. County of Los Angeles							
3.							

11. Maps and Drawings
Attach all required maps and drawings to the back of this application. (see instructions)

12. Additional Information

Item Number	Information
7/8/9	See Attachment A

FOR AGENCY USE				

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name

- a. Discharge Serial No. (see instructions)
- b. Discharge Name Give name of discharge, if any. (see instructions)
- c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.

201a	<u>035</u>
201b	<u>Drain, A-175-187, Wilshire/Alvarado Station Operations</u>
201c	<u>-</u>

2. Discharge Operating Dates

- a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.
- b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.
- c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.

202a	<u>- - - - -</u> YR MO
202b	<u>90 7</u> YR MO
202c	<u>continuing</u> YR MO

3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)

203

4. Discharge Location Name the political boundaries within which the point of discharge is located.

State
County
(if applicable) City or Town

204a	<u>California</u>	Agency Use
204b	<u>Los Angeles</u>	204d
204c	<u>Los Angeles</u>	204e
		204f

5. Discharge Point Description Discharge is into (check one); (see instructions)

- Stream (includes ditches, arroyos, and other intermittent watercourses)
- Lake
- Ocean
- Municipal Sanitary Wastewater Transport System
- Municipal Combined Sanitary and Storm Transport System

205a STR
 LKE
 OCE
 MTS
 MCS

DISCHARGE SERIAL NUMBER
035

FOR AGENCY USE									

Municipal Storm Water Transport System

Well (Injection)

Other

STS

WEL

OTH

If 'Other' is checked, specify

6. Discharge Point - Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude

Longitude

203b

206a

34 DEG 2 MIN 30 SEC

206b

118 DEG 15 MIN 00 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge. (see instructions)

207a

Storm Drain to Los Angeles River

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

8. Offshore Discharge

a. Discharge Distance from Shore

b. Discharge Depth Below Water Surface

207b

For Agency Use		
Major	Minor	Sub

207c

For Agency Use	
303e	

208a

_____ feet

208b

_____ feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.

c. Discharge Occurrence - Months If this discharge normally operates (either intermittently or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)

209a

(con) Continuous

(int) Intermittent

209b

7 days per week

209c

JAN FEB MAR APR

MAY JUN JUL AUG

SEP OCT NOV DEC

Complete Items 10 and 11 if "Intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12:

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.

210

N/A thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.

211a

N/A hours per day

211b

_____ discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum

212

From 10 to 5
month month

DISCHARGE SERIAL NUMBER

035

FOR AGENCY USE									

DISCHARGE SERIAL NUMBER

035

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE									

13. Activity Description Give a narrative description of activity producing this discharge (see instructions)

213a

Piped discharges to stormdrains from station
between 7th and Wilshire, east of Alvarado
west of the Los Angeles River.

Activities include collection/treatment of
seepage, stormwater inflow, washdown, and
equipment drainage

14. Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production. (see instructions)

Not applicable, Operation activities associated with Rapid Transit System

a. Raw Materials Not Applicable

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)
214a				

b. Products

SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
(1)	(2)	(3)	(4)	(5)

FOR AGENCY USE

16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate. (see instructions)

Parameter :216	Present	Parameter :216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	X
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Alcicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	X	Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

035

FOR AGENCY USE

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for. (see instructions)

In addition, enter the parameter name and code and all reduced values for any of the following parameters if they were checked in item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code .217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	2200	0	2200	0	33,900	Annual	1	
pH Units 00400	7.0		X	6.0	8.0			
Temperature (winter) ° F 74023	ND		+ 2° C	+ 2° C	+ 2° C			
Temperature (summer) ° F 74027	ND		+ 2° C	+ 2° C	+ 2° C			
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)		-	-	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		-	-	-			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500		X	200	1500			
Settleable Matter (residue) ml/l 00545	ND		-	-	-			

*Other discharges sharing intake flow (serial numbers).(see instructions)

DISCHARGE SERIAL NUMBER
035

FOR AGENCY USE									

17. (Cont'd.)

Parameter and Code	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Oil/Grease 00550	0	-	10	0	10	annual		

18. Plant Controls Check if the following plant controls are available for this discharge.

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s)

b. Name and address of manufacturer

c. Quantity (pounds added per million gallons of water treated).

-218-

219a

219b

219c

- APS
- ALM

N/A

035

FOR AGENCY USE

--	--	--	--	--	--	--	--	--	--

d. Chemical composition of these additives (see instructions).

219d

N/A

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)

220

N/A

- Boiler Blowdown
- Boiler Chemical Cleaning
- Ash Pond Overflow
- Boiler Water Treatment — Evaporator Blowdown
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices
- Condense Cooling Water
- Cooling Tower Blowdown
- Manufacturing Process
- Other

- BLBO
- BCCL
- APOF
- EPBO
- OCFP
- CONO
- CTBO
- MFPR
- OTHR

21. Discharge/Receiving Water Temperature Difference

221

N/A

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer

221a

_____ °F.

Winter

221b

_____ °F.

22. Discharge Temperature, Rate of Change Per Hour

222

_____ °F./hour N/A

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence)

223

N/A

In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

a. Intake Water Temperature (Subject to natural changes)

223a

b. Discharge Water Temperature

223b

10%	5%	1%	Maximum
_____ °F	_____ °F	_____ °F	_____ °F
_____ °F	_____ °F	_____ °F	_____ °F

24. Water Intake Velocity (see instructions)

224

_____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

225

_____ minutes

N/A

FOR AGENCY USE									

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

SECTION III. WASTE ABATEMENT REQUIREMENTS & IMPLEMENTATION (CONSTRUCTION) SCHEDULE

This section requires information on any uncompleted implementation schedule which may have been imposed for construction of waste abatement facilities. Such requirements and implementation schedules may have been established by local, State, or Federal agencies or by court action. In addition to completing the following items, a copy of an official implementation schedule should be attached to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 1a.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

FOR AGENCY USE	
SCHED. NO.	

1. Improvements

a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.

300	
301a	0 3 5

b. Authority Imposing Requirements Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check the appropriate items. (see instructions)

N/A

- Locally developed plan
- Areawide Plan
- Basic Plan
- State approved implementation schedule
- Federal approved water quality standards implementation plan.
- Federal enforcement procedure or action
- State court order
- Federal court order

- LOC
- ARE
- BAS
- SQS
- WQS
- ENF
- CRT
- FED

c. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the requirement of the implementation schedule and the applicable six-character abatement code(s) from Table II of the instruction booklet. If more than one schedule applies to the facility because of a staged construction schedule, state the stage of construction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

301b	3-character (general)
301c	
301d	6-character (specific) (see Table II)

- | | |
|---|-----|
| New Facility | NEW |
| Modification (no increase in capacity or treatment) | MOD |
| Increase in Capacity | INC |
| Increase in Treatment Level | INT |
| Both Increase in Treatment Level and Capacity | ICT |
| Process Change | PRO |
| Elimination of Discharge | ELI |

FOR AGENCY USE											

2. Implementation Schedule and 3. Actual Completion Dates

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Indicate dates as accurately as possible. (see instructions)

Implementation Steps	2. Schedule (Yr./Mo./Day)		3. Actual Completion (Yr./Mo./Day)	
a. Preliminary plan complete	302a	____/____/____	303a	____/____/____
b. Final plan submission	302b	____/____/____	303b	____/____/____
c. Final plan complete	302c	____/____/____	303c	____/____/____
d. Financing complete & contract awarded	302d	____/____/____	303d	____/____/____
e. Site acquired	302e	____/____/____	303e	____/____/____
f. Begin action (e.g., construction)	302f	____/____/____	303f	____/____/____
g. End action (e.g., construction)	302g	____/____/____	303g	____/____/____
h. Discharge Began	302h	____/____/____	303h	____/____/____
i. Operational level attained	302i	____/____/____	303i	____/____/____

SCRTD METRO RAIL
NPDES PERMIT
APPLICATION
ATTACHMENT A

TABLE OF CONTENTS

- 1.0 GENERAL
- 1.1 Metro Rail
- 1.2 MOS-1 Components
- 2.0 TYPES OF DISCHARGES AND ACTIVITIES
- 2.1 Construction Discharges
 - 2.1.1 Types of Discharges
 - 2.1.2 Temporal Durations
 - 2.1.3 Discharge Flows
 - Groundwater Dewatering
 - Storm Water
 - 2.1.4 Water Quality
 - 2.1.5 Monitoring Program
- 2.2 Operational Discharges
 - 2.2.1 Types of Discharges
 - 2.2.2 Discharge Flows

LIST OF FIGURES, TABLES, AND APPENDICES

FIGURES

1. Map of MOS-1
2. Construction Activities and Wastewater Discharge
3. Conceptual Diagram of Wastewater Flows for MOS-1 Project Sites
4. Maximum Wastewater Flows for MOS-1 Project Construction Sites.
5. General Temporal Sequence for Stage I Construction.

