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# 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

Sionature

Date Supplement Signed

Director of Engineering Transit Facilities Official Title

Date Application Signed

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FORM APPROVES OME NG. 153-AUDI

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## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

## STANDARD FORM C - MANUFACTURING AND COMMERCIAL

#### SECTION I. APPLICANT AND FACILITY DESCRIPTION

Uniess Coherwise specified on this form all Rems are to be completed. If an Rem 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	101	Southern California Rapid Transit District
	(see instructions)		
2.	Mailing Address of Applicant (see instructions) Number & Street	102#	425 South Main Street
	City	1025	Los Angeles
	State	1020	CA
	ZID Code	1020	90013
3.	Applicant's Authorized Agent (see instructions) Name and Title	1032	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams) Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1035	600 South Spring Street, Suite 1200
	City	103c	Los Angeles
	State	1034	<u>CÀ</u>
•	Zip Code	103e	90014
	TeleDacae	1035	213 <u>489-6941</u> Area Number
4,	Previous Application If a previous application for a National of Federal discharge per-		Area Number - Code
	National or Program discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	N/A

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.

Director of Engineering J.E. Crawley Transit Facilities 102e Title Printed Name of Person Signing 1021 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 wilfully faisifies, 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.

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FOR AGENCY USE

CFFICE: \_\_\_\_EPA Region Number

	5. Facility/Activity (see instructions		001-	
)	Give the name, ownership, and Physical location of the plant or other oberating facility where dis- charge(s) does or will occur.	*	•	FOR AGENCY USE
	Name	105a	East Portal & Crossover A130	
	• •	• •	Southern California Rapid Transit Dist	
			Los Angeles	-ict
	Ownership (Public, Private or		· · ·	
	Both Public and Private)	1056	ØPUB □PRV □BPP	
	Check block if Federal Facility and give GSA Inventory Control	105c		
	Number	1050	· · · ·	
	Location		• •.	
	Street & Number	1054	Jackson/Center to Vignes/Ramirez	
	City	1051	Los Angeles	
	County	1059	California	
	State	losn	Conitration	
	6. Nature of Business State the	State of the	<u>Construction and Operation of</u>	
	nature of the business conducted at the plant or operating facility.	106a.*	Rapid Transit System	
	- the store of operating facility.			
	-	10£6	AGENCY USE	· .
	· · · · · ·		and the second	*
	<ol> <li>Facility Intake Water (see instruc- tions) Indicate water Intake volume per day by sources. Estimate average volume per day in thousand gations per day.</li> </ol>		· · · ·	·
	Municipal or private water system	- 1073	10.0	
	Surface water	1075		
	Groundwater	107e	52020	
	Other"	1	()	• •
		1070	thousand gallons per day	
	Total Item 7	307e-	. 52113 thousand gallons per day	
	"if there is intake water from "other," specify the source.	1071		• •.
	- 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	10E2	<u> </u>	
	Boller (eed water	10#5	0 thousand gallons per day	
	Process water (Including contact		thousand gallons per day """". *-	
	Cooling water)	108c _	thousand gallons per day	
	Sanitary water	1024	1.0 thousand gallons per day	
	O ther	108.	9.0	
	. Total Item 8		thousand gallons per day	
	"If there are discharges to "other," soccify.		Equipment water supply and washdown	
	If there is "Sanitary" water use, give the number of Deoble served.			
	at aconte 261460.	108h	100 people served	

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All Facility Olscharges and other Lessest Number and Disenarge (See Instructions) Volume Specify the number of discharge points and the volume of water discharged or lest from the facility according to the categories below. Estimate average volum gailons per da

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3.

average volume per day in thousand	Number of	Tatal Volume Used
gallons per day.	Discharge	or Discharged,
	Points -	Thousand Gat/Day
Surface Water	10931 0 10932	0
Sanitary wastewater transport System	10391 10392	1.0
-	2	80.6
Storm water transport system	109c1 109c2	
Completed sanitary and storm	- 「「「「」「「」「」「」「」「」「」「」「」「」「」「」「」「」「」「」「」	
water transport system	103d1 103d2	0
Surface Impoundment with no	1	
effluent	103e1 103e2	0
•	· [··· 1 전 · · · · · · · · · · · · · · · ·	
Underground percolation	10912 0 10912	0
Well Injection	10991 10992	0
Waste acceptance firm	103h1 109h2	1.0
Evaporation	tosis U	0
Consumption .		0
Other*	103x1 3 103x2	52030
Facility discharges and volume	7	
Total Item 9.		52113
· Arm (fill) 3.		
	Summer 2012	
" If there are discharges to 'other,"		
SDecify.	Tosmi Dewatering dis	charges to stormdrains

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FORM APPROVED OME No. 155-R0100

# FOR AGENCY USE

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

	1 .					e troin this facili	ty (see instructio	ini).
110	Issuing Agency	For Agency Use	Type of Permit or Licénse	ID Number	Date Filed Y9/M0/DA	Date Issued YR/MO/DA	Date Denied YR/M0/DA	Expiration Date YR/MO/DA
		Sec. 36 (6) (2 % 2)	<ul> <li>The (c) @Property</li> </ul>	- بن (D) ما <sup>(1)</sup> تار	ar -Per (a) Wares	a location in	- white the m	
1.	Los Angele	S					1999 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19	1.2.2.5 (H) con 4.4.
		Switz - Aller						<u> </u>
2.								-
	ľ	Sector Sector	· · ·		<b> </b>	<u> </u>		
з.[	.			•	<u> </u>			
		A. Contraction						

11. Maps and Drawings ÷, Attach all required maps and drawings to the back of this application (see instructions) ٠. ÷2 н. не "

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# 12. Additional Information

ST2 Rem Number

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	Information	
<u> </u>		
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FORM SPPROVED OMB No. 158-R0100

# STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE							
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### SECTION IL 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 inrough a treatment works prior to being discharged to surface waters. Discharges to wells must be described where liner 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 refiect 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		
	<ul> <li>a. Discharge Serial No. (see instructions)</li> </ul>	201a	
	b. Discharge Name	2016	East Portal/Crossover
	Give name of discharge, if any. (see instructions)		Construction A-130
	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		e.
	a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	202a	<u>та но</u>
	b. Discharge to Begin Date. If the discharge has hever occurred but is planned for some future date, give the date (within best exti- mate) the discharge will begin.	2026	86 1 YB MO
	c. Discharge to End Date If dis- charge is scheduled to be discom- tinued within the next 5 years, give the date (within best esti- mate) the discharge will end.	202c	<u>92 7</u> YR MO
3,	Engineering Report Available Check of 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.		Agendy Use
	State .	2044	California 2044
	County	2045	Los Angeles 204e
	(if applicable) City or Town	204c	Los Angeles Zoar
5.	Discharge Point Description Discharge is into (check one); (set instructions)		
	Stream (includes ditches, arroyds, and other intermittent watercourses)	205a	□STR
	-		
	Ocean		
	Municipal Sanitary Wastewater Transport System		Ймтs
	Municipal Combined Sanitary and Storm TransPort System		□mcs

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System       Cars         Vest (infection)       Uvest         Convert       Uvest         Statesays: Paint = Lattores (infection)       Cars         Land Disposal and Evaporation (Optional)       Infection)         Inference (infection)       Cars         Land Disposal and Evaporation (Optional)       Inference (infection)         Inference (infection)       Cars			FOR AGENCY US
Citer If 'ciner' is checked, socily Land Disposal and Evaporation (Optional) Land Disposal and Evaporation (Optional) Land Disposal and Evaporation (Optional) And Charge Main - Lather Construct of scharge form analysis school Lasher Longitude 2005 2007			CX STS
If 'start' is checked, specify       2000         F. Discourse Paint - Lifthang Give breased science of the source of the massed second. Latitude       340 cc.       2.min       30.scc         Land Disposal and Evaporation (Cotional)       340 cc.       2.min       30.scc         J. Land Disposal and Evaporation (Cotional)       340 cc.       2.min       30.scc         J. Land Disposal and Evaporation (Cotional)       340 cc.       2.min       30.scc         J. Land Disposal and Evaporation (Cotional)       340 cc.       2.min       30.scc         J. Land Disposal and Evaporation (Cotional)       340 cc.       2.min       30.scc         J. Land Disposal and Evaporation (Cotional)       30.scc       340 cc.       30.scc         J. Land Disposal (Land, form Source and Source	West (Injection)		□wε∟ .
<ul> <li>a. Dictorys Paint - Latytoner Give of the Bolt of the Bo</li></ul>	Other		Сотн
Unterstelle location of the Solid of setsingly (1 the market second. Lastitude       340 cto	It 'other' is checked, specify	2056	Land Disposal and Evaporation (Optional)
Longitude     2065     118_066     15_MIN     00.sec       7. Discharge Receiving Water Name Nome the waterwark it the point of energy is through an out- time of balaxy is manual.     2076     Storm Drain to Los Angeles River       11 for discharge is through an out- time of balaxy is manual.     2077     For Agency Us: Magel Moort Sup 2078     For Agency Us: Storm Drain to Los Angeles River       2078     For Agency Us: Magel Moort Sup 2078     N/A     Feet       2079     Magel Moort Sup 2078     N/A       8. Obscarge Obscharge Course and Obscarge Obscharge Course wether the discharge is score thunder is discore Dors and Course the obscharge Type and Occurrence a. Type of Discharge Course or information of discharge Information or of discharge Tormal Occurrence Discores Occurse     N/A       9. Obscharge Occurrence Dors and through or information or of discharge Information or of discharge Information or of discharge Information or of discharge Occurrence How through or is the moorth or information (See Information or of discharge Obscharge Information or of discharge Obscharge Information or not the Stare Information or not the Stare Information or not the Stare Information or not filter Information or not filter Information or not stare Information or not of Biologie Course is allow.     2080       9. Information Discharge Duration or not of Biologie Course is allow in the stare through on get stare is allow in the stare occurrence is allow in course occurrence is allow in or stare occur	the precise location of the point		
7. Discharge Accelving Water Name Norme the waterway 31 the point of sitemarge.ties instruction:       2274       Storm Drain to Los Angeles River         11 If the discharge is through an out- ting of balow the main flow water line, consistent term 1.       2076       For Atency Use Mater Line of a balow the main flow water line, consistent term 2.         2.       Offshere Discharge       2078       N/A feet       2078         3.       Discharge Optin Balow Water Surface and Occurrence       N/A feet       N/A feet         3.       Discharge Type and Occurrence the option Balow Water Surface of Discharge Days for theory of Informitien theory of Discharge Days for theory of Discharge Days for theory of Discharge Days for theory of Discharge Days for theory of Discharge Course of Clinarge Occurrence Days for theory of Discharge Days	Latitude	2063	34 DEG 2 MIN 30 SEC
Nome the waterway at the point of discharge.ites infructions!       207       Storm Drain to Los Angeles River         If the discharge.ites infructions!       207       Image: Image	Langitude	2065	118 DEG 15 MIN 00 SEC
If the discharge is through an out- tine or is backwiths mean to- water tine, consistence is avoid.       2076       2076         Iter or is backwiths mean to- water tine, consistence is avoid.       2076       2076         S. Offshare Discharge       0.016narge Costines.from Shore       2088         B. Discharge Type and Occurrence       N/A       feet         A. Type of Discharge Cocurrence       N/A       feet         J. Discharge Cocurrence       Right for the swerge number of discharge Cocurrences Days der werks. Enter the swerge number of discharge occurrence.       2088         J. Discharge Occurrence This out of throus or intermittent.       2089       Zisten the swerge number of discharge occurrence.         Discharge Occurrence - Monthsi or share-towned rate (table of the swerge number of discharge occurrence.       Zore       Zore         Zore       Zore       Zore       Zore         Discharge Occurrence - Monthsi or share-towned rate (table of the swerge number of discharge occurrence       Zore       Zore         J. And State the average this out       Zore       Zore       Zore         Discharge Occurrence - Monthsi out is obstating. (the instructions)       Zore       Zore       Zore         Discharge Occurrence in thousands of splotn.       Zore       Zore       Zore       Zore         Discharge Occurrence in thousands of splotn.       Zore	Name the waterway at the point	1	Storm Drain to Los Angeles River
<ul> <li>a. Discharge Okitance from Shere</li> <li>b. Discharge Opsin Balow Water</li> <li>S. Discharge Type and Occurrence</li> <li>a. Type of Discharge Check</li> <li>whether the discharge is continuous</li> <li>clinit discharge Check</li> <li>whether the discharge is continuous</li> <li>clinit discharge occurrence Oaviour</li> <li>b. Onscharge Occurrence Oaviour</li> <li>discharge occurrence Moniths</li> <li>discharge occurrence</li> <li>discharge occurrence</li></ul>	fail that extends beyond the shore- line or is below the mean tow	· ·	Major Minor Suo 303e
<ul> <li>b) Discharge Oppin Below Water</li> <li>c) Discharge Type and Occurrence</li> <li>a) Discharge Type and Occurrence</li> <li>c) Discharge Occurrence Days der week</li> <li>c) Discharge Occurrence Days der discharge Occurrence</li> <li>c) Discharge Occurrence Discharge Outration and Frequency</li> <li>c) Intermittent Discharge Duration and Frequency</li> <li>c) Intermittent Discharge Duration and Frequency State the average number of discharge Occurrence.</li> <li>c) Discharge I doration days der week average mumer of discharge Occurrence.</li> <li>c) Discharge Occurrence Days Der discharge Occurrence.</li> <li>c) Discharge Duration and Frequency</li> <li>c) Intermittent Discharge Duration and Frequency State the average number of discharge Occurrence</li> <li>c) Discharge I doration days der discharge Occurrence.</li> <li>c) Discharge Duration and Frequency</li> <li>c) Intermittent Discharge Occurrence</li> <li>c) Discharge Duration and Frequency</li> <li>c) Intermittent Discharge Occurrence</li> <li>c) Discharge I discharge Occurrence</li> <li>c) Discharge Duration and Frequency</li> <li>c) Discharge Duration and Frequency</li> <li>c) Discharge Duration and Frequency</li> <lic) discharge="" occu<="" td=""><td>8. Offshore Discharge</td><td></td><td></td></lic)></ul>	8. Offshore Discharge		
Surface       2080       N/A       feet         Surface       2080       N/A       feet         Surface       2080       Q (con) Continuous         Intermittent de discharge is con- tinuous or intermittent.       2080       Q (con) Continuous         It intermittent       2080       Q (con) Continuous         It intermittent       2080       Q (con) Continuous         It intermittent       2080       Q (con) Continuous         It ints discharge ormality operates (clure mainter an expanded basic (during over continuous) or nust mainter an expanded basic (during or continuous) or nust mainter an expanded basic (during or continuous) (oncolete item 51 and 11 if "Inter- tiftent" is encided in item 5.4      2080         Ibremittent Discharge Quantity State the average outling and Prequency       218       N/A         Intermittent Discharge Duration and Prequency       2111       M/Ahours ber day under of discharge occurrence         Intermittent Discharge Duration precess or day the bayerage number of discharge occurrence       2111         Intermittent Dischar	a. Discharge Distance,from Shore	2083	/Afeet
<ul> <li>Type of Discharge Check whither the discharge is continuous or intermittent. It is instructions?</li> <li>Oischarge Occurrence Days per week (during periods of discharge occurs.</li> <li>C Discharge Occurrence —Moniths of days per week (during periods of discharge occurs.</li> <li>C Discharge Occurrence —Moniths or and severate (lither intermittent). and checked in item ensitient and severation. (see instructions)</li> <li>Complete items 10 and 11 f "Intermittent Discharge Duration and Frequency of the unstands of gainons.</li> <li>Intermittent Discharge Duration and Frequency of the unstands of gainons.</li> <li>Intermittent Discharge Duration and Frequency for the severage number of discharge occurrence.</li> <li>Intermittent Discharge Duration and Frequency State the severage former of hours per day mumer of discharge occurrence.</li> <li>Intermittent Discharge Duration and Frequency State the severage function.</li> <li>Intermittent Discharge Duration and Frequency State the severage number of hours per day mumer of discharge occurrence.</li> <li>Intermittent Discharge Duration and Frequency State the severage number of hours per day mumer of discharge occurrence.</li> <li>Intermittent Discharge Duration and Frequency State the severage number of hours per day mumer of discharge occurrence.</li> <li>Intermittent Discharge Duration and frequency State the severage number of hours per day the discharge occurrence.</li> <li>Intermittent Discharge Duration and frequency State the severage number of hours per day the discharge occurrence.</li> <li>Intermittent Discharge Courtence in the severage number of hours per day mumer of discharge occurrence.</li> <li>Intermittent Discharge Courtence in the severage number of hours per day mumer of discharge occurrence.</li> <li>Intermittent Discharge Courtence in the severage number of hours per day mumer of discharge occurrence.</li> <li>Intermittent Discharge Courtence in the severage number of hours per day mumer of discharge occurence.</li> <li>Intermittent</li></ul>		1 1	
<ul> <li>A. Type of Discharge Check we welk meters the discharge is continuous or intermittent. (See instructions)</li> <li>Discharge Occurrence Days per week (during periods of discharge neuronal to gail of days per week (during periods of discharge neuronality) or continuously on iest than a year and intermittent?</li> <li>Discharge OccurrenceMonths if this discharge neuronality or continuously on iest than a year and intermittent or discharge occur.</li> <li>Discharge OccurrenceMonths if this discharge neuronality or continuously on iest than a year of the discharge occur.</li> <li>Discharge OccurrenceMonths if this discharge occurrence is operating. (See instructions)</li> <li>Discharge OccurrenceMonths if the months during reserved in the discharge occurrence.</li> <li>Discharge Occurrence in thousands of gailons.</li> <li>Intermittent Discharge Duration and Fredurency is operating.</li> <li>A. Intermittent Discharge Duration Per Oay State the average mumber of Maus Der day the discharge occurrence.</li> <li>M/A</li></ul>	5. Discharge Type and Occurrence		
(see instructions) <ul> <li>(int) Intermittent         </li> <li>(int) Intermittent         </li> </ul> b. Orcharge Occurrence Days per week              Zays per week               Zays per week            c. Olischarge OccurrenceMonths               Zose               Zays per week            c. Olischarge OccurrenceMonths               Zose               Jan              [FEB   MAR    APR            operates leither intermittently,             or continuously on less than             a yaea-Jound basis (excluding             shutdowns for routine mainte-             ance, Check the month our             ing the year when the discharge             is operating. (see instructions)               SEP   OCT    NOV    DEC            iomoblet items 10 and 11 if "Inter-             titermittent Discharge Quantity             State the average outure per discharge occurrence.               N/A             thousand gallons per discharge occurrence.            11. Intermittent Discharge Duration             and Frequency             State the average Duration             and Frequency             State the average Duration             endiffere             of discharge occurrence             Zili             /// Ahours per day             mumber of Hour per day the             discharge occurrences per day             mumber of discharge occurrence             mumber of discharge occurrence             adischarge occurrences per day             mumber of discharge occurrence             macharge occurrences per day             m	whether the discharge is con-	1	🖳 (con) Continuous
week Enter the average number of days per week 203b			[ (int) Intermittent
<ul> <li>C. Discharge OccurrenceMonths If this discharge normally operates (either intermittently, or continuously on last than a year-around basis (tectuding shutdowns for routine mainter- nance), check the months dur- ing the year when the discharge is operating. (see instructions)</li> <li>Comolete Items 10 and 11 If "Inter- hittent" is checked in Item 9.a hitherwise, proceed to Item 12: State the average outume Der dis- charge occurrence in thousands of gallons.</li> <li>Intermittent Discharge Duration and Frequency <ul> <li>Intermittent Discharge Duration and Frequency</li> <li>Intermittent Discharge</li> <li>Zilla</li> </ul></li></ul>	Wetk Enter the average num- ber of days per week (during periods of discharge) this dis-	2096	<u></u>
If this discharge normality       2095       □JAN       □FEB       □MAR       □APR         Operates (either intermittent);       or continuously) on less than a year-around basis (txcluding shutdowns for routine mainter- nance); check the months our- ing the year when the discharge is operating. (see instructions)       □MAY       □JUN       □JUL       □AUG         :omolete items 10 and 11 if "inter- nitient" is checked in item 9.a       □MAY       □JUN       □DEC         :intermittent Discharge Quantity State the average column per dis- charge occurrence in thousands of gallons.       210       N/A			
<ul> <li>or continuously) on less than a year-around basis (excluding shutdowns for routine mainte- nance), check the months dur- ing the year when the discharge is operating. (see instructions)</li> <li>comolete Items 10 and 11 if "Inter- tilitent" is checked in Item 9.a., Dinerwise, proceed to Item 12;</li> <li>Intermittent Discharge Quantity State the average volume per dis- charge occurrence in thousands of gallons.</li> <li>Intermittent Discharge Duration and Frequency</li> <li>Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.</li> <li>Intermittent Discharge Duration and Frequency</li> <li>Intermittent Discharge Duration per Day State the average number of discharge occurrences per day</li> <li>Zilib</li> <li>Micharge occurrences per day</li> </ul>	If this discharge normally		GJAN OFEB OMAR OAPR .
<ul> <li>Stuttown for routine mainte- nances, thek the months dur- ing the year when the discharge is operating. (see instructions)</li> <li>Comolete Item 510 and 11 If "Inter- ititent" is checked in Item 9.a )therwise, proceed to Item 12:</li> <li>Intermittent Discharge Quantity State the average volume per dis- charge occurrence in thousands of gallons.</li> <li>Intermittent Discharge Duration and Frequency</li> <li>Intermittent Discharge Duration Per Day State the average number of hdurs per day the discharge is operating.</li> <li>Intermittent Discharge Eventse</li> <li>Z11a</li> <li>M/A</li> <li>Thousand gallons per discharge occurrence.</li> <li>M/A</li> <li>Intermittent Discharge Duration Per Day State the average number of hdurs per day the discharge is operating.</li> <li>Intermittent Discharge</li> <li>Z11a</li> <li>Z11a</li> <li>M/A</li> <li>Intermittent Discharge</li> <li>Z11a</li> <li>Z11a</li> <li>M/A</li> </ul>	<ul> <li>or continuously) on less than</li> </ul>		DAAT JUL DAUG
<ul> <li>iomolete Items 10 and 11 If "Internititent" is checked in Item 9.a</li></ul>	shutdowns for routine mainte- nance), check the months dur- ing the year when the discharge		DSEP DOCT DNOV DEC
<ul> <li>Intermittent Discharge Quantity State the average volume per discharge occurrence.</li> <li>N/A thousand gallons per discharge occurrence.</li> <li>Intermittent Discharge Duration and Frequency</li> <li>Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.</li> <li>Intermittent Discharge Frequency State the average number of discharge occurrences per day</li> <li>Intermittent Discharge Frequency State the average number of discharge occurrences per day</li> <li>Intermittent Discharge Frequency State the average number of discharge occur- rences per day during days when discharging.</li> </ul>	hittent" is checked in Item 9.a.,		
<ul> <li>11. Intermittent Discharge Duration and Frequency</li> <li>a. Intermittent Discharge Duration Per Day State the average number of hdurs per day the discharge is operating.</li> <li>b. Intermittent Discharge Frequency State the average number of discharge or discharge occurrences per day</li> <li>211a</li> <li></li></ul>	State the average volume per dis- charge occurrence in thousands of	210	N/Athousand gallons per discharge occurrence.
<ul> <li>a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.</li> <li>b. Intermittent Discharge Frequency State the average number of discharge occur- rences per day during days when discharging.</li> <li>211a M/Ahours per day</li> <li>211b</li></ul>			
Frequency State the average 211bdischarge occurrences per day number of discharge occur- rences per day during dayswhen discharging.	<ul> <li>Intermittent Discharge Durotion</li> <li>Per Day State the average</li> <li>number of hdurs per day the</li> </ul>	211a	N/Anours per day
when discharging.	Frequency State the average number of discharge occur- rences per day during days		discharge occurrences per day
	when discnarging.		•

DISCHARGE SERIAL NUMBER

#### 001

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

213a Pi

Piped discharges to stormdrains

between . Jackson/Center and Vignes/Ramirez Streets west of the Los Angeles River.

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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, subby 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 1 of the Instruction Booklet. For SIC Codes not listed in Table 1, 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)	( <b>3</b> )	(4)	(5)
					•	
						•.
					<u> </u>	
		-			·····	
		:				=, 4 <sub>0</sub>

# b. Products Not Applicable

-	SIC Cod	e			Nan	ne		Maxim Amount		Unii (See Tab		d Discharges Ial Number)	
2140	(1)				(2)	•		(3)	~	(4)		(5)	
													· ·
							<u> .</u>				 		
					•					1			
							i –				 		
			1	_									
							1				 		

· • • •	4 <sup>2</sup>	
	DISCHARGE SERIAL NUMBER	
	001	FOR AGENCY USE
<ol> <li>Waste Abatement</li> <li>Waste Abatement Practices Describe the waste abatement practices used on this discharge with a brief narrative. [See instructions]</li> </ol>	215: Narrative: Separation of wastewater f treatment of wastewater flo monitoring of quantities ar of flows	ows, and
<ul> <li>waste Abstement Codes Using the codes listed in Table II of the Instruction Booklet. describe the waste abstement processes for this distnarge in the order in which they occur If possible.</li> </ul>	(4) <u>DHYSIC</u> (5) <u>DSTOPO</u> (7) <u>OMONIT</u> (8) <u>PSEDIM</u> (10) <u>PSEPAR</u> (11) <u>SL'ANDD</u> (13) (13) (14) (14) (15)	(3) <u>EMERGE</u> . (6) <u>LOCALS</u> . (9) <u>PFLOAT</u> . 12) <u>MUNDIS</u> . 15)
	(25)	

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SCHARGE SERIAL NUMBER

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#### 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)

	1	· · ·	1
Parameter 216	Present	Parameter 216	Present
Color 00080		Copper . 01042	
Ammonia 00610		lron 01045	x
Organic nitrogen 00605		- Lead DIOSI	
Nitrate • 00620	X	Magnesium 00927	
Nitrite 00615		Munminese 01055	X
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel F	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 009 37	X
Cyanide 00720		Sodium 00929	x
Fiuoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium • 01012		Algicides= 7405 1	
Barium 01007		Chlorinated organic compounds* 74052	Ì
Boron ** 01022	X	Pesticides" - 74053	-
Cadmium . 01027 .		Oil and grease 00550	
Calcium 00916	X	Phenols 32730	-
Cobalt 01037		Surfactants 38260	İ
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055	i i	Radioactivity" 74050	İ

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

1 . . **.** 

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.

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DISCHARGE SERIAL NUMBER

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# 17. Description of Intake and Discharge

FOR	AGE	NCY	USE
	T	T	

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called (or,(see instructions) In addition, enter the parameter name and code and all required values for any of the following parameters H they were checked in Item 16; ammonia, cyanide, siuminum, arsenic, beryllium, cadmium, cnromium, copoer, lead, mercury, nickel, seleniuta, zinc, prenols, oil and grease,

	_ Infl	vent			Effluent			
Parameter and Code	<ul> <li>Unircated Intake</li> <li>Water</li> <li>(Daily Average)</li> </ul>	In-Flant Treated Datake Water (Daily Average)	(C) Daily Average	Alfninum Value Observed or Branceled During Discharge	(C) Alaxhuum Value (C) Obverved or Expected Durtlag Discharge Activity	S Ficguency of Analysis	<ol> <li>Number of Analyses</li> </ol>	G Sanyde Type
Flow" Gallons per day 00056	52.0 MGD	10,000	52.0 MGD	1000gp		Monthly		
pH Units 00400	. 7.0 ,			6.0	8.0	monthly		
Temperature (winter)	ND		+. 2°. c	<u>+</u> 2 <sup>0</sup> c	<u>+</u> 2 <sup>°</sup> c	•		
Temperature (summer) * F 74027	ND		<u>+</u> 2 <sup>0</sup> c	+ 2 <sup>0</sup> c	+ 2 <sup>0</sup> c			.
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	. ND (0)		-	-	-		1 	
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-			700	30000	•		
Settlesble Matter (residue) ml/l ; 00545	ND							

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

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### FORM APPROVED OMB No. 158-R0100

DISCHARGE SERIAL NUMBER

FOR AGENCY USE									
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17. (Contha.) -

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	· Infle	ient -	·		Effluent			
Parameter and Code	Unireated Inlake Uniter (Daily Average)	In-Plant Treated [] Inlake Water ([]ally Average)	() Daily Average	Minimum Value Observed or Expected During Discharge Activity	Maximum Value Observed or Expected During Disclarge Activity	<ul> <li>Frequency of</li> <li>Analysis</li> </ul>	J Number of Aualyses	Sample Type
Oil/Grease 00550	0		10	0	10	Monthly		
				•		. 1		
						· · ·		
			•					
· · · · · · · · · · · · · · · · · · ·								
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 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.

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

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a. Name of Material(s)

b. Name and address of manufacturer

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

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APS				
		-		
		· .		
N/A				
N/A				
	-		•.	
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			,	

			DISCHARGE SERIAL NUMBER
			001 FOR AGENC
		teres	N/A
*	<ul> <li>Chemical composition of these adultives (see instructions).</li> </ul>	219d	
•			
(a. pia ma	mplete items 20-25 if there is a thermal g., associated with a steam and/or power int, steel mill, petroleum refinery, or any nufacturing process) and the total disch million gallons per day or more. (see in	r generatio / other arge flow	ion • is
20.	Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see Instructions)	220	NZA -
	Boiler Stowdown	1 1 1	
	Boiler Chemical Cleaning		
	Ash Pond Overflaw	1.1	
	Boiler Water Treatment — Evapora-		
	tar Blowdown		
	Oil or Coal Fired Plants — Effluent from Alr Pollution Control Devices		
	Condense Cooling Water		COND
	Cooling Tower Blawdown		н <u>П</u> ство
	Manufacturing Process		MFPR
	Other ·		
21.	Discharge/Receiving Water Temper- ature Difference		N/A
	Give the maximum temperature		
	difference between the discharge and receiving waters for summer		
	and winter operating conditions.		
	(see instructions) Summer	2212	<u> </u>
		2210	
22.	Discharge Temperature, Rate of Change Per Hour	222	°F./nour N/A
	Give the maximum possible rate of	2000 C	
	temperature change per hour of discharge under operating con-		
	ditions. (see instructions)		
z3.	water Temperature, Percentlie		N/A ···
	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 (emberature). (see instructions)	an ta k	
	Frequency of occurrence		10% 5% 1% Maximum
	<ol> <li>Intake Water Temperature (Subject to natural changes)</li> </ol>	2234	OF OF OF
	b. Discharge Water Temperature	2236	0F 0F 0F * 0F
	A45. A		2
Z4.	Water Intake Velocity (see Instructions)	224 %	feet/sec. N/A
25.	Retention Time Give the length of	. 225	minutes / N/A
	time. In minutes, from start of water temperature rise to discharge	L	

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EPA Form 7550\_23 (7\_73)

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FORM APPROVED OMB No. 153-R0100 -DISCHARGE SERIAL NUMBER FOR AGENCY USE 001 Information

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25. Additional Information

Item

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		See Attachment A
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EPA Ferm 7550-23 (7-73)

FORM APPROVED OME No. 158-R0100

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# 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 factilities. 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 adplication. 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 DERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE

								AGEN	.1036				
1. in	, aprovements	300				SCHI	ED. NO.	-		1124			
a.	Discharge Serial Number Affected List the discharge serial numbers, assigned in Section 11, that are Covered by this implementation schedule.	301a	0		1	<u>h: - * </u>	····	"	4 (a				
5.	Authority imposing Require- ments Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check		NA		· . •	•	•			, •	-	•	
	the appropriate items. (see Instructions)		_						•	٠			
	Locally developed plan	3015	Loc										
	Areawide Plan	1. T. 1914	ARE										
	Basic Plan	100 10	BAS										
	State approved implementa- tion schedule		⊡sqs										
	Federal approved water ouality standards implementa- = tion Plan.		<b>□</b> wqs	·									
	Federal enforcement proced- ure or action	a de la constante de la constante de la constante de la constante de la constante de la constante de la constan La constante de la constante de	ENF						•				
	State court order		CRT										
	Federal court order		E FEO										•*
¢	Facility Requirement, Specify the 3-character code of those listed below that best describes in general terms the require- ment of the implementation	3016	3-character (general)					5					
	schedule and the applicable six- character abatement code(s)									_			
	from Table II of the Instruction booklet. If more than one	301d	6-character	-			•			-			
	schedule applies to the facility	Sec.	(specific) (see Table I	0		•							
	because of a staged construction		(200 10010 1										
	schedule, State the stage of Con- struction being described here							,					
	with the appropriate general .							••		-			
	action code. Submit a separate	1.14						-		-			
	Section ill for each stage of construction planned.												