TABLES

1. Summary of Construction Wastewater Flow.
2. Geologic, Well, and Water Quality Data for Boring in Metro Rail MOS-1.
3. Operations Wastewater Flows.

Appendices

- A. Map of MOS-1 Discharge Points, Project Contracts, Water Quality Sampling Points, and Geotechnical Borings.
- B. Final Environmental Impact Statement/Report for Metro Rail.
- C. Specification Section 01566, Pollution Control.
- D. Metro Rail Program -- Milepost 10 Report.
- E. Metro Rail Project Geotechnical Investigation Report by Converse, 1981 (excerpts).

WASTEWATER DISCHARGES FROM THE METRO RAIL MOS-1

1.0 GENERAL

This attachment supplements the information provided in applications for discharge permits under the National Pollution Discharge Elimination System (NPDES). The applications are for a series of construction and operational discharges to storm drains from the MOS-1 sites and facilities of the Metro Rail program under the authority of the Southern California Rapid Transit District.

1.1 METRO RAIL

Metro Rail is a major transportation program of the Southern California Rapid Transit District (RTD) for Los Angeles City and County. The program will eventually consist of 18.6 miles of tunnels, 18 transit stations, and one major yard facility extending from south of the Union Station to North Hollywood in central Los Angeles. Metro Rail forms the pivotal element of the Los Angeles County Transportation Commission Plan. The facilities will integrate light and heavy mass transit through downtown Los Angeles and the central Los Angeles Metropolitan Area. The program will be initiated by the construction and operations of the first section, Minimum Operating Segment-1 or MOS-1 (Figure 1 and Appendix A). Following completion of this segment, a series of additional segments will be constructed sequentially until the Metro Rail system reaches North Hollywood.

1.2 MOS-1 COMPONENTS

The applications for permits focus upon the wastewater discharges from a series of transportation projects, separately funded as Metro Rail MOS-1. Several analyses and evaluations were completed for the entire route, Metro Rail, and for the initial MOS-1 projects. The Draft Environmental Impact Statement and Report for the entire Metro Rail Program and the Environmental Assessment for MOS-1 were prepared, circulated to government agencies, including the Regional Water Quality Control Board, for review and comment. The Final EIS/EIR (Appendix B) for Metro Rail, the Assessment, and Negative Declaration were accepted as complete and adequate for environmental evaluations as part of the decisions and actions of the Southern California Rapid Transit District.

As part of the engineering designs, environmental evaluations, and preparation of contractual documents, environmental and pollution control measures were developed to reduce, minimize, and eliminate both construction and operational adverse effects. Such measures have been incorporated in contract specifications and engineering designs (See Appendix C).

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT

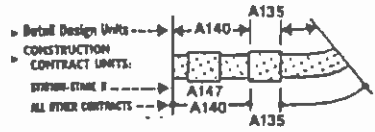
MINIMAL OPERABLE SEGMENT — I

NOVEMBER 1984

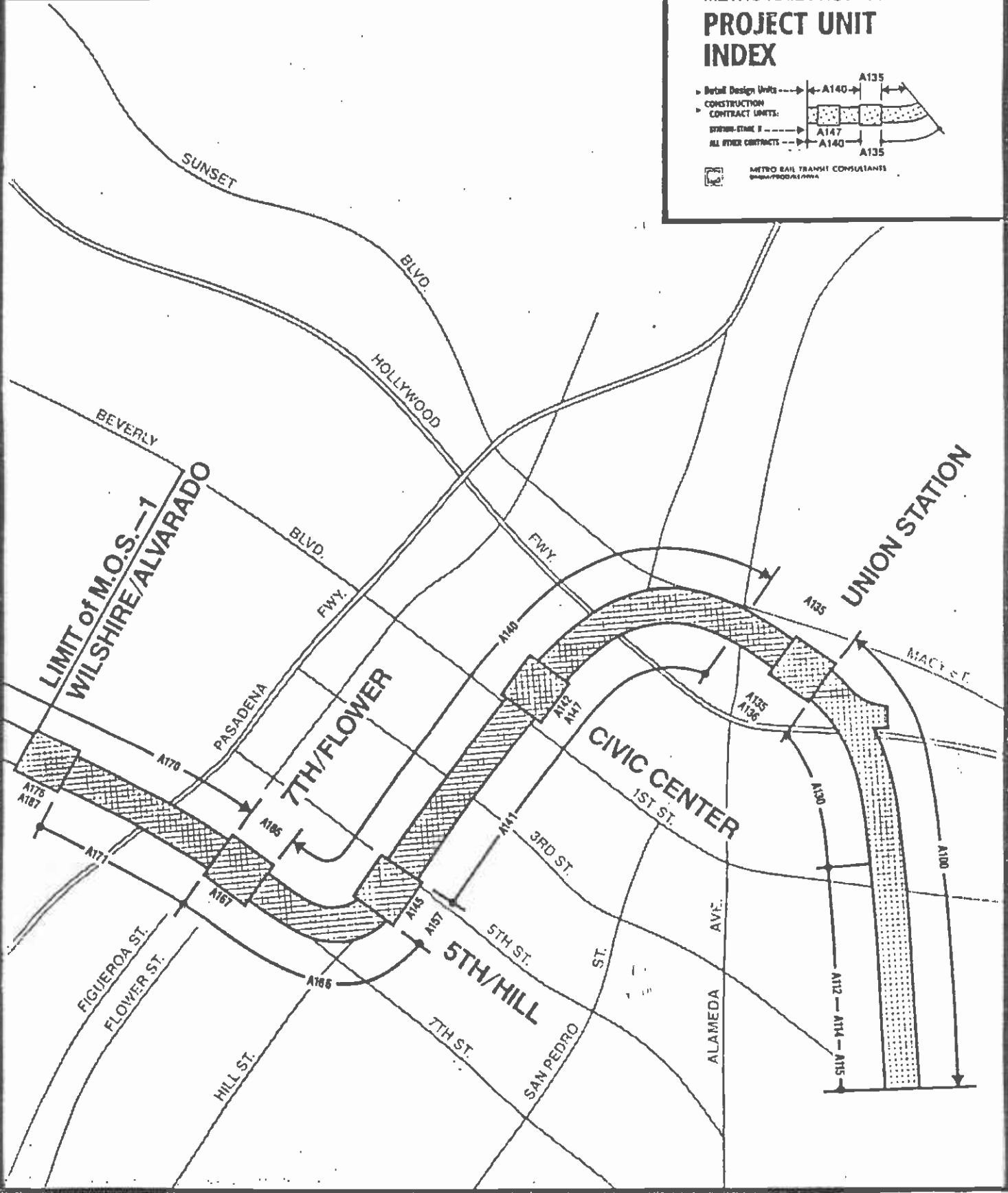


METRO RAIL PROJECT

PROJECT UNIT INDEX



METRO RAIL TRANSIT CONSULTANTS
SANTA MONICA, CALIF.



The Metro Rail's MOS-1 consists of five stations, two crossovers, a double turn-out, one junction, a yard, and four tunnel segments (Figure 1) which are describe in detail by the enclosed RTD Milestone 10 Report (Appendix D), the Design Standards and Criteria, and the numerous contract documents. The major components are briefly summarized below:

- Yard for control, storage, and maintenance of trains
(various contracts A100 to A129*)
- Yard Portal (A130; East Portal is not included in MOS-1)
- Eastern Junction and double turn-out (A130; for future easterly extension through the East Portal)
- Union Station and one crossover (A135, A136)
- Tunnel access shaft (A141)
- Civic Center Station (A141, A147)
- Fifth/Hill Station (A145, A157)
- Tunnel access shaft (A146)
- Seventh/Flower Station (A165, A167; including junction with light rail system for Long Beach)
- Wilshire/Alvarado Station and crossover (A175, A187; including temporary bulkhead for Wilshire Corridor extension)
- Tunnel access shaft (A171)

- Twin Tunnels (17.8 ft. inside diameter)
 - Yard Portal-Union Station (A130)
 - Union Station-Civic Center (A141)
 - Civic Center-5th/Hill (A141)
 - 5th/Hill-7th/Flower (A146)
 - 7th/Flower-Wilshire/Alvarado (A171)

(* Numbers preceded by A-- indicate the project contract number.)
The above facilities will be built by a three-part series of tasks (Figure 2) which generally following sequence:

o Stage I

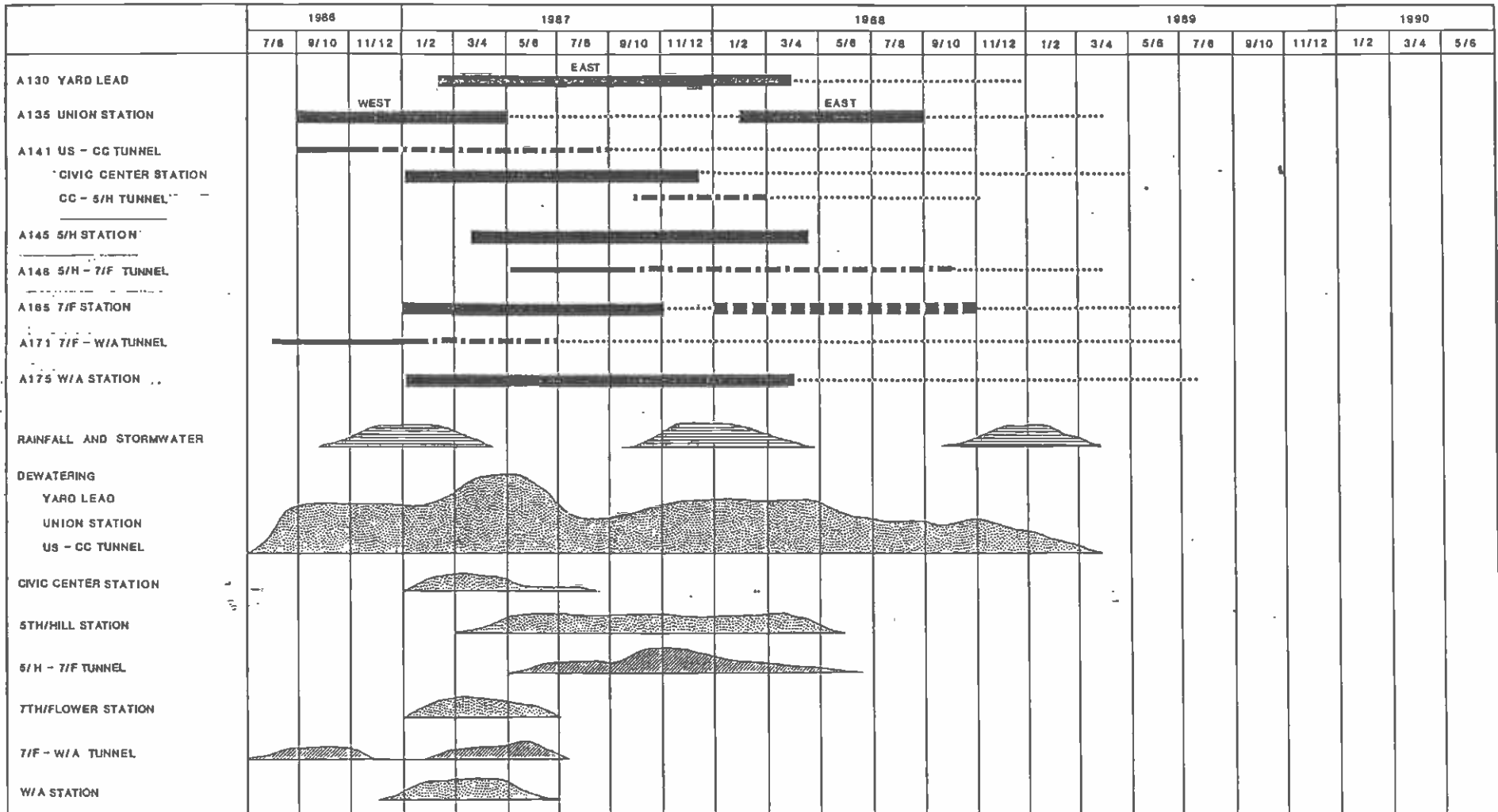
Excavation and Structure Construction

- Installing soldier piles and dewatering wells
- Dewatering, excavating, tunneling, and decking if needed,
- Forming and pouring of concrete box for stations, cross-overs, and tunnels,
- Installation of electrical and mechanical facilities in tunnels,
- Backfilling over the stations, crossovers, and access shafts.

o Stage II

Finish

- Rendering concrete walls
- Place mechanical and electrical equipment



- STATION EXCAVATION
- STATION CONCRETE
- TUNNEL ACCESS SHAFT EXCAVATION
- TUNNEL BORING
- TUNNEL FINISHING

THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH GRANTS FROM THE STATE OF CALIFORNIA, THE CITY OF LOS ANGELES, THE LOS ANGELES COUNTY TRANSPORTATION COMMISSION AND THE U.S. DEPARTMENT OF TRANSPORTATION, URBAN MASS TRANSPORTATION ADMINISTRATION, UNDER THE URBAN MASS TRANSPORTATION ACT OF 1964, AS AMENDED.

0	10/14/88	NPDES PERMIT APPLICATION		
REV	DATE	DESCRIPTION	APVO	DATE

PCDC
PARSONS, GILLINGHAM, DE LEUW, CATHER & COMPANY

JOB NO. _____

DOCUMENT NO. _____

FIGURE 2

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT
MTC METRO RAIL PROJECT

TITLE CONSTRUCTION/ACTIVITIES AND WASTEWATER DISCHARGE

REV

- o Stage III

- Installing trackwork and control systems

- Commissioning

- Vehicle delivery and testing

- Connecting and testing utilities and controls

- Pre-Revenue Operations and Training

- o Revenue Operations

2.0 TYPES OF DISCHARGES AND ACTIVITIES

Major types of normal non-sanitary discharges can be separated into construction and operational discharges as below:

Construction

- Drilling fluids

- Dewatering fluids

- Storm water

- Truck cleaning water

- Washdown and cleaning fluids

Operations

- Storm water inflow

- Trains rinse/rainwater falloff

- Seepage (if any)