	New Facility	•	•	NEW	
	Modification (no increase in capac	ity or tre	stment)	MOD	
	Increase in Capacity			INC	
	Increase in Treatment Level			INT	
	Both Increase in Treatment Level	and Capa	city	ICT	
	Process Change			PRO	
	Elimination of Discharge			ELI	
-	entranseriou or energy as				

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Implementation Schedule and 3. Actual Completion Dates

-	, and a Mett	Completion Dates	
P <sub>1</sub> Ir	rovide dates imposed by schedule and a cicate dates as accurately as possible.	actual dates of completion for implementation steps listed b see instructions)	
: I <b>л</b>	Diementation Steps		
-	•	2. Schedule (Yr/Mo./Day)	
-	Pretiminary plan complete	3. Actual Comp	letion (Yr./Mo./Day)
. <b>D.</b>	Final plan submission	100 Ja	
с.	Final plan complete	302b 302c	
d.	Financing complete & contract awarde	3026	
e. 3	Site accuired		
1. E	legin action (e.g., construction)	J03a	
g. E	ind action (e.g., construction)	302*	_
h. C	lischarge Began +	303g	·
.L 0	perational level attained		-
		30 31	

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FORM APPECIVES OML No. 115-AUDI

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## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

002

# STANDARD FORM C - MANUFACTURING AND COMMERCIAL

### SECTION 1. 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 ADDifcant (see instructions) Number & Street	102a	425 South Main Street
	City	1020	Los Angeles
	State	102c	<u>CA</u>
	ZIÞ Code	102d	90013
3.	Applicant's Authorized Agent (see instructions) Name and Title	1032	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams)
			Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1035	600 South Spring Street, Suite 1200
	City	163c	Los Angeles
	State	103c	<u>CA</u>
	Zip Code	103e	90014
	Telephone	1031	213 489-6941
4,	Previous Application If a previous application for a National or Federal discnarge per- mit has been made, give the date of application. Use numeric designation for date.	104	Area Number Code <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
Printed Name of Person Signing	Titie
OS Currenter/	
Signature of Applicant of 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 wilfully faisifies, 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.

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	•	•		1114	•••••	

This section contains 3 mases.

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<ol> <li>Facility/Activity (see instructions) Give the name, ownership, and physical location of the blant or other operating facility where dis- charge(s) does or will occur.</li> </ol>		FOR AGENCY USE
Name	1054	Union Station and Crossover A-135 - A-136
* <u>*</u>		Southern California Rapid Transit District
		Los Angeles
Ownersalo (Public, Private or Both Public and Private)	1030	I ØPUB □PRV □BPP
Check block if Federal Facility and give GSA Inventory Control Number	105c	
-	5.2.	
Location Street & Number	105e	Vignes/Ramirez to Alameda/Macy
City	2.20	
	1051	California
County	1059	
State	105h	<u>Construction and Operation of '</u>
<ol> <li>Nature of Business State the nature of the business conducted at the plant or operating facility.</li> </ol>	10 Ca	Radid Transit System
·	1055	AGENCY USE
· · · ·		Carron Marchard Strange
		1.145年1月47日,1916年1月1日 1月1日日 - 1月1日日日日日日日日日日日日日日日日日日日日日日日日日日日日日
<ol> <li>Fadility Intake Water (see instruc- tions) Indicate water intake volume. per day by sources. Estimate average volume per day in thousand gallons per day.</li> </ol>		
Municipal or Private water system	- 107a	10.0
Surface water	1076	20:2 thousand gallons per day
Groundwater	107e	.43208i thousand salions per day
Otner"	107d	thousand sailons per day
Total Item 7	107e	-43208 thousand sallons per day
"If there is intake water from 'other,' specify the source.	1071	
<ol> <li>Facility water Use Estimate average volume per day in thousand Sations per day for the following lydes of water usage at the facility, (see instructions)</li> </ol>		
Noncontact cooling water	TOTA	, <u> </u>
Boller feed water	1020	0 thousand gallons per day
Process water (including contact Cooling water)	108c	0
Sanilary water	108.0	thousand gallons per day '
Other"	108.	thousand gallons per day
. Total Item 8	1087	10.0 thousand gallons per day
"If there are discharges to "other," specify,	108g	Equipment water supply and washdown
If there is 'Sanilary' water use, give Inc number of people served.	1081	-100
EPA Form 7350-21 (7-71)		· I-2

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3. All Facility Disenarges 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 scorring to the categories below. Estimate average volume per day in thousand

Sauguz ber day.		Points		or Discharged,	
Surface Water	10921		10512	Thousand Gal/Di	іу 
Sanitary wastewater transport system	10351		10562	1.0	_
Storm water transport system	109c1	2	103 62	28.2	_
Combined sanitary and storm water transport system	10901	0	109CZ	0	•
Surface Impoundment with no effluent	105e1		109x2	0	
Underground percolation	10911		.109r2	0	_
Well Injection	105g1		10992	0	_
: Waste acceptance firm	10371		103n2	1.0	_
Evaporation .	10911	0	10512	0	_
Consumption .	10911	0	10912	0	_
Other" .	103K1		103k2	43208	
Facility discnarges and volume Total Item 9,	10311	7	10912	43238	
"If there are discharges to 'other," Specify,	103m1			charges to	<u>stormdrains</u>

Number of

10. Permits, Licenses and Applications

.

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

		1						
110	Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Oate Filed YR/MO/DA	Date Issued Y R/MO/DA	Data Denied YR/MO/DA	Expiration Date YR/MO/DA
in the second		all for the second seco			Traine atter	مريند (1) مند مش	Transfor (S) Transf	Lar Stinler
. 1.	Los Angele	s States						
1	E88n Angele	Shirt The State						<u> </u>
2.		四方 编辑诗述						
					 			<u> </u>
з.		and the second		*	<u> </u>		<u> </u>	
			/		<u>  </u>			

# 11. Maps and Orawings

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

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# 12. Additional information

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112	Item Number	Information
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# FORM APPROVED OMB No. 156-R0100

# FOR AGENCY USE

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Total Volume Used

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#### FORM SPPROVED OMB No. 153\_R0100

# STANDARD FORM C - MANUFACTURING AND COMMERCIAL

# FOR AGENCY USE

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#### SECTION IL BASIC DISCHARGE DESCRIPTION .

Complete this section for each discharge indicated in Section 1, Item 9, that is to surface waters. This includes discharges to nunicipal severage systems ill 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		002
	a. Discharge Serial No. (See instructions)	201a	
	<ul> <li>Discnarge Name</li> <li>Give name of discharge, If any,</li> <li>(see instructions)</li> </ul>	2016	<u>Union Station &amp; Crossover - A-135 - A-136</u> Construction
	C. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section 1), provide previ- pus discharge serial number.	201e	· · ·
<b>z.</b>	Discharge Oberating Dates	· .	;
	a, Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	2022	
	b. Discharge to Etgin Date If the discharge has never occurred but is blanned for some future date. give the date (within best etti- mate) the discharge will begin.	2025	86 <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.	202e	<u>92 7</u> YR MO
э.	Engineering Report Available Check if an engineering report Is available to reviewing agency upon request. (see instructions)	203	
4,	Disensige Location Name the political boundaries within which the Polint of discnarge is located.		Agency Use
	State	204a	California 2044
	County	2046	Los Angeles 204e
	(if applicable) City or Town	204c	Los Angeles 2041
5.	Discharge Point Description Oischarge is into (Check one) <u>*</u> (see Instructions)	*	
	Stream (Includes ditches, arroyos, and other intermittent watercourses)	205a	Ūstra.
	Цаке	. 1	<b>D</b> LKE
	Ocean		Oce
	Municipal Sanitary Wastewater Transport System		Ю́мтs
	Municipal Combined Sanitary and Storm Transport System		□mcs

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		FOI	R AGENCY US
MuniGigal Storm Water Transport System		Q STS	
Well (Injection)		[ WEL	
• . Other		Сотн	
If 'ather' is checked, specify	2058	-	
<ol> <li>Discharge Point — Lat/Lans Give the precise location of the point</li> </ol>			
of discharge to the nearest second.	2064	34 DEG 2 MIN 30 SEC	
Langitude	2065	118 DEG 15 MIN OO SEC	
<ol> <li>Discharge Receiving Water Name Name the waterway at the Doint of discharge (see instructions)</li> </ol>	207e	Storm Drain to Los Angeles River	المامين
		For Agency Use For Agency Use	
If the discharge is through an out- fail that extends Deyond the shore- line or is below the mean low " water line, complete I tem 8.	2075	Maior Minor Suo 207e	
8. Offshore Discharge		N/A	
a. Discharge Distance.from Shore	2083	N/A_feet *	
b. Discharge Depth Below Water Surface	2086	N/A feet	
9. Discharge Type and Occurrence			
<ol> <li>Type of Discharge Check whether the discharge is con- tinuous printermittent. (see instructions)</li> </ol>	209=	C (Con) Continuous	
<ul> <li>Discharge Occurrence Days per Week Enter the average num- ber of days per week (during periods of discharge) this dis- charge occurs.</li> </ul>	209b	<u></u>	
c. Discharge OccurrenceMonths			
If this discharge normally operates (either intermittently,	209c	DJAN DEE DMAR DAPR	
or continuously) on less than a year-around basis (excluding		DAAY DIUL DAUG	
souldowns for routine mainte- nance), check the months dur- ing the year when the discharge is operating. (see instructions)		SEP DOCT DOV DEC	
Complete Items 10 and 11 if "inter- nittent" is Checked in Item 9.4 )therwise, proceed to Item 12:	۲ - ۲۹۰ ۲۰۰۰ - ۲۰۰۰ ۲۰۰۰ - ۲۰۰۰	••• • • ••	
9. Intermittent Discharge Quantity		N/A	
State the average volume per dis- Charge occurrence in thousands of gallons.	210	<u>IV/ A</u> thousand gallons per discharge occurrence.	
11. Intermittent Discharge Duration and Frequency			
<ul> <li>Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.</li> </ul>	211a	N/Ahours per day	
b. Intermittent Discharge Frequency State the average number of discharge occur- rences per day during days when discharging.	2115	discharge occurrences per day	
12. Maximum Flow Period Give the			

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+ 4 æ DISCHARGE SERIAL NUMBER FORM APPROVED 002 OMB No. 158\_R0100 FOR AGENCY USE 13. Activity Description Give a Piped discharges to stormdrains 213a narrative description of activity producing this discharge.(see between Along Vignes, Ramirez, Macy, and Alameda Instructions) 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 Note applicable each SIC,Code which describes the activity causing this discharge, construction activities associated with supply the type and maximum excavation and cleanup. 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-

a. Raw Materials Not Applicable

tion Booklet. For SIC Codes not listed in Table 1, use raw material of production units normally used for measuring production.(see

instructionsl

Maximum Unit Shared Oischarges SIC Code Name Amount/Day (See Table i) (Serial Number) 214a (1) (2) (3) (5) (4) ... . . • . - -•. . .... 

### b. Products Not Applicable

	SIC Code		r	lame		mount/Day	(See	Table !}		rial Number)	
Z145	(1) .			(2) ·	[	(3)		(4)	· [ * ·	(5)	
		İ			[	•	-				
					<u> </u>		<u> </u>				
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					<u> </u>				1		

02	FOR AGENCY USE
treatment of wastewat	er flows, and
(10) <u></u>	
	Z15a       Narrative:       Separation of wastewat

(25)

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discharge serial number 002

FORM APPROVED OMB No. 158-R0100

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16. Vastewater 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
Colo: 00080		Copper . 01042 ·	
Ammonia 00610		Iron 01045	X
Organie nitrogen 00605		- Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manmanese 01055	X
Phosphorus 00665		Mercury 71900	
Sulfate 009-45	x	Molybdenum 01062	
Sulfide 007:35	-	Nickel 01067	r _
Sulfite 00740 • •		Selenium 01147	
Bromide * 71870		Silver 01077	
Chloride 00940	X	Potassium 00937	X
Cyanide 00720		Sodium 00929	x
Fivoride 00951	X	Thatlium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides*	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	·· x	Pesticides" 74053	
Cadmium T		Oil and grease 00550	
Calcium 00916	X	Phenois ····	***
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.

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DISCHARGE SERIAL NUMBER

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FOR AGENCY USE

# 002

## 17. Description of Intake and Olicharge

For each of the parameters listed below, enter in the appropriate box the value or cope 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; ammGnia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, cooper, lead, mercury, nickel, seienium, anc, phenols, oil and grease, and chlorine (residuat).

•	_ Infli	uent	Effluent						
Parameter and Code	Unireated Intake Water (Daily Average)	In-Flant Treated D Intake Water (Daily Average)	(C) Daily Average	Minimum Value Observed or A Expected During Oltscharge Activity	Maximum Value Observed or Expected Durfing Discharge Activity	Brequency of Aualysis	<ol> <li>Number of</li> <li>Analyses</li> </ol>	Sample Type	
Fiow <sup>2</sup> Gallons per day 00056	43.3MGD	10,000	43.3MGD	1000	43.3MGD	Monthly			
pH Units 00400	'7.0		$\mathbf{X}$	6.0	8.0	monthly			
Temperature (winter) * F 74028	ND		+. 2°c	+ 2 <sup>0</sup> c	+ 2 <sup>0</sup> c	• •			
Temperature (summer) * F 74027	ND		+ 2 <sup>0</sup> c	+ 2 <sup>0</sup> c	+ 2 <sup>0</sup> c			•	
Biochemical Oxygen Demand (3OD 5-day) mg/1 00310	. ND (0)		_		_				
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)							.*	
Total Suspended (nonfilterable) Solids mg/1 00530	150		50	10 ·	150				
Specific Conductance micromhos/em at 25° C 0009 5	700-			700	30000	•			
Settleable Matter (residue) ml/1 .: 00545	ND		-		="				

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

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# FORM APPROVED OMB No. 158-R0100

DISCHARGE SERIAL NUMBER 002

FOR AGENCY USE

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17. (Conth.)

		Inil	uent	Effluent						
	Parameter and Code	Intreated Intake Water (1)aily Average)	In-Flant Treated Intake Water (Daily Average)	G Daily Average	Minimum Value Observed or Expected During Discharge Activity	Maximum Value Maximum Value G Expected Durling Discliarge Activity	<ul> <li>Frequency of</li> <li>Analysis</li> </ul>	A number of Analyses	🙁 Sample Type	
•	0il/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 discnarge is treated with any conoltioner, inhibitor, or algicide, .... answer the following;

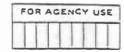
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- a. Name of Material(s)
- b. Name and address of manufacturer
- C. Quantity (pounds added per million gallons of water treated).

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	🖄 APS						
					•*		
	N/A						
	* *	•			•	<b>-</b> -	
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2139							
44 . 193 A.							
		·	•				
213c		_					
Sec. Ash							





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

N/A

N/A

BCCL

APOF

EP80

OCFP

COND

Ство MEPR

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N/A

N/A

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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 shy 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]
	Boller Blowdown
	Boller Chemical Cleaning
	Ash Pond Overflow

Boiler Water Treatment --- Evaporator Blowdown

Oll or Coal Fired Plants --- Effluent from Air Pottution Control Devices

**Condense Cooling Water** 

Cooling Tower Blowdown **Manufacturing Process** 

Other

21. Discharge/Receiving Water Temperature Difference

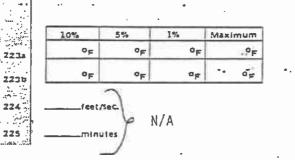
> Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions.

(see instructions) Summer

- Winter
- 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)

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





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PF. mour N/A

  	Additional Informa	DISCHARGE SERIAL NUMBER
. *	* Item *	Information
-		See Attachment A
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# 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 abate-ment 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	300				SCHED. NO.
	a. Discharse Sariai Number Affected List the discharge Serial numbers, assigned in Section II, that are covered by this implementation schedule.	SP1a	<u> </u>	0	2	
	b. Authority Imposing Regulation ments 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		. NA		• • •	· · · · · · · · · · · · · · · · · · ·
	Instructions)	1999 - Wala 1996 -				• •
	Locally developed plan	301b	CLOC		-	٠
	Areawide Plan	Contraction of the second	DARE			
		A Star	- BAS			
	Basic Plan		00100			
	State approved implement>		🗆 sas			
	Federal approved water quality standards implementa- " tion Plan.			·		
	Federal enforcement proced- ure or action	and a	DENE			· •
	State court order		CRT			•
	Federal court order	Same -	<b>FED</b>			
	<ul> <li>Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the require-</li> </ul>		3-character (general)			
	ment of the implementation schedule and the applicable six- character abatement code(5)	301e				
	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 con-	3014	6-character (specific) (see Table I			
	struction being described here with the appropriate general action code. Submit a separate					*-, -,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,
	Section III for each stage of construction planned.	diana an				

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New Facility	· ·		NEW	
Modification (no increase in Capacity	y or treatmo	ent}	MOD	
Increase in Capacity			INC	
Increase in Treatment Level			INT	
Both Increase in Treatment Level an	d Capacity		ICT .	
Process Change			PRO	
Elimination of Olscharge			EL1	

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# FOR AGENCY USE

implementation Schedule and 3. Actual Completion Dates

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

	• •	2. Schedule (Yr./Mo. /Day)	_
	- Preliminary plan complete	3024	3. Actual Completion (Yr-/Mo-/Day)
	5. Final plan submission.	302b	
4	Final plan complete	J010	/
c	Financing complete & contract awarded	303c	/
e		- 303d	/
1.	Segin action (e.g., construction)	J021	/
g.	End action (e.g., construction)	307	/
h.	Discharge Began	302h	/
. ե	Operational level attained	Joan Joan	/
		10031	- /

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FORM APPROVEL OME No. 153-R0100

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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	101	Southern California Rapid Transit District
	(see instructions)		
2.	Mailing Address of Applicant (see Instructions) Number & Street	102a	425 South Main Street
	City	1025	Los Angeles
	State	1025	<u>CA</u>
	ZID Code	1020	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	1035	600 South Spring Street, Suite 1200
	City	103c	Los Angeles
	State	1030	<u>CÀ</u>
•	Zib Code	103e	90014
	Telephone	1031	213 <u>489-6941</u> 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	Title	
DE Cash Ces/	102r 11/14/85	
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 wilfully faisifies, 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	
· · -			CFFICE: EPA Region Number
Pecalved	•	· · · · · · · · ·	:ate
		I•1	This section contains 3 pages.

s.	Fability/Activity (see instructions) Give the name, ownership, and physical location of the plant or other oberating facility where dis-	003 FOR AGENCY USE	
	charge(s) ages or will accur.	Union Station - 5th/Hill Tunnel - Al41	
	Name ·	1033	-
	• .	Southern California Rapid Transit District	_
		Los Angeles	
	Ownersnip (Public, Private or Both Public and Private)		
	Check block if Federal Facility and give GSA Inventory Control Number	105c D FED	
	Location		
	Street & Number	Macy/Alameda & Hill St. from Temple - 5th	_
	City	1031 LUS Angeres	_ ·
	County	California	_
	Slate	lash Construction and Operation of	_
	. :		-
٤.	Nature of Business State the " nature of the business conducted at the plant or operating facility.	Rapid Transit System	- · ·
		1060 AGENCY USE	
•			
	•		
7.	Fadility Intake Water (see instruc- tions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand		
	gallons per day.	10.0	
•	Municipat or private water system	tiona thousand saltons per day	
	Surface water	107b 16.0 thousand salions per cay	
	Groundwäter	tore 4708.0 thousand gallons per day	
	Other <sup>*</sup>	107d thousand gallons per day	.*
	Total Item 7	to a thousand gallons per day	
	"If there is intake water from "Other," specify the source.	107r	
			•
I.	Facility water Use Estimate average volume per day in inousand gaitons per day for the following types of water usage as the facility.		
	(see instructions)	1083 0	
	Boller feed water	1080 0 thousand gallons per day	
	Process water (including contact cooling water)	108c thousand gallons per day	
	Sanitary water	102d thousand gallons per day	
	Other*	108e 9.0 thousand gallons per day	
	. Total Item 8	soar 10.0 thousand gallons per day	
	°lf there are discharges to 'Other,' sDecily,	Equipment water supply and washdown	
	If there is "Sanitary" water use, give the number of poople served.	JOBA 100 people served	
	2	1.0	

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FORM APPROVED OMS No. 135-R0100

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 All Facility Olscharges and other Lossest Number and Discharge (see Instructions) Volume: Specify the number of discharge points and the volume of water discharged or loss from the facility according to the categories below. Estimate average volume per day in Inousand gallons per day.

2.1

		Points		Thousand Gal/Day
Surface Water	10=1	0	10912	
Sanitary wastewater transport system	10351	3	10962	.1.0
Storm water transport system	10961		109ez	24.0
Combined sanitary and storm	109dI		10362	0
Surface impoundment with no effluent	103e1	0	103e2	0
- Underground percolation	10911	0	10912 1	Û
Well Injection	109g1		10992	  1.0
Waste acceptance firm •	109h1 109h1 109h1	0	10982 595567 10912	0
Consumption	10311 ;	0	10912 0	0
Differ*	109x1		·平文京 1 03 k2	4708
Facility discnarges and volume Total Item 9.	10311		10912.	4734
* If there are discharges to 'other,' specify.	105m1	Dewater	ing di	scharges 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	10 Number	Date Filed YR/MO/DA	Oate - Issued YR/MO/DA	Oate Denied YR/MO/DA	Expiration Date YR/MO/DA
110	12 (R) 11 (R) 11 (R)	Tel (5) (5) (5)	nin (c) BADA	19 <sup>27</sup> v2 ∞ ( <b>d</b> ) = 3 g	Flor mer (e) starte	Sec (1) - Leve	" the state of the state of	· # SP(b). + Co
т.	<u>Los Angele</u>	S						
	<u>County of</u>	s				·		
z.						·		
							<u>1</u>	
з.		ممين مريط الله <u>المريح</u> محمد المعرف			· · ·			
					1	<u>'</u>		

### 11. Msps and Drawings

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

#### 12. Additional information

112 Item Numper

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•						Information					
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Total Volume Used

or Discharged.

Number of

Discharge

FORM SPPROVED OMB No. 158-R0100

# STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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## SECTION IL BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section 1, Item 9, that is to surface waters. This includes discharges to numicipal sewerage systems its which the wastewater does not go through a treatment works gride 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		000
	a. Oiscnarge Serial No. (see instructions)	201a	003
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any,</li> <li>(see instructions)</li> </ul>	2016	Union Station - 5th/Hill Tunnel - Al41 Construction
	c. Previous Discharge Serial No. If previous permit application was made for this discharge (See Item 4, Section 1), provide previ- ous discharge serial number.	201c	· · ·
<b>z.</b>	Discharge OPerating Dates	· .	*
	a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	2023 2023	YR MO
1	b. Discharge to Segin Date. If the discharge has never occurred but is Dianned for some future date, give the date (within best eti- mate) the discharge will begin.	2026	86 <u>1</u> YB MO
	c. Discharge to End Date if dis- charge is schequied to be discon- tinued within the next 5 years, give the date (within best esti- mate) the discharge will end.	202c	<u>92 7</u> YR MO
э.	Engineering Rebort Available Check if an enginaering rebort is available to reviewing agency udon request. (see instructions)	203	
4.	Discharge Location Name the political boundaries within which the point of discharge is locateo.		Agency Use
	State .	2043	California 204d
	County	2045	Los Angeles 204e
	(If applicable) City or Town	204c	Los Angeles 2041
5.	Discharge Point Description Discharge is into (check one); (see instructions)		
	Stream (includes ditenes, arroyos, and other intermittent watercourses)	205a	- STR
	taxe .	1 1	
	Ocean		
	Municipal Sanitary WastGwater Transport System		Ймтs
	Municipal Combined Sanitary and Storm Transport System		⊡mcs .

DISCHARGE SERIAL NUMBER  $\{\overline{v}\}$ 003 FOR AGENCY USE Municipal Storm Water Transport **⊠**STS System well (Injection) - WEL Other Сотн 2055 If 'other' is checked, specify Discharge Point - Lat/Long Give **e** . the Precise location of the Point of discharge to the nearest second. <u>340eg</u> 2\_MIN 130 SEC Latitude 2064 118\_0EG 15 MIN 00 SEC Longitude 2065 7. Discharge Receiving Water Name 20.7\* Name the waterway at the point Storm Drain to Los Angeles River of discharge.(see instructions) For Agency Use For Agency Use If the discharge is through an out-Mator Minor Suo 303e tall that extends DeyOnd the shore-2075 207c line or is below the mean low water line, complete Item 8. 12.5 ÷7. 8. Offshore Discharge N/A a. Discharge Distance.from Shore 2084 feet ъ. Discharge Depth Below Water N/A 2015 411 Discharge Type and Occurrence 9. 25 a. Type of Discharge Check whether the Discharge is con-209a 💽 (Con) Continuous tinuous or intermittent. (int) Intermittent (See instructions) b. Discharge Occurrence Days per <u>\_\_\_\_\_\_</u>days per week week Enter the average num-2095 ber of days per week (during **DerioDs of discharge)** this discharge occurs. c. Discharge Occurrence -- Months | If this discharge normally 2090 DJAN **FEB** MAR DAPR operates (either intermittently, or continuously) on less than MAY **□**JUN **DJUL** AUG a year-around basis (excluding shutdowns for routine mainte-**SEP** Пост **DNOV** DDEC nance), check the months during the year when the discharge 181 is operating. (see instructions) ÷ Complete Items 10 and 11 if "Inter-nittent" is checked in Hem 9.4. )therwise, proceed to (tem 12: 210 **0.** Intermittent Discharge Quantity N/A State the average volume per disthousand gallons per discharge occurrence. 4000 million (\* 1990) 1990 - 1990 - 1990 - 1990 1990 - 19900 - 19900 - 19900 charge occurrence in thousands of gallons. 11. Intermittent Discharge Duration and Frequency \_ \*' a. Intermittent Discharge Duration N/Anours per day Per Oay State the average 211a number of hours per day the discharge is operating. b. Intermittent Discharge Frequency State the average 211b Edischarge occurrences per day number of discharge occurrences per day during days when discharging. 12. Maximum Elow Period Give the time period in which the maximum 212 From to flow of this dischards occurs.

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DISCHARGE SERIAL NUMBER

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 Activity Description Give a narrative description of Ectivity producing this discharge.(See instructions)

213. Piped discharges to stormdrains

between . from Macy/Alameda to 5th/Hill Streets.

P

west of the Los Angeles River.

<u>Activities\_include\_dewatering</u>

of groundwater, collection/treatment

of excavation seepage, stormwater

inflow, washdown, and equipment drainage

construction activities associated with

14. Activity Causing Discharge For each SIC Code which describes the activity causing this discharge, suboily 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 Bookiet. 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 (Ses Table I)	Shared Discnarges (Serial Number)
214a	- (1)		(2)	. (3)- *	(4)	(5)
			•		•	
	•					
		•		•	••.	
					'	•

Note applicable

excavation and cleanup.

b. Products Not Applicable Unit Shared Discharges Maximum SIC Code Amount/Day (See Table I) Name (Serial Number) (1) Z145 (2) (3) (4) (5) .

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#### 15. Waste Abatement

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

 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 occut If possible. \_

Narrative:	Separati	on of wastewate	r flows,
	treatment	t of wastewater	flows, and
	monitorir	ng of quantitie	s and qualities
	of flows		
1			
(1)E	SEPAR	(2) <u>ESEGRE</u>	. (3) EMERGE
	<u>HYSIC</u> .		(6) <u>LOCALS</u>
(7)	MONIT	(8) <u>PSEDIM</u>	(9) PFLOAT
	SEPAR .	(11) SLANDD	(12) MUNDIS
(13)		(14)	. (15)
		(17)	(18)
		(20)	
			. (2-2)

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16. Vastewater 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
Colo: 00080		Copper 01042	
Ammonia 00610		lron 01045	X
Organic nitrogen 00605		- Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nime 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
Fiuoride 00951	· X	Thallium 01059	
Aluminum 01105		Titanium 01152	.
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium • 01012		Algicides=	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	••• x	Pesticides" 74053	1
Cidmium		Oil and grease 00550	
Calcium 00916	X	Phenois	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecul 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.

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#### 17. Description of Intake and Oischarge

47) 1

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

In addition, enter the darameter name and code and alt required volves for any of the following parameters if they were checked in item 16; ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, Chromium, cooper, lead, mercury, nickel, seienium, zinc, phenols, oil and grease, and Chlorine (residual).

Parameter and Code		. ԼոՈս	ent	Effluent						
		Untreated Intake 3 Waler (Naily Average)	In-Plant Treated Diniake Water (Daily Average)	G Daily Avcrage	Altiumun Vakue Observed or Expected During Diveharge Activity	Maxlmum Value G. Oliserved or Expected During Discharge Activity	G Frequency of Analysis	Aunter of Austyses	😟 Sample Type	
	Fiow <sup>a</sup> Gallons per day 00056	4.7.MGD	10000	4.7 MGD	1000	4.7MGD	Monthly			
	9H Units 00400	7.0	-		6.0	8.0	monthly	-		
	Temperature (winter) F 74023	ND		+_ 2°_C	<u>+</u> 2 <sup>0</sup> c	+ 2 <sup>°</sup> c	•			
-	Temperature (summer) * F 74027	ND		<u>+</u> 2 <sup>0</sup> c	<u>+</u> 2 <sup>0</sup> c	+ 2 <sup>0</sup> c			•	
	Biochemical Oxygen Demand (BOD S-day) mg/l 00310	. ND (C)		_	_ •	-				
	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-		$\times$	700	30000	•••			
	Settleable Matter (residue) mi/1 00545	ND		-	- ,					

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

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### DISCHARGE SERIAL NUMBER 003

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17. (Conth.)

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. Influent Effluent . Ĵ MaxImum Value Observed or Expected During Discharge Activity Untreated Intake Water (Duily Average) Alinimum Value Observed or Expected During Discharge Activity In-Plant Treated Intake Water (Daily Average) Daily Average Parameter and Code Ja Sample Type Frequency o Analysis Number of Analyses  $2m_{\rm s}$ . (1) (2)(3) (4)(5) (6) (7) (8) 0i1/Grease 00550 0 -14 10 0 10 Monthly . . . - ---. 2 . .

18. Plant Controls Check If the foilowing 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

Quantity (pounds added per с. million gailons of water treated).

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N/A			
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			DISCHARGE SERIAL NUMBER	
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				TITIT
			N/ / A	
,	d. Chemical composition of these	2198	N/A	
	additives (see instructions).			
e) וק חו	omplete items 20-25 if there is a thermal i.g., associated with a steam and/or power lant, steel mill, petroleum refinery, or any lanufacturing process) and the total disch D million gallons per day or more. (see j	r generatio y other large flow	 is -	
20	<ol> <li>Thermal Discharge Source Check the appropriate item(s) Indicating the source of the discharge. (See instructions)</li> </ol>	220 ·	N/A	
	Baller Blowdown		0 BL 80	
	Boiler Chemical Cleaning	· · ·	BCCL	
	Ash Pond Overflow	44	APOF	
	Boiler Water Treatment — Evapora- tor Blowdown		ПЕРВО .	
	Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices		□ OCFP	
	Condense Cooling Water	1.1		
	Cooling Tower Blawdown		Ство	
	Manufacturing Process	· · · · · · · ·		
	Other	1977 - 374 1977 - 374 1977 - 374 1977 - 374		
, 21	, Discharge/Receiving Water TemPer- ature Difference	-	N/A	
	Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)	221a	⁰ <del>⊨</del> .	
	Winter	2215	0 <sub>F</sub>	
	•	1. 1		
22	Discharge Temperature, Rate of Change Per Hour	222	°F./nour N/A	
	Give the maximum possible rate of temperature change per hour of discharge under operating con- ditions. (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)		an a a a	
	Frequency of accurrence		10% 5% 1% Maximum	
	Intake Water Temperature     (Subject to extract character)	2232	OF OF OF	
	(Subject to natural changes) b. Discharge Water Temperature	2235	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
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	

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-	- 4 by 5		• FORM APPROVED ONB No. 153-R0100
			DISCHARGE SERIAL NUMBER
	۰.		003 FOR AGENCY USE
•		Additional Inform	alion
	226	· Item -	Information
			See Attachment A
			· · · · · · · · · · · · · · · · · · ·
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### 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
1.	Imoravements	300 1			SCHED. NO.
	<ol> <li>Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by the implementation Schedule.</li> </ol>		_0	3	
	Item Indicating the authority for Implementation schedule. If the Identical Implementation schedule has been ordered by	NA		•	· · · · ·
	more than one authority, check the appropriate items, (see instructions)				т - 4
	Locally developed plan	DLOC			*
	Areawide Plan *	DARE			
	Sau Basic Plan	BAS .			•
	State approved implementa- tion schedule	Dsas -			· ·
	Federal approved water quality standards implementa- — tion Plan-		•		
	Federal enforcement proced- ure or action				
	State court order				· .
	Federal Court order				
	<ul> <li>Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the require-</li> </ul>	3-character (general)	r		
	ment of the implementation schedule and the applicable six- character abatement code(s) from Table II of the instruction	.3016			
	booklet, if more than one schedule applies to the facility because of a stated construction schedule, state the stage of con-	301d G-characte (specific) (see Table			
	struction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.				ي موقعية مع _م

New Facility		NEW
Modification (no increase in capacity or treatment)		мсо
Increase in Capacity		INC
Increase in Treatment Level		INT
Both Increase in Treatment Level and Capacity		ICT
Process Change		PRO
 Elimination of Discharge	•	ЕĻI

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FOR AGENCY USE

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2.

Implementation Schedule and 3. Actual Completion Dates

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

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	•	· ·	2.	Schedule (Yr./Mo. /Day			
	- <b>A.</b>	Preliminary plan complete		the second second second second second second second second second second second second second second second se	/ <u> </u>	- Actual Comple	tion (Yr./Mo./Day)
			1023.		- Martine -		(11./Mo./Day)
	Pr.		15.00	/	. 420 34		
	- 60	The Press of the P			The second strength and	///////	
			G2b	//////////////////////////////////////_//_///_////	3035 -	· · · · · ·	4
	۰.	Final plan complete	915.24		1.2	//_	
		· · · · · · · · · · · · · · · · · · ·	020		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	d.		136		303c		•
		Financing complete & contract awarded			and the second	///	<u> </u>
			22	/			
	•	Site accuired			All and and	//	
			12e   .			-	
	1.	Begin action (e.g., construction)	3 (P)				•
			21				·
			- A -		. 2024	,	
	A- 1	End action (e.g., construction)	200	-	S. 100	//	-
			문화하는	/·	30 3g		
1	h. I	Discharge Began				//	
		30	201	/ /			
1	0	Operational level attained	200		303h	/ . /	
		Dog Stained	22			//	-
		the second second second second second second second second second second second second second second second s			30 31		
					100 100		

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### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATEP

### 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 'MA.'

. . . . . .

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 ADDilcant (see instructions) Number & Street	1023	425 South Main Street
	City	1025	Los Angeles
	State	1025	<u>_CA</u>
	Zip Code	102d	90013
з.	Applicant's Authorized Agent (see instructions) Name and Title	1033	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams) Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1035	600 South Spring Street, Suite 1200
	City	1034	Los Angeles
	State	103c	CÀ
	ZID Code	103e	90014
	Telebhone	103f	213 <u>489-6941</u> 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	_ [ 102e ]	Transit Facilities
Printed Name of Person Signing		Title
DE Carrollant	1021	ul istra
/ / 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 wilfully faisifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any faise, 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	
		CFFICE:EPA Region Number
Pacalved		:ate
	1-1	This section contains 3 pages.

•			004
5.	Faaility/Activity (see instructions) Give the name, ownership, and Physical location of the Diant or other oberating facility where dis- charge(s) does or will occur.		FOR AGENCY USE
	Name	105.	Civic Center Construction A-142-147
	•		_Southern California Rapid Transit District_
			Los Angeles
	Ownership (Public, Private pr		
	Both Public and Private)	1055	X PUB PRV BPP · ·
	Check block if Federal Facility and give GSA inventory Control	103c	
	Number	1050	
	Location Street 4 Numper	105e	Hill Street/Temple - 1st St
	City	105r1	Los Angeles
	County	1059	California
	· · · · · · · · · · · · · · · · · · ·		
	State . 1	105h	_Construction_and_Operation_of
6.	Nature of Business. State the	106a	Radid Transit System
	at the Plant or operating facility.	- 1 <sup>944</sup>	· · · · · · · · · · · · · · · · · · ·
	•	1065	AGENCY USE
			The second second second second second second second second second second second second second second second se
7.	<ul> <li>Facility Intake Water (see instructions) indicate water intake volume per day by sources. Estimate average volume per day in thousand galions per day.</li> </ul>		
	Municipal or private water system	- 107	10.0 Thousand gallons per day
	 Surface water	1076	24.0 thousand gallons per day
	Groundwater	107e	0.6 thousand gallons per day
	Other"	107a	thousand gallons per day
	Total Item 7	107e-	34.6 thousand saliens per day
	"If there is intake water from	1072	Inclusand gallons per day
	"Other," specify the source.	1076	· · · · · · · · · · · · · · · · · · ·
ε.	Facility Water Use Estimate		
	average volume per day in thousand gallons per day for the following		······································
	types of water usage at the facility.		· · ·
	Noncontact cooling water	1083	thousand gallons per day
	. Boller feet water	2444 By 1086	0 thousand gallons per day
	Process water (Including contact		
	cooling water)	108c	thousand gailons per day
	Sanitary water	1020	1.0 thousand gailons per day
	Otner"	108+	9.0 thousand gallons per day
	Tatai Item 8	iosř	10.0 Chousand gallons per day
	"If there are discharges to	1083	Equipment water supply and washdown
	If there is "Sanitary" water use, give the number of ocoble served.	108 n	_100 Proole served
	and the second second second second second second second second second second second second second second second		

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### FORM APPROVED OME No. 155-R0100

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the categories below. Estimate average volume per day in thousand gallons per day.		Number of Discharge Points		Total Volume Used or Olscnarged, Thousand Gal/Oay	
Surface Water	10991		10922	0	
Sanitary wastewater transport	10901		10502	10	
3ystem	N	3		32.6	
Storm water transport system	10901		109-2	32.0	•
Complete sanitary and storm					
water transport system	10901		103 42	0	
Surface imboundment with ho effluent		0		0.	
	109#1		103e2	<u>v</u>	
Underground percolation	109f11		10912	0	
Well Injection	109g1	0	10992	0	
Waste acceptance (irm	109h1	1	103hz	1.0	
	A an a string of the	0	Same?	0	
Evaporation	10911	_ <u> </u>	10912		
Consumption .	tosti		105/2 ( )	0	
Dtner*	103X1		103KZ		ç , 0
· · ·					
Facility discharges and volume Total Item 9.	105(11)		10512	34.6	•
	Sec. 19		warmer See		5 <sup>1</sup>
"If there are discharges to 'other,' specify.	105m1	No senar	ate de	watering onl	y collection of seepa
			The second second second second second second second second second second second second second second second s	لللكف وتؤكليك المحطانية	A PRITERPROMENT PERNA

Type of Permit Date Date Oate Expiration Issuing Agency For Agency Use 10 Number Filed Denied or License Issued Oate Y9/MO/DA YR/MO/DA YR/MO/DA YR/MO/DA 110 Fr(a) to the line (b) of the set The (c) APRIL + (-(a) as 1 [ In wer (a) Aright - (an () miles - (-) Aright (0) mass Los Ange 1. e -------County of Ange ·'\_\_ đ \_ \_ -. 2.  $\overline{x}_{2}$ • . . in a service second . з. 

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

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12. Additional Information

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Alt Facility Discharges and other

Losses: Number and Discharge (see Instructions) Volume Specify the number of discharge points and the

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GDE"	Item Nu	moer					Inforn	ation	*		
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FORM PPROVED OMB No. 158-R0100

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE								

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### SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section 1, 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 dright 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			
	<ul> <li>Discharge Serial No. (see instructions)</li> </ul>	201a		
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any,</li> <li>(see instructions)</li> </ul>	2015	<u>Civic Center Station A-142-147</u> Construction	<u> </u>
	C. Previous Discharge Serial No. If previous permit application was made for this discharge (see item 4. Section 1), provide previ- ous discharge serial number.	201c	·	
2.	Discharge Operating Dates	1 1 1	7	
	a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	2025 2025 2025 2025 2025	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 etti- mate) the discharge will begin.	2025	86 <u>1</u> <u>NB MO</u>	/ / .
	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 7.</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.			Agency Use
	State .	2043	California	204d
	County	204b	Los Angeles	204e
	(if applicable) City of Town	204c	Los Angeles	2041
5.	Discharge Point Description Discharge is into (check one); (see instructions)	2. A.		
	Stream (includes ditches, arroyos, and other intermittent watercourses)	2052	USTR .	
	Lake	,		
	Ocean		OCE	
	Municipal Sanitary Wastewater Transport System		۲мтs	
	Municipal Combined Sanitary and Storm Transport System	:.	□ MCS	

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			CHARGE SERIAL NUMBER	
	•		004	
				FOR AGENCY USE
	Municipal Storm Water Transport System		[≱ S T S	
	West (Injection)			
	· · ·		Сотн	
	Otner	)		
	lf other is checked, specify	2058		
6.	Discharge Point — Lat/Long Give the precise location of the Point			
	of discharge to the nearest second. Latitude	2064	<u>34 deg 2 min 30 sec</u>	
	Longitude	2065	118 DEG 15 MIN 00 SEC	
	Congitade	1000		
7.	Discharge Receiving Water Name Name the waterway at the DDint	2074	Champ Dunin to Los Angeles Diver	
	of discharge.(see instructions)		Storm Drain to Los Angeles River	
			For Agency Use For Agency Use	· _
	he discharge is through an out- that extends beyond the snore-	2075	Mator Minor Sub	
tine	or is below the mean low		2070	
	en letted emitthearen temme de			
۴.	Offshore Discharge	1.7	N/A feet	
	a. Discharge Distance.from Shore	208a		
	<ul> <li>Discharge Depth Below Water</li> <li>Surface</li> </ul>	2086	N/A	
9.	Discharge Type and Occurrence		-4	
	a. Type of Discharge Chack		Rices Contains	A.
	whether the discharge is con- tinuous or intermittent,	209a	C (con) Continuous	Ŷ
	(see instructions)		(int) Intermittant	
	<ul> <li>Discharge Occurrence Days par Week Enter the average num-</li> </ul>	209p	Zaays per week	
	ber of days per week (during periods of discharge) this dis-			
	charge occurs.			
	<ul> <li>Discharge Occurrence —Months   If this discharge normally ;</li> </ul>	2090	DJAN, DEEB DMAR DAPR	
	operates (either intermittently, - or continuously) on less than		MAY DUL DUL DAUG	
	a year-around basis (excluding shutdowns for routine mainte-	4	SEP OCT ONOV ODEC	
	nance), check the months dur- ing the year when the discharge	3.5		
	is operating. (see instructions)	rqt Save		
	noiste items 10 and 11 if "inter- tent" is checked in ttem 9.4			
	erwise, proceed to Item 12:	1997 - 19		
0.	Intermittent Discharge Quantity	مورية المعدية مركز المعدية	N/A	
	State the average volume per dis- charge occurrence in thousands of	210	N/Athousand gallons per discharge occurrence.	
	gallons.	- gan		
t1.	Intermittent Discharge Duration			
	a. Intermittent Discharge Duration	. × ·	M/A	
	Per Day State the average number of hours der day the discharge is operating,	211a	N/Anours per day	
	b. Intermittent Oischarge			
	Frequency Slate the average number of discharge occur-	2115	discharge occurrences per day	
	rences oer day during days when discharging.			
	wiren orschardluge			
	Maximum Flaw Period Give the			•

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FORM APPROVED OMS No. 158-R0100

FOR AGENCY USE									
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 Activity Description Give a nerrative description of activity producing this discnarge.(see instructions) 2132 Piped discharges to stormdrains

between along Hill Street from Jemple to First Street. west of the Los Angeles River.

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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 14a) or the product produced (Item 14b) in the units specified in Table I do the Instruction Sookiet. 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)	<u>1 (3)++ +</u>	(4)	(5)	· .
				-*		
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				- ·		
	*			••		
					· · · · · · · · · · · · · · · · · · ·	

b. Pro	ducts	Not	Applic	able		845	dimum	Unit	Shar	d Discharges	
	SIC Cod	ie			Name			(See Table		ial Number)	
2149	(1)		T		[2]		(3)	(4)	" .	(5)	
				•					ĺ		
			•								

* * * #	DISCHARGE SERIAL NUMBER	
13. Waste Abstement	004 FOR AGENCY USE	
a. Waste Abstement Practices Describe the waste abstement gractices used of this discharge with a brief narrative. (see instructions)	Ziss         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 Bookiet, describe the waste abatement on order in which they occur if possible.	215b       (1)	

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DISCHARGE SERIAL NUMBER

FORM APPROVED OMB No. 158-R0100

FOR AGENCY USE										
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#### 16. Wastewater Characteristics

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

Parameter 216	Present	Parameter 216	Pretend
Color 00030		Copper 01042	
Ammonin 00610		lron 01045	x
Organic nitrogen 00605		- Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite		Manmanese 01055	X
Phospharus 00665		Mercury 71900	
Sulfate 00945	x	Molybdenum 01062	
Sulfide 00745	-	Nickel 01067	0 T
Suifite 00740 -		Selenium 01147	
Bromide * 71870		Silver 01077	
Chloride * *	X	Potassium 00937	X
Cyanida 00720 -		Sodium 00929	X
Fluoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Алtimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides" 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	x	Pesticides • 74053	~
Cadmium		Oil and grease 00550	
Calcium 00916	X	Phenols	* e
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

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

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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. -

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#### 17. Description of Intake and Discharge

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

In addition, enter the parameter name and bode and all required values for any of the following parameters if they were checked in Item 15; ammonia, Cyanide, aluminum, arsenic, beryllium, cadmium, chromium, choper, lead, mercury, nickel, selenium, zinc, gnenols, oil and grease, and chiorine (residual).

	. ԼուՈս	ent			Effluent			
Parameter and Code £ .217a	Unicested Intake Water (Daily Average)	In-Flant Treated D Intake Water (1)aily Average)	G Daily Average	Aliulumun Value Observed or Expected During Discharge Activity	Maxlanum Value Observed or Expected During Discharge Activity	) Frequency of Analysis	Analyses	Sample Type
Fiow Gallons per day 00056	24,600	10000	34,600	0	34,600	Monthly		
pH Units 00400	- 7.0.		$\left \right>$	6.0	8.0	monthly		
Temperature (winter) F 74028	ND		±_2°_	<u>+</u> 2 <sup>0</sup> c	+ 2 <sup>0</sup> c	•		
Temperature (summer) * 7 74027	ND		• <u>+</u> 2 <sup>0</sup> c	<u>+</u> 2 <sup>0</sup> c	<u>+</u> 2 <sup>0</sup> c	6		•
Biochemical Oxygen Demand (BOD S-day) mg/l 00310	. ND (0)		-	-	_			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)			-	-			
Total Suspended (nonfüterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	700- 30000			700	30000	-		
Settleable Matter (residue) mi/1 . · 00545	ND		-	-,				

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

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DISCHARGE SERIAL NUMBER FOR AGENCY USE 004 ۰. 17. (Contro.) . . Influent Effluent . Ĵ MaxImum Value Observed or Expected During Discharge Activity Univeated Intake Water (Daily Average) Minimum Value Observed or Expected During Discharge In-Plant Treated Intake Water (Daily Average) Dally Average g Sample Type Paramete: and Code Frequency ( Analysis Number of Analyses 2274 Activity • (2) (3) (4) (5) (6) (7) (8) (1) 10 Monthly 10 0 0 ----

متصفيقه متصابية لأصبوكم بكيقان كياو بصائما م

ومحمد عارون المحمد المسيد المستحد

0i1/Grease 00550 . . - ---. . 1 .

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

pumping facility.

power or equipment failure

generation and water treatment additives are used.

- 15. Water Treatment Additives If the discharge is treated with any conaltioner, inhibitor, or algicide, answer the following:
  - a. Name of Material(s)
  - facturer
  - C. Quantity (pounds added per million gallons of water treated).

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FORM APPROVED OMB No. 158-R0100

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Alternate power source for major

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2193 orrigions Complete

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2196 

213c

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Alarm or emergency procedure for

Complete Item 19 If discharge is from cooling and/or steam water

b. Name and address of manu-

			DISCHARGE SERIAL NUMBER	Constant -
			004	FOR AGENC
	d. Chemical composition of these	Z15d	N/A	
	additives (see instructions).			
	·	i I		
(e.g	nplete items 20-25 If there is a thermal on associated with a steam and/or power	generatio	n	
	it, steel mill, Petroleum refinery, or any subscturing process) and the total discna		s	
	million gattons per day of more. (See in			
70	Thermal Discharge Source Check	220	N/A	
201	the appropriate item(s) indicating			
	the source of the discharge. (see Instruct(Ons)	1 2 4		
	Boiler Slowdawn		BL80	
	Soller Chemical Cleaning	· ·	BCCL	
	Ash Pond Overflow	1.24	APOF	
	Boller Water Treatment — Evapora-			
	tor Blowdown	4 4 . 1	<b>B</b> 4444	•
	Oil or Coal Fired Plants — Elfluent from Air Pollution Control Devices		OCFP	
	Condense Cooling Water			
	Cooling Tower Blowdown			
	Manufacturing Process			
	Other	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	ОТНЯ	4
		1 1 1 1 1 1 1		
21.	Discharge/Receiving Water Temper- ature Difference		N/A	
	Give the maximum temperature			
	difference between the discharge			
	and receiving waters for summer and winter operating conditions.		•	6
	(see instructions)	2212	<u></u> ° <del>⊬</del> .	Ŷ
	-	1	0 F.	
	Winter	221b		
22.	Discharge Temperature, Rata of			
	Change Per Hour	222	OF./hour N/A	
	Give the maximum possible rate of temperature change per hour of			
	discharge under operating con-			
	ditions, (see instructions)			
23.	Water Tempersture, Percentile		N/A	
_ ,	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		10% 5% 1% Maximum	
	• a. Intake Water Temperature	2233	OF OF OF	
	(Subject to natural changes)		0F 0F 0F . 0F	e. d.a.
	b. Discharge Water Temperature	2236	OF OF OF	
	White Induity Materia			
24.	Water Intake Velocity (See Instructions)	224 %	feet/sec. N/A	
25.	Retention Time Give the length of	225	minutes	
	time, in minutes, from start of			
	water temperature rise to discharge of cooling water. (see instructions)			

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EPA Form 7550-23 (7-73)

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FORM APPROVED OMB No. 153-R0100

### DISCHARGE SERIAL NUMBER

004	

26. Additional Information

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	tem ·	Information
		See Attachment A
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FORM APPROVED OMB No. 158-R0100

### 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 attacned to this application. If you are subject to several DIFFERENT IMPLEMENTATION SCHEDULES, EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 12.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

1.	Improvements	300				SCHED	NO.	Stand Con		14.
	a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.	301a		0	4	<u>h: 2000</u>		,	<u> </u>	
	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		NA						<del>.</del>	· · ·
	Instructions)	-301b								
	Locally developed plan	1 August								
	Areawide Plan	1.00	-							
	gasic Plan		<b>BAS</b>							ĥ
	State approved implementa- tion schedule		[]sqs							<sup>1</sup> 7. 
	Federal approved water quality standards implementar for tion plan.		[]was							٠
	Federal enforcement proced- ure or action								•	
	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 require-		3-chafacte (general)							
	ment of the implementation schedule and the applicable six- character abatement code(s)	.301c								
	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 con-	3014	6-characte (specific) (see Taole	}		• •	•			
	schedule, Julie described here struction being described here with the appropriate general action code. Submit a separate Section III for each stage of							••• •= _=	a., 18. g.	
	construction planned.	1 and and a								

1 · · · · · · · · · · · · · · · · · · ·	· ·	
New Facility	NEW	
Modification (no increase in capacity or treatment)	моо	
	INC	
Increase in Capacity	INT	
Increase in Treatment Level		
Both Increase in Treatment Level and Capacity	ICT	
Process Change	PRO	
 Elimination of Discharge	ELI	

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Implementation Schedule and 3. Actual Completion Dates

*	, the recent	completi	Ion Dates						Contraction and the second second second	_
	Provide dates imposed by schedule and any indicate dates as accurately as possible. (se	actúal di e Instruct	ates of cor lions)	mpletion for	Implementa	tion	steps ()		•	
•	Implementation Steps					٠				
	<ul> <li>Preliminary plan complete</li> </ul>	3024	Dellegale	(Yr./Mo./Da	Y} ·	3. 7	Actual	Completion	(Yr-/Mo./Day)	
	b. Final plan submission	mais: 1	/ ·	_/	. 303A		<i>!</i>			
•	E Final plan complete	JO2b	/	_/;	1010	- · -	/_	/		
•	d. Financing complete & contract awarded	302g	/	_/	_303e	-	/_	· /	· ·	• •
•	L Site accuired	Joze	. /	_/	003d	-	/	/		
ť	Begin action (e.g., construction)	302f	,		303e	-	/	/	•	
9	End action (e.g., construction)	3029	• ,		1034	-	/	_/		
ስ.	Discharge Began	3026			20.3g	_	/		•	
. 1.	Operational level attained		· .	/	5 30 3h		/	<u>•/</u>		
	ri:	Section St.	/	/	3031	-	/	,	·	

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FOLM APPROVEL OME No. 115\_ROIDL

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### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

### SECTION I. APPLICANT AND FACILITY DESCRIPTION

Uniess 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

٦.	Legal Name of Abblicant (see instructions)	101	Southern California Rapid Transit District
2.	Mailing Address of ADDlicant (see instructions) Number & Street	1022	425 South Main Street
	City	1025	Los Angeles
	State	· 102c	<u>CA</u>
	Zip Code	1020	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	1035	600 South Spring Street Suite 1200
	City	103c	Los Angeles
	State	103e	CÀ
	ZID Code	103e	90014
	Telephone	1031	213 489-6941
4.	Previous Application If a previous application for a National or Federal discharge Der-		Area Number Code
	mit has been made, give the date of application. Use numeric		N/A
	designation for Gate.	104	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	[ 102# ]	Transit Facilities	
Printed Name of Person Signing		Title	
AE Canadent	1021	11/14/85	
/   Signature of Applicant or Authorized Agent	- Luisiana)	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 faisifies, 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	
		CFFICE:EPA Region Number
YR MO DAY		State
• • ••••••••••••••••••••••••••••••••••	<u>l-1</u>	This section contains 3 pages.

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<ul> <li>Fighty/Activity (see in Give the name, owners) physical location of the other operating facility</li> </ul>	nia, and plant or where dis-	FOR AGENCY USE
Charge(s) does or will o	105:	5th/Hill Station A-145.148.157
6 w		Southern California Rapid Transit District
• .		Los Angeles
	<u>.</u>	LOS Angeres
Ownership (Public, F Both Public and Priv	ate) [105	
Check block if Fede and give GSA Inveni Number	rai Facility 105 Control 200 105	d
Location	1.1	
Street & Number	105	i a
City	105	Cod (high) Co
County	105	
	, and a second second second second second second second second second second second second second second second	
State	10	
<ol> <li>Nature of Business S nature of the business at the plant or operation</li> </ol>	tate the * 100	Rapid Transit System
	10	
		and the set of the
•		
7. Facility Intake Water tions) Indicate water	Intake volume	金属
per day by sources. Average volume per d gallons per day.	ay in thousand	10.0 thousand gallons per Cay
Municipal or privat	ewatersystem - to	28.8 thousand sallons per Cay
Surface water Groundwater		13.2 thousand gallons per day
Groondwater		O thousand gallons per day
Other		The 52.0 thousand gallons per day
Total Item 7	· · ·	ne and a second s
"If there is intake wat "other," specify the s	er from ource. 10	57f
<ol> <li>Facility water Use average volume per o gallons der day for til</li> </ol>	ay in thousand	
types of water usage (see instructions)	at the facility.	
. Noncontact coolir	ig water 1	083 thousand gallons per day **.
Boller feed water	4 (* 1	Deb thousand gations per day ** ** **
Process water (Inc cooling water)	1	oBe thousand gallons ber day
Sanitary water	1	asd thousand gallons per day
Other"	1	
, Total Item 8		losi <u>10.0</u> thousand gallons per day
"If there are dischard "other," specify.	1	Equipment water supply and washdown
If there is "Sanitary the number of dead		108h -100 Pedale Served

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### FORM APPROVED OME No. 155-R0100

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

average volume per day in thousand,		Discharge		or Discharged.		
gations per day.		Points		Thousand Gai/Day		
Surface Water	10921	0	10932		τ¢	
Sanitary wastewater transport	taeor		10552			
system	109cl	2	10962			
Storm water transport system						
Complied senitary and storm water transport system	10961	0	105 d2			
Surface Impoundment with no effluent	109e1	0	109e2			
'. Underground bercolation	1997 1997 2019		10912	0		
Well Injection	109g1		10992			
Waste acceptance firm	109h1	0	103h2	0		
Evaporation -	10911	0	10312	]		
Consumption -	10311 (	1	10512 (		* 	•
Other" • •	105×1		103k2	1 13.6		
Facility discnarges and volume Total Item 9-	105110	\	iles and a second	52.0		٨
*If there are discharges to 'other,' specify.	109 m t		ring di	scharges to s	stormdrains	

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Number of

Total Volume Used

or Discharged.

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	10 Numo		Date Filed YR/MO/OA	Oate Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/OA
110	(a)	1980 (Section) - 1995 - 200	- nr. <b>(c)</b> - \$97527	(····· (0) )		× #?** (∎) +?lays.'		1994 (9) See o	and States
1.		s		l					<u> </u>
	County of Los Angele	s				409	<u> </u>		_
2.									
					.			<u> </u>	
э.		The state of the second second				•		<u> </u>	
		and the second sec							

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

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12. Additional Information

112 Item Number

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Information

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FORM SPPROVED OMB No. 153-R0100

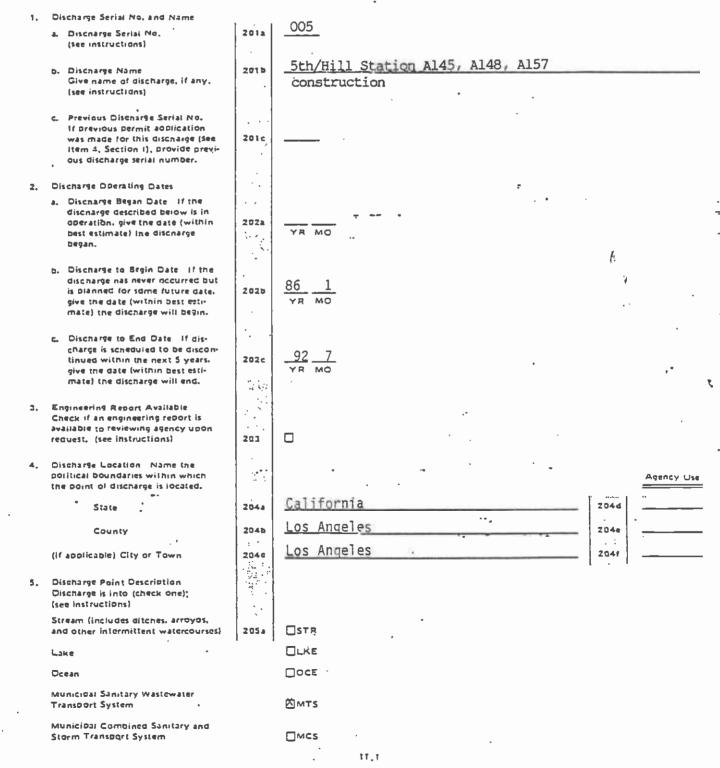
### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR	AGE	NC	USE
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#### SECTION IL BASIC DISCHARGE DESCRIPTION .

Complete this section for each discharge indicated in Section 1. Item 9, that is to surface waters. This includes discharges to riunicipal sewerage systems in which the wastewater does not go through a freatment 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.



-		DIS	CHARGE SERIAL NUMBER
			FOR AGENCY
Municiasi Storm Wi System	iter Transport		[],s⊤s
Well (Injection)			C WEL
Other			Сотн
If 'other' is checke	d, specify	2056	- 
<ul> <li>G. Discharge Point — L</li> <li>the precise location</li> </ul>			
of discharge to the r	nearest second.		34 DEG 2 MIN 30 SEC
Latitude		206a	118 DEG 15 MIN OD SEC
Longitude		2062	TTO DEG TO MIN OUSEC
<ol> <li>Discharge Receiving Name the waterway of discharge.(See inst</li> </ol>	at the Point	2074	Storm Drain to Los Angeles River
If the discharge is throug fall that extends beyond line or is below the mear water line, complete Iter	the shore-	2075	For Agency Use Major Minor Sub 207c 207c
1. Offshore Discharge		17	- •
a. Discharge Distan	ce.from Shore	2083	N/A feet r
b. Discharge Depth Surface	Below Water	ZOED	N/A
9. Discharge Type and	- Decurrence		
a. Type of Discharg whether the disc		2093	Can) Continuous
tinuous or intern (see instructions)			(int) Intermittent
b. Discharge Occur week Enter the ber of days per w periods of discha	average num- reek (during	2096	<u>.</u> 
Charge occurs.	4		
<ul> <li>Discharge Occurs</li> <li>If this discharge</li> <li>operates (either i</li> </ul>	normally ntermittently,	209c	DIAN DEEB DMAR DAPR
· or continuousiy) a year-around ba shutdowns for ro	sis (excluding	1.55	DSEP DOCT DNOV DDEC
nanCe). Check the ing the year whe is Operating. (see	e months dur- n the discharge		
complete Ltems 10 and 1	1 If "inter-		a a a a a a a a a a a a a a a a a a a
hittent" is checked in It )therwise, proceed to It	em 9.2		
g. Intermittent Dischar	-		N/A
State the average vo charge occurrence in gallons.		210	<u> </u>
11. Intermittent Dischar and Frequency	ge Ouration		
a. Intermittent Disc Per Day State to number of hours discharge is ober	he average Der day the	211a	N/Anours per day
b. Intermittent Disc Frequency Stat number of disch: rences per day di	e the average arge occur-	2115	discharge occurrences per day

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13.	Activity	¢

Oescription Give a narrative description of Ectivity producing this discharge.(see instructions)

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FOR AGENCY USE									
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11				- 1					
1.1					.1				

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Piped discharges to stormdrains 213a

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

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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, suoply the type and maximum amount of eitner 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

Note applicable construction activities associated with excavation and cleanup...

	SIC Code	e	Name			Maximum Unit Amount/Day (See Table I)			Shared Discharges (Serial Number)		
t14a	• (1)				(2)	1	. (3)	[ (4	. <u>.</u>	(5)	
				Ì	-	1					
						<u> </u>				•.	
		•				- <u> </u>			-		
			•			1			-•.		
						-			·, -	ه به جه	

#### Not Applicable b. Products

_	SIC Code	Name	Maximum Amount/Day	(See Table I)	Shared Discharges (Serial Number)	
2146	(1) .	(2)	· (3)	(4)	··· (5)	
				•		

ŧ? DISCHARGE SERIAL NUMBER 005 FOR AGENCY USE 15. Waste Abatement Separation of wastewater flows, Waste Abatement Proclices a. 215a Narratives Describe the waste abatement practices used on this discharge treatment of wastewater flows, and with a brief narrative. (see instructions) monitoring of quantities and qualities . . of flows ." ÷ : -.  $\overline{c}$ (2) ESEGRE (3) EMERGE ESEPAR (1) \_ 2155 b. Waste Abatement Codes Using the codes listed in Table (5) DSTOPD (6) LOCALS DHYSIC (4) -It of the Instruction Bookiet. (9) PFLOAT describe the waste abatement <u>OMONIT</u> (6) - PSEDIM (7) processes for this discharge in (12) MUNDIS the order in which they occur SL'ANDD (11) \_ (10) \_\_\_\_\_PSEPAR If possible. . (15) (14) (13) \_\_\_\_ A (18) (17) \_ (16) \_ (21) (20) \_ (19) \_ (2-) -(23) . (22) =(25) \_

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FOR AGENCY USE									
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#### 16. Wastewater Characteristics

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

Parameter :216	Present	Parameter 216	Present
Color 00080		Capper . 01042	
Ammonn 00610		lron 01045	X
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	X
Phosphorus .		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	-
Sulfire 00740 -		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 009 37	X
Cyanide 00720		Sodium 00929	X
Fiuoride 0095 l	X	Thallium 01059	
Aluminum . 01105	1	Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Bervllium 01012		Algicides" 7405 1	
Barium 01007	Ī	Chlorinated organic compounds* 74052	
Boron 01022	x	Pesticides 74053	-
Cadmium		Oil and grease 00550	
Calcium 00916	x	Phenols	•. •
Cobait 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal collform bacteria 74055		Radioactivity# 74050	

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

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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 Labets, 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.