- Tunnel and station washdown

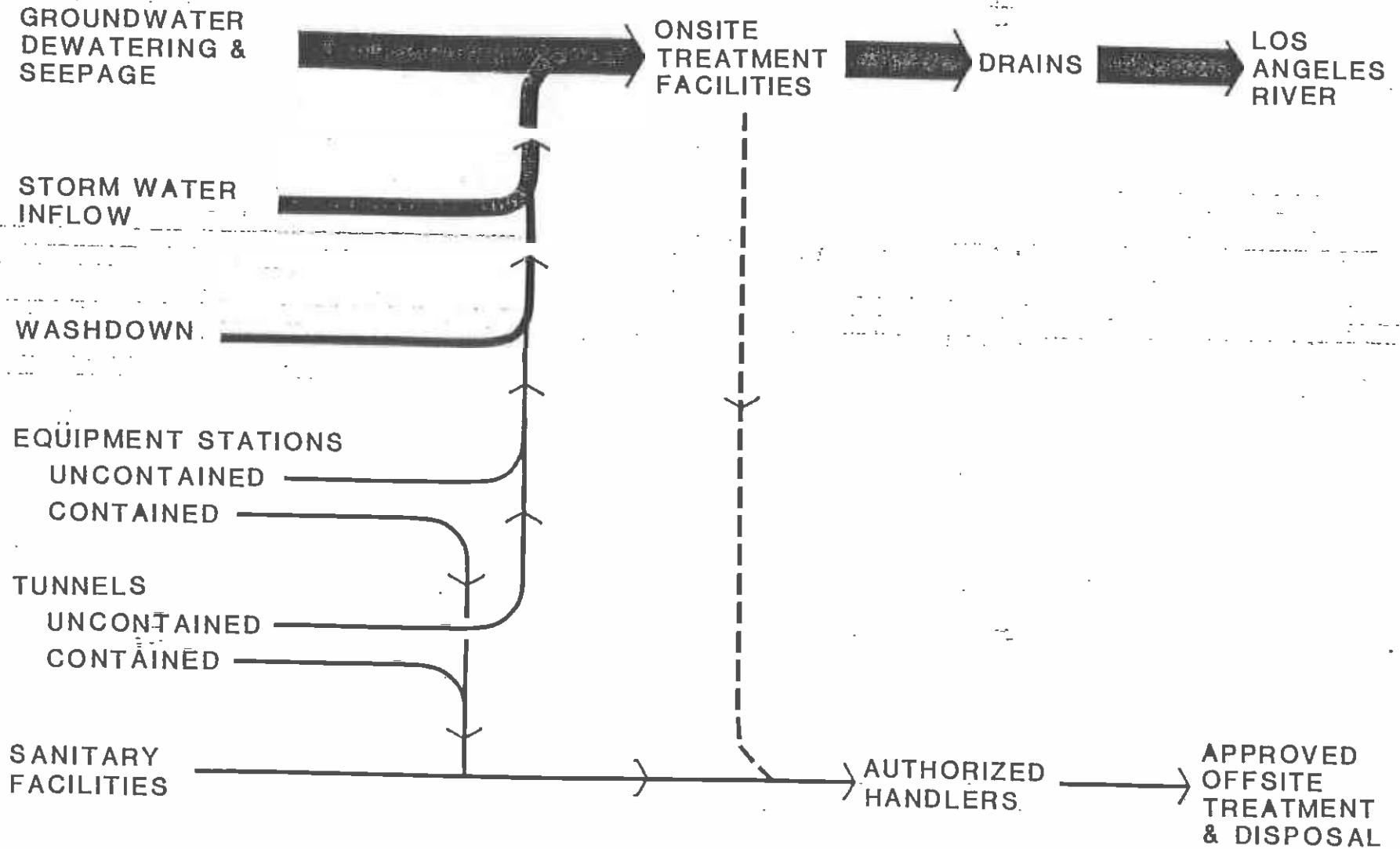
2.1 CONSTRUCTION DISCHARGES

During the construction of MOS-1, the first segment of the Metro Rail program for the Southern California Rapid Transit District (RTD), numerous project sites will discharge treated wastewaters and waters to the local drains and stream channels from site storm water drainage and from dewatering of the groundwater table at the project sites (Figure 3). Some cleaning and equipment-related wastewater will also be generated, treated, and discharged to drains and channels. These waters will be treated on-site by the contractors so that the discharges meet all applicable requirements for water quality of discharges to storm drains or to sanitary sewers.

2.1.1 TYPES OF DISCHARGES

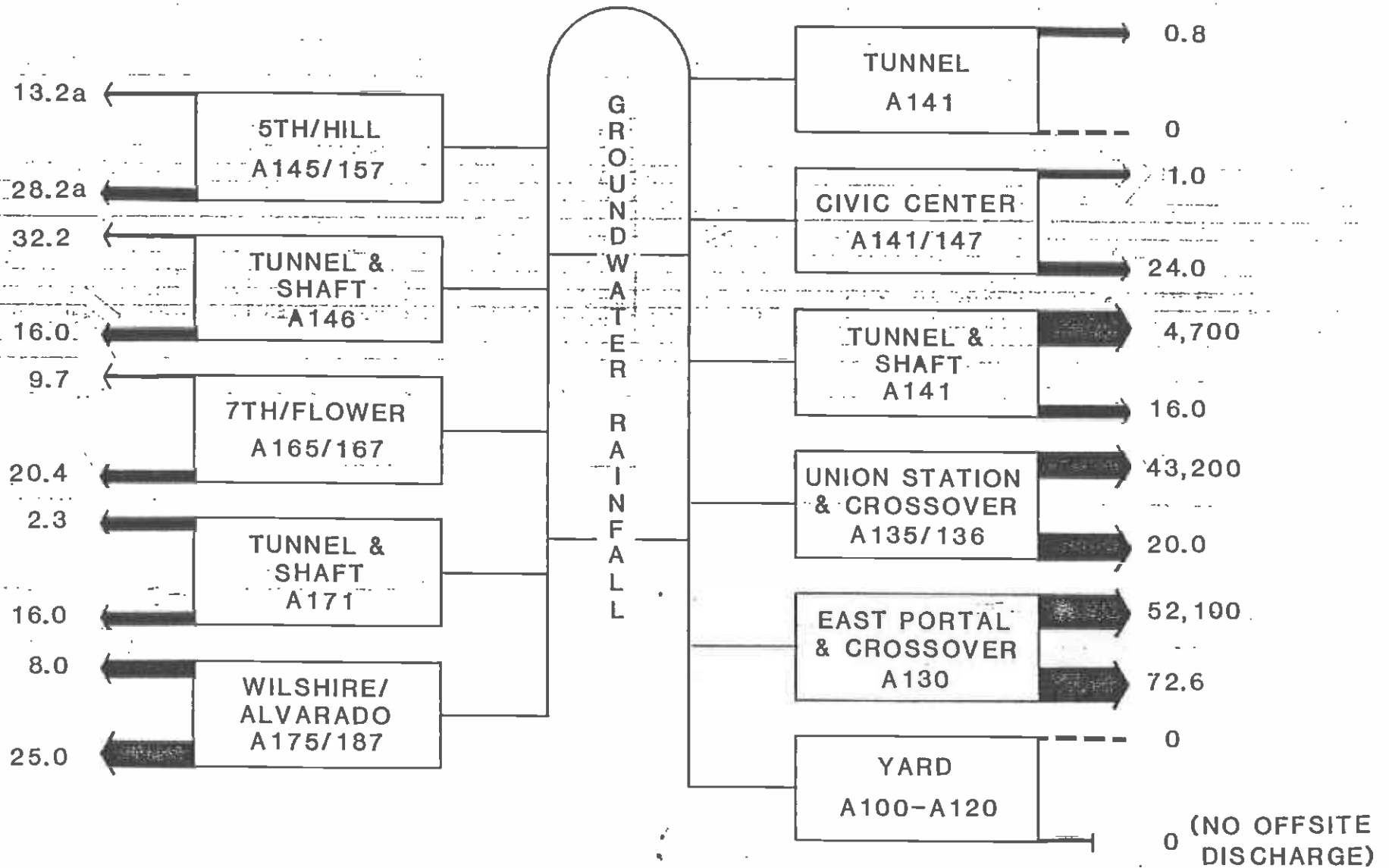
The largest discharges from construction sites (Figure 4) will be those from groundwater dewatering facilities, the largest being at the Union Station, East Junction, and Yard Portal south and east of Macy

FIGURE 3



**CONCEPTUAL DIAGRAM OF WASTEWATER FLOWS
FOR MOS-1 PROJECT SITES**

FIGURE 4



**MAXIMUM WASTEWATER IN FLOWS
FOR MOS-1 PROJECT SITES**

(a. FLOWS: DEWATERING/STORMWATER IN THOUSAND GALLONS PER DAY)

and Alameda Streets. Significant dewatering may be required at the north end of the 5th/Hill site and the tunnel access shaft at 5th/Hill. Construction in the Train Yard will not require any dewatering; all excavations will be above the groundwater table. Small volumes from dewatering will be discharged at the Civic Center, 7th/Flower, and Wilshire/Alvarado sites.

Largest storm water volumes will be discharged from the open excavations for the Yard Portal, Eastern Junction, Union Station and crossover and for the Wilshire/Alvarado station, crossover and tunnel access shaft. Other excavations for stations will be covered during most of the excavation periods. Once the roof slabs and backfilling have been completed during the later Stage I period, storm water at all sites will be diverted to or collected by the normal storm drainage systems. Storm water in the Yard area will percolate directly through the very permeable alluvial soil; eventually some storm water from building roof drains and other impermeable surfaces will be discharged through the planned storm drainage system. Although discharge may begin during the construction period, discharges from and through finished facilities are discussed in the operational section below (Sec. 2.2).

Three sites, Union Station, 5th/Hill, and Wilshire/Alvarado, will have dewatering and cleaning discharges coming from both station excavations and tunnel construction. Depending on the final scheduling, some tunnel construction discharges may occur from the Civic Center site.

Loading and hauling of excavated material may require truck and street washdowns within the construction sites during Stage I, and these washdowns would form wastewaters for discharge as part of the storm water drainage system for sites. If possible washdowns of trucks will be conducted elsewhere in regular operating washing facilities, perhaps related to the disposal sites. As needed washdown may be provided at MOS-1 sites. Largest such discharges are anticipated at the Union Station, Yard and the Wilshire/Alvarado sites, although a typical daily washing volume has been assigned to each station and tunnel.

During late Stage I and middle and late Stage II construction, pouring and finishing of concrete and other similar activities may result in cleaning fluids and equipment wastewaters which can not be treated with on site facilities. Furthermore, on site construction and training personnel may produce sanitary wastewater before Revenue Operations. These wastewater will be collected and will be discharged either as treated wastes (if possible), consigned wastewaters, or as pre-treated wastes discharged to the public sanitary sewers for eventual municipal treatment. Initially, equipment-related wastewaters and sanitary wastes will be collected by wastewater subcontractors and discharged under provisions of other permits.

Some sanitary sewer connections may be established following Stage I activities, and discharges to sanitary system will begin prior to Revenue Service. Such discharges will generally involve sanitary

wastes and some pre-treated wastewaters from cleaning concrete and finished surfaces and from cleaning and flushing pipes and equipment during commissioning. These wastewaters will be discharged to the sanitary sewers, not to storm drains.

Some equipment wastewaters may contain lubricants, other petroleum products, and materials which may be considered unsuitable for discharge to either the storm drains and sanitary sewers. Such waste fluids will be collected, stored and disposed of through authorized haulers and offsite disposal/treatment facilities.

No other waste, cooling, or process water is expected from construction at the various sites.

No restricted, highly toxic or hazardous materials will be used on project sites, and none will enter wastewaters discharged from the sites.

2.1.2 TEMPORAL DURATIONS

The general construction sequence of activities for Stage I will follow that in Figure 5, while the overall sequence of Stages I, II and III will follow the schedule shown in Figure 2. Volumes and durations of discharges will vary during the construction periods, although once excavations begin, dewatering will be on a relatively continuous basis until concrete work on the station boxes or tunnels has been completed (Figure 2). Dewatering rates will be higher for the initial lowering of the area groundwater levels than those for maintenance of depressed groundwater conditions. After initial dewatering for two-three months, discharges will decline from the maximum down to the average discharge rates until the end of concrete work for the upper walls and roof of the station boxes and the dewatering is stopped.

Depending upon the sequence of activities and their calendar dates, initial dewatering may occur during the winter rainy season and the period of maximum storm water drainage and discharge. Such coincidence will dramatically increase the maximum total wastewater discharges from sites at or near the Union Station. The same, but much lower peak flows may occur at the Civic Center, 7th/Flower and Wilshire/Alvarado sites, while no coincidence should occur at the 5th/Hill site.

GENERAL TEMPORAL SEQUENCE FOR STAGE I CONSTRUCTION

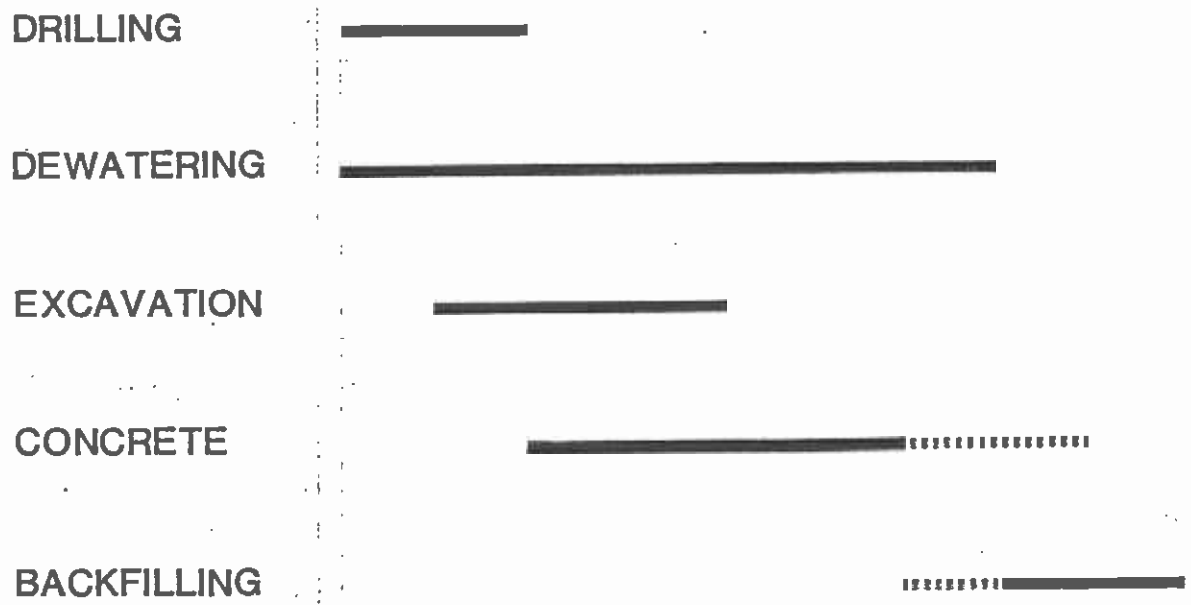


FIGURE 5

The current schedules (Figure 2) indicate the following activities by month/year related to wastewater discharges:

Schedules (Based on dates established in September, 1985)

<u>Sites</u>	<u>Soldier Pile Installation</u>	<u>Dewatering & Excavation</u>	<u>Box Closure and Backfill</u>	<u>Tunnel Boring</u>
Yard A110- 130	2-7/87	1/87-4/88	4/88-4/89	
Union Station A135	8/86-6/87	9/86-9/87	11/87-6/88	
Civic Center A141	10-12/86	1-7/87	4-10/89	
5th/Hill A145	2-10/87	3/87-5/88	6/88-1/89	
7th/Flower A165	12/86-7/87	1-11/87	6/88-1/89	
Wilshire/ Alvarado A175	12/86-8/87	1-11/87	1/89-8/89	
<u>Tunnels</u>				
Access A141	9-12/86	8/86-8/87	12/88-2/89	
US-CC A141		2-8/87		4-8/87
CC-5/H A141		9/87-3/88		11/87-2/88
Access A146	7-10/87	10/87-5/88	1-4/89	
5/H-7/F A146				10/87-9/88
Access A171	8-12/86	8/86-5/87	5-6/89	
7/F-W/A A171		4-5/87		12/87-7/87

As indicated above, most excavation would be completed by April, 1987 and backfilling over the completed concrete facilities would begin by January, 1989. From March to November, 1987, excavation would be conducted at all sites; although excavation would be underway, some concrete work would take place simultaneously after parts of the excavation reach the design invert level.