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### 17. Description of Intake and Olscharge

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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 3H required values for any of the following parameters if they were checked in item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, Chromium, Cobber, Jead, mercury, nickel, selenium, Zinc, phenois, oil and grease, and chiorine (residual).

	. հոնս	ent	Effluent					
Parameter and Code £ .217a	Unireated Inlake C Valer (Daily Average)	In-Plant Treated Diniake Water (Duily Average)	G Daily Avcrage	Minimum Value Observed or Expected During Discharge Activity	Maximum Value Observed or Expected Durling Discharge Activity	G Frequency of Analysis	Analyses	
Fiow" Gallons per day 00056	42,000	10000	52,000	1000	52,000	Monthly		
pH Units 00400	7.0		$\mathbf{X}$	6.0.	8.0	monthly		
Temperature (winter) * F 74023	ND		+. 2° c .	<u>+</u> 2 <sup>0</sup> c	+ 2 <sup>0</sup> c	•		
Temperature (summer) * F 74027	ND		+ 2 <sup>0</sup> c	<u>+</u> 2 <sup>0</sup> c	+ 2 <sup>0</sup> c	6		•
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	- ND (0)			-	-			
Cnemical Oxygen Demand (COD) mg/l 00340	ND (0)	-			-	·		,.
Total Suspended (nonfilterable) Solids mg/i 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	700- 30000	•		700	30000			
Settleable Matter (residue) ml/l . : 00545	ND		-	-,	**	er 		

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

EPA Farm 7550-23 (7-73)

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FOR AGENCY USE

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DISCHARGE SERIAL NUMBER 005

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	Inile	ient	Effluent .							
Parameter and Code	Unireated Intake Water (Daily Average)	In-Plant Treated D Intake Water (Daily Average)	() Daily Average	Minimum Value Observed or Expected During Discharge Activity	MaxImum Value Observed or Expected During Disclarge Activity	) Frequency of Analysis	<ul> <li>2) Number of</li> <li>(2) Analyses</li> <li>(3) Sample Type</li> </ul>			
0il/Grease 00550	0		10	0	10	Monthly				
•						. :	F			
	-					• •				
			· ·							
				<u> </u>			E			
· · ·		· ·		*						

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

> Alternate dower 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, innibitor, or algicide. answer the following:

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a. Name of Material(s)

- b. Name and address of manufacturer
- c. Guantity (pounds added per million gallons of water treated).

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		4		
N/A				
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		DISCHARGE SERIAL NUMBER	FOR AGENCY
	1	N/A	
<ul> <li>d. Chemical composition of these additives (see instructions).</li> </ul>	219d	·	
i Complete items 20-25 If there is a thermal di (e.g., associated with a steam and/or power g plant, steel mill, petroleum refinery, or aity o manufacturing process) and the total dischar 10 miltion gallons per day or more. (see inst	eneratio Other ge flow	 is	
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	1.4.4		
Boller Water Treatment — Évapora- tor Blowdown		 €Р80	
Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices		0CFP .	
Condense Cooling water		COND	
Cooling Tower Blowdawn		Стар	
Manufacturing Process		MEPR	
Other ·			
21. Discharge/Receiving Water Temper- ature Difference		N/A	
Give the maximum temperature			
difference between the discharge and receiving waters for summer and winter operating conditions.	-		- 6
(see instructions) Summer	2212		Ŷ
	2215	°F.	,
22. Discharge Temperature, Rate of Change Per Hour	222	OF-MOUT N/A	
Give the maximum possible rate of			
temperature change per hour of discharge under Operating con- ditions. (see instructions)			
23. Waler Temperature, Percantile 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	1999 1997 1997 1997 1997 1997 1997	10% 5% 1% Maximum	
Intake Water Temperature	2234	0F 0F 0F	
(Subject to natural changes) b. Discharge Water Temperature	ZZ36	0F 0F 0F	
24. Water Intake Velocity (See Instructions)	224	feet/sec. N/A	
25. Retention Time Give the length of	225	minutes	

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### EPA Form 7550-23 (7-73)

FORM APPROVED \*\* OMB No. 155-R0100 DISCHARGE SERIAL NUMBER FOR AGENCY USE 005\_ 26. Additional Information . -| information Item 226 -See Attachment A 1.0 ÷ . .. . . 4 : • • . z . . . -. . . . . . -. . . ٠, .  $\cdot$ 1 . . . . .  $\rightarrow$  $\boldsymbol{x}_{1}, \boldsymbol{x}_{2}$ -\_ . . . . . . . .

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EPA Form 7550-23 (7-73)

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FORM APPROVED OMB No. 158-R0100

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### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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### 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 ment tachities, such requirements and implementation schedules may have been established by local, state, or regeral 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 OIFFERENT 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 ---

				AGENCT US		
Improvements	300		SCHED. NO.	- singleran		
<ol> <li>Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.</li> </ol>	<u> </u>	5	<u> </u>		<u>.                                    </u>	·
b. Authority imposing Require- ments Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check	NA -					•
the appropriate items. (see Instructions)					•	
Locally developed plan	k2019 Uroc		-			
Areawide Plan						
Basic Plan	BAS					6
State approved implementa- tion schedule	⊡sqs					τ. γ
Federal approved water quality standards implementar — tion plan.				·		• *
Federal enforcement proced- ure or action	DENF					
State court Order						
Federal court order				٠		
C. Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the require-	3-character (general)			-		
ment of the implementation Schedule and the applicable Six- character abatement code(s)	.301c					
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 con-	301d 6-charaCter (specific) (see Table II)		•		_	
schedule, state the stage of com- struction being described here with the aboropriate general action code, Submit a separate Section III for each stage of			-	. رمین ایس پرد	•. •f p	

			· ·		
	New Facility	٠	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 Olscharge		ELI	•	

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# FOR AGENCY USE

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Implementation Schedule and 1. Actual Completion Dates

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Kande L

Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. Implementation Steps . 2. Schedule (Yr./Mo. /Day) -\* 3. Actual Completion (Yr./Mo./Day) Preliminary plan complete 3021 Malay .. 3034 b. Final plan submission. 3025 ing same \*\*\* 3035 Finat plan complete 303c J02a d. Financing complete & contract awarded ۳. 3024 3034 . 5 E Site accuired ENE C 302e Joge f. Begin action (e.g., construction) 33 E ا المجمعة المراجعية 3021 303f g. End action (e.g., construction) o, prige 3029 30 3g h. Discharge Began 302h 303h 10 M 100

L. Operational level attained

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FORM APPROVED OMB Net 112-RU101

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# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

# STANDARD FORM C - MANUFACTURING AND COMMERCIAL

#### SECTION 1. APPLICANT AND FACILITY DESCRIPTION

Untess 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

٦.	Legal Name of Applicani (see instructions)	101	Southern California Rapid Transit District
z.	Mailing Address of Applicant (see instructions) Number & Street	102z	425 South Main Street
	City	1025	Los Angeles
	State	102c	<u>CA</u>
	ZID Code	1024	90013
з.	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	1035	600 South Spring Street, Suite 1200
	City	1035	Los Angeles
	State	103d	<u>CÀ</u>
	Zip Code	103e	90014
	Telephone	1031	213 <u>489-6941</u> Area Number
4.	Previous Application If a previous application for a National of Federal discharge per- mit has been made, give the date of application. Use numeric designation for date.	104	N/A YR MO DAY
	<b>*</b>		

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	1p2e	Transit Facilities
Printed Name Of Person Signing		Title
DE Casales/	102f	114/85
Signature of Applicant of Autoprized Agent	beer to an advanced	/ * 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 faisifies, 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

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This section contains 3 pakes.

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5.	Fishity/Activity (see instructions) Give the name, ownershid, and physical location of the Diant of		•	FOR AGENCY USE	
	other operating facility where dis- charge(s) does or will occur.	( ···· )	5th/Hill - 7th Flower Tunnel Constru	iction	
	Name	1053			
	• .		<u>Southern California Rapid Transit Dis</u>	<u>trict</u>	
		ŀ	Los Angeles		
	Ownersalo (Public, Private or Bota Public and Private)	1050	X PUB PRV BPP		
	Check block if Federal Facility and give GSA Inventory Control Number	105c	☐ FED		
	Location . Street & Number	105e	5th/Hill.to 7th/Figueroa		
,	City	TOST (	Los Angeles		
	". County	1059	California		
	State	105h	Construction and Operation of		
	. ;	anna an Scriaint	Rapid Transit System	*	
€.	Nature of Business State the " nature of the Business conducted at the plant or operating facility.	106a.	Kapia Hansie Statem		
	•	1065	AGENCY USE	• • • •	
	• • • • •				
7, *	Facility Intake Water (see instruc- tions) Indicate water Intake volume per day by sources. Estimate average volume per day in thousand gallons ger day.			t +	
	Municipal or Private water system	1071	10.0 thousand sailons per day		
	Surface water	1078	<u>16.0</u> thousand sallons ber day		
	Groundwater	107e	32.2 thousand callons per day		
	Otner	107d	O thousand gallons Der day	. •	,• •
	Total Item 7	107e	58.2 thousand gallons per day		• ,
	"If there is intake water from "other," specify the source.	1071			
r.	Facility Water Use Estimate average volume per day in thousand gations per day for the following types of water usage at the facility. (see instructions)			÷	
	Noncontact Cooling water	1081	thousand gallons per day ••,		
	Boiler feed water ;	1080	thousand gallons per day	4 m	
	Process water (including contact cooling water)	108c	thousand gallons per day,		
	Sanilary water	1070	1.0 thousand gallons ber day		
	Other*	108.	9.0 thousand gallons Ber day		
	. Total Item 8	toar	10.0 thousand gallons per day		
	"If there are discharges to "other." specify.	1089	Equipment water supply and washdown		
	if there is "Sanitary" water use, give the number of people served.	10811	100 people served		
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All Facility Discharges and other Lossest Number and Discharge (see 9. Instructions) Volume Specify the number of discharge points and the volume of water discharged or lest from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

Surface Water	10931		10952 .	0			
•	10301	2	10952	. 1.0	·		
Sanitary wastewater transport	10307						
system				04.0			
Storm water transport system	10961	2	10962	24.0			+
Storin water trainbort system							
Completed sanitary and storm				_			
water transport system	10901		10942	0	_		
	· · · · · ·		1 Cime				
Sufface impoundment with no	тан., 4 м. 5 с.	0	1 X V2 5 54	0	•		
effluent	109#1	0	10942		<u> </u>		
•	and Sec.	~	14 mg <sup>24</sup>	0			
Underground percolation	109110		10912	()			
٩	26 4 X	0	and the second	0			
Vell Injection	10991		10992	<u> </u>	<u> </u>		
• •	1.1.1.1.1	1	1.12.1.27	1.0			
Waste acceptance firm	Toshi	<u> </u>	109h2				
	an a the	0		0			
Evaporation -	10911		10912		_		
	1. 1. 1.	0	1 1 1 N 1	0			
Consumption .	103[1		12912 (				
	~ 전화			22.2		•	
Other"	109x1	·	10982	<u> </u>			
		_					
Facility discharges and volume		5		58.2			
Total Itam 9.	10911		10512				6
	S. In		Trees of the				1.
"If there are discharges to 'other,"	ىغۇرى <i>11 .</i>	Dewater	ring dis	charges to	stormdr	ains	¥
speciliy.	105m1						

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	10 Number	Date Filed YR/MO/DA	Date Issued Y R/MD/DA	Date Denied Y R/MO/OA	Expiration Date YR/MO/DA
110	1 <b>(a)</b> 2527- 1	1987,999 ( <b>0</b> ) (2019) (3	h the <b>(c)</b> ⊕¥0ag	194 Star (0) - C.Y.	E Prove (B) and arrest	سوينظر (1) يبلي ال	1997 (91 Novel)	Sat 1 (th) white they
٦.	Lity of Los Angele				-	-	-	<u> </u>
	County of	states and the second			-	·		
2.		「ここを発生する」						
			· · ·	<u>.</u>	<u> </u>	1		
a. į		1	1 	ŀ	n.			
						<u>}</u>		

11. Maps and Orawings

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

12. Additional Information

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Total Volume Used

or Discharged,

Thousand Gal/Day

Number of

Discharge

Points

# FORM APPROVED OME No. 156-R0100

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FORM PPROVED

# STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE									
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# SECTION IL. BASIC DISCHARGE DESCRIPTION .

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to numicipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Ostcharges 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		005
	<ul> <li>Discharge Serial No.</li> <li>(see instructions)</li> </ul>	2014	006
			5th/Hill - 7th/Flower Tunnel A-146
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any,</li> <li>(see instructions)</li> </ul>	2016	Construction
	C. Previous Oischarge Serial No. Il 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.	2021	YR MO
			ſ.
	b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best enti- mate) the discharge will begin.	2025	86 <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.	202e	<u>92 7</u> YR MO
з.	Engineering Report Available Check if an engineering report is available to reviewing agency upon request, (see instructions)	203	 D
4.	Discharge Location Name the political boundaries within which the point of discharge is located.		
_	State	204a	California 204d
	County	2046	Los Angeles 204e
	(if applicable) City or Town	204c	Los Angeles
5.	Discharge Point Description Discharge is into (check one); (see instructions)		
	Stream (includes ditches, arroyos, and other intermittent watercourses)	205#	 []sтв
		1 1	
	Ocean		
	Municipal Sanifary Wastewater		
	Transdort System		۵мтs
	Municipal Combined Sanitary and Stdrm TransDort System	•	Пмcs .

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		•	
•••••••	DIS	CHARGE SERIAL NUMBER	
•		006	
			FOR AGENCY USE
Municipal Storm Water Transport System		[] s⊤s	
west (Injection)		□ weu	
 Other		Сотн	
It 'other' is checked, specify	2055		· · · ·
6. Discharge Point - Lat/Long Give the precise location of the point			
of discharge to the nearest second, Latitude	2064	<u>34 DEG 2 MIN 30 SEC</u>	
Longitude	2065	118 DEG 15 MIN 00 SEC	
Longitude	2005		
<ol> <li>Discharge Receiving Water Name Name the waterway at the point of discharge.(See instructions)</li> </ol>	207a	Storm Drain to Los Angeles River	
If the discharge is inrough an out- fail that extends beyond the shore- line or is below the mean low : water line, Complete (tem 8.	2075	For Agency Use For Agency Use 303e 303e	
8. Offshore Discharge	1.7.		
a. Discharge Distance.from Shore	2051	N/Afeet f	
b. Discharge Depth Below Water	2010	N/A rest	
Surface			
5. Discharge Type and Occurrence			
<ol> <li>Type of Discharge Check whether the discharge is con-</li> </ol>	2092	🖸 (con) Continuous	- 19 <u>.</u>
tinuous or intermittent. (see instructions)		(int) Intermittent	1
b. Discharge Occurrence Days Per Week Enter the average num- ber of days Per week (during periods of discharge) this dis- charge occurs.	2055	<u></u>	••
c. Discharge OccurrenceMonths			• *
If this discharge normally operates (either intermiltently,	209c	JAN DEE MAR DAPR	
<ul> <li>or continuously} on less than         <ul> <li>a year-around basis (excluding</li> </ul> </li> </ul>		DAUG JUL DAUG	
snutdowns för routine mäinte- nänce), Check the mönths dur-		SEP DOCT DNOV DEC	*
ing the year when the disenarge is operating, (see instructions)			
complete items 10 and 11 if "Inter-		۰. مه ۱	
hittent" is checked in Item 9.4			
•		···.	
0. Intermittent Discharge Quantity State the average volume per dis-	210	N/Athousand gallons per discharge occurrence.	
Charge occurrence in thousands of gallons.			
-			
<ol> <li>Intermittent Discharge Duration and Frequency</li> </ol>	a set a		
<ul> <li>Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.</li> </ul>	211a	N/Anours per day	
b. Intermittent Discharge Frequency State the average number of discharge occur- rences der day during days	2115	discharge occurrences per day	
when discharging.	· •		
12. Maximum Flow Period Give the time Berlod in which the maximum	212	From 10 5	

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DISCHARGE SERIAL NUMBER

FORM APPROVED OMB No. 158-R0100

FOR AGENCY USE									

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Shared Discharges

X,

 Activity Description Give a narrative description of attivity producing this discharge (see instructions)

\* 6

213a Piped discharges to stormdrains

. from 5th/Hill to 7th/Flower Streets

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west of the Los Angeles River.

Activities include dewatering

of groundwater, collection/treatment

of excavation seepage, stormwater

inflow, washdown, and equipment drainage

Note applicable construction activities associated with excavation and cleanup.

# a Raw Materials Not Applicable

	SIC Code			Name		Maximum Unit Amount/Day (See Table 1)				Shared Discharges (Serial NumDer)			
2142	· (1)			(2)		(3)·····	(4	}	'		(5)		
		•						• *	T				
				٠			•						
			, •	* •	-								
						, .							
		•	_										
								•.		•. •	e		

ð.	Products	Not.	Applicable				
		-		•	Maximum	Unit	

	SIC Code		Name		Amount/Day	(See Table I)	(Serial Number)	
2146	(1)		(2)		(3)	(4)		
						•		
						ļ		
			•	:				
			· .					
			• .					

 A second sec second sec

P DISCHARGE SERIAL NUMBER 006 FOR AGENCY USE 15. Waste Abatement Separation of wastewater flows. Waste Abatement Practices а. Narratives 215a Describe the waste abatement practices used on this discharge treatment of wastewater flows, and with a brief narrative. (see instructionsl monitoring of quantities and qualities of flows . ." . (3) EMERGE **ESEPAR** ESEGRE (2) \_\_\_\_ (1) \_ 215 b b. Waste Abatement Codes Using the codes listed in Table (5) DSTOPD (6) LOCALS DHYSIC (4) It of the instruction Bookiet. (9) PFLOAT describe the waste abatement OMONIT (8) <u>PSEDIM</u> (7) processes for this discharge in (12) MUNDIS the order in which they occur SLANDD (11) =if possible. --(14) . (15) (13) . ß (17) -(18) (16). (21) . (20) \_\_ (19) . (Z4) -(23) \_ \_ . (22) (25) \_

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DISCHARGE SERIAL NUMBER

FORM APPROVED OMB No. 158-R0100

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#### 16. Vastewater Characteristics

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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	Prevent
Cola: 00080		Copper . 010-12	
Аттоля 00610		lron 01045	X
Organic nitrogen 00605		- Lead 01051	
Nicrate 00620	x	Magnesium 00927	
Nitrite 00615		Manminese 01055	X
Phosphotus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 7	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 009 37	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 <sup>®</sup> 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boton 01022	X	Pesticides" - 74053	-
Cadmium		Oil and grease 00550	
Calcium 00916	X	Phenois	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055	_	Radioactivity* 74050	

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

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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.

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DISCHARGE SERIAL NUMBER

FOR AGENCY USE

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#### 17. Description of Intake and Disebarge

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

\_006

In addition, enter the Darameter name and Code and all redulted values for any of the following parameters if they were checked in Item 16: ammonia, cyanide, aluminum, arsenic, Deryllium, cadmium, chromium, codder, lead, mercury, nickel, selenium, 2inc, phenois, oil and grease, and chlorine (residual).

	. İnflu	ent			Effluent			-
Parameter and Code £.217a	Untreated Intake E Water (Daily Average)	In-Plant Treated D Intake Water (Daily Average)	() Daily Average	Altuinnun Value Observed or Brynecteri During Discharge Activity	Maximum Value Observed or Expected During Disclarge Activity	Brequency of Analysis	Analyses	
Flow- Gallons per day 00056 .	48,200	10,000	58,200	1000	58 <b>,</b> 200 <sup>.</sup>	monthly		
pH Units 00400	7.0		$\mathbf{X}$	6.0	8.0	monthly		
Temperzture (winter) * F 74028	ND		+. 2°c	+ 2 <sup>0</sup> c	+ 2 <sup>0</sup> c	• •		
Temperature (summer) * F 74027	ND		<u>+</u> 2 <sup>0</sup> c	<u>+</u> 2 <sup>0</sup> c	+ 2°c	٨		•
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/em at 25° C 00095	700- 30000	•		700	30000			
Settleable Matter (residue) ml/I . : 00545	ND		-	*** ***	**** #* * * 1 *	•		

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

## EPA Form 7550-23 (7-73)

FORM APPROVED OMB No. 158-R0100

د. ما المبد بولينية (1994 من الدارية 18 منتخبة مستحدة معدمة 1814 منتخب

DISCHARGE SERIAL NUMBER 006

ALC: 120

ومروقا يترداد المحاجمينيا والاسترا متشرك بتقاصر لأديا فارادا تركان كبوكان

همصمحا بدراع كبيروجا كيوارا فالكربة فيفا وتزرجان

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FOR AGENCY USE

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17. (Conthd.)

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. Influent Effluent . Maximum Value Observed or Expected During Disclasge Activity Unireated Iniake Water (Duily Average) Minimum Value Observed or Expected During Discharge Activity In-Plant Trealed Inlake Waler (Daily Average) Frequency of Analysis Daily Average Sample Type Parameter and Code Number of igna, A tualyses . (3) (4) (5) (6) (7) (8) (1) (2)10 0 10 Monthly 0 0i1/Grease 00550 \_ . J. . . - ----1 . .

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

> Alternate oower source for major pumping facility.

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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 comditioner, 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).

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NZA					
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		DISCHARGE SERIAL NUMBER
		006 FOR AGENCY
	1	N/A
<ul> <li>dChemical composition of tress additives (see instructions).</li> </ul>	Z19d	
Complete items 20-25 if there is a therma		
(e.g., associated with a steam and/or pow plant, steel mill, petroleum refinery, or a	iv Other	
manufacturing process) and the total olso 10 million gallohs per day or more. (See		
	tint	1 N/A
20. Thermal Discharge Source Check the appropriate item(s) indicating	220	
the source of the discharge. (See Instructions)		
Boiler Blowdown		
Boiler Chemical Cleaning	· · ·	
Ash Pond Dverflow	1.00	APOF
Boller Water Treatment — Evapora- tor Slowdown		
Oil or Coal Fired Plants - Effluent		
from Air Pollution Control Devices		
Condense Cooling Water • •		COND
Cooling Tower Blowdown		
Manufacturing Process Other		
estie.		•
21. Discharge/Receiving Water Temper- ature Difference		N/A
Give the maximum temperature		
difference between the discharge and receiving waters for summer		h
and winter operating conditions.		
(see Instructions) Summer	221a	° <del>7</del> .
Winter	2216	°F.
·		· · ·
22. Discharge Temoerature, Rate of Change Per Hour-	222 L	OF./hour N/A .
Give the maximum possible rate of		
temperature change per hour of discharge under operating con-		
ditions. (see instructions)		
23. Water Temperature. Percentile	2. 2. 2. 2. 4. 2. 2	N/A ···
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 hot at all (maximum		
yearly temperature). (see instruction	i kir is k	
Frequency of occurrence		10% 5% 1% Maximum
<ul> <li>Intake Water Temperature (Subject to natural changes)</li> </ul>	223+	
b. Discharge Water Temperature	2235	or or or
24. Water intake Velocity (See instructions)	224 %	feet/sec. N/A
25. Retention Time Give the length of	225	minutes
time. In minutes, from start of water temperature rise to discharge	Lawrence and	

* **		DISCHARGE SERIAL NUMBER
26,	Additional Inform	notice .
220	ttem	· Information
		See Attachment A
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EPA Form 7550-23 (7-73)

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FORM APPROVED OME No. 158-R0100

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# 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

(ite	m 1c), SUBMIT A SEPARATE SECTION			1	AGENCY USE	
3.	Improvements	300				
	a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.	<u>301a</u> <u>0 0</u>	6			· .
	b. Authority Imposing Require- ments Check the sopropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check	· NA ·		•	÷	•
	the appropriate items. (see instructions)			•	•	
	Locally developed plan					
	Areawide Plan *	BAS -				1
	Basic Plan State approved implementa- tion schedule					n n n n n n n n n n n n n n n n n n n
	Federal approved water duality standards implementa- tion plan.			·		
	Federal enforcement proced- ure or action					
	State court order					
	Federal court order			-		
	<ul> <li>Facility Requirement, Specify the 3-character code of those listed below that best describes in general terms the require-</li> </ul>	3-character (general)			•	
	ment 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 con-	301d 6-character (soecific) (see Table 11)			-	
	schedule, state the stage of other struction being described here with the appropriate general action code. Submit a separate Section III for each stage of				**** *************	
	exector tion diamed.	De Mar Del				

		· ·
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		EL.I

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-		1	1			1

Implementation Schedule and 3. Actual Completion Dates

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-	Provide dates imposed by schedule and a indicate dates as accurately as possible, implementation Steps		* . *		
	• · · · ·	2.	Schedule (Yr./Mo. /Day)		
	a Preliminary plan complete	3024		3. Actual Completion	(Yr-/Mo-/Day
21	b. Final plan submission	3025		//	
Ċ	Final plan complete	3020 ····	// 01b	//	
d	Financing complete & contract awarde	34	303c	·//	•
د	Site accuired			!!	
f.	Begin action (e.g., construction)	1021 - T		/	•
<b>g.</b>	End action (e.g., construction)	302y	2007.	//	
h.	Discharge Began	3075-C	PC 0C	//	•
, <b>I</b> .	Operational level attained	94.6 % 3021		//	,

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FORM APPRAVED OML No. 11: - RUICO

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

#### SECTION I. APPLICANT AND FACILITY DESCRIPTION

Uniess 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

٦.	Legal Name of ADDIGant (see instructions)	101	Southern California Rapid Transit District
2.	Mailing Address of Applicant (see instructions) Number & Street	102#	425 South Main Street
	City	1025	Los Angeles
	State	1020	
	Zip Code	1020	90013
3.	Applicant's Authorized Agent (see instructions) Name and Title	1024	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams) Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1035	600 South Spring Street, Suite 1200
	City	1020	Los Angeles
	State	1030	<u>CA</u>
•	Zip Code	103e	90014
	Telephone	1031	213 489-6941 Area Numper
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.

1024

1021

J.E. Crawley

Printed Name of Person Signing

Signature of Applicant or Authorized Agent

Director of Engineering Transit Facilities

Title

2 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.



Fighty Athenty Les Interested     Fighty Athenty Les Interested     Fighty Athenty Les Interested     Fighty Athenty Les Interested     Fighty Athenty Les Interested     Fighty Athenty Les Interested     Fighty Athenty Les Interested     Fighty Athenty Les Interested     Fighty Athenty Les Interested     Fighty Athenty Les Interested     Fighty Athent Interested     Fighty Atheny Athentics     Fighty Athent Interested     Fighty Athenty Inte					
Name     100     Tch/FLOWER Station Construction A-165-167       Southern California Rapid Transit District     Los Ancelss       Ownerwald (MURL, Prives or Bann Audie and Private or Bann Audie and Private or Bann Audie and Private or Bann Audie and Private Operation Street & Nummer     100       User to Summer     100       Civ     100       Civ     100       Construction and Operation of       Street & Nummer     100       Civ     100       Street & Summer	5.	Give the name, ownership, and physical location of the Plant or other operating facility where dis-		FOR AGENCY USE	
Southern California Rapid Transit District       Ownern() (Polic, Frister Ban Public and Frister Ban Public and Frister Sean Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Frister Ban Public and Public and Appendix and Appendix and Appendix County Band Band Band Band Band Transit System       2. Frister and Band br>Band Band			1.05	7th/Flower Station Construction A-165-167	
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Born Public and Privatel       100       BPUB       □PPU       □PPU         Check block if Pretering       This       □Prop       □Prop         Managed Schemeloy Control       1000       □Prop       □Prop         Location       Strett & Nummer       1000         Cluy       1000		Ownersola (Public Private of			
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7.       Pacifity induce water (see influe- bareage volume 2er day: average volume 2er day: Municipal or private water fytem       10.0       thousand gallons per Cay         Municipal or private water fytem       107a       20.4       thousand gallons per Cay         Surface water       107a       0       thousand gallons per day         Other*       107a       0       thousand gallons per day         Total item 7       107a       0       thousand gallons per day         ************************************		• • • • •			
warsee volume par day in thousand pailons ber day.       10.0       thousand pailons ber day         Municipal or private water system       1072       20.4       thousand pailons ber day         Surface water       1077       20.4       thousand pailons ber day         Other*       1077       0       thousand pailons ber day         Total Item 7       1077       1077       0         'If there is intake water from "other," toedify the source.       1077       1077         IF selifty Water Use Estimate average volume ber day in thousand pailons ber day       0       thousand pailons ber day         Noncontact Cooling water       1088       0       thousand pailons ber day         Process water (including contact cooling water)       1086       0       thousand pailons ber day         Sanitary water       1086       0       thousand pailons ber day         'It there are discharges to 'Other'       1086       0       thousand pailons ber day         'It there are discharges to 'Other'       1087       10.0       thousand pailons ber day         'It there are discharges to 'Other'       1086       10.0       thousand pailons ber day         'It there are signalized are used to be thousand pailons ber day       10.0       thousand pailons ber day         'It there are discharges to 'Other' <td>7.</td> <td>tions) Indicate water intake volume</td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>	7.	tions) Indicate water intake volume		· · · · · · · · · · · · · · · · · · ·	
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Municipal or provide water visiter       10.4         Surface water       20.4         Groundwater       9.7         Other*       0         Total Item 7       10.7         *00er*       0         1076       9.7         *10 Total Item 7       0         *1077       0         *1078       0         *1079       0         *1071       10.1         *1072       0         *1074       0         *1077       0         *1078       10.1         *1079       0         *1071       10.1         *1074       10.1         *1074       10.1         *1074       10.1         *1074       10.1         *1074       10.1         *1075       10.2         *1074       10.2         *1085       0         *1086       10.2         *1086       10.2         *1087       10.2         *1088       10.2         *1088       10.2         *1088       10.2         *10.2       10.2         *10.3 <td></td> <td></td> <td></td> <td>10.0</td> <td></td>				10.0	
Groundwater       9.7       thousand gallons per day         Other*       0       thousand gallons per day         Total Item 7       707       40.1       thousand gallons per day         *If there is linkake water from "other," specify the source.       107       0       thousand gallons per day         *If there is linkake water from "other," specify the source.       107       0       thousand gallons per day         *If there is linkake water from "other," specify the source.       107       0       thousand gallons per day         *If there is fully water uses of water uses gat the facility. (see linksturctions)       0       thousand gallons per day         *If there are discharges to contact cooling water       0       thousand gallons per day       0         *If there are discharges to contact       108       0       thousand gallons per day         *If there are discharges to contact       108       0       thousand gallons per day         *If there are discharges to contact       108       100       thousand gallons per day         *If there are discharges to contact       108       100       thousand gallons per day         *If there are discharges to contact       108       100       thousand gallons per day         *If there are discharges to contact       108       100       thousand gallons		Municipal or private water system		thousand gallons per Cay	
Groundwater       107e       9.7       thousand gallons per day         Otner*       107a       0       thousand gallons per day         Total Item 7       107a       0       thousand gallons per day         *It there is intake water from "other," specify the source.       107f       40.1       thousand gallons per day         *It there is intake water from "other," specify the source.       107f       0       thousand gallons per day         *It there is intake water from "other," specify the source.       107f       0       thousand gallons per day         *It there is intructions;       0       thousand gallons per day       0         Noncontact Cooling water       108a       0       thousand gallons per day         *It could be water       108a       0       thousand gallons per day         *It could be water       108a       0       thousand gallons per day         *It could be water       108a       0       thousand gallons per day         *It could be water       108a       0       thousand gallons per day         *It could be water       108a       9.0       thousand gallons per day         *It could be water       108a       10.0       thousand gallons per day         *It could be water       10.0       thousand gallons per da		Surface water	1	20,4 thousand salions per day	
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Total item 7       707e       40.1       thousand gallons ber day         "If there is intake water from "other," ibecify the source.       107f       107f         8. Facility Water Use Estimate average volume per day in thousand gallons ber day for the following types of water usage at the facility. (see instruction)       0       thousand gallons ber day         NonContact cooling water       0       thousand gallons ber day       -         Boller feed water       108e       0       thousand gallons ber day         Process water (including contact cooling water)       108e       -       0         Sanitary water       108e       -       100       thousand gallons ber day         Total item 8       108e       9.0       thousand gallons per day         "If there are discharges to "other," specify.       108e       10.0       thousand gallons per day         "If there is "Sanitary water use, give the number of becobe served.       108n       -       100       pecote served		Other	1. 18 1.1		•*
*If there is intake water from "other," Specify the source.       1077         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)       0         NonContact cooling water       1088         Boller feed water       1080         Process water (including contact cooling water)       0         Sanitary water       1084         Other*       1086         Total item 8       1087         *11 there are discharges to other, "specify.       1089         *11 there is "Sanitary water use, give the number of people served.       1087		Total Item 7	707e-	40.1 thousand gallons per day	
Tother," Soedify the source.       1071         B. Facility Water Use Estimate average volume per day in thousand gallons per day in thousand gallons per day in thousand gallons per day in thousand gallons per day       0         Noncontact cooling water       ToBa       0         Boller feed water       1038       0         Process water (including Contact cooling water)       0       Inousand gallons per day         Sanitary water       1034       1.0         Total item 8       1087       10.0         "If there are discharges to conter," specify.       1088       10.0         If there is 'Sanitary' water use, give the number of ocodie served.       1088       1000		* If there is intake water from	1 1 25 1		1. 1.
<ul> <li>Facility Water Use Estimate average volume per day in thousand gallons der da</li></ul>		"other," Specify the source.			
average volume per day in thousand galions per day for the following types of water usage at the facility. (see instructions)       0         NonContact cooling water       108a         Boller feed water       108b         Process water (including contact cooling water)       0         Sanitary water       108d         Other*       108c         Total item 8       108'         ****       108'         *****       108'         Other*       108'         Total item 8       108'         ******       108'         ************************************	в.	Facility Water Use Estimate	1.10		
types of water usage at the facility.       0         (see Instructions)       0         Noncontact cooling water       0         Boller feed water       0         togs       0         thousand gailons per day         Process water (including contact cooling water)       0         Sanitary water       108a         Other*       108a         Total Hem 8       108r         *1f there are discharges to 'other',' specify.       108a         If there is 'Sanitary' water use, give the number of people served.       108n		average volume per day in thousand	1		
NonContact cooling water       108a       U       thousand gailons per day         Boller feed water       108b       0       thousand gailons per day         Process water (including contact cooling water)       108c       0       thousand gailons per day         Sanitary water       108c       0       thousand gailons per day         Other*       108c       9.0       thousand gailons per day         Total item 8       108r       10.0       thousand gailons per day         "If there is 'Sanitary' water use, give the use, give the use, give the number of people served.       108n       100		types of water usage at the facility.	1.1.1		
Boller feed water       Itodshid genons ber day         Process water (Including Contact cooling water)       0       Indusand gallons ber day         Sanitary water       103d       1.0       Indusand gallons ber day         Otner*       108e       9.0       Indusand gallons ber day         Total item 8       103r       10.0       Indusand gallons per day         *If there are discharges to 'otner,' specify.       108g       Equipment water supply and washdown         If there is 'Sanitary' water use, give Ina number of geoDie served.       108n       100       people served			1		
Boller feed water       1080       Incusand gallons per day         Process water (including contact coorling water)       1080       Incusand gallons per day         Sanitary water       102d       1.0       thousand gallons per day         Otner*       1080       9.0       thousand gallons per day         Total item 8       1087       10.0       thousand gallons per day         *11 there are discharges to 'otner,' specify.       1089       Equipment water supply and washdown         If there is 'Sanitary' water use, give the number of deode served.       108n       100       peode served		Honeomet coomy wett	1 1 1 2	0	
cooling water)       108e		Boller feed water		Incusand gallons per day	
Cooling water     1032     Indusand gallons ber day       Sanitary water     1032     1.0     Indusand gallons ber day       Other*     1088     0.0     Indusand gallons ber day       Total item 8     1037     10.0     Indusand gallons per day       *If there are discharges to fother,' specify.     1089     Equipment water supply and washdown       If there is 'Sanitary' water use, give the number of beodie served.     308n     100     People served					
Sanitary water       102d       1.0       thousand gallons per day         Other*       102e       9.0       thousand gallons per day         Total item 8       102f       10.0       thousand gallons per day         *1f there are discharges to fother,* specify.       102g       Equipment water supply and washdown         If there is 'Sanitary' water use, give the number of people served.       108n       100		cooling water)		togues of pallogs per day	
Total item 8 Total item 8 10ar 10ar 10ar 10.0 thousand gallons Per day 11t there are discharges to conner,' specify. If there is 'Sanitary' water use, give the number of people served. 308 n 100 People served		Sanitary water	1024		
*If there are discharges to 'other,' specify. If there is 'Sanitary' water use, give the number of people served. 1087 100 People served		Other*	108+	0.0 Inousand gallons per day	
"If there are discharges to "other," specify. If there is "Sanitary" water use, give the number of people served. 1087 100 People served		Total Hem 8		10.0 thousand gallons Per day	
If there is "Sanitary" water use, give - the number of people served				Equipment water supply and washdown	
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# FORM APPROVED OMS No. 155-R0100

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s.	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						
	lest from the facility seconding to the categories below. Estimate average volume per day in thousand	I	Number of Discharge		Total Volume Use or Discharged.	a	
	gallons per day.		Points	f	Thousand Gal/Da	У	
	Surface Water	1091		105a2	0	- *	
	Sanitary wastewater transport	10901	3	10952	1.0	_	
	system	100 N.	3		18.4		
	Storm water transport system	109c1		10962		•	
	Somplined sanitary and Storm water transport system	10941	0	10942			
	Surface impoundment with no effluent	102+1		3 03 e2	0		
	· Underground percolation	10911		10912	0		
	Well Injection	10991		10992	0		
	Waste acceptance firm	10901 10901		103 h2	1.0	_	
	Evaporation	10311		109/2	0		
	Consumption -	10911		10312		÷	• .
	Other*	) 109k1		10982			
	Facility discnarges and volume Total Item 9.	10911		10512	40.1		6
	" If there are discharges to "other,"		Devate	cina di	ischarges to	stor <u>mdrain</u>	s V
	specify.	tosmit	DENALCO	<u>ing</u> u	<u></u>		
							+ -

- 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	[D Number	Date Filed YR/MD/DA	Date Issued YR/MO/DA	Date Denied YR/MO/OA	Expiration Date YR/MO/DA	
110	(a) <sup>2</sup> 122/2017	The sector states	- TH (c) -6970-1	and μ(α) (αγ )	Trater (e) alarra		1492 (9) That is	್ಷ ್ಷ ((n),ಂಕರ್ಕ್ ಕ	
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j. 11. Maps and Orawings Attach all required maps and drawings to the back of this application, (see instructions)

#### 12. Additional Information

12 Item Number		-14	Information	
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FORM PPROVED OMB No. 158-R0100

# STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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## SECTION IL BASIC DISCHARGE DESCRIPTION .

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Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to riunicipal sewerage systems in which the wastewater does not go through a treatment works dride 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 DE 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 drevious 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.	Oischarge Serial No. and Name		
	a. Discharge Serial No. (see instructions)	2013	_007_
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any,</li> <li>(see instructions)</li> </ul>	2015	<u>7th/Flower Station A-165-167</u> Construction
	c. Previous Discharge Serial No. If previous permit application was made for this discharge (see item 4, Section 1), provide previ- ous discharge serial number.	201c	· · ·
2.	Discharge Oberating Dates	• • •	*
•	<ul> <li>Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.</li> </ul>	202a 1- 4 -	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 eti- mate) the discharge will begin.	2025	86 <u>1</u> YR MO
	c. Discharge to End Oate 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.	202e	<u>92 7</u> YR MO
э.	Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)	203	
4,	Diseharge Location Name the political doundaries within which the doint of discharge is located.		Agency Use
	State .	204a	California 2044
	County	2045	Los Angeles 204e
	(if applicable) City or Town	204e	Los Angeles 2041
5,	Discharge Point Description Discharge is into (check one); (see instructions)		
	Stream (includes ditches, arrdyos, and other intermittent watercourses)	2052	DSTR
	Lake ·		- LKE
	Ocean		Οοςε
	MUNICIOSI Sanitary Wastewater Transport System		Юмтs
	Municidal Combined Sanitary and Storm Transport System		Пм¢s

•		007
		FOR AGENCY US
Municipal Storm Water Transport		
System		
weil (Injection)		
Other		Сотн
It 'other' is checked, specily	2055	· · · · · _ · · · ·
6. Disenarge Point - Lat/Long Give		•
the precise location of the point of discharge to the nearest second.		
Latitude	206a	<u>34 deg 2 min 30 sec</u>
Longitude	2065	118 DEG 15 MIN 00 SEC
7. Discharge Receiving Water Name	·	·
Name the waterway at the point of discharge,(see instructions)	2074	Storm Drain to Los Angeles River
······································		
		For Agency Use For Agency Use
If the olscharge is through an Out- fail that extends beyond the shore-	2075	Maror Minor Sub 2070
line or is below the mean low the water line, complete item 8.		
8. Offshore Oischarge		
a. Discharge Oistance.from Shere	2082	<u>N/A</u> reet
b. Oischarge Depth Below Water		N/A .
Surface :	2086	feet =
<ol> <li>Discharge Type and Occurrence</li> </ol>		
a. Type of Discharge Check	209a	R (con) Continuous
whether the discharge is con- tinuous or intermittent.	2032	(int) intermittent
(see instructions)	-	
<ul> <li>B. Discharge Occurrence Oays per week. Enter the average num-</li> </ul>	2095	
ber of Gays per week (during periods of discharge) this dis-		
charge occurs.		
<ul> <li>Discharge Occurrence —Months If this discharge normally</li> </ul>	2090	DJAN DES MAR DAPR
operates (either intermittently, • or continuously) on less than		DAAN DUL DAUG
a year-around basis (excluding shutdowns for routine mainte-	1 Starter	
nance), check the months dur- ing the year when the discharge		
is operating. (see instructions)		
Complete Items 10 and 11 If "Inter- Nittent" is checked in item 9.4.,		
)therwise, proceed to item 12:		
0. Intermittent Discharge Quantity		N/A
State the average volume per dis- charge occurrence in thousands of	210.0	<u>IN/A</u> tnousand ghions per discharge occurrence.
gall ons.		
11. Intermittent Oischarge Duration		
and Frequency a. Intermittent Discharge Ouratio		
Per Day State the average number of hours per day the	211a	NA hours per day
discharge is operating.		
<ul> <li>E. Intermittent Discharge</li> <li>Frequency State the average</li> </ul>	2116	discharge Occurrences per day
number of discharge Occur-		
rences per day during days when discharging.		

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OISCHARGE SERIAL NUMBER

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

2:3. Piped discharges to stormdrains

vest of the Los Angeles River.

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P

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 Booktet. For SIC Codes not listed in Table I, use raw material or production units normally used \_\_\_\_\_\_ for measuring production.(see instructions)

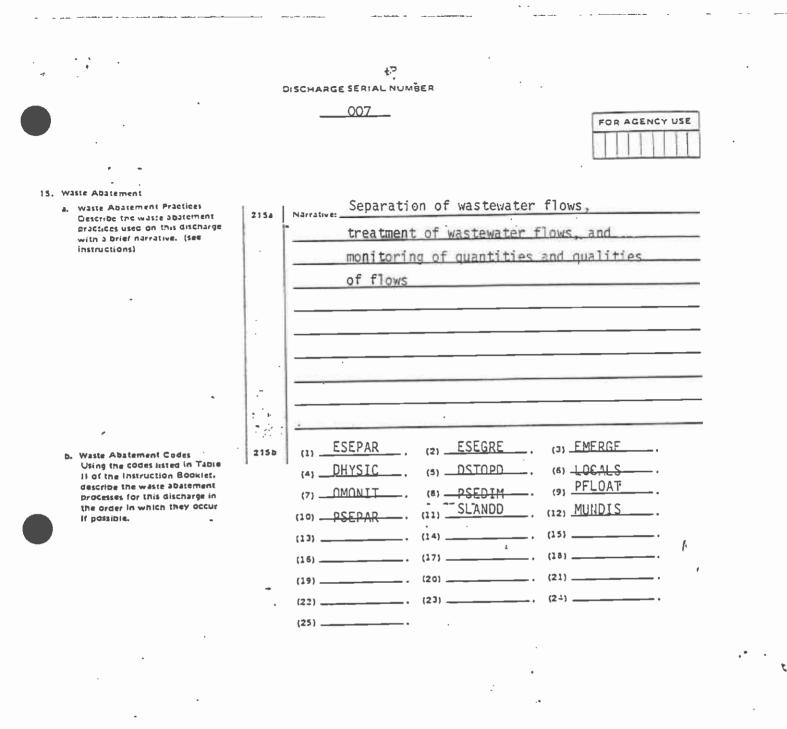
Note applicable construction activities associated with excavation and cleanup.

#### a. Raw Materials Not Applicable

	SIC Code	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)	
2144	- (1)	(2)	( <b>3</b> )	(4)	(5)	
		•				
			•		••	
	•					
				•*	*. **#	

## B. Products Not Applicable

	SIC Code	Name	Maximum Unit Amount/Day (See Table	(Serial Number)
214b	(1)	(2)	· (3) . (4)	
	4			
		•		



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DISCHARGE SERIAL NUMBER

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#### 16. Wastewater Characteristics

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Check the box boside 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
Colo: 00050		Copper 01042	
Ammona 00610		lron 01045	X
Organic nitrogen 00605		- Lead 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	x
Phosphorus 00665		Mercury 71900	
Suifate 00945	X	Molybdenum 01062	
Sulfide 00745	-	Nickel 01067	7
Sulfite 00740 - •	Į	Selenium 01147 - ·	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium 009 37	X
Cyanide 00720 _		Sodium 00929	x
Fiuoride 00951	X	Thailium 01059	
Aluminum 01105		Titanium 01152	
Аліітолу 01097		Tin 01102	-
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides" 7405 1	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	·· 🛛	Pesticides 74053	-
Cadmium		Oil and grease 00550	
Calcium 00916	X	Phenols	+ +
Cobait 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity" 74050	

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

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. . '

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  $\lambda ct$ .

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DISCHARGE SERIAL NUMBER

# 007

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#### 17. Description of Intake and Discharge

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

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

	_ Influ	ent			ЕШоспі			
Parameter and Code	Untreated Inlake Uniter (Daily Average)			Minimum Value Observed or Expected During Discharge Activity	Maxlanum Vahic Cobserved or Expected Durling Discharge Activity	Erequency of Analysis	Analyses	G Sample Type
Fiow- Gallons per day 00056	30,100	10000	40,100	0	40,100	- Monthly		·
pH Units 00400	7.0		$\mathbf{\mathbf{X}}$	6.0	8.0	monthly		
Temperature (winter) * F 74028	ND		+_2 <sup>0</sup> £	+ 2 <sup>0</sup> c	- + 2 <sup>°</sup> c	• • •		
Tempetiture (summer) * F 74027	ND		<u>+</u> 2 <sup>0</sup> c	<u>+</u> 2 <sup>0</sup> c	+ 2 <sup>0</sup> c	ŀ		
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	- ND (0)		4	-	_			
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	•		700	30000	•.		
Settleable Matter (tesidue) ml/l . : 00545	ND		-	 	- · · · · · · · · · · · · · · · · · · ·	æ		

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

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#### FORM APPROVED OMB No. 158-R0100

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17. (Cont'd.) -

	Inth	reut	Effluent							
Parameter and Code	Uniteated Inlake Water (Daily Average)	In-Plant Treated 3 Intake Water (Daily Average)	() Dally Average	Minimum Value Observed or E Expected During Discharge Activity	MaxImum Value Observed or Srpecied During Discharge Activity	Frequency of Analysis	3 Number of Analyses	😔 Sample Type		
0i1/Grease 00550	0	-	10	0	10	Monthly				
			с.			: 				
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	* L									
				<u> </u>						
·				•		İ				

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

Alternate power source for major pumping facility.

Alarm or emergency procedure for power or equipment failure

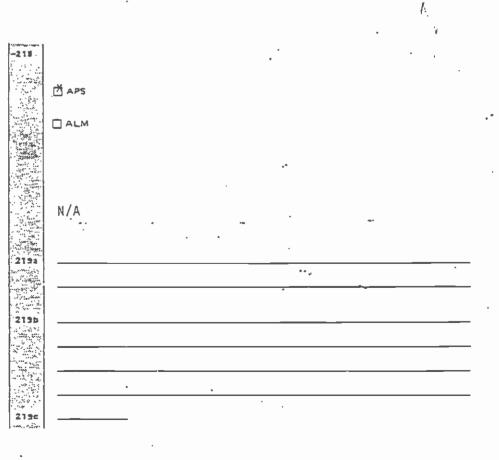
Complete Item 19 If discharge is from cooling and/or steam water generation and water treatment additives aré used.

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

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- a. Name of Material(s)
- b. Name and address of manufacturer
- Quantity (pounds added per million gaitons of water treated).



DISCHARGE SERIAL NUMBER FOR AGENCY USE 007 N/A 219d d. Chemical composition of these additives (see instructions). 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) N/A 20. Thermal Discharge Source Check 220 the appropriate item(s) indicating 1 the source of the discharge. (See Instructions) . . ÷ C BLSD Boller Blowdown BCCL **Boiler Chemical Cleaning** ÷.... Ash Pond Overflow Soller Water Treatment - Evapora-1 🗌 ЕРВО tor Blowdown OCFP Oil or Coal Fired Plants - Effluent from Air Pollution Control Orvices Condense Cooling Water COND Ство **Cooling Tower Blowdown** MEPR Manufacturing Process ~ **DDTHR** Other Sug 21. Discharge/Receiving Water Temper-N/A ature Oiffeirence Give the maximum temperature difference between the discharge ----Ŀ and receiving waters for summer-.5 and winter operating conditions. (see instructions) °F. Summer 221a OF. Winter 2215 06 22. Oischarge Temperature, Rate of PE./hour N/A 222 Change Per Hour. A. 1. 180 Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions) 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 accurrence 1% Maximum 5% 10% OF OF 0F OF 2232 a. Intake Water Temperature (Subject to natural changes) ۰., oF. OF 0p OF b. Discharge Water Temperature 2236 22 24. Water Intake Velocity 224 🤅 feet/sec (see instructions) ېلىشى 🗧 N/A 25. Retention Time Give the length of 225 minutes time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

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FORM APPROVED OMB No. 153-R0100

#### -DISCHARGE SERIAL NUMBER

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-	ttem -	Information
		See Attachment A
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FORM APPROVED OME No. 158-R0100

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# STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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# SECTION IL. 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

iter	n 10, Suemit A Bernitette				1	OR AGENCY		
1.	-	200 ·			SCHED, N	o. the same		
•	a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section 11, that are covered by this implementation schedule.	3013	0	7		. <u> </u>	·	
	b. Authority Imposing Requirements Check the abbropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by		NA	• •			. • 	• • •
	more than one authority, Check the appropriate items: (see Instructions)		•		-	•	*	
	Locally developed Plan	3015	.OC ARE		-			
	Areawide Plan							
	Basic Plan .		IAS					1
	State approved Implementa- tion schedule		ias					· v
	Federal approved water quality standards implementa- — tion plan.		was					
	Federal enforcement proced- ure or action		ENF					
	State court order		CRT					
	Federal court order		FEO		· ·			
	<ul> <li>Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the require- termentarion</li> </ul>	1.100 p 1126 p	(haracter general)					
	ment 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	301d 6-	character specific)		•		•	
	schedule applied to destruction schedule, state the stage of con- struction being described here with the appropriate general action code. Submit a separate		e Table II)			 اف الم	ч. 18 да	
	Section Lif for each stage of	- 12		_				

	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	EL.I	•	

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# FOR AGENCY USE

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Implementation Schedule and 3. Actual Completion Dates 2.1

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III-2

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

414.93	-	• •	*		
a	2.	Schedule (Yr./Mo. /Day)	, .	-	A
4. Preliminary plan complete	and the second s			4	Actual Completion (Yr./Mo./Day)
	1 302a - Poista p		30 34		
b. Final plan submission.	10 A	· · · · · · · · · · · · · · · · · · ·	and the second		
	302b.		arot		
<ul> <li>Final plan complete</li> </ul>	08/34 6 0123 90		00.00	-	//
	- 302e-1		1	•	
d. Financing complete & contract awarded			303c		///
contract awarded					
C Site acquired	1.00		3034		//_
	302E				
f. Beold action to a	1.75		303e		······/·······························
1. Begin action (e.g., construction)	3021		1. A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
S EBG action to a second	1.				//
g. End action (e.g., construction)	3029				
h. Discharge Began		/	20 3g	-	
	302h	, , <i>k</i>			
L Operational level attained	27.74 Ser. 287	· · · · · · · · · · · · · · · · · · ·	303h	_	
	<sup>2</sup> 30 21 1	_ / /			
b	Salar Street		3031		, ;

FORM AFFROVED OME NO. 119-11-10

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## 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

٦.	Lesal Name of Applicant	101	Southern California Rapid Transit District
	(see instructions)		
1.	Mailing Address of Applicant (see instructions) Number & Street	1022	425 South Main Street
	City	1025	Los Angeles
	State	102c	CA
	Zip Code	1021	90013
3.	Applicant's Authorized Agent (see instructions) Name and Title	1032	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams)
			Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1035	600 South Spring Street, Suite 1200
	City	103c	Los Angeles
	State	1034	CA
	Zip Code	703e	90014
	Telephone	1031	213 489-6941 Area Number
4,	If a previous application for a		Code
	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	lioze   Transit Facilities
Printed Name of Person Signing	Title
AS Carmilant	1021 11/14/25
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 wilfully faisifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, factitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, factitious 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
YR MO DAY	•	State
	I-1	This section contains 3 pages.

:				
	• .			
_	Facility/Activity (see instructions)		800	FOR AGENCY USE
	Give the name, ownership, and physical location of the plant or other operating facility where dis-			
	charge(s) does or will accur.	105.	7th/Flower-Wilshire/Alvarado Tunn	<u>nel - Construction-A</u> 171
	Name ·	•	Southern California Rapid Transit	District
	• -			
		н. 1.	Los Angeles	
	Ownership (Public, Private or Both Public and Private)	105 0	MPUB PRV BPP	
	Check block if Federal Facility	TOSe	0 FED	
	and give GSA Inventory Control Number	1050		
		1.1	• •	
	Location		7th/Figueroa to Wilshire/Alvarado	Streets
	Street & Number	105e - 3- 7		
	City	1051	Los Angeles	
	County	1059	California	
,		a series and the	Construction and Operation of	
	State	105 h		
<b>6.</b> .	Nature of Business State the	106a.1	Rapid Transit System	
	nature of the business conducted at the plant or operating facility.	112	· ·	· · · ·
		ad A	AGENCY USE	••
		1065		÷ • •
	· · ·		· · · · · · · · · · · · · · · · · · ·	
-	- Facility Intake Water (see instruc-		•	
7.	tions) Indicate water intake volume	1.13%		A.
	der day by sources. Estimate average volume per day in thousand			¥
	gallons per day. Municipal or private water system	107a	10.0 thousand gallons per cay	
			ico	
	Surface water	1075		
	Groundwätzf	107c	2.3 throusand gallons per day	·
	Other	1070	O thousand galions per day	, <del>-</del>
	·			• • ·
	Total Item 7	107e	·	•
	"If there is intake water from fother,' specify the source.	1071		·
	state, seeny at reast		· · · · · · · · · · · · · · · · · · ·	
8.	Facility Water Use Estimate average volume per day in thousand			••
	sations ber day for the following types of water usage at the facility.		· · ·	
	(see instructions)	3	ö	
	Noncontact cooling water	108a 1444 - 2	thousand gailons Per day	
	Boller feed water	ICED.	U thousand gallons per day	• . * #
	Process water (Including contact	Frank A	۰. ۱	
	cooling water)	1080	II Incursed califort Per Gay	
	Sanitary water	102d	thousand gallons per day	
	Other <sup>®</sup>	108.	9.0	
	- Oftiet		10.0	
	. Total Item 8	1087	thousand gallons per day	
	"If there are discnarges to "other," specify,	1089	Equipment water supply and washd	own
	If there is "Sanitary" water use, give the number of people served,	1080	_100 people served	
			· I-2	

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FORM APPROVED OME No. 155-R0100

FOR AGENCY USE				
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All Facility Disenarges and other 5. Losses: Number and Discharge (see Instructions) Volume Specify the humber 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 thousandgallons per Gay.

		0	1	0				
Surface Water	10911	0	1091Z	0				
Sanitary wastewater transport	10901	3	10502		_			
system Storm water transport system	109c1	3	109c2	26.3	_			
Completed sanitary and storm water transport system	10901	0	109 d2	0				
Surface impoundment with no	Table 1	0	109=2	0				
effluent Underground percolation		0	10712	0	_			
Well Injection	103g1	0	10992	0				
Waste acceptance firm	109h1		103h2	0	_			
Evadoration .	10311)) 16336)	0	10912		_			
Consumption -	10\$(1) 2 (10) 103k1		10912 - 10912 -	0		۰		
Other"		7		28.3				
v Total item 9.	105/1/2		1091Z /	·	*		٨	
"If there are discharges to "other," specify.	103m1	Dewater	ring di	scharges to	stormo	lrains	ð	
0. Permits, Licenses and Applications	-					Inthe from Imperio	ctions).	

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Number of

Discharge

Points

۰.

Total Volume Used

or Discharged.

Thousand Gal/Day

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

	Issuing Agency	Fór Agency Use	Type of Permit or License	10 Number	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied Y R /MO/DA	Expiration Oute YR/MO/DA
110	6-(a):55% %	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	ר מיזי <b>(כ)</b> לאיי ל	[नुम्ब की क <b>(व)</b> ] हे ह	The second and		replice (5) Parts	Sup 2 5 (B) of the
1.	City of Los Angele	STORE						<u> </u>
	County of	s - T - A				<u></u>		
z.						<u> </u>		
			•••	<u> </u>	<u> </u>	<u> </u>		· · · · · · · · · · · · · · · · · · ·
з.		Section 201 Toport States			•			
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11. Maps and Orawings ġ. Attach all required maps and drawings to the back of this application. (see instructions)

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÷ 12. Additional Information Information (jitž) Item Number -

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FORM PPROVED OMB No. 153-R0100

# STANDARD FORM C - MANUFACTURING AND COMMERCIAL

C. \* .

FOR	AG	ENC	Y U	SE

# 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 niunicipal severage 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 into this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE RECURED 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		
	<ul> <li>Discharge Serial No. (see instructions)</li> </ul>	201a	008
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any,</li> <li>(see instructions)</li> </ul>	2015	<u>7th/Flower-Wilshire/Alvarado Tunnel</u>
	c. Previous Discharge Serial No. If previous permit apolication was made for this discharge (see Item 4. Section I), provide previ- ous discharge serial number.	201c	
z.	Discharge Operating Dates		*
	a. Discharge Began Date if the discharge described below is in doeration, 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 essi- mate) the discharge will begin.	2025	86 <u>1</u>
	c. Discharge to End Date II dis- charge is scheduled to be discon- tinued within the next 5 years, give the date (within best esti- mate) the discharge will end.	202e	<u>92 7</u> YR MO
з.	Engineering Rebort 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.		Agency Use
	* State _	2044	California 2044
	County	2046	Los Angeles 204e
	(If applicable) City or Town	204c	Los Angeles 204/
5.	Discharge Point Description Olscharge is into (check one); (see instructions)		
	Stream (Includes ditches, arroyos, and other intermittent watercourses)	205a	<u>Osta</u>
	Lаке - "		
	Octan		Ποςε
	MUNICIDal Sanitary Wastewater Transport System		۵MTs
	Municidal Combined Sanitary and Storm Transport System		

	000	-	*
•	008	_	
			FOR AGENCY
Aunicipal Storm Water Transport			
System	<b>∑</b> STS		
Well (Injection)	U WEL		
 Other	Сотн		
If 'ather' is checked, specify	2050	-	•
		* *	
<ol> <li>Discharge Point — Lal/Long Give</li> <li>the precise location of the point</li> </ol>	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
of discharge to the nearest second.		2 20	
Latitude	2063 <u>34</u> DEG	_2_MIN _30_SEC	
Longitude	2066 118_DEG	15 MIN 00 SEC	
7. Discharge Receiving Water Name			
Name the waterway at the point of discharge.(see instructions)	storm Dra	in to Los Angeles Rive	er
	and Ballo		23
	For Agency U	ise For Agency	· Use
If the discharge is through an out- fail that extends beyond the shore-	207b Major Minor	202.	
line or is below the mean tow	52 . 24	2076	
2. Offshore Discharge	N/A		
a. Discharge Distance.from Shore		tet -	÷ ,
<ul> <li>Discharge Depth Below Water</li> <li>Surface</li> </ul>		eet	
9. Discharge Type and Occurrence			1
a. Type of Discharge Check whether the discharge is con-	209a 🖳 (con) Continu	ous	T
tinuous or intermittent. (see instructions)	· D (int) Intermitt	ent	.*
b. Discharge Occurrence Days Per			
week Enter the average num- ber of days per week (during	2096 days per week		
Deriods of discharge) this dis-			
charge occurs.			
<ul> <li>Discharge Occurrence — Months   If this disCharge normally</li> </ul>	2050 DJAN OFER		
operates (eitner intermittently, . - or continuously) on less than			
a year-around basis (excluding shutdowns for routing mainte-			
hancel, check the months dur- ing the year when the discharge			
is operating. (See instructions)	201	, 14	۰,
Complete Items 10 and 11 if "inter-			
hittent" is Checked in Item 9.a., Stnerwise, proceed to item 12:	Two are		٠
n Internitient Biotheory Constitut	N/A	11	
0. Intermittent Discharge Quantity State the average volume per dis-	219,21 <u></u>	thousand gallons per discharge occur	rrence.
Charge OCCurrence in thousands of gallons.	n - Constant Anna - Constant Anna - Constant Anna - Constant	· ·	
11. Intermittent Discharge Duration and Frequency			
a. Intermittent Discharge Duration Per Day State the average	211a N/Anours per d		
number of hours per day the	· ·	- 7	
discharge is Oberating,	11		
<ul> <li>b. Intermittent Discharge</li> <li>Frequency State the average</li> </ul>	2116discharge po	CCurrenCes per day	
number of discharge occur- rences per day during days			
when discharging.	. •		
	1		

DISCHARGE SERIAL NUMBER

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FOR AGENCY USE							
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 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 Olseharge For each SIC Coce 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 Sookiet. 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	Appl	icable
------------------	-----	------	--------

	SIC Code		Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)	
214a	· (1)		(2)	· (3)·····	(4)	1 (5)	
	•						
					• •	<i>.</i> .	
		•			••.		
		,			*		

# b. Products Not Applicable

	SIC Code		Name	·	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)	
Z145	(1)		(2)		(3)	(4)	<u> </u>	
						*		_
			•				-	
						-		

矽 DISCHARGE SERIAL NUMBER 008 FOR AGENCY USE 15. Walte Abatement Separation of wastewager flows, Waste Abatement Practices а. Narratives. 215+ Describe the waste abatement practices used on this discharge treatment of wastewater flows, and with a brief narrative. (see instructions monitoring of quantities and qualities of flows . : . .  $\mathbb{Z}_{\mathcal{H}}$ (2) ESEGRE **ESEPAR** (3) EMERGE 2155 (1) \_ b. Waste Abatement Codes Using the codes listed in Table (5) DSTOPD (6) LOCALS DHYSIC (4) If of the instruction Bookist. (9) PFLOAT describe the waste abatement OMONIT (8) PSEDIM (7) \_ processes for this discharge in (11) SLANDD the order in which they occur (12) MUNDIS PSEPAR (10) \_\_\_\_ If possible. . (15) . {14} (13) (18) (17) \_\_\_\_ (16) \_ (21) (20) \_\_\_\_\_ (19) . (24) \_ (23) \_\_\_\_ (22) \_ (25) \_

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DISCHARGE SERIAL NUMBER

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16. Vastewater 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	Prescul
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	X
Organic nitrogen 00605		- Lend 01051	
Nitrate 00620	X	Magnesium 00927	
Nitrite 00615		Manganese 01055	x
Phosphorus 00665		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745	μ	Nickel 01067	7
Sulfite 00740 -		Selenium 01147	
Bromide 71870		Süver 01077	
Chloride 00940	. X	Potassium 00937	X
Cyanida 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	1
Barium 01007		Chlorinated organic compounds* 74052	Í
Boron 01022	··   x	Pesticides" 74053	-
Cadmium		Oil and grease 00550	
Calcium 00916	X	Phenols	a
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity" 74050	

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

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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.