In the case of the Union Station area, the two-part construction of the station box will be used, and dewatering for this work and the adjacent construction of tunnels, junctions, and portal will prolong and increase variation of the discharges from maintenance dewatering. Because of the deep and widespread nature of the groundwater table in the Union Station-Yard area, dewatering should continue until the last structure has been completed to the roof slab. Dewatering requirements for other stations will be smaller and highly variable and will fluctuate with rainfall and local infiltration. Once the boxes are finished, groundwater dewatering and discharges will cease. Even construction storm water discharges from the station sites will be virtually eliminated with the completion of the roof slabs and backfilling, since street collectors will be re-established.

As initial concrete work is finished, cleaning discharges will increase for a short period (less than two months) and then decline.

In general, each tunnel will be bored in more than two and less than seven months and completed before finishing of concrete work on the station boxes. Dewatering and other wastewater from tunnels and washdowns should gradually increase while tunnels are bored, and then the volume should decline as tunnel walls are sealed. Conservative estimates of tunnel-related wastewaters is based on the assumption that tunnel linings will be placed or poured after completion of the entire boring. Dewatering will cease after the tunnel gas membranes and liner walls are installed; other work including cross-passage mining, placing invert-walkway, and connecting the tunnels to stations will not require any significant dewatering during the last half of the tunnel contracts. Discharge of tunnel-related wastewater will cease with the backfilling of the tunnel access shaft and before the completion of the station boxes. Once closed over, tunnel wastewaters will be combined with those of the stations to which the tunnels drain or discharged through the three tunnel sumps.

2.1.3 DISCHARGE FLOWS

Discharge flows for construction-related wastewater are estimated based upon the following data and information:

- o Pumping test of the alluvial groundwater table at Union Station

- o Geotechnical borings along the entire route of MOS-1 with
 - lithological composition
 - degree of compaction
 - porosity and permeability
- o Water levels and moisture content within borings
- o Estimated permeabilities of typical soil and bedrock types
- o Planned design storm with a 1.0 inch per day rainfall intensity.

Estimated wastewater flows are summarized in Figure 2 and Table 1.

Groundwater Dewatering - A series of geotechnical reports were prepared by the RTD geotechnical consultants (Kaiser Engineers, 1962 ; Converse 1981, 1983a-d, and 1984; excerpts in Appendix E) to provide the basis for design of stations and tunnels within MOS-1. These reports also contain discussions of groundwater conditions encountered during borings and of pumping tests conducted at the Union Station. The pumping tests and geotechnical analyses were used as the basis for development of conceptual dewatering and excavation support requirements. Tests and requirements of the geotechnical reports have been used for the basis for this application's estimates of permeability and dewatering discharges from alluvial groundwater tables submitted in this attachment to applications for NPDES permits.

In the same reports, estimates are also given for coarse and fine alluvium and for the Puente or Fernando formations. These general relationships of lithology and permeability were applied to the remainder of MOS-1 where no specific data is available (i.e., Macy/Alameda to Wilshire/Alvarado). The general permeability rates are as follows:

Type of Material	Instant Rates	Long-term Rates
coarse alluvium	0.03 cm/s	5.0 ft/d
fine alluvium	0.0001 cm/s	8.5 ft/mon
massive siltstone	0.000001 cm/s	1.03 ft/yr
siltstone with fractures	0.000001 cm/s	1.03 ft/yr

Geological samples, boring descriptions, and groundwater levels from borings indicate: 1) type of water-bearing formations and 2) the thickness of actual water-saturated soil, alluvium, and siltstone formation that may yield water to the dewatering wells. Based on

these reports, four general conditions can be distinguished within MOS-1:

- o Saturated groundwater table in the alluvium under the Yard to Macy and New High/Spring Streets
- o Artesian flow from rock aquifers at Wilshire/Alvarado site and possibly at Union Station
- o Perched groundwater in alluvial lenses within dry alluvium from 4th/Hill to 7th/Figueroa to Wilshire/Alvarado
- o Induced groundwater flow through alluvium and siltstone along Alvarado from 7th to Wilshire

Estimated dewatering requirements for Union Station were extended to estimate those for the Yard Lead (A130) and the initial portions of the Union Station-Civic Center Tunnel (A141); water levels, lithologies, and permeabilities are similar through this area. Flows from dewatering systems of other project sites were estimated by multiplying the wetted excavation walls and invert (bottom) or the tunnel surface areas times the estimated permeability of the lithologies of the excavations or tunnels. Permeabilities (flow per unit area per unit time) used in computations are higher values given by the geotechnical reports, and the dewatering flows assume unlimited groundwater reservoirs. The computed values, therefore, should be maximum average daily values.

Geotechnical reports indicated that the initial dewatering for drawing down the groundwater table level may be about 2.4 times that needed for maintaining a constant lower level. Maximum daily flows during the initial dewatering period for three months will be followed by a substantial decrease to average daily flows for maintenance given in the permit or even less.

The positive relationship of rainfall, storm water infiltration, and surficial groundwater will cause considerable variation in discharges between the wet/dry seasons and between the year preceding (1985/86) and the years during construction (1988/87, 1987/88, and 1988/89, see Figure 2). If the winter rainy season of 1985/86 has a high rainfall, then construction dewatering for most projects may be higher than the values indicated in this application. If both 1985/86 and 1986/87 are high rainfall years, then the values for both dewatering and for storm water may be even higher. This may be especially true with the relative (%) change at 5th/Hill and 7th/Flower sites. Marked increases of flows from dewatering generally occur in the rainy period of November to March, the groundwater usually rises more slowly than the total rainfall so that the high dewatering flows may occur during the later half of the rainy and early dry seasons (e.g. February to June) rather than the early half. If high heavy rainfalls and high storm water runoff flows occur during the February-March period (with rising groundwater levels) then high dewatering and storm water flows may occur simultaneously. Final construction schedules and seasons will be integrated at a later date for more detailed estimates of both

TABLE 1

SUMMARY OF CONSTRUCTION WASTEWATER FLOWS

Construction Discharge Points and Flows
(thousand gallons per day)

Discharge No. Project No.	001 A130	002 A135 A136	003 A141	004 A141 A147	005 A145 A157	006 A146	007 A165 A167	008 A171	009 A175 A187
I.7 INFLOW									
Local Supply	10	10	10	10	10	10	10	10	10
Surface	72.6	20.2	16.0	24.0	28.8	16.0	20.4	16.0	25.0
Ground	52030	43208	4708	0.6	13.2	32.2	9.7	2.3	8.0
Other	0	0	0	0	0	0	0	0	0
TOTAL	<u>52113</u>	<u>43238</u>	<u>4734</u>	<u>34.6</u>	<u>52.0</u>	<u>58.2</u>	<u>40.1</u>	<u>28.3</u>	<u>43.0</u>
I.8 USE									
Sanitary	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Others	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
TOTAL	<u>10.0</u>	<u>10.0</u>	<u>10.0</u>	<u>10.0</u>	<u>10.0</u>	<u>10.0</u>	<u>10.0</u>	<u>10.0</u>	<u>10.0</u>
I.9 DISCHARGES									
Surface	0	0	0	0	0	0	0	0	0
Sanitary*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Storm**	80.6	28.2	11.0	32.6	36.8	24.0	38.1	26.3	33.0
Consignment*	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Other**	52030	43208	4721		13.2	32.2	0	0	8.0
TOTAL	<u>52113</u>	<u>43238</u>	<u>4734</u>	<u>34.6</u>	<u>52.0</u>	<u>58.2</u>	<u>40.1</u>	<u>28.3</u>	<u>43.0</u>

* Sanitary wastes may be discharged with consignment wastes.

** Storm water and dewatering water may be discharged together.

storm water and dewatering discharges from individual project sites and for overall MOS-1 discharge.

Storm Water - Storm water discharges will occur at station sites and are estimated based upon a total 1.0-inch/day storm event or about twice the average storm intensity of 0.46 in per day. Since the actual excavation period will be about one-two years (first excavation to backfilling), a two year recurrent (50% probability, 50 such rainfalls within a 100-year period) rainfall event would be most probable peak rainfall during the excavation period. Since Stage I station excavations will continue through at least two winter rainy seasons (Figure 2), storms with a two-year recurrence (50% probability) should occur during excavation, and storm water drainage systems will be expected to discharge such storm flows.

Excavations will be conducted as cut-and-cover or as open-cut sites. In three cut-and-cover sites, excavations will be conducted under decking which will support traffic at street levels. The decking will be bolted together and may be coated with anti-skid materials and packed with dirt; some storm water will run off of the decking. Surface drainage collection system around the decking may divert runoff to adjacent storm drains, while water-soaked timber may expand and better seal the deck panels. Access, ventilation, and mucking-out portals in the decking will allow rainfall to directly enter the sites.

Three major project sites will be open-cut excavations: the Yard Portal-East Junction-East turn-outs, the Union Station-West Crossover, and the Wilshire/Alvarado Station-Crossover sites. Other open excavations will be minor and include various entrances, the three access shafts at Union Station, 5th/Hill, and Wilshire/Alvarado; these shafts may be partially covered and the open area would be less than 100 x 65 feet.

Discharge flow rates are computed from the storm intensity times the excavation area. The duration of discharge is assumed to be over a 24-hour period; higher intensity/shorter duration storms (i.e., 1.0-inch per 12hr, 3hr, or 1hr) would generate the same total daily volumes, although instantaneous rates would be considerably lower (2-12 times daily flow).

The decking (coated-timber) and drainage controls around the station excavations may divert rain water from directly or indirectly entering the excavations and thereby reduce total storm water flows. Minor flows reductions are expected and estimates of discharge flows from covered sites are assumed to be about 80 percent of that of an uncovered site (e.g. 600 ft x 50 ft x 0.083 ft/day [1.0 in/day] x 0.8).

2.1.4 WATER QUALITY

During the geotechnical investigations, samples of groundwater were taken for water quality analyses (Converse, 1981) and the results are

summarized in Table 2. and given in detail in Appendix E. The data clearly indicate that two types of groundwater were encountered in borings:

- o alluvial groundwater from the surficial groundwater tables and
- o deeper groundwater from aquifers within the Puente/Fernando formations.

The alluvial groundwater contains 500-1000 mg/l dissolved solids and low boron and chloride, although some nitrate/nitrogen values are higher than levels expected under natural conditions (generally less than 1.0 mg/l). Higher nitrogen/nitrate values may indicate the infiltration of fertilizers and sewage exfiltration from sewers. Poorer quality deeper groundwater (e.g., high dissolved solids, chloride, and boron) reflects the marine origin and lithology of the bedrock and mixing of water from petroleum-bearing formations. Petroleum, methane, and petroleum odors were encountered in four borings within the MOS-1 project corridor (CEG4:A130; 9-5 & 9-7: A171; CEG11:A175; See Map, Appendix A).

Major alluvial groundwater will be encountered from the Yard Portal to about 1000 ft west of Macy/Alameda and the Union Station (Contracts A130, A135, A141). The groundwater table is about 60 feet thick and extends for about 4000 ft east-west and from about 2000 ft north of the project alignment southward toward the ocean at Long Beach (Los Angeles Forebay). Perched groundwater tables may be encountered in the alluvium directly above the contacts with the underlying Puente/Fernando formations at the Civic Center, 5th/Hill, 7th/Flower, and Wilshire/Alvarado sites. Minor perched groundwater will be encountered along the entire route westward to the Wilshire/Alvarado site. At the Wilshire/Alvarado site (A175), minor perched groundwater may be augmented by artificial infiltration from the lake in MacArthur Park to the west. This induced perched groundwater may increase dewatering requirements at the west, outbound end of the station site.

The poorer quality of the deeper groundwater may be a limiting factor in discharges from project sites in MOS-1. The deeper water will be encountered in the following sites:

- Union Station to Civic Center to 5th/Hill tunnels
- Civic Center Station
- 5th/Hill Station (inbound end)
- 7th/Flower Station (outbound end)
- 7th/Flower-Wilshire/Alvarado tunnels
- Wilshire/Alvarado Station

Deeper groundwater will be avoided in some cases by proper seepage control and design of the dewatering systems in the Wilshire/Alvarado area and by coating treatments of excavated surface where permeable sands may be encountered in the well-consolidated siltstone. Poor quality groundwater may be either discharged to storm drains after proper treatment or consigned to approved waste fluid haulers and treatment and disposal facilities.

TABLE 2
GEOLOGIC, WELL, AND WATER QUALITY DATA FOR BORINGS

IN METRO RAIL MOS-1

Boring Number and Location	Formation Thickness (feet)		Piezometer Performance Depths(ft)		Sample Depth (feet)	Water Quality (mg/l)	
	All*	Bdrk*				TDS	Boron
East Portal							
1	30	119	0-50	114-119	26	1260	1.0
2	12	78	60-95		11	410	0.9
Yard Portal East Junction							
3	90	60		105-150	33	3720	5.0
4	100	50		115-145	30	5090	7.0
Union Station							
6	80	70	--	110-145	19	20200	38.0
6A					30	1050	ND
5th/Hill							
8A					15	560	
7th/Flower							
9	50	150	35-60	160-200	106	490	0.7
10	38	164	22-42	160-195	23	4460	2.4
Wilshire/Alvarado							
11	21*	180	--	30-201	0**	4460	2.4
West McArthur Park, not MOS-1							
12@	32	168	60-80	160-195	20	6040	14.0

* Alluvium (All) or weathered geologic formation (Bdrk) in place.

** Arestian flow from well.

@ West of the limits of MOS-1.

Reference: Converse, et, al, 1981

Provisions exist in contract specifications and environmental documents to meet all federal, state, and local agency requirements for discharge of wastewaters (Appendix B and C). Treatment facilities for suspended solids and oils are required and are specifically related to general site discharges. Drilling of dewatering wells and perhaps soldier pile holes will produce large amounts of suspended solids which will be treated before discharge or will be consigned to approved haulers or disposers. Dewatering wells will produce high suspended solids which will require treatment during the first few weeks of operations. Suspended solids will decline as the pumping cleans the well and surrounding alluvium and then additional treatment may be discontinued.

All sanitary wastes and wastewaters from equipment will be transported from the project sites and disposed of in accordance with existing discharge permits of the wastewater handlers. Other non-sanitary wastewaters discharged directly from the project sites will be treated in accordance with the current discharge requirements. Water discharged to the storm drains will conform with the federal, state, and local requirements for discharge. Storm water quality entering and leaving the sites should be identical with that now entering the storm drain systems.

A major water quality concern has been expressed regarding the possible discharge of natural oily wastes either as solids or within runoff and dewatering from sites. Within the MOS-1 area, no significant amount of oil has been encountered in any geotechnical borings within project sites. Excavated materials and the groundwater are not expected to contain any significant amounts of oil, and therefore no oil is expected to be discharged to the storm drains. In the event that any oil is encountered, all contractors will be required to treat any water containing hydrocarbon and to not allow discharge of hydrocarbon above the required limits. Oil separation will be conducted within the site, and the separated oils will be consigned to authorized disposal companies as will be other untreatable contaminated wastewater. The most probable occurrences of oil-contaminated wastewater will be from tunnels during boring of tunnels on the Union Station-5th/Hill (A141) and Wilshire/Alvarado - 7th/Flower (A171) lines. Lubricating oils and hydraulic fluids from the tunnel boring machines and natural petroleum may also contaminate the groundwater seepage into the tunnel.