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DISCHARGE SERIAL NUMBER

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### 17. Description of Intake and Discharge

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

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

	_ Influ	ent			Effluent			
Parameter and Code	Untreated Intake Buater (Daily Average)	fn-flant Treated D Intake Water (1)aily Average)	ω Daily Avcrage	Minimun Value Observed or Expected During Discharge Activity	Maxlinum Value Observed or Expected During Discharge Activity	Frequency of Analysis	Analyses	G Sample Type
Fiow- Guilons per day 00056	16,300	10000	28,300	0	28,300	Monthly		
pH Units 00400	7.0 .		$\left \right>$	6.0	8.0	monthly		
Temperature (winter) * F 74023	ND		+. 2°£	<u>+</u> 2 <sup>0</sup> c	+ 2 <sup>0</sup> c	• .		
Temperature (summer) * F 74027	ND		<u>≒</u> 2 <sup>0</sup> c	+ 2°c	+ 2 <sup>0</sup> c	1		
Biochemical Oxygan Demand (BOD 5-day) mg/l 00310	. ND . (C)		-	_	-			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		_	_				
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			
Specific Conductance micromhos/em at 2.5° C 00095	700- 30000	. 		700	30000			
Settleable Matter (residue) ml/1 00\$4\$	ND		_	-,		е "		

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

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DISCHARGE SERIAL NUMBER 008

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FOR AGENCY USE

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	Inili	lent	•		Effluent			
Parameter and Code	Untreated Intake Water (1)aily Average)	In-Flant Treated 3 Intake (Vater (Daily Average)	G. Daily Average	Milnimum Value Observed or E Expected During Discharge Activity	MaxImum Value Observed or Expected During Discharge Activity	9. Frequency of Analysis	A number of Analyses	Sample Type
0il/Grease 00550	0	_	10	0	10	Monthly		
			·			:		
	•					· ·	<b>I</b>	
	· · ·		•	<u> </u>			1	
•						<u> </u>	l	<u> </u>
					· · ·			
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18. Plant Controls Check if the foilowing 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 conoltioner, 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).

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D'APS					
5.					
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			-*		
"]					
N/A					
		-+	•		
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		t 1	N/A	
	d. Chemical composition of these applitues (see instructions).	2194		· · ·
•				
(e.g. plan man	Diete items 20-25 if there is a thermal d , associated with a steam and/or power it, steel mill, Petroleum refinery, or any utacturing Process) and the total discha million gallons per day or more. (see in:	generatio Other rge flow i	• • •	
	-	112.81	N/A	
20.	Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)	220	N/ A	
	Boller Slowdown	1 2 4	<b>6L80</b>	
	Soller Chemical Cleaning	· · ·		
	Ash Pond Overflow		APOF	
	Boiler Water Treatment — Evapora- tor Blowdown		ПЕРВО .	
	Oll or Coal Fired Plants — Effluent from Air Pollution Control Oevices		OCFP	
	Condense Cooling Water			
	Cooling Tower Blowdown			
	Manufacturing Process			
	Other			
21.	Discharge/Receiving Water Temper- ature Différence		N/A	
	Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions.			. el «
	(see instructions) Summer	2213	<sup>o</sup> ₹.	ł
	Winter .	2215	°F.	
22.	Discharge Temperature, Rate of Change Per Hour.	222		
	Give the maximum possible rate of temperature change per hour of discharge under operating con- ditions. (see instructions)			
			N / A	
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	
	a. Intake Water Temperature	2238	0 <sup>2</sup> 0 <sup>2</sup> 0 <sup>2</sup> 0 <sup>2</sup>	
	(Subject to natural changes) b. Discharge Water Temperature	2236	0F 0F 0F	
			2	
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	

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• h •		FORM A PPROVED OMB No. 153-R0100
		DISCHARGE SERIAL NUMBER
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 26.	Additional Informa	ation .
225	tem -	Information
,		See Attachment A
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EPA Form 7550-23 (7-73)-

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FORM APPROVED OMB No. 158-R0100

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### 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 OIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (item 1a.) ANO/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

•••		· Genturius e J		1 1 1 1 1 1 1 1	Same and the second second second second second second second second second second second second second second	1
1.	Improvements	300		SCHED, NO.		
	a. Discharge Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.	<b>301a</b>	<u>8</u>			
	b. Authority imposing Require- ments Check the appropriate item indicating the authority for implementation schedule. If the identical implementation schedule has been ordered by more than one authority, check	NA	•••	· ·	. · .	•
	the appropriate items. (see Instructions)				4	
	Locally developed plan	Seis DLOC				
	Areawide Plan	DARE				
	Basic Plan	BAS				1
	State approved implementa- tion schedule	□sqs				- ' *
	Federal approved water ouality standards implementa ~ tion plan.	□wqs				• •
	Federal enforcement proced- ure or action				•	
	State court order	CRT				
	Federal court order			· · ·		
	<ul> <li>Facility Requirement. Specify the 3-character code of those listed below that best describes in general terms the require-</li> </ul>	3-charact (general			•	
	ment of the implementation schedule and the applicable six- character abatement code(s)	.301c				
	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 con-	301d 6-charac (specific) (see Table	c)	•	•	
	struction being described here with the appropriate general action code. Submit a separate Section ill for each stage of				ing ant at an a	
	construction planned.					

	New Facility		•		NEW	
	Modification (no increase in Capac	ity or trea	tment)		MOD	
	Increase in Capacity				INC	
	Increase in Treatment Level			•	INT	
	Both Increase in Treatment Level	and Capac	Ity		ICT	
	Process Change	•			PRO	
• .	Elimination of Olscharge	1m ·		•	ELI	

OR	AG	(3)	10	Yt	JSE
*	16.5	1	~	幸	1
	OR a	OR AG	OR AGEN	OR AGENC	OR AGENCY

Implementation Schedule and 3. Actual Completion Dates 2.

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

008

Implementation Steps --

2. Schedule (Yr./Mo. /Day) . . . . 3. Actual Completion (Yr./Mo./Day) a. Pretiminary plan complete 3024 . 24 3034 finition. b. Final plan submission. يسم ي JO2b \* • • 3035 1000 C.S. Final plan complete JOZO 303c d. Financing complete & contract awarded ومحتور 3020 3034 e. Site acquired ₩¢ e 302e 303. f. Begin action (e.g., Construction) 3021 2031 g. End action (e.g., construction) 30 3g 3029 1 ih. Discharge Began . JOZN . • 303h 0.00 I. Operational level attained . 30 21 x 30 31 Not well Buch

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FORM APPROVED OML No. 118-Ruisi

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### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

### SECTION 1. APPLICANT AND FACILITY DESCRIPTION

Uniess 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

٦.	Legal Name of Applicant	101	Southern California Rapid Transit District
	(see instructions)		
z.	Mailing Address of Applicant (see instructions) Number & Street	1022	425 South Main Street
	City	102p	Los Angeles
	State	102:	CA
	ZID Code	1020	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	1035	600 South Spring Street, Suite 1200
	City	103c	Los Angeles
	State	1034	CÀ
	Zip Code	103e	90014
	TeleDache	1031	213 489-6941
4,	Previous Application If a previous application for a		Area Number - Code
	National or Federal discharge per- mit has been made, give the date of application. Use numeric oesignation 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	[1028] Transit Facilities
Printed Name of Person Signing	Title
DE CARLICE-1	1021 11/14/81
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 wilfully faisifies, 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	• •	
		ين سيوس در د. م	*	OFFICE:EPA Region Number
•	YR MO DAY			State
		1-1		This section contains as

•		
Faility/Activity (see Instructions) Give the name, ownershid, and physical location of the Diant or other oberating facility where dis- charge(s) does or will occur.		FOR AGENCY USE
Name	105a	Wilshire/Alvarado Station Construction A175-187
•		_Southern California Rapid Transit District
		Los Angeles
		<u></u>
Ownership (Public, Private or Both Public and Private)	1058	MPUS DPRV DSPP
Check block if Federal Facility and give GSA Inventory Control Number	105c	
Location Street & Number	103e	7th/Bonnie Brae to Wilshire/Alvarado
	7.5 1	Los Angeles
City	10511	California
County	1059	
State	1057	Construction and Operation of '
Nature of Business State the	1064	Rapid Transit System
nature of the business conducted at the plant or operating facility.		
	1060	AGENCY USE
		and the second
• • • •		
Facility Intake Water (see Instruc- tions) Indicate water Intake volume Der day by sources. Estimate average volume per day in thousand gallons per day.		e e e e e e e e e e e e e e e e e e e
Municipal or Private water system	1073	10.0 thousand sailons per day
Surface water	1075	25.0 thousand gallons per day
Groundwater	107e	8.0 thousand gallons per day
Other	107d	() thousand gallons per day
Totai Item 7	107e-	43.0 thousand gallons per day
"If there is intake water from "other," specify the source.	1071	
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)	1083	
Bolter feed water	-10a⊅	O thousand gallons per day
Process water (Including contact cooling water)	105c	() thousand gallons per day
Sanitary water	103d	thousand gallons per day
Other	108+	9.0 thousand gallons per day
. Total Item 8	1081	10.0 mousend gallons per day
*1f there are discharges to 'other,'.specify.	108g	Equipment water supply and washdown
It there is "Sanitary" water use, give the number of people served.	108W	-100 people served

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### FORM APPROVED OMB No. 155-R0100

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5. 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 t gallons per day.

Well Injection

the categories below. Estimate	Nur	nber of		Total Volume 1	Used		
average volume per day in thousand	Dis	charge		or Discharger	σ.		
galions per day.	P	oints		Thousand Gal/	'Day		
177	10997	0	10932	0		•	
Surface Water	····		10342				
1		3	11221	1.0			
Sanitary wastewater transport	10301		10952				
system	3.1 97						
	27 - L	3		33.0			
Storm water transport system	10941		103-2				
	-1. A.		The wire		•		
Complined sanitary and scorm	147 I. (	_	1.0	•			
	10941	0 1	10342	0			
			i and				
Surface Impoundment with no			122.2	0	•		
	103+1	0	10942	0			
			4				
Underground percolation	10911:	0	10912	0			
	16-1.X						
	10991	0	10392	0			
·····							
	(1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1	141.04	1.0			
Waste acceptance firm	10551		10912				
	한 명령	0	0.0040	0			
Evaporation .	105112		10912		<u> </u>		
}	3-13-12 1	0	1. N. 1. 14	0		,	
Consumption .	; 11eor	<u> </u>	10312			7	
	- 1.557 B	-				· ·	
Other*	20921	3	110982	8.0			
* *	1993 (March 1997)		Sec. Sec.				
Facility discharges and volume				40.0			
Total Item S.	10911-1	LO	10312	43.0			
soral stem as	1. 1. 1.		income a dist				
and a second second second second second second second second second second second second second second second							
*If there are discharges to 'other,'	lasmi De	ewater	ing di	scharges t	to storma	irains	
Jodenys							

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	Far Agency Use	Type of Permit or License		Oate Filed YR/MO/DA	Date Issued YR/M0/DA	Date Denied YR/MO/DA	Expiration Date YR/MC/DA
110	(a) (m) (m)	िल्हा ( <b>b)</b> हैं? में रह	- 75 <b>(c)</b> (#40-5	98-3 4 <b>(4)</b> (5-67)	I = Pr (2) Maria	er oger (t) in daar	Tangalor (9) Tana A	・ようり(h)の好い。
1.	Los Andele	STATES T		<u> </u>	_		_	<u> </u>
	E8s"Angele	s				<u> </u>	-	
<b>z.</b>								
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11. Maps and Drawings Attach all required maps and drawings to the back of this application (see instructions)

#### 12. Additional Information

(112) (112)	Item Number	Information	
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FORM APPROVED OMB No. 155-R0100

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

## FOR AGENCY USE

SECTION IL. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to nunicidal 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.

- T. Discharge Serial No. and Name
- 009 a. Discharge Serial No. 2014 (see instructions) Wilshire/Alvarado Station Al75-187 b. Discharge Name 2016 Give name of discharge, if any. Construction (see instructions) c. Previous Discharge Serial No. . . If previous permit application was made for this discharge (see 201c Item 4. Section I), provide previous discharge serial number. 2. Discharge Operating Dates ۰. a. Discharge Began Date If the - discharge described below is in operation, give the date (within 2023 best estimate) the discharge 1. 1. YR MO began. ۰. b. Discharge to Begin Date. If the discharge has never occurred but is planned for some future date, 86 2025 give the date (within best esti-MO mate) the discharge will begin. ۰. c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, 202c give the date (within best esti-MO mate) the discharge will end, 2.2 3. Engineering Report Available Check if an engineering report is available to reviewing agency upon . request. (see instructions) 203 Discharge Location Name the political boundaries within which 21 the point of discharge is located. Agency Use <u>California</u> State 2044 204d •• , <u>Los Angeles</u> County 204b .: 204e 1 <u>Los Angeles</u> (If applicable) City or Town 204e 204f V. - 2 Discharge Point Description 1 Discharge is into (check one); (see instructions) Stream (includes ditches, arroyos, and other intermittent watercourses) 2051 OSTR. Цаке LKE Ocean DOCE Municipal Sanitary Wastewater Transport System Ммтs Municipal Combined Sanitary and

Storm Transport System

**MCS** 

	DISCHARGE SERIAL NUMBER
Municipal Storm Water Transport System	TATE FOR AGENCY USE
Wett (Injection)	
 Otaer	Сотн
if 'other' is checked, specify	2056
<ol> <li>Discharge Point — Lat/Long Give the Precise location of the point of discharge to the nearest second.</li> </ol>	
Latitude	2061 <u>34</u> DEG <u>2 MIN 30 SEC</u>
Longitude	2060 <u>118 DEG 15 MIN 00 SEC</u>
<ol> <li>Discharge Receiving Water Name Name the waterway at the point of discharge.(see instructions)</li> </ol>	207a Storm Drain to Ballona Creek
If the discharge is through an out- fail that extends beyond the shore- line or is below the mean low : water line, complete Item 8.	207b For Agency Use For Agency Use 303e
8. Offshore Discharge	
2. Discharge Distance.from Shore	2083 <u>N/A</u> reet
b. Discharge Depth Below Water Surface	20sb N/A ret
5. Discharge Type and Occurrence	
a. Type of Discharge Check	A A
whether the discharge is con- tinuous or intermittent. (see instructions)	209a 🛛 (con) Continuous
b. Discharge Occurrence Days per Week Enter the average num- ber of days per week (during periods of discharge) this dis- charge occurs.	2090 Zdays per week
an analysis of the second seco	2090 DIAN DEEB DMAR DAPR DMAY DJUN DJUL DAUG DSEP DOCT DNOV DDEC
Iomolete items 10 and 11 If "inter- hittent" is checked in Item 9.a., Diherwise, proceed to Item 12:	
0, Intermittent Discharge Quantity State the average volume per dim charge occurrence in thousands of gallons.	N/Athousand gallons per discharge occurrence.
11. Intermittent Discharge Duration and Frequency	
	2113 <u>N/Anours per day</u>
discharge is operating,	

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DISCHARGE SERIAL NUMBER

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

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

P

Activities include dewatering

of groundwater, collection/treatment

of excavation seepage, stormwater

inflow, washdown, and equipment drainage

14. Activity Causing Olscharge For each SIC Coce which describes the activity causing this discharge, suboly the type and maximum amount of either the raw material cdnsumed (Item 14a) or the product Produced (Item 14b) in the units specified in Table 1 of the Instruction Socklet. For SIC Codes not listed in Table 1, 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 No	ot A	ppl	icable
---------------------	------	-----	--------

214e	SIC Code		Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)	•
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	· (1)		(2)	. (3)	(4)	(5)	
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### b. Products Not Applicable

	SIC Code	Name	Maximum Unit Amount/Day (See Table I)	Shared Oischarges (Serlai Number)
2140	(1)	(2)	(3) (4)	1
			·	
		_   `		
		1		

	a - - and a construction of a
	DISCHARGE SERIAL NUMBER
	- 009
15. Waste Abatement a. Waste Abatement Practices Describe the waste abatement Bractices used on this disCharge with a brief narrative. (see instructions)	<pre>215a Separation of wastewater flows,</pre>
b. Waste Abatement Codes Using the codes listed in Table It 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) MONIT       (8) PSEDIM       (9) PFLOAF         (10) PSEPAR       (11) SLANDD       (12) MUNDIS         (13)       (14)       (15)         (16)       (17)       (18)         (19)       (20)       (21)         (22)       (23)       (24)

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### DISCHARGE SERIAL NUMBER

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#### FORM APPROVED OMB No. 158-R0100

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#### 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	l'rescut	Parameter 216	Present
Color 00080		Copper 01042	
Ammoau 00610		lron 01045	X
Organic nitrogen 00605		- Lead 01051	
Nitrate 00620	X	Mognesium 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 009 37	X
Cyanide 00720 _		Sodium 00929	X
Fiuoride 00951	X	Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides=	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	X	Pesticides" 74053	
Cadmium T' 01027 .		Oil and grease 00550	
Calcium 00916	X	Phenois	
Cobalt 01037		Surfactants 38260	•.••
Chromium . 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

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

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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

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DISCHARGE SERIAL NUMBER

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#### 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 (or (see instructions) in addition, enter the parameter name and code and all required values (or any of the following parameters if they were checked in item 16; ammonia, cyanide, aluminum, arsenic, beryllium, caomium, chromium, cooper, lead, mercury, nicket, setenium, zinc, phenois, oil and grease,

		испt						
r,			<u> </u>		Effluent			
Parameter and Code	Untreated Intake Water (Daily Average)	Di-flant Treated Dintake Water (1)aily Average)	(C) Daily Average	Alininum Valme Observed or Expected During Discharge	Maximum Value Maximum Value © Observed or Expected During Discharge Activity	<ul> <li>Frequency of</li> <li>Analysis</li> </ul>	<ul> <li>Aunitor of Analyses</li> </ul>	G Sample Type
Fiow <sup>**</sup> Gallons per day 00056	33400	10000	10000	0	43400	-		
pH Units 00400	7.0			6.0	8.0	Monthly monthly		
Temperature (winter) * F 74028	ND		+ <sub>2</sub> 2% c	<u>+</u> 2 <sup>0</sup> c	+ 2 <sup>°</sup> c	•		
Temperature (summer) *F 74027	. ND		<u>+</u> 2 <sup>0</sup> c	<u>+</u> 2 <sup>0</sup> c	+ 2 <sup>°</sup> c	h	•	 [
Biochemical Oxygen Demand (BOD 5-day) mg/i 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			700	30000			_
Settleable Matter (residue) ml/1 00545	ND		-	-	······································			

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

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DISCHARGE SERIAL NUMBER

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17. (ContH.) ......

		Inil	uent	Effluent							
	Parameter and Code	Unireated Intake Water (1)ally Average)	In-Plant Treated D Intake Water (Dally Average)	() Dally Average	Minimum Value Observed or E Expected During Discharge Activity	MaxAmum Value G. Observed or Expected During Disclarge Activity	G Frequency of Analysis	S Number of Analyses	Sample Type		
	0i1/Grease 00550	0	-	10	0	10	Monthly				
	·						- :				
		· .									
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	<u> </u>	•		÷	-				1		
	· · · · · ·			^							

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

> Alternate power source for major pumping facility.

Alarm of 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: ......

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Sec. 1. 1.

a. Name of Material(s)

b. Name and address of manufacturer

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

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NZA					
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			DISCHAR	GE SERÍA	LNUMBER	L			
				009				FOR AGE	NCY U
					_				TIT
									111
				N/A					
,	<ul> <li>d. Chemical composition of these adoltives (see instructions).</li> </ul>	2150		1/1					
•									
(«. pia ma	molete items 20-25 if there is a thermal g., associated with a steam and/or powe int, steel mil, petroleum refinery, or an invlacturing process) and the total disct million gallons per day or more. (see i	r generati y Other iarge (10w	on is	-		_			
20.	. Thermat Discharge Source Check the appropriate Item(s) indicating the source of the discharge. (see	220	N/A						
	Instructions)	1.11				•			
	Boller Blowdown	21 - E							
	Boiler Chemical Cleaning								
	Ash Pond Overflow		APOF						
	Boller Water Treatment — Evapora- tor Blowdown		C 6963						
	Oll or Coal Fired Plants — Effluent from Air Pollution Control Devices		OCFP						
	Condense Cooling Water		COND						
	Cooling Tower Blowdown								
	Manufacturing Process								
	Other -		OTHR				-		
. 21.	Discharge/Receiving Water Tember- ature Difference		N/A		-				
	Give the maximum temperature difference between the discharge and receiving waters for summer							1	
	and winter operating conditions. (see instructions)								
	ज चातालबा 	221a	<sup>o</sup> f.					•	
	Winter	2216	°F.						
zz.	Discharge TemPerature, Rate of Change Per Hour	222	9-		A.				
	Give the maximum possible rate of		F./	Nour N/1	4				
	temperature change per hour of discharge under operating con- ditions. (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			
	<ol> <li>Intake Water Temperature (Subject to natural changes)</li> </ol>	223a	0 <sub>F</sub>	• <del>F</del>	°F	ºF			
	b. Discharge Water Temperature	2236	0 <sub>F</sub>	oF	°F	• 0 <sup>°</sup>	4. A.B.		
	Water Intake Velocity (see instructions)	2z4	feet/	- N	I/A				
1	Retention Time Give the length of lime, in minutes, from start of water temperature rise to discharge	225	minu						

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		DISCHARGE SERIAL NUMBER	
		009	FOR AGENCY USE
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	Additional Inform	na tia n	
226	Item		
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-		See Attachment A	
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EPA Form 7550-23 (7-73)

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### 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 DPERATION UNITS (item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

(114)		L. COMMONWER TO			FOR AGENCY USE	
1.	improvements	300			SCHED. NO.	and the set of the
	a. Discharge Serial Number Affected List the discharge Serial numbers, assigned in Section II, that are covered by this implementation schedule.	301a <u>0</u>		9	<u>, , (See</u>	
	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	NA		. ·		
	the appropriate items. (see instructions)					• •
	Locally developed Plan	3015 DLOC			• • • ·	
	Areawide Plan	DARE				
	Basic Plan	BAS				ħ.
	State approved implementa- tion schedule					· · · · ·
	Federal approved water quality standards implementa- tion plan.	li wqs				
	Federal enforcement proced- ure or action				•	
	State court order	Nation □ CRT				
	Federal court order					
	C. Facility Requirement. Specity the 3-character code of those listed below that best describes in general terms the require-	3-character (general)				
	ment of the implementation schedule and the applicable six- character abatement code(s)	3016				
	from Table II of the Instruction booklet. If more than one schedule applies to the facility because of a stafed construction	301d Genaracter (specific) (see Table 11)	•		•	-
	schedule, state the stage of Con- struction being described here with the appropriate general action code. Submit a separate		_		ريند مان معن مان م	۰ <b>۵</b>
	Section III for each stage of construction planned.	<b>NASI</b>				

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

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Implementation Schedule and 3. Actual Completion Dates

	tual Completion Dates		
Provide dates imposed by schedule and indicate dates as accurately as possible. Implementation Second	any actual datas of completion for (see instructions)	Implementation store in	
Implementation Steps			w.
·	2. Schedule (Yr./Mo./D		
a. Preliminary plan complete	3024	ay) 3. Actual Completi	on (Yr./Mo./Dava
b. Finat plan submission		19-30 3a	· ····ay
C. Final plan complete		J010	- -
d. Financing complete & contract awards		303e	
a character of the second second second second second second second second second second second second second s	d 30zd/	19303a	
f. Begin action (e.g., construction)	1 (S. Y.)	fit 30 Jac 1	
9. End action (e.g., construction)	3021×		
h. Discharge Began	10 mm	30.363	
L Operational level attained	302h		
		3031	

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### 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	302a	425 South Main Street
	City	1025	Los Angeles
	State	1020	<u>CA</u>
	Zip Code	1020	90013
2.	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	1035	600 South Spring Street Suite 1200
	City	103c	Los Angeles
	State	103d	CÀ
	Zip Code	103e	90014
	Telephone	1031	213 <u>489-6941</u> Arsa Number
4.	Previous Application If a previous application for a National or Federal discnarge 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	102=	Director of Engineering Transit Facilities	
	Printed Name of Person Signing		Title	
	DE Chuiden	1021	· ulig/sig	
_	Signature of Applicant or Authorized, Agent	a er Sterningsderaus.	Date Application Signed	

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

Pecsived .

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully faisifies, 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
YA MO DAY	· .			State
		I-1		This section contains 3 pages.

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All Facility Discharges and other Losies: Number and Discharge (see 3. Instructions) Volume Specily Ine number of discharge points and the volume of water discharged or 103 101 39 gai

volume of weite clifty seconding to lost from the facility seconding to the categories below. Estimate average volume per day in thousand gailons per day.	Number of Discharge Points		or Discharged. Thousand Gal/Day O			
Surface Water	10921O	10932	0.	_		
Sanllary wästewäter tränsport system		103c2	. 66.9	•		
Storm water transport system	10901	a transfer		. '		
Complined sanitary and storm water transport system	10901	_ 105 d2				
Surface Impoundment with no effluent	109e1	- 1036Z				•
Underground percolation	10911: 0	10912		· · .		
well injection	10301	105hZ	0	-		
Waste acceptance firm		105IZ		-		
Evaporation	10911 ; O	10912		_		
Consumption .	103K1	109K2		-		
Other*	10911	10512		-		ħ.
Total Item 9.	1	turner al				ر
"If there are discharges to "other," specify.	109ml					
10. Permits, Licenses and Applications List all existing, pending or denied p	permits, licenses and a	polications re	Date	om this facilli Date Issued	Date Denied	Expiration Date

	Citt an existing :			1	Date	issued	Denied	Date	
1	Issuing Agency	For Agency Use	Type of <sup>p</sup> ermit or License	l	Filed Y9/M0/DA	YR/MO/OA	YRMO/OA	YR/MO/DA	
				असे के दिने के से <sup>15</sup>	المراجع (e) المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع ال	(1) marking	Sec. 181 Sec.	THE STORE STREET	
110	1. 1. (a) 1. (b) 1.	(Ser. 8-1(b) 12 16 45		dater dent coar	1		<u> </u>	· -	
	City of					<u> </u>		1	
1.	los Angeles	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		-	—··			
	County of	「このこの情報の理解的な	<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>	1	Ī		1
z.		公子 经过行利		<u> </u>	<u> </u>	<u> </u>	<u> </u>		1
			·		<u> </u>	<u> </u>	<u> </u>		
3.		مىلىنى سەرىلەر ئىلىق مىلىدىنى بىرىنى ئىلىمى مەرى بىرى بىرى بىرى بىرى			<u> </u>	1	<u> </u>		
			:		<u> </u>				

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

utional Information

12. Additional Information	Information
112 Item Number	· · ·
. 7/8/9	See Attachment A

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FORM APPROVED OMB No. 158-R0100

FOR AGENCY USE

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See. 1 .

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FORM SPPROVED OME No. 158-R0100

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

FOR AGENCY USE							
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### SECTION IL BASIC DISCHARGE DESCRIPTION

Complete Inis 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 Brevious months of operation. If this is a proposed discharge, values should reflect dest engineering estimates.

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

3.	Discharge Serial No. and Name	· · ·	020	
	a. Discharge Serial No. (see instructions)	2014		
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any.</li> <li>(see instructions)</li> </ul>	2015	South Yard Storm Drain/, A-112, 4th and Operations	<u>Santa Fe St.</u>
	c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4. Section 1), provide previ- ous discharge serial number.	2016		
z.	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		t.
	Discharge to Begin Data If the discharge has never occurred but is blanned for some future cate, give the date (within best etti- mate) the discharge will begin.	2020	<u>90 7</u> YR MO	2
	c. Discharfe 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.	202e	Continuing YR MO	,- ₹
3.	Engineering Report Available Cneck if an engineering report is available to reviewing agency upon reduest. (See instructions)	203	×	
4	political boundaries within which the point of discharge is located.	2044	California	Agency Use
	State .	2044	Los Angeles	2046
	County	204b		2041
5	<ul> <li>(If applicable) City or Town</li> <li>Discharge Point Description</li> <li>Discharge is into (check one);</li> <li>(see instructions)</li> </ul>			
	Stream (includes ditches, arroyos, and other intermittent watercourses)	205a	□STR .	
			<b>DLKE</b>	
	 Ocean		DOCE	
	Municipal Sanitary Wastewater Transport System		[]MTS	
	Municipal Completed Sanitary and Storm Transport System		⊡mcs · · ·	
	<u> </u>		II.1	

2	• .	OISCH	ARGESER	AL NUMBER		÷		
•			020	*		•		
	-						FOR A	GENCY USE
		)					TTT	TITT
	Municipal Storm Water Transport	3	3575		•			
	System	r	TWEL		•	ø	•	
	Well (Injection)		-					
	Olner ·	I	јотн					
	If 'other' is checked, specify	2058						
	•			:				
б.	Disenarge Point - Lat/Long Give		•					
	the precise location of the Doint of discharge to the nearest second,		24	- 2_MIN	30_SEC			
	Latitude	2064	<u>_34</u> .080	3 <u></u> MIN	• • • • • • • • • • • • • • • • • • •			
		2065	<u>118 of</u>	G 15_MIN	<u>DO</u> _SEC			
	Longitude							
-	Discharge Receiving Water Name				581.2 - 191. SAME AND AND			
·.	at the waterway at the point	207a	Storm	Drakin to	Los Ange	Los River		
	of oischarge_(see instructions)		· .					
		1.	For Age	ncy Use		For Agency Use 303e		
If	the discharge is through an out-	2075	Major Mi	inor Suo	207c	2026		
6.51	the original beyond the shore" to or is below the mean low			14		and the second	<u>)</u> }	
- IIn - wa	ter line, complete item 8.							
z.	Offshore Discharge	2084		feet		F	• •	
	a. Discharge Distance from Shore				•			
	b. Discharge Depth Below Water	2050		feet =	-			
	Surface							
9.	Discharge Type and Occurrence							6
3.	Type of Discharge Check		• Riconic	Continuous	•	<b>*</b>	***	1'
	whether the discharge is con- tinuous or intermittent.	2093						4_
	(see instructions)		🗋 (int) Ir	stermittent				
	b. Discharge Occurrence Days Der		7 days p					
	week Enter the average nume	2095	Cays p	er week				
	ber of days per week (during periods of discharge) this dis-				-	-		
	charge occurs.					•		
	C. Discharge OccurrenceMonths	2096	DJAN.	OFES DM.				
	If this discharge normally operates (either intermittently,	1 1 4 4 4 4 4	1 i	ענים אטנים				
	, or continuously) on less than		OMAY.	-	-			
	a year-around Dasis (excluding snutdowns for routine mainte-	1 1 1	J LISEP		ON THE	-		
	nance), check the months dur- ing the year when the discharge		21					
	ing the year when the discharge is operating. (see instructions)				*9			
	complete Items 10 and 11 If "inter-			•				-
	stream is checked in Item 9.4.	vi;	()					
	)(herwise, proceed to item 12:		÷.			1.		
	0. Intermittent Discharge Quantity			Α τοουτο	nd gallons per	discharge occurre	nce.	
	Charles average volume per up	210		<u></u>				
	charge occurrence in thousands of gallons.	- 5						
	·		Sair 1					
	11. Intermittent Oischarge Duration							
	and Frequency a. Intermittent Oischarge Ouratio	in 17	N/A		•			
	ner may State the average	211	an	ours per day				
	number of hours per day the discharge is operating.						•	
	<ul> <li>b. Intermittent Oischarge</li> <li>Frequency State (ne average)</li> </ul>	21	o	sischarge occurre	nces per day			
	number of discharge occur-							
	rences per day during days when discharging.		-					•
	1 1121 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
	tz. Maximum Flow Period Give the							

Ð DISCHARGE SERIAL NUMBER FORM APPROVED OMB No. 158-20100 020 FOR AGENCY USE Piped discharges to stormdrains tivity Onteriotion Give a 213a ristive description of activity 3rd and 4th St. along Santa Fe St. policing this discharge.(see between direction11 west of the Los Angeles River Activities include collection/treatment of seepage, stormwater inflow, washdown, and equipment drainage Not applicable, Operation activities associated ctivity Causing Discharge For with Rapid Transit System ICH SIC Coce which describes activity, causing this discharge. y the type and maximum nt of either the raw material mumed (Item 14a) or the product roduces (ttem 14b) in the units pecified in Table I of the Instruct ion Socklet. For SIC Codes not isted in Table I, use raw material or production units normally used or measuring production.(see nstructions) Not Applicable 1. Raw Materials Shared Discharges Unit Maximum (Serial Number) Amount/Day (See Table I) Name SIC Code (5) (4) (3)... (Z) (1) 1 . . .... r = 2.

Shared Discharges . Products Unit Maximum (Serial Number) Amount/Day (See Table I) Name SIC Code (5) (3) (4)(21 (1) 146 ÷ .

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17 DISCHARGE SERIAL NUMBER 020

FORM APPROVED OMB No. 158-R0100

FOR AGENCY USE . .

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### 16. Mastewater Characteristics

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

Parameter 216	Present	Parameter 216	Present
Colot 00080		Copper . 01042	
Ammon= 00610		lron 01045	
Organic nitrogen Organis nitrogen 00605		· Lead 01051	
Nitrate 00620	x	Magnesium 00927	
Nitrite		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	x	Molybdenum 01062	<u>.                                 </u>
Sulfide 00745	· ·	Nickel 01067	+
Sulfice 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	x	Potassium 00937	x
Cyanide		Sodium 00929	X
00720 Fiuoride		Thallium 01059	
00951		Titanium 01152	
01105 Antimony		Tin 01102	
01097 Arsenic		Zinc 01092	
01002 Beryllium		Algicides	
· 01012		Chlorinated organic compounds* 74052	
01007 Boron	••	Pesticides" 74053	-
01022 Cadmium		Oil and grease 00550	
01027 ·	x	Phenois	
00916		Surfictints 38260	
01037 Chromium		Chlorine	
01034 Fecal coliform bacteria 74055		50060	

\*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.

a second second 67 DISCHARGE SERIAL NUMBER FOR AGENCY USE . 1 020 for each of the parameters listed below, enter in the appropriate box the value or code letter answer called for (see instructions) 17. Ocseription of Intake and Discharge 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, beryilium, cadmium, chromium, Copper, lead, mercury, nicket, selenium, zinc, phenois, oil and grease, and childrine (residual). Effluent Influent . Observed of Expected During Discharge Activity ()bserved at Expected During Discharge Activity Maximum Volue llntrealed Inlake Water (1)aily Average) Minimum Value In-Plant Treated Intake Water (1)aily Average) Frequency of Analysis Sample Type Daily Average Number of Analyses Parameter and Code 2174 (7) (8) (6) (5) (4) (3) (2) (1)Flow" 1 Gallons per day 66,900 66,900 1.1MGD Annual 0 0 00056 pН ..... Units 6.0 8.0 7.0 00400 Temperature (winter) <u>+</u> 2° + 2<sup>°</sup> c + .2<sup>0</sup>c • F С ND 74028 į Temperature (summer) <u>+</u> 2<sup>0</sup> <u>+</u> 2<sup>0</sup> + 2° c С С ş ND \* F 74027 --Biochemical Oxygen Demand (BOD 5-day) ND mg/l (0)00310 Chemical Oxygen Demand (COD) ND mg/1 00340 (0)Total Suspended (nonfilterable) Solids 150 10 mg/1 50 150 00530 Specific Conductance 1500 200 micromhos/em at 25° C 200-1500 ----00095 ۰. Settleable Matter (residue) ml/1 ND 00545

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

	_	FORM APPROVED OME No. 158-R0100
	DISCHARGE SERIAL NUMBER	FOR AGENCY USE
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(7. (Contrd.)		•

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		Influent		· Effluent						
	Parameter and Code	(1) Mater (1) Mater (1) ally Average)	In-Plant Treated D Intake Water (Daily Average)	<ul> <li>Daily Average</li> <li>.</li> </ul>	Allnifmum Value Observed or E I:xpected During Discharge Activity	MaxImum Value Maxrud or G I:xpected During Discharge Activity	Grequency of Analysis	<ul> <li>Number of</li> <li>Analyses</li> </ul>	Sample Type	
	Oil/Grease 00550	0		10		- 10	Annuals:			
		· · · ·			[ 					
				· · · · · · · · · · · · · · · · · · ·	•	· · · · · · · · · · · · · · · · · · ·	• •			
) —	<u> </u>						<u> </u>	<u> </u>	<u> </u>	

Plant Controls Check if the fol-
lowing plant controls are available
for this discharge.

Alternate power source for major -

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.

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a. Name of Material(3)

- b. Name and address of manufacturer
- . C. Quantity (pounds added per million gallons of water treated).

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ALM	
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N/A·	
N/A .	
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N/A.	
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OISCHARGE SERIAL NUMBER FOR AGENCY USE 020 N/A 219d d. \_Chemical composition of these additives (see instructions). Complete ilems 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, betroleum refinery, or shy other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions) 20. Thermat Discharge Source Check 220 N/A the appropriate Item(s) indicating ۰۰. ۲ the source of the discharge. (See Instructions) £. C 8LBD Boiler Blowdown BCCL Boiler Chemical Cleaning APOF Ash Pond Overflow EPBO Boiler Water Treatment --- Evaporator Blowdown OCFP Oil or Coal Fired Plants - Effluent from Air Pollution Control Oevices 25 Condense Cooling Water COND ÷ .3 CT80 Cooling Tower SlowCown Manufacturing Process OTHR Other 21. Discharge/Receiving Water Temper-N/A ature Différence 23 Give the maximum temperature difference between the discharge Æ and receiving waters for summer 2 ۰, and winter operating conditions. 1 (see instructions) ٥γ. 2213 Summer °F. 2215 Winter <u>.</u> 22. Discharge Temperature, Rate of N/A F./hour 222 Change Per Hour Give the maximum oossible rate of temperature change per hour of X discharge under operating conditions. (see instructions) 22. Water Temperature, Percentile Report (Frequency of Occurrence) N/A In the table below, enter the temperature which is exceeded 10% ς. 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 ۹<sub>F</sub> ٩<sub>F</sub> ۹F 2234 a. Intake Water Temperature (Subject to natural changes) ۰. o F °F 02 ٥F ZZ35 b. Discharge Water Temperature 224 feet/Sec. 24. Water Intake Velocity N/A 1 (see Instructions) 25. Retention Time Give the length of 225 minutes time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

EPA Form 7550-23 (7-73)

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•		DISCHA	AGE SERIAL NUMBER	र		
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	Additional Informati	ia n		•		
229	item ·		Information			
		See Attachment B		·		
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EPA Form 7550-23 (7-73)

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FORM APPROVED OMB No. 158-R0100

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### 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 adatement 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 or an official implementation schedule should be attached to this addication. 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

te	m 1c), SUGMIT A SEPARATE SET							· · · · · · · · · · · ·	
1.	Improvements	300				SCHED. NO	A SWEEK	and the second	
•	a. Discharge Serial Number	2005 - C	0	2	0	<u> </u>			•
	Affected List the discharge	3012		<u> </u>					
	serial numbers, assigned in	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4							
	Section II, that are covered by								
	this implementation schedule.	188 B					,		
	•	ANY ST.							
	b. Authority Imposing Requires	See . 20				•			-
	month Check the appropriate		N/A						
	Item indicating the authority for		,			•			
	Implementation schedule. If						•		
	the identical implementation	Call States							
	schedule has been ordered by	( The second							
	more than one authority, Check						•	,	
	the appropriate liems (see	and the second							
	Instructions)		Loc		-				
	Locally developed plan	3015							
	Areawide Plan		BARE						
	Basic Plan	cire.	BAS						
	State approved implementa-								- h
		1.5X.m.	🗌 sa s						
	tion schedule	1		•				•	7
	Federal approved water	2.5							
	quality standards implementa-	A State	🗆 was						
	tion plan.								
	Federal enforcement proced-	1.000						•	
	ure or action	and a second	ENF				-		
	•		CRT						
	State court order		- FED		•				
	Federal court order	. of the second	Creo			•			
	C. Facility Requirement, Specify	2.2	3-charact						
	the techaracter code of those		(general						
	listed below that best describes	. Sec. Sec.	(general	1					
	to constal terms the require-	7.5							
	must of the implementation	3010							
	schedule and the applicable six-								
	character abatement code(s)							-	
	from Table II of the Instruction	3014	6-icnaract	ter 🐪		•			
	booklet. If more than one		(specific						
	schedule applies to the facility		(see Table	e 11)					
	because of a staged construction	1991	1						
	schedule, state the stage of con-	1.0					-* /		
	struction being described here	2022						1. A	
	with the appropriate general	合治					-		
	action code. Submit a separate								
	Section III for each stage of		il ———						
	construction planned-						•		

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

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纾 020 FOR AGENCY USE Implementation Schedule and 3. Actual Completion Dates • . . 2. Provide dates imposed by schedule and any actual dates of completion for implementation staps listed below. Indicate dates as accurately as possible, (see Instructions) . . . . . . "• . . 3. Actual Completion (Yr./Mo./Day) . ŝ 2. Schedule (Yr./Mo./Day) Implementation Steps . . . . -303A 002a 9 472 -. > Preliminary plan complete hi ana 3025 1 7035 b. Final plan submission. × 38 302c 1112 303c. Final plan complete . . . . .  $\sim 10$ bcoc. 3024 d. Financing complete 4 contract awarded E. star . 302e · • . 303e -. .e. Site accuired ۰. 24 P 3034 3034 3035 . . 12021 · f. Begin action (e.g., construction) 3025 g. End action (e.g., construction) 302h h. Discharge Began . 3021× I. Operational level attained . S. Low Sund

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FORM AFPRICYEL OME No. 153-RUIGE

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### 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	101	Southern California Rapid Transit District
	(see instructions)		
2.	Mailing Address of Applicant (see instructions) Number & Street	1023	425 South Main Street
	City	1025	Los Angeles
	State	102c	CA
	Zip Code	1020	90013
3.	Applicant's Authorized Agent (see instructions) Name and Title	703a	Melvín L. Polacek Construction Manager (Attn: C. Thomas Williams)
			Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1036	600 South Spring Street, Suite 1200
	City	103c	Los Angeles
	State	1030	CÀ
	Zip Code	1032	90014
	TeleShCne	toaf	213 <u>489-6941</u>
4.	Previous Application If a previous application for a National or Federal discharge per-		Code
	National or Federal discharge ber- 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	Director of En [102.] Transit Facil:	÷ ÷
Printed Name of Person Signing		Title
NE Chillin	1021 12/10/1	2)
Signature of Applicant or Autnovized Agent	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	ate 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 track, 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.

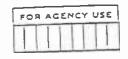
· · ·	FOR AGENCY USE	•
		OFFICE:EPA Region Number
Pecalities		State
	I-1	This section contains 3 pages.

			021
۰.			
			FOR AGENCY USE
F	chility/Activity (see instructions)		
G	Ing the name, ownership, and		
-	in a operating lacility where one		
¢	nargetst does or will occur.	1053	North Yard Storm Drain 2nd/Santa Fe St.
	Nam# • •		Southern California Rapid Transit District
	· .		
			Los Angeles
*		·	
	Ownership (Public, Private or Both Public and Private)	1056	
			() FED
	Check block If Federal Facility and give GSA Inventory Control	105c	
	Ind give dark internety	1050	
		1 2.1	
	Location	12	2nd and Santa Fe St
	Street & Number	103e 	
		1051	Los Angeles
	City	1	Los Angeles
	County	1059	
	State	1055-	California
	. :	5.1941.14	Operation of Rapid Transit System
•	Nature of Business State the nature of the business conducted	1063.1	
	at the plant or operating facility.	e <sup>ini</sup> e	·
		1060	AGENCY USE
			2
			1 Constant and Constant And Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and Constant and C
	-		
	Facility Intake Water (see instruc-	1 1 jun 1944 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · ·
	tions) Indicate water intake volume per day by sources. Estimate		
	average volume per day in (nousand		
	gallons per Cay. Municipal or private water system	-1073	O thousand sallons per cay
,	INDUIDDAL OF PROTOCOLOGICAL STATE		236.3 thousand pallons per eay
	Surface Water	1075	
	Groundwater	1070	trousand gallons per day
		107d	O thousand gallons per day
	Other*	1078	
	Total Item 7	1070	<u> </u>
	"If there is intake water from . "other," soacily the source.	1071	
в.	Facility Water Use Estimate		•
	average volume der day in thousand gations der day for the following		
	types of water usage at the facality.		
	(see instructions)	108:	
	biburenter anamis user	28-2	
	Boller feed water	1081	
	Process water (including contact	100	
	cooling water)	108	e thousand gallons ber day
		108	
	Sanitary water	1.	
	Otner"	108	
	Tatal Rem A	108	thousand gallons per day
	, Total Item 8		
	"If there are discharges to	108	Equipment water supply and washdown
	"other," specify.		
	If there is "Sunitury" water use, give	e  -	
	the number of people served.	101	

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	All Facility Discharges and other
•	Losses: Number and Discharge (see
	Entrest transaction for all the
	Instructions) Volume Specify the
	pumper of disenarge points and the
	volume of water discharged or
	lest from the facility according to
	los: from the lacing sociality
	ine categories betow. Estimate
	average volume per day in thousand
	anstads Antonne Net geat up the
	gallons per day.

ics: from the facility according to the categories below. Estimate average volume per day in thousand gations per day.	Number of Discharge Points	Total Valume Used or Discharged, Thousand Gal/Day		
Surface Water	10311	10932 <u>0</u>		
Sanitary wastewater transport system	10901	10302		
Storm water transport system	103c1	236.3	•	
Complined sanitary and storm water transport system	10501 0	109d2		
Surface Impoundment with no effluent	105+1	109e2	•	
Underground percolation		.10912		
Well Injection	10991		_	
Waste acceptance firm	10911		-	
Evaporation	· 109(3)			
Other"	0	109×2	_	
Facility discharges and volume Total Item 9.	10911	10512	-	1
"If there are discnarges to "other," specify.	105m1			

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10.	Permits, Licenses List all existing, I	and Applications cending or denied pe	- mits, ficenses and	applications rela	ited to discnarges	from this facilli	y (see instruction	ns)
	Issuing Agency	For Agency Use	Type of Permit or License	1D Number	Oate Filed Y9/M0/DA	Date Issued YA/MO/DA	Denied YR/MO/DA	Date YR/MO/DA
110	1	1541 (584 1 <b>(D)</b> - <sup>3</sup> 51 44 484	· 11년 (C) (하지않는	ng# 25 - <b>(α)</b> - 2 - 2 <sup>15</sup>	(in the (a) when a	a yaa (t) aysaa	Tanalo (s) Robert	and the state of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se
1.	City of	化完全有新用			-	-		
	Los Angeles County of Los inceres		· ·			··		
2.		1 og sær 1				<u> </u>	ļ	
		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec				<u> </u>	<u> </u>	
3.					<u> </u>	<u> </u>		

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

12. Additional Information

112	Item Number	

1112	Item Number		
	7/8/9	See Attachment.	
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Information

FORM PPROVED OME No. 158-R0100

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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### SECTION IL. 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 repre-

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

1.	Disenarge Serial No. and Name		021	
	a. Discharge Serial No. (see instructions)	201a	· .	
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any.</li> <li>(see instructions)</li> </ul>	2016	North Yard Storm Drains, A-112, 2nd/San Operations	<del>ta Pe St</del>
	c. Previous Discharge Serial No. If previous permit application was made for this discharge (see (tem 4, Section 1), provide previ- ous discharge serial number.	201c		
z.	Discharge Operating Dates	· · /	۳	
	a. Discharge Beşan Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	2023 1	<u></u>	ķ
	D. 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.	2025	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	.* و
3.	Engineering Report Available Check if an engineering report Is available to reviewing agency upon reduest. (see instructions)	203	 ا	
4.	Discharge Location Name the political boundaries within which the point of discharge is located.		California	Agency Use
	* State	204a		204d
	County	2045	Los Angeles	204e
	(if applicable) City or Town	294c	Los Angeles '	2041
5.	Discharge Point Description Olscharge is into (check One); (see instructions)	*	· .	
	Stream (includes ditches, arroyos, and other intermittent watercourses)	2053	- USTR	
	Lake		<b>O</b> lke	
	Ocean		COCE	
	Municipal Sanitary Wastewater Transport System		Ĺmts	
	Municipal Combined Sanitary and Storm Transourt System.		-MCS	
			11-1	· · · ·

•	· ·	DISCH	ARGE SERIAL NUMBER
	-		021
			FOR AGENCY USE
	Municipal Storm Water Transport		
	System	2	ars and a state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of
	wet (Injection)	I	
	Other		Потн
	If 'other' is checked, specify	2058	
	,		
6.	Discharge Point — Lat/Long Give the precise location of the point	.*	
	of discharge to the nearest second.	2064	34 DEG _2_MIN 30_SEC
	Latitude		118 DEG 15 MIN OD SEC
	Longitude	2065	
7.	Discharge Receiving Water Name		
	Name the waterway at the point of discharge.(see instructions)	207e	Storm Drain to Los Angeles River
	DI discuergeriser		· · · · · · · · · · · · · · · · · · ·
			For Agency Use For Agency Use 303e
lf t	he discharge is through an oul- that extends beyond the shore-	2073	Major Minor Sub
line	e or is below the mean low		
wā	ter lige, complete item at		
<b>z.</b>	Offshore Discharge	7	feet =
	<ol> <li>Discharge Distance from Shore</li> </ol>	2083	/set
	b. Discharge Depth Below Water	2085	feet
	Surface :	2000	
9.	Discharge Type and Occurrence		·
	<ol> <li>Type of Discharge Check whether the discharge is con-</li> </ol>	2092	🕅 (can) Continuous
	tinuous or intermittent.		[] (int) intermittent
	(see instructions)		
	<ul> <li>Discharge Occurrence Days per Week Enter the average num-</li> </ul>	2095	Z_days per week
	ber of days per week (during periods of discharge) this dis-		
	charge occurs.		
	C. Discharge Occurrence Months	2090	DJAN DEE DMAR DAPE
	If this discharge normatly ; operates (either intermittently, .	1 2 1 2 3	DUAL DAUG
	<ul> <li>or continuously) on less than</li> <li>a year-around basis (excluding</li> </ul>		
	shutdowns for routine mainte- nance), check the months dur-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DSEP DOCT UNOV DDEC
	ing the year when the discharge is operating. (see instructions)		· •
		1	
	Complete Items 10 and 11 if "inter- hittent" is checked in Item 9.a.,		
	)therwise, proceed to Item 12:		2
	0. Intermittent Discharge Quantity		NI/A
	State the average volume per dis- charge occurrence in thousands of	210	
	gallons.		
	1). Intermittent Discharge Duration		
	and Frequency	· · ·	
	<ul> <li>Intermittent Discharge Duration</li> <li>Per Day State the average</li> </ul>	211a	N/A
	number of hours per day the		
	discharge is operating.		
	<ul> <li>b. Intermittent Discharge</li> <li>Frequency State the average</li> </ul>	2115	discharge occurrences per day
	number of discharge occur tences per day during days		
	when discharging.		

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Sciency Description Give a variative description of activity inducing this discharge.(see instructions)

213a

Piped discharges to stormdrains

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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

Activity Causing Discharge For ach SIC Coce which describes the activity causing this discharge. We dive type and maximum which of either the raw material which of either the raw material which of either the raw material which is the state of the broouct Troduced (Item 14b) in the units poculied in Table I of the instruction Booklet. For SIC Codes not sisted in Table I, use raw material or measuring production.(see instructions) Not applicable, Operation activities associated with Rapid Transit System

Not Applicable

	SIC Code		Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
14a	• (1)		(2)	(3)····*	(4)	(5)
		•			1	· · ·
	<u> </u>		•	· · ·		<u> </u>
				<u> </u>		
1				-	· · ·	
				· · ·		
			·			
					•••	-
			<u> </u>	·		

. Pro	ducts SIC Code	Name -	Maximum Unit Amount/Day (See Table I)	Shared Discharges (Serial Number)
140	(1)	(2)	(3) (4)	
	<u> </u>			
		· · ·		

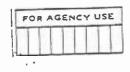
and the second second second second second second second second second second second second second second second

الا من علاق من علم الله من علم الله من من علم الله الله من علم الله من علم الله من علم الله من علم الله من علم الله من علم الله من علم الله من علم الله من علم الله من علم الله من علم الله من علم الله من علم الله من علم الله من

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### 16. Nastewater Characteristics

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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 sstimate.(se ctionsl

Parameter \$216	Present	Parameter 216	Precent
		Copper . 01042	
Ammonia 00610		lron 01045	
Organic nitrogen 00605		- Lead 01051	
Nitrote 00620	x	Magnesium 00927	
Nitzite .		Manganese 01055	
Phosphorus		Mercury 71900	
Sulfate 00945	X	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 7 71870		Silver 01077	
Chloride 00940	x	009 37	<u> </u>
Cyanide 00720		Sodium 00929	<u> </u>
Fluoride 00951		Thallium 01059	
Aluminum ·		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		Oil and grease 00550	
Calcium 00916	X		at <u>1</u> . 4 a
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	·
Fecal coliform bacteria 74055		Radioactivity" 74050	

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

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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.

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### 17. Description of Inlake and Oischarge

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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; in securion, enter the polonieler nome and code and on required values for any of the following parameters if they were checked in item 16; ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, coboer, lead, mercury, nickel, selenium, zinc, phenois, oil and grease, and chiorine (residual).

and entorine (residual).								
	. โกรีองส	ι <u> </u>			Effluent		t.	_
Parameter and Code iz .217a	Unicaled Intake B Waler (Dally Average)	In-Flant Treated (I) Intake Water - (I)aily Average)	() Daily Average	Minimun Value Observed or A. Expected During Discharge Activity	Alaximuu Volue Observed or Expected Durling Discharge Activity	D Frequency of Aualysis		Co Sample Lype
Fiow" Gallons per day 00056	236,300		236,300	0	_3.75MGD	<u>Annual</u>	1	
pH Units 00400	7.0		$\times$	6.0	8.0			
Temperature (winter) • F 74028	ND		+ 2 <sup>0</sup> c	+ 2° c	+ 2 <sup>°</sup> c			
Temperature (summer)	ND		<u>+</u> 2 <sup>0</sup> c	+ 2° c	' <u>+</u> 2 <sup>°</sup> c	-	(	
Biochemical Oxygen Demand (30D 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	•		200	1500			   
Settleable Matter (residue) mi/1 00545	ND		-			-4		

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

17. (Conta.) *		2* 1
		FOR AGENCY USE
- <del></del>	DISCHARGE SERIAL NUMBER	FORM APPROVED OMB No. 158-R0100

Parameter and Code	lIntreated Intake 	In-Plant Treated D Intake Water (Daily Average)	(.) Daily Average	Minimum Value Obscrved or E I:xpected During Discharge Activity	Maximum Value Observed or Strapected During Discharge Activity	<ul> <li>Frequency of</li> <li>Analysis</li> </ul>	L	& Sample Type
Oil/Grease 00550				- 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 discnarge 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).

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	N/A						
Statese							
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7193				ي = د			
7193				• =	~		
2132							
2132					~		
2194		¥		··.,			
2194							
2194							
2194							
2194		•					
2132		·					

			DISCHARGE SERIAL NUMBER		FOR AGENCY
			N/A -		
•	d. Chemical composition of these additives (see instructions).	2156		·	
(e.g. plar mar	l nPlete items 20-25 if there is a thermal di ., associated with a steam and/or power g it, steel mill, petroleum refinery, or any c iufacturing process) and the total dischar million gallons per day or more. (see ins	eneratio: )(ner ge f10w i	:		
20.	Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (See Instructions)	220° 	N/A		
	Boiler Blowdown	1.1	C 6LSO		
	Boiler Chemical Cleaning	1.4 1.1 1			
	Asn Pond Overflow				
	Boiler Water Treatment — Evapora- tor Blowdown		 		
	Olt or Coal Fired Plants - Effluent from Air Pollution Control Devices		OCFP		
	Condense Cooling Water		COND		
	Cooling Tower Blowdown		Ство		
	Manufacturing Process		MEPR		
	Other		COTHR .		
	•	2.44		•	
21.	Discharge/Receiving Water Temper- ature Difference		N/A		
	Give the maximum temperature difference between the discharge and receiving waters for Summer and winter Operating conditions.		•		A.
	(see instructions) Summer	2214	°F.		¥
	Winter .	2216	°F.		
22.	Discharge TemPerature, Rate of Change Per Hour	722	N/A		
	Give the maximum possible rate of temperature change per hour of discharge under operating con- ditions. (see instructions)				
	BILORN (SEE HISTIGHT)	1000	:		
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)		4		
	Frequency of occurrence		10% 5% 1% Maximum		
	<ul> <li>a. Intake Water Temperature (Subject to natural changes)</li> </ul>	2235	0 <sup>2</sup> 0 <sup>2</sup> 0 <sup>2</sup> 0 <sup>2</sup> 0 <sup>2</sup>	e	
	b. Discharge Water Temperature	2230	wE AE AE		
24.	, Water Intake Velocity (see instructions)	224 224	feet/sec_ N/A		
25	Retention Time Give the length of	225	minutes /		
	time, in minutes, from start of water temoerature rise to discharge of cooling water. (see instructions)				

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EPA Form 7550-23 (7-73) \_ \_ \_

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		DISCHARC	SE SERIAL NUMBER		
			021		FOR AGENCY USE
		-	<u></u>		
•••	Additional Informa	tico			
29.	Additional information		•		
225	ttem •		Information	· · · <u>-</u>	
-		See Attachment B			
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FOR AGENCY USE						
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# 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 12.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE FOR AGENCY USE

and the second second 300 SCHED. NO. 1. Improvements 12. a. Discharge Serial Number 301a Affected List the discharge مىر. 19 serial numbers, assigned in Section II, that are covered by S. this implementation schedule. 198 b. Authority Imposing Require-1 ments Check the appropriate " N/A 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) iii DLoc 3011 Locally developed plan DARE Areawide Plan -BAS Basic Plan State approved implementa-tion schedule Federal approved water quality standards implementa-Tiwos tion plan. Federal enforcement proced-ENF ure or action CRT State court order **FED** Federal court order c. Facility Requirement. Specify 3-character the 3-character code of those (A) ( (general) listed Delow that best describes in general terms the requirement of the Implementation 3010 schedule and the applicable six-character apatement code(s) from Table II of the Instruction 3014 6-character booklet. If more than one (specific) 15 schedule applies to the facility (see Table II) because of a staged construction 12 schedule, state the stage of con-1 struction being described here with the appropriate general action code. Submit a separace Section III for each stage of construction planned.

	·		• .			
	-		NEW			
	w Facility		MOD			
	dification (no increase in capacity or treatment)		INC			
	rease in Capacity		INT			
ine	Crease in Treatment Level					
80	th Increase in Treatment Level and Capacity		ICT			
21	ocess Change		PRO			
	imination of Discharge.	· ·	ELI	۰.	•	

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	FOR AGENCY USE
2.	Implementation Schedule and S. Actual Completion Dates
•	Provide dates imposed by schedule and any actual dates of completion for implementation steps fisted below. Inclusie dates as accurately as possible. (see instructions)
•	
	A. Preliminary plan complete     Julian submission.     Julian submission.     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Julian complete     Ju
	d. Financing complete & contract awarded 302d/ 203d/
	Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site accurred      Site acc
	g. End action (e.g., construction)
	h. Olscharge Began

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### 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 all 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

٦.	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	1025	Los Angeles
	State	- 102c	CA
	ZIP Code	1024	90013
3.	Applicant's Authorized Agent (see instructions) Name and Title	703a	Melvin L. Polacek <u>Construction Manager</u> (Attn: C. Thomas Williams) Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1035	600 South Spring Street, Suite 1200
	City	103c	Los Angeles
	State	1034	<u>CÀ</u>
	ZID Code	103e	90014
	Telephone	1035	213 <u>489-6941</u> Area Number
4.	Previous Application If a previous application for a National or Federal discharge per- mit has peen made, give the date of application. Use numeric designation for date.	104	N/A VR 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	[102e]}	Director of Engineering Transit Facilities
Printed Name of Person Signing		Title
AS Circulary.	102f	11/14/85
Signature of Applicant or Authorized Agent	L	i Date Application Signed

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

Whoever, in any matter within the furisdiction of any department or agency of the United States knowingly and wilfully faisifies, 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 AC	ENCY USE	•	
			1110 11-1 C . 1		
					OFFICE: EPA Region Number
P	VP MO DAY	• •	Т		State

This section contains 3 pages.

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	-	itty/Activity (see instructions)		FOR AGENCY USE
2		e the name, Gwnershid, and sical location of the plant or		
	otn	er operating facility where dis- rge(s) does or will occur.		
		rge(s) does of will occur.	105+	East Portal Storm Drain A-130, Commercial/Center St.
			•	Southern California Rapid Transit District
		• •		Los Angeles
			·	
		)wnersnio (Pupilc, Private or Ioin Puolic and Private)	1055	
	c	Check block If Federal Facility	105c	<u> </u>
		ind give GSA Inventory Control Number	1020	
			1.0	
	(	position	105e	East of Commercial/Center St
		Street & Number	29-1	Los Angeles
		City	10571	Los Angeles
		County	1059 . Alfabeter	
		State	105h	California
	5. NJ	sture of Business State the	10,6a .	Operation of Rapid Transit System
	Da	ture of the business conducted	14 P	
				AGENCY USE
			1050	
	•	· · · · ·		
	7. E	scillty Intake Water (tee instruc-		the second second second second second second second second second second second second second second second se
	15	ons) Indicase water intake volume		
	3.	erage volume per day in thousand	1.0	
	-	Municipal or private water system	3073	0 thousand salions per Cay
	•	Surface water	1075	thousand salions bar Cay
		Groundwater	107e	O thousand sations per day
		Other	107d	Incusand calions Der day
		Total item 7	107e	24.8 thousand gallons per day
	•.	٩		
		f there is Intake water from ather," specify the source.	1071	
	1. F	acility water Use Estimate		
		verage volume per cay in thousand allons per day for the following		
	t.	yoes of water usage at the facility. See instructions:	Ţ	
	ţ	Noncontact cooling water	1062	() Incusand gallons per day
		Boiler feed water	1085 1085	Indusand gallons ber day
		Process water (including contact		
		cooling water)	1010	thousand gallons per day
		Sanitary water	1020	thousand gallons per day
		Other	1020	thousand gallons per day
		. Total Item 8	10.07	O thousand gallons per day
·	*1	If there are discharges to other," 10eCl17.	1089	Equipment water supply and washdown
		If there is "Sanitary" water use, give		
		the number of people served.	1081	Deoble served

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FORM APPROVED OME No. 158-R0100

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All Facility Discharges and other Losses:-Number and Discharge (see Instructions) Volume Specify the number of discharge points and the		<b>.</b>	
volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gations per day.	Number of Discharge Points	Total Volume Used or Discharged. Thousand Gal/Day	
Surface Water	10301 	103+22 0-	
Sanitary wastewater transport system	· * 1	24.8	
Storm water transport system	109c1	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	2.
Complined sanitary and storm water transport system		10942 10942 0	
Surface impoundment with no effluent	105+1	109e2	•
Underground percolation		10992	
Weil Injection : Waste acceptance firm ·	nent	109h2	
Evaporation			• •
Cansumption .		109K2	- •
	1	24.8	_
Facility discharges and volume Total Item 9.	10915 24 25 25 24 25 25 24	- 103(2 × 1 	
"If there are discharges to "other," specify.	10901		

-.. 022

All Facility Discharges and other

3.

List all existing, cending or denied permits, licenses and apolications related to discharges from this facility (see instructions). 10. Permits, Licenses and Appilcations Date | Date | Expiration |

۱	Issuing Agency	SAT AREACY USE	Type of Permit or License		Date Filed Y9/MO/DA	Date Issued YR/MO/DA	Denied YR/MO/DA	Datz YR/MQ/DA	
110	(a) <sup>n</sup> 'm <sup>n</sup> ''''''''	(	(c) 4-7.25	1. ( <b>0</b> ) (0)	("ar wither (a) withings"	in the (1) or instance	nggay (s) Road		
٩.	City of Los Angeles			1	<u>-</u>			-	
	County of LOS Enceree			<u> </u>					•
1.		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		.	<u> </u>			1	
3.					· ·	1	<u> </u>	<u> </u>	
							<u> </u>	<u> </u>	,

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

12.	Additio	nai Information	1			
	(66E)	Item Numbtr	l	Information		
		7/8/9	See Attachment A			
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			1			
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FORM SPPROVED ONE No. 158-R0100

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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### SECTION I. BASIC DISCHARGE DESCRIPTION .