2.1.5 MONITORING PROGRAM

The monitoring program for wastewater flows will involve several phases which in some cases are closely linked to the instrumentation program of each project. Dewatering causes subsidence of the alluvium and ground surfaces and of any supported structure, and groundwater dewatering will be monitored for flow and water levels as part of the instrumentation programs. Installation of instrumentation borings, groundwater observation wells, and soldier pile borings will allow access to both the shallow and deeper groundwater and early

identification of oil contaminated groundwater or saline water prior to dewatering. Once identified dewatering well discharges will be monitored; water quality and treatment facilities will be visually inspected on a daily basis and as needed continuous instrumentation will be provided.

Water quality analyses will be conducted based upon the requirements of federal, state, and local agencies, generally once a month or more frequently during initial operations, major storms, or system malfunctions. Inspection reports and analyses will be submitted to agencies on a regular basis and as incident report whenever unusual conditions may occur.

2.2 OPERATIONAL DISCHARGES

2.2.1 TYPES OF DISCHARGES

Operational flows from MOS-1 facilities after construction will normally involve three types of discharges:

sanitary waste effluents to municipal sewers,
storm water and general inflow to storm drains, and
fire suppression discharges and pipe rupture to storm
drains.

The last category represents an emergency condition and will not be covered under this applications; similarly sanitary flows are only discussed as background and are also not included in the applications.

Normal operations can result in the discharges from the following facilities:

Yard	Storm water, cleaning fluids, and sanitary wastes Two sumps, north and south ends
Tunnels	Storm water, seepage inflow, and washdown Sump for Yard Portal to Yard (A130) Sump in East Junction (A130, installed but future operations only) Sump near Main at Macy Streets (A141, Union Station-Civic Center tunnel) Sump near 6th-7th/Olive Streets (A146, 5th/Hill-7th/Flower tunnel) Sump at 7th/Harbor Freeway (A171, 7th/Flower - Wilshire/Alvarado cunnel)
Stations	Storm water, seepage, and washdown and sanitary wastes Union Station (east; west) Civic Center (1-south; 2-north and south) 5th/Hill (2-north and south; 2-north and south) 7th/Flower (1-west; 1-west) Wilshire/Alvarado (1-west; 1-west)

Flows from these facilities will enter existing, new, and relocated storm drains and sanitary sewers (latter not covered in this application). All but one storm water discharge (Wilshire/Alvarado west) will enter the Los Angeles River north of the 7th Street Bridge. Storm water discharges from the west end of the Wilshire Alvarado Station will pass through storm drains to the Ballona Creek drainage.

Normal discharges covered in the applications include storm water and whatever (if any) seepage may enter the facilities. The storm water will form the only significant source of flows from the facilities and will only discharge that volume which is currently discharge by other facilities (e.g. streets, parking lots, and buildings). Storm water flows from the Yard maybe larger than those at present due to the installation of a sub-surface collection and drainage system which will discharge to the storm drains rather than through the current infiltration of rainwater into the groundwater table.

Groundwater seepage into the facilities is included in the applications, although the design of the underground facilities are such that membranes and liners will prevent gas inflow and water seepage. If water seepage does occur, measures will be taken in order to eliminate the seepage not because of potential water damage but because such seepage inflow will also indicate potentially more serious combustibile gas inflow.

2.2.2 DISCHARGE FLOWS

Flow volumes will vary markedly and only general estimates are included herein (Table 3). Sewage flows are estimated on an assumed user equivalence of 100 persons at each station and a use rate of 20 gal/person/day or a total of 2000 gal per station per day. Sewage discharges to municipal sewers are not included in the NPDES permit; no sanitary sewage will be discharged to storm drains.

General inflow to the storm drains will be of very short duration. Rain water is the only major source of inflow and will enter the enclosed facilities through station entrances and the Portal Yard. The largest rain water inflow into a structure will be carried by trains coming from the Yard and will flow down the inclined approach to the Yard Portal. Actual flows will vary with the amount of entrance area exposed directly to the weather.

Groundwater seepage inflows will be minimal, if present at all. If any seepage would occur the most likely areas would be bewteen the Yard Portal and West Union Station Crossover and along the Union Station-Civic Center and the 7th/Flower-Wilshire/Alvarado tunnels due to the higher water tables and large cross-sectional area exposed.

The maximum discharge for a typical rainy station from stations is estimated at 500 gpm for 5 minutes on two days per month during the rainy period of November to April and on two days during the remaining six months of the year. Additional inflow will occur at the Yard

TABLE 3

OPERATIONS WASTEWATER FLOWS

Operations Discharge Points and Flows
(thousand gallons per day)

Discharge No.	<u>Yard</u>			<u>Tunnel</u>			
	020	021	022	023a	024	025	026
I.7 INFLOWS							
Local Supply	-	-	-	-	-	-	-
Surface	Avg. 67 Max. 1062	236 3750	25 393	-	0.3	0.3	0.4 c
Ground-water	-	-	-	-	-	-	-
TOTAL	Average 67 Maximum 1062	236 3750	25 393	0.0	0.3	0.3	0.4
I.8 USES							
Sanitary-b	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0
TOTAL-b	0	0	0	0	0	0	0
I.9 DISCHARGES							
Surface	-	-	-	-	-	-	-
Sanitary	-	-	-	-	-	-	-
Storm	Avg. 67 Max. 1062	236 3750	25 393	0	0.3	0.3	0.4 c
Consignment	-	-	-	-	-	-	-
TOTAL	Average 66 Maximum 1062	263 3750	25 393	0	0.3	0.3	0.4

a. Discharge only after East Portal is constructed.

b. Local supply and sanitary use and discharge would be about 2000 gpd, but are not covered by permit applications.

c. Average based on 2-year return rainfall event, maximum on 50-year rainfall event.

Table 3

OPERATIONS WASTEWATER FLOWS (Cont'd)

Operations Discharge Points and Flows
(thousand gallons per day)

		<u>Stations</u>				
		031	032	033	034	035
I.7 <u>INFLOWS</u>						
Local Supply-b		-	-	-	-	-
Surface	Avg. 3.7 Max. 59.2	3.4 54.1	4.0 59.4	4.0 64.2	2.2 33.9	c
Ground- water		-	-	-	-	-
TOTAL	Average Maximum	3.7 59.2	3.4 54.1	4.0 59.4	4.0 64.2	2.2 33.9
I.8 <u>USES</u>						
Sanitary-b		0	0	0	0	0
Others		0	0	0	0	0
TOTAL		0	0	0	0	0
I.9 <u>DISCHARGES</u>						
Surface		-	-	-	-	-
Sanitary-b		-	-	-	-	-
Storm	Avg. 3.7 Max. 59.2	3.4 54.1	4.0 59.4	4.0 64.2	2.2 33.9	c
Consignment		-	-	-	-	-
TOTAL	AVERAGE MAXIMUM	3.7 59.2	3.4 54.1	4.0 59.4	4.0 64.2	2.2 33.9

Portal and discharge from this tunnel segment will be higher than at stations, 500 gpm for 10 minutes. The remaining tunnel discharges of seepage water are assumed to be much less than either of the above facilities; here assumed at 0.1-0.01 of discharge from the Yard Portal system or about 5-50 gpm for 10 minutes eight times per year.

Discharges of non-sanitary wastewater flows require NPDES permits and are identified as follows (See Map, Appendix A):

<u>Permit Number</u>	<u>Area</u>	<u>Contract Number</u>	<u>Location in Los Angeles</u>
Tunnels			
020	South Yard	A-112	4th/Santa Fe Street
021	North Yard	A-112	2nd/Santa Fe Street
022	Yard Portal	A-130	Commercial/Center Street
023	East Junction	A-130	Keller/Center Street
024	Union Station Tunnel	A-141	Main/Macy Street
025	5th/Hill Tunnel	A-146	6th-7th/Hill-Olive Streets
026	7th/Flower Tunnel	A-171	7th Street/Harbor Freeway
Stations			
031	Union Station	A-135/136	West Alameda Street, end
032	Civic Center	A-141/147	South, First Street, end
033	5th/Hill	A-145/157	South, 5th Street, end
034	7th/Flower	A-165/167	West, Lebanon Street, end
035	Wilshire/Alvarado	A-175/187	West, Alvarado Street, end