Complete this section for each discharge indicated in Section 1, Item 9, that is to surface waters. This includes discharges to municipal severage Complete this section for each discharge indicated in bection 1, item 9, that is to surface waters. This includes discharges to municipal severage 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 repre-Sentative 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.

4.	Discharge Serial No. and Name		000	
	a, Discharge Serial No. (see instructions)	2014	022	
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any,</li> <li>(See instructions)</li> </ul>	2015	<u>East Portal Storm Drain, Co</u> Operations	mmercial/Center St.
	c. Previous Discharge Serial No. If Drevious permit application was made for this discharge (see item 4, Section 1), provide previ- ous discharge serial number.	201e		
z.	Discharge Operating Dates			t.
	a. Discharge Began Oate 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.	2025	<u>90</u> 7 YR MO	1 <sup>°</sup>
	c. Discharge to End Date If dis- charge is scheduled to be discon- tinued within the next 5 years, give the date (within Dest esti- mate) the discharge will end.	<b>202c</b>	Continuing YR MO	
3.	Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)	203		
4.	Discharge Epication Name the political Doundaries within which the point of discharge is located.		0-116-min	Agency Use
	State	2044	California	204d
	County	2045	LOS ANGELES	Z04e
	(if applicable) City or Town	294c	Los Angeles	2041
5.	Discharge Point Description Discharge is into (Check one); (see instructions)			
	Stream (includes ditches, arroyos, and other intermittent watercourses)	205a	□str	
	Сзке .	. 1	LKE	
	Ocean		Doce	
	Municipal Sanitary Wastewater Transport System		Ωmts ,	
	Municipal Combined Sanitary and Storm Transport System		Смсs	S.C.R.T.D. LIBRARY
			. 11-1	J.U.A.I.D. LEDRAN

•	•	0194	HARGE SERIAL NUMBER	
	. •		022	
			(FC)	OR AGENCY USE
	_			
	Municipal Storm Water Transport System		🗶 STS	
	Wett (Injection)			
	Otner		Отн	
	1 - 1 - 1	2059		
	If fother' is checked, specify	•		
6.	Discharge Point — Lat/Long Give the precise location of the Point			
	ol discharge to the nearest second.	· ·	34 DEG _2 MIN 30 SEC	
	Latitude	2063		
	Longitude	2065	118 DEG 15 MIN DO SEC	
7	Discharge Receiving Water Name			
	Name the waterway at the point of discharge.(see instructions)	207#	Storm Drain to Los Angeles River	
	Of Gischel Serface instruction		4	
			For Agency Use For Agency Use 303e	
If th fall I	e discharge is through at out- that extends beyond the shore-	2075	Major Minor Sud 207c	
Ine	or is below the mean low : tr line, complete Item 8-			
		1 1		
<b>8.</b>	Offshare Discharge	2083	feet	
	a. Discharge Distance.from Shore		· · ·	•
	b. Discharge Depth Below Water Surface	2085	feet :	
•	-			
5.	Discharge Type and Occurrence a. Type of Discharge Gheck			A
	whether the discharge is con-	2091	反 (con) Continuous	4.
	tinuous or intermittent. (see instructions)		(int) Intermittent	¥
	b. Discharge Occurrence Days Per		Zays Der week	• *
	Week Enter the average num- ber of days per week (during	2095	L. GJYS DEF WREE	
	periods of discharge) this dis- charge occurs.	a in	· •	
	c. Discharge OccurrenceMonths (	12		
	If this discharge normally ; operates (either intermittently.	209c	DIAN OFEB OMAR DAPR	
	<ul> <li>or continuously) on less than</li> </ul>		DAN JUL DAUG	
	a year-around basis (excluding shutdowns for routine mainte-	1	DSEP DOCT DNOV DEC	
	nance), check the months dur- ing the year when the discharge	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	is operating. (see instructions)		•	
nii (	mplete Items 10 and 11 if "inter- ttent" is checked in Item 9.a	1.		•
21	herwise, proceed to item 12:	مر و قبری ۲۰ علی مر ۲۰ م بر در در		
Q.	Intermittent Discharge Quantity		N/Athousand gallons per discharge occurrence.	
	State the average volume per dis- charge occurrence in thousands of	Z10		
	gailons.			
11.	Intermittent Discharge Duration			
	and Frequency		N/A	
	<ul> <li>Intermittent Oiscnarge Duration</li> <li>Per Day State the average</li> </ul>	211a	N/A hours per day	
	number of hours per day the discharge is operating.		•	
	b. Intermittent Discharge			
	Frequency State the average	2115	discharge BcCurrences per day	
	rences per day during days			
	when discharging.			
	Maximum Flow Period - Give the			

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	DIS	CHARGE SERIAL NUMBER		FORM APPROVED	
		022		OMB No. 158-R010	
				FOR AGENCY USE	]
Activity Description Give a narrative description of activity producing this discharge.(see instructions)	213a   _	Piped <u>discharges to sto</u> east of Commercial and O west of the Los Angeles	enter St.		- 1
	 -	Activities include colle seepage, stormwater infl equipment drainage			 
•	 - - -				-
Activity Causing Discharge For the SIC Code which describes the activity causing this discharge, unpoly the type and maximum unit of either the raw material limed (Item 14a) or the product duced (Item 14b) in the Units specified in Table 1 of the Instruc- tion Sookiet. For SIC Codes not listed in Table 1, use raw material production units normally used		Not applicable, Operation with Rapid T <u>r</u> ansit System		es associated	- - 1

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1 for measuring production.(see instructions)

a. Raw Materials

Not Applicable

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Maximum Unit Amount/Day (See Table I) Shared Discharges (Serial Number) SIC Code Name (5) · (1) (2) (4) 14a . • . • . ... - 64 . . . , -. . • • - 1 ÷., .

. Products Shared Discharges (Serial Number) Unit Maximum Amount/Oay (See Table I) SIC Code Name (3) (5) (2) (4) (1) 145 . . ,

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FORM APPROVED OMB No. 158-R0100



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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) or best sstimate.(see

Presen	Parameter 216	Present
	Copper . 01042	
	Iron 01045	
	- Lead 01051	
x	Magnesium 00927	
	Manganese 01055	
	Mercury 71900	
x	Molybdenum 01062	
	Nickel 01067	•
	Selenium 01147	
	Silver 01077	
x	Potassium 009 37	x
	Sodium 00929	x
	Thallium 01059	
	Titanium	
	Tin 01102	
	Zinc	
	Algicides" 74051	
	Chlorinated organic compounds* 74052	
	Pesticides* * 74053	-
	Oil and grease 00550	2
	Phenois	
	Surfactants	
	Chlorine	
		Copper 01042           Iron 01045           Lead 01051           Magnesium 00027           Magnenese 01055           Mercury 71900           Molybdenum X 01062           Nickel 01067           Setenium 01147           Silver 01077           Potassium 00929           Thatlium 01059           Titanium 01152           Titanium 01152           Titanium 01102           Zinc 01092           Algicides" 74051           Choringted organic compounds" 74053           Oil and grease 00550           Pesticides" 74053           Oil and grease 00550           Chorine 50060           Radioactivity "

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

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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.

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#### 17. Description of Intake and Discharge

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For each of the parameters listed below, enter in the appropriate box the value or code letter answer called (on.isee instructions) In addition, enter the parameter name and Edde and all required values for any of the following parameters if liney were checked in Item 15; ammonia, Cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, serenium, zinc, phenoic, dil and greate, and chlorine (residual).

	and chlorine (residual).												
	. [	, influent			Effluent								
	Parameter and Code	Untreated Intake () Water (Daily Average)	In-Plant Treated D Intake (Valer (Daily Average)	🔒 Daily Avcrage	Alfainnun Value Observed or Expected During Dicebarge Activity	Maximum Value Observed or Expected During Discharge Activity	G Analysis	Aunter of Austrace	G Sample Type				
	Flow" Gallons per day 00056 •	24,800	o	24,800	0	393,200	Annual	1					
	pH Units 00400	7.0		$\ge$	6.0	_ 8,0							
	Temperature (winter) * F 74028	ND ·		<u>+</u> 2 <sup>0</sup> c	<u>+</u> 2 <sup>°</sup> c	+ 2° c	• · ·						
•	Temperature (summer) * F 74027	ND		<u>+</u> 2 <sup>0</sup> c	<u>+</u> 2° c	. <u>+</u> 2 <sup>0</sup> 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	•		200	1500							
	Settleable Matter (residue) ml/1 00545	ND		_	·-		4 m						

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

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FORM APPROVED OMB No. 158-R0100

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DISCHARGE SERIAL NUMBER

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فحاصلين فكيتهم ومترر فالمتعلمة حترجين المحر وحرار المرا

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ويتمام المحاصر محاود والمنام ويستعد والمحافظ مالان والرون تتوكي مر

17. (Contal) -

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	Inth	ient	•		Effluent			-
Parameter and Code ्रिग्रेव	Unireated Intake Water (Daily Average)	In-Plant Treated J. Intake Water (Daily Average)	🕖 Daily Average	Minimum Value Observed or Expected During Discharge Activity	MaxImum Value Observed or Expected During Disclarge Activity	<ul> <li>Frequency of</li> <li>Analysis</li> </ul>	3 Number of Analyses	🙆 Sample Type
Oil/Grease 00550	0		10		10	Annual :	1	
			<u> </u>					•
						<u> </u>		<u> </u>
							<u> </u>	<u> </u>
÷ .				-			<u> </u>	<u> </u>

 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.

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

- a. Name of Material(s)
- Name and address of manufacturer
- Quantity (pounds added per million gallons of water treated).

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649 <u> </u>				
Sar APS				
APS ALM N/A				
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	•			
N/A				
230494				
				<u> </u>
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and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s				
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	•			
19c				

			DISCHARGE SERIAL NUMBER
			022 FOR AGENCY
			N/A ···
	dChemical composition of these additives (see instructions).	219d	
-			
(e.	molete items 20-25 If there is a therma g., associated with a steam and/or powe	r generatio	
ma	nt, steel mill, petroleum réfinery, or sh nufacturing process) and the total disc million gallons per day or more. (see	sarge flow i	
zo	Thermal Discharge Source Check the appropriate item(s) indicating	220	N/A
	the source of the discharge. (See Instructions)		
	Boiler Blawdawn	1 S. M	□ also
	Boiler Chemical Cleaning		
	Ash Pond Overflow		() APOF
	Boiler Water Treatment — Evapora- tor Blowdown		☐ € P 3 D
	Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices	ла. - такт	COCFP
	Condense Cooling Water -		COND
	Caoling Tower Blowdown		С ство
	Manufacturing Process		
	Other ·		DOTHR . F
21	Discharge/Receiving Water Temper- ature Difference		N/A
	Give the maximum temperature		
	difference between the discharge and receiving waters for summer		*
	and winter operating conditions. (see instructions)		A V
	Summer	2213	9 <del>7</del> .
	Winter .	2215	°F.
77	Oischarge Temperature, Rate of		,
44	Change Per Hour	222	°E./hour N/A
	Give the maximum possible rate of		
	temperature change per hour of discharge under operating con-		
	ditions. (see instructions)		
23.	Water Temperature, Percentile		
	Report (Frequency of Occurrence) In the table below, enter the		N/A
	temperature which is exceeded 10%		277 **
	of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (See instruction		
	Frequency of occurrence		10% 5% 1% Maximum
		2233	ar ar ar
	(Subject to natural changes)		
	b. Discharge Water Temperature	2235	
24.	Water Intake Velocity (see Instructions)	224	feet/sec_ N/A
25.	Retention Time Give the length of	. 225	minutes
	time, in minutes, from start of water temperature risk to discharge of cooling water, (see instructions)	Lasawagii	

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, 's.		DISCHARGE SERIAL NUMBER	_R0100
			$\prod_{i=1}^{n}$
· . 26.	Additional Informat	ian Information	
226	tem '		
		See Attachment 8	
		-	
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EPA Form 7550-23 (7-73)

#### FORM APPROVED OME No. 158\_R0100

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## 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 111 FOR EACH ONE.

		I mandetal c*				1	FORA	GENCY	320		
1.	Improvementi	300					ίο, <sup>μ</sup>	2947 (11) est	مېر د مېر د د د ور. مېر د مېر د د	J-ta	
	a. Discharse Serial Number Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule.	3012	0 2	2		<u>, ' % , .</u>	-1,-		<u>.                                    </u>		
	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		. ·				-		-
			00	-		-					
	Locally developed plan Areawida Plan										
	Basic Plan State approved implement≫ tion schedule	□s									4
	Federal approved water quality standards implementa- tion plan.		'QS								· -
	Federal enforcement proced- ure or action	- 6399 - 6203 □ E	NF								
	State court order	- ite in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	RŤ			-					
	Federal court order		εD								
	C. Facility Requirement. Specify the 3-character code of those listed below that Dest describes in general terms the require- ment of the implementation schedule and the applicable six- character abatement code(s)	12 1 12 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	laraCter Ineral }								
	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 con- struction being described here with the appropriate general action code. Submit a separate		haraCter Beclfic) Table II)				۰.		- - •* p		
	Section III for each stage of construction planned.			_							

 New Facility
 NEW

 Modification (no increase in capacity or treatment)
 MOD

 increase in Capacity
 INC

 increase in Treatment Level
 INT

 Both increase in Treatment Lever and Capacity
 ICT

 Process Change
 PRO

 - Elimination of Discharge
 ELi

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1

Implementation Schedule and 3. Actual Completion Dates 2.

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

3. Actual Completion (Yr./Mo./Day) 2. Schedule (Yr./Mo./Day) Implementation Steps

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Preliminary plan complete	10002.00	Sus kerman	•	
المود بالجناب المشار		Toota	1 1	
				•
b. Final plan submission.	- We wat		•	•
	10 N F 10 1	303c		••
c. Final plan complete	3820/	Street.		
	1. Mar.	L. 4 1		
	302d//	1303d	/	
d. Financing complete & contract awarded		14 24 34		•
* * * * *		303e	· , ,	
	. 302*//		//	•
e_Site acquired	282	and an alter		
		1031		
f. Begin action (e.g., construction)	202ft/	INSTRUCTION OF		•
1. Degin zenon (albu anna	ward -			
	3029//	30 3g <sup>2</sup>	/	
g. End action (e.g., construction)		5.30		
<b>a</b> . –			1 • 1	
	- 302h//	- 303h '		
h. Discharge Began	A Contraction of the second second second second second second second second second second second second second	10 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -		
• •		3031	/	
L Operational level attained	3021 []/			· ·.
1. Oberational level actained	and a second			

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# APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

STANDARD FORM C - MANUFACTURING AND COMMERCIAL

#### SECTION I. APPLICANT AND FACILITY DESCRIPTION

Uniess 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	101	Southern California Rapid Transit District
	(See instructions)		
2.	Mailing Address of ADDicant (See instructions) Number & Street	1022	425 South Main Street
	City	1025	Los Angeles
	State	1020	<u>CA</u>
	ZID Code	1021	90013
з.	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	1035	600 South Spring Street, Suite 1200
	City	1030	Los Angeles
	State	1034	CÁ
	Zip Code	103e	90014
	TeleDhone	1031	213 <u>489-6941</u> Arsa Numper
4.	Previous Application If a previous application for a		Code
	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
		)	

t 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 [102:] Transit Facilities
Printed Name of Person Sighing	Title
Alicaley	1021 11/14/45
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 of agency of the United States knowingly and wilfully faisifies, 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
Pecalved	*			State
		1-1		This section contains 3 pages.

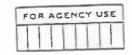
		•.	
•		023	
<ul> <li>Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating (actility where dis- charge(s) does or will occur.</li> </ul>			FOR AGENCY USE
Name	1054		Keiler/Center St.
<b>ه</b> .		Southern California Rapid Transi	t District
• •		Los Angeles	
Ownership (Public, Private or Both Public and Private)	105.8	QPUS OPRV OBPP	
Check block if Federal Facility	10.5e	O FED	
and give GSA inventory Control Number	1050		
Location		·	
Street & Number	105e	Keller/Center St.	
City	10571	Los Angeles	
•	1059	Los Angeles	
County	1034	California	
State	105h-	A Contraction of the second second second second second second second second second second second second second	
6. Nature of Business State Ine	106a.	Operation of Rapid Transit System	
nature of the business conducted at the Diant or operating facility.		May not discharge until 1995.	
	1065	AGENCY USE	
			· ·
· · · · · ·	مرسند ۲۰۰ مربع م		
7. Facility Intake Water (see instruc-		· · ·	k
tions) Indicate water intake volume per day by sources. Estimate	1. 3.4		1:
average volume per Gay in Indusand gallons per Gay.	222 - 22 - 22 - 22 - 22 - 22 - 22 - 22		4
Municipal of private water system	1072	thousand gallons per day	
•	1075	thousand salions per day	
Surlace water .	100	thousand Galilons Der day	
Clonugwaget	107c		
Other	107.4	O thousand salions per day	
Total Item 7	107e	thousand gallons per day	
•	1.2		
"If there is intake water from "other," specify the source.	1071	•	
		•	
<ol> <li>Facility Water Use Estimate average volume per day in thousand</li> </ol>		· .	•
gations per Cay for the lotiowing types of water usage at the locility.		•	
(yoes or water usage at the rounty) (see Instructions)			
Noncontact cooling water	1083	0 thousand gallons per day .	
Boller feed water	26,2%. 1085	thousand gallens per day	
	1944 - A.		
Process water (Including contact cooling water)	108c		
f 1 h	1024	O laguand gailons per day	
Sanitary water	1	0	
Other"	108+	thousand gailons per day	
, Total Item 8	1087	thousand gallons per day	
"If there are discharges to "other," specify.	1089	Equipment water supply and w	ashdown
If there is 'Sanilary' water use, give the number of deople served.	1081	O people served	
		1-7	

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FORM APPROVED OME No. 155-R0100



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All Faelity Discharges and other
Lessers Number and Discharge (see
Contract the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
Instructions) Valume Socily the
number of discharge points and the
volume of water clacharged or
VOIGHT OF FORT
lost from the facility according to
the categories below. Estimate
the categories below.
average volume per day in thousand
gallons per day.

3

the categories below. Estimate	Number of	or Discharged.		
average volume per day in thousand	Discharge Points	- Thousand Gal/Day		
gaitons per day.	p same propert property			
Surface Water		0912	-	
Sanitary wastewater transport				
system				
Storm water transport system				
Complined sanitary and storm water transport system	10901	109 02		
Surface Impoundment with no effluent	0	0 10342		
Underground percolation	1 10 11 1	10912	• • •	
Well Injection	1059T	10992:O		
Waste acceptance firm				-
Evaporation · ·				
Consumption .			÷ •	
Other"		109KZ		
Facility discharges and volume		10912 .		
Total Item 9- • •	105112	the second state		ŀ
* If there are discharges to 'other,' specify.	109m1			ł
	-			

or denied permits, licenses and applications related to discharges from this facility (see instructions). 10. Parmits, Licenses and Applications

1	List all existing, i	For Agency Use	Type of Permit or License	10 Number	Date Filed YS/MO/DA	Date Issued YR/MO/DA	Date Danied Y R/MO/DA	Expiration Oate YR/MO/DA	
110	1 (1) <b>(2)</b> (2)	(Traffic Sec (D) (Traffic Sec		न्द्र <sup>2</sup> ( <b>a)</b> ्र ( <b>a</b> )	at any (a) within a		₩ <b>₩</b> 22, <b>(5)</b> ™24.5	- <u>18 (18)</u> .1994-4	••
					-			• -	1
1.	Los Angeles County of Los Angeles				-			<u> </u>	1
2.		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)				<u> </u>			
		الم المحمد الم الم الم	·		l		ļ	<u> </u>	
3.		مميدي سرياة التعاريشين المرد ا			·		<u> </u>	<u> </u>	$\frac{1}{2}$
								<u> </u>	J

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

ī 12. Additional Information Information 112 Item Number -7/8/9 See Attachment .

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Number of

Total Volume Used

FORM APPROVED OMB No. 153-R0100

# STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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# SECTION I. 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	· · ·	023	,
	<ul> <li>Discharge Serial No.</li> <li>(see instructions)</li> </ul>	201a		
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any,</li> <li>(see instructions)</li> </ul>	2010	East Junction Storm Drains, Keller/Cer Operations	iter St.
	c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4. Section I), provide previ- dus discharge serial number.	201c	·	
z.	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 3	YR MO	٨
	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.	2020	<u>90 7</u> YR MO	
	C. Discharge to, End Date If dis- charge is scheduled to be discon- tinued within the next S years, give the date (within best esti- mate) the discharge will end.	202c	Continuing	.*
3.	Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)	203	 Ø	
<b>A</b> ,	Discharge Location Name the portilical boundaries within which the point of discharge is located.	2	California	Agency Use
	* State 💭	2044		
•	County	2046	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	□sĩr	
	Цаке .	-	Ū-KE	
	Ocean		OCE	
	Municipal Sanitary Wastewater Transport System		Пмтs	
	Municipal Combined Sandary and Storm Transport System		☐mcs	

÷	•	DISC	HARGE SERIAL NUMBER	
			023	
	•		FOR AGENCY	USE
				TT
	Municipal Storm water Transport System	:	XI STS	
	Weil (Injection)		[] wel	
	Other		Ортн	
	It 'other' is checked, specify	2050		
	÷			
s.	Discharge Point — Lat/Long Give the precise location of the point			
	of discharge to the nearest second.		<u>34 DEG 2 MIN 30 SEC</u>	
	Latitude	206a		
	Langituge	2065	118 DEG 15 MIN OO SEC	
7.	Discharge Receiving Water Name Name the waterway at the point	207.	Storm Drain to Los Angeles River	
	of discharge.(see instructions)			
			For Agency Use For Agency Use	1 - Carlos Carlos
If 1	the oischarge is through an out-	2076	Maior Minor Sub	
lin	I that extends beyond the shore- e or is below the mean low		207c	
wa	iter line, complete item 8.	•		
۰.	Offshore Discharge	1.7.1	•	
	a. Discharge Distance, from Shore	208.8	feet	
	b. Discharge Depth Below Water	1.1		
	Surface .	2086	feet	
9.	Discharge Type and Occurrence			
	a. Type of Discharge Check	209a	Ki (con) Continuous	
	whether the discharge is con- tinuous or intermittent.	2033		
	(see instructions)		(int) Intermittent	
	<ul> <li>Discharge Occurrence Days per Week Enter the average num-</li> </ul>	2096	Zdays per week	
	ber of days per week (during			
	periods of discharge) this dis- charge occurs.	a a s Stra		
	c. Discharge Occurrence Months			
	If this discharge normally ; operates (either intermittently,	209¢		
	- or continuously) on less than			
	a year-around basis (excluding shutdowns for routine mainte-			
	nance), check the months dur- ing the year when the discharge		· ·	
	is operating. (see instructions)			
	complete items 19 and 11 if "Inter-		*	
	nittent" is checked in Item 9.4 )therwise, proceed to Item 12:			
	0. Intermittent Discharge Quantity	، بر ۲۰۰۰ مەر	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	
	State the average volume per dis-	210		
	charge occurrence in thousands of gallons.		state Alexandre	
1	<ol> <li>Intermittent Discharge Duration and Frequency</li> </ol>			
	a. Intermittent Oischarge Ouration	211a	N/A	
	per Day State the average number of hours per day the	- I ·		
	discharge is operating.			
	b. Intermittent Discharge Frequency State the average	2115	bdischarge occurrences per day	
	number of discharge occur-			
	rences per day during days when discharging.		•	
;.				
	12. Maximum Flow Period Give the	1		

£ DISCHARGE SERIAL NUMBER FORM APPROVED 023 OMB No. 158-R0100 FOR AGENCY USE clivity Description Give a Piped discharges to stormdrains 213a strative description of activity -ocucing this discharge.(see between Center, Keller and Santa Ana Freeway structions) west of the Los Angeles River. Activities include collection/treatment of seepage, stormwater inflow, washdown, and equipment drainage Not applicable, Operation activities associated stivity Causing Discharge For en SIC Code which describes with Rapid Transit System e activity causing this discharge, ly the type and maximum. nt of either the raw material med (ttem 14a) or the product oduced (Item 14b) in the units

nt of either the raw material med (item 14a) or the product roduced (item 14b) in the units ecitied in Table I of the instrucon Sookiet. For SIC Codes not ited in Table I, use raw material production units normally used ir measuring production.(see structions)

Raw Materials Not Applicable

{	s	SIC Code			Name			Maximum Amount/Day			nit able l	3	Shared Discnarges (Serial Number)					
43	<u>·</u>	(1)							: <u>(3)</u> ···"			4) -		(5)				
I	<u>.</u>						-			•								
								•••					•		••			
			•							• •								
I	_				j								-• .					P
												•.		-	·, ·*,			

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ducts		Maximum Unit	Shared Discharges
SIC Code	Name	Amount/Day (See Table I)	(Serial Number)
(1)	(2)	(3) (4)	. (5)
	·		
	_		
	SIC Code	SIC Code Name (1) (2)	SIC Code Name Maximum Unit Amount/Day (See Table I) (1) (2) (3) (4)

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DISCHARGE SERIAL NUMBER

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16. Wastewater Characteristics

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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		Capper	
Алтола 00610		lron 01045	
Organic nitrogen		Lead 01051	
Nitrate 00620	x	Mognesium 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 009 37	<u> </u>
Cyanide 00720 -		Sodium 00929	X
Fiuoride 00951		Thallium 01059	
Aluminum		Titanium	
Алtimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	4 v	Pesticides* * 74053	
Cadmium 01027 -		Oil and grease DOSSO	2
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.

and the start start of the second start of the

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.

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#### DISCHARGE SERIAL NUMBER

### 023

FOR AGENCY USE

#### 17. Description of Intake and Olieharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer Called (onlisee instructions)

In acdition, enter the barameter 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, chromiwin, codder, lead, mercury, nickel, selenium, zinc, phenois, oit and grease, and chlorine (residual),

		lent	-		Effluent			
Parameter and Code	Unireated Inlake Water (Daily Average)	la-Plant Treated Datake Water (Daily Average)	() Daily Average	Alinimum Value Observed or Diserved or Bischerte Discharge Activity	Maximum Volue G Oliverved or Expected During Discharge Activity	<ul> <li>Frequency of Analysis</li> </ul>	S Analyses	G Sample Type
Fiow? Gallons per day 00056		0	·	0		Annual	1	
pH Units 00400	7.0		$\mathbf{X}$	6.0	8.0			
Temperature (winter) F 74028	ND		+ 2 <sup>o</sup> c .	+ 2 <sup>°</sup> c	+ 2° c	• •		
Temperature (summer) * F 74027	ND		+ 2 <sup>°</sup> c	+ 2 <sup>°</sup> c	' <u>+</u> 2° c	ŕ		
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)	44						
	ND (0)		_		_			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	 10	150			
Specific Conductance mieromhos/em at 25° C 00095	200-1500	-		200	1500	*		
Settleable Matter (residue) ml/l 00545	ND			·. 	** yi m * 0 , 10			

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

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OMB	No.	158—R0100

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FOR AGENCY USE

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17. (Cont'd.) -

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	Inilu	ient	•	•	Effluent		•	
Parameter and Code	linirested Inlake Water (I)aily Average)	In-Plant Treated Intake Water (Daily Average)	<ul> <li>Dally Average</li> </ul>	Minimum Value Observed or Expected During Discharge Activity	Maximum Value Maxerved or Expected During Discharge Activity	<ul> <li>Frequency of</li> <li>Analysis</li> </ul>	S Number of Analyses	🙆 Sample Type
Oil/Grease 00550	_0				10	Annual		
	•••		li					1
		<u> </u>	<u> </u>			 		
·	•		·····	•				

18.	Plant Controls Check if the fol-
	lowing 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 discnarge is treated with any conditioner, inhibitor, or algicide, answer the following: - 1484 - 149

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- a. Name of Material(\$)
- b. Name and address of manufacturer
- Quantity (pounds added per million gallons of water treated).

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APS					
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N/A					
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			DISCHARGE SERIAL NUMBER	Cross server
			023	FOR AGENC
	1	2194	N/A	
,	d. Chemical composition of these additives (see instructions).	2134		
٠	•			
Corr	plete items 20-25 if there is a thermal dis	Charge		
(e.g.	, associated with a steam and/or power ge t, steel mill, petroleum refinery, of any o	ineratio: ther		
man	ufacturing process) and the total discharg nillion gallons per day or more. (see inst	je flow i		
10 0	nalion gallons per day of more. (see this	• ~ =]	,	
20.	Thermat Discharge Source Check	220	N/A	
	the appropriate item(s) indicating the source of the discharge. (see		·	
	Instructions)	5		
	Soiler Blowdown	i		
	Boiler Chemical Cleaning			
	Ash Pond Overflow			
	Boiler Water Treatment — Evapora- tor Blowdown			
	Oll or Coal Fired Plants - Effluent		OCFP	
	from Air Poliution Control Devices	10.5		
	Condense Cooling Water		Соло Ство	
	Cooling Tower Blowdown			
	Manufacturing Process Other			
	Other			
21.	Discharge/Receiving Water Temper- ature Difference		N/A	
	Give the maximum temperature		•	
	difference between the discharge			6
	and rectiving waters for summer and winter operating conditions.	 	•	1.
	(see instructions) Summer	221a	°F.	٣
	-ar	2216	°F,	. ·
	Winter -			
22.	Discharge Temperature, Rate of	222 ) 222	oF./hour N/A	
	Change Per Hour Give the maximum possible rate of			
	temperature change per hour of			
	discharge under operating con- ditions, (see Instructions)	1		
-				
Z3.	Water Temperature, Percentile Report (Frequency of Occurrence)			
	In the table below, efter the		N/A	
	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	
	•			
	<ul> <li>Intake Water Temperature (Subject to natural changes)</li> </ul>	2238		
	b. Discharge Water Temperature	2236	0F 0F 0F 0F	
	•		N. N. N. N. N. N. N. N. N. N. N. N. N. N	
24.	Water Intake Velocity (see Instructions)	224	feet/sec_ N/A	
25.	Retention Time Give the length of	225	minutes /	
	time, in minutes, from start of	harring the		
	water temperature rise to discharge of cooling water, (see instructions)			

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	- - - -			DISCHARGE SERIA			FORM A PPROVED OMB No. 153-R0100
				023	_		FOR AGENCY USE
	• .				<b>.</b>		
•	26. 226	Additional Informa	tion	In	, formation		
			See Attachment S	3	· · · · ·		
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# 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 addition. 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

1.	improvements	308	SCHED. NO.
	a. Discharse Serial Number Affected List the discharge serial numbers, assigned in Section 11, that are covered by this implementation schedule.	301a <u>0 2</u>	3
	b. Authority imposing Reduinsments 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	N/A	
	Instructions)		
	Locally developed plan	3015 DLOC	a .au.a. a.
	Areawide Plan		
	Basic Plan	BAS	4
	State approved implementa- tion scnedule	□sqs	· · · · · · · · · · · · · · · · · · ·
	Federal approved water quality standards implementa- * tion plan-	Dwas	· · · · · ·
	Federal enforcement proced- ure or action		
	State court order	CRT	•
	Federal court order	FED	•
	E Facility Requirement, Specify the 3-character code of those listed below that best describes in general terms the require- ment of the implementation schedule and the applicable six-	3-character (general) 301c	
	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 com-	301d 6-charaCter (seeclfic) (see Taple II)	· · ·
	schedule, state the stage of contra struction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.		

	• • • • • • • • • • • • • • • • • • •	
New Facility	. NEW .	
Modification (no increase in Capacity or treatmen	() MOD	
Increase in Capacity	INC	
Increase in Treatment Level	INT	
Both Increase in Treatment Level and Capacity	ICT .	
Process Change	PRO ·	
- Elimination of Discharge	EL:	

		_	4P.	
	· · · ·	023		FOR AGENCY USE
	Implementation Schedule and - 3, Actual Com	pietion Dates		
2.	Provide dates imposed by schedule and any actu Inclusion dates as a curately as possible. (see ins	al dates of completion for imple structions)	ementation steps listed belo 3. Actual Complet	
	Implementation Steps	Z. Schedule (Yr./Mo./Day)		
•	Preliminary plan complete	02a	Starton	
	b. Final plan submission.	028	303b// 303c//	
	c. Final glan complete		201691 1303d	·
	d. Financing complete a constant and a	102e/	3038	-
		102 <b>1</b>	/	
	g. End action (e.g., construction)	2029//	3039//	· ·
	h. Discharge Began	302h/	3031//_	
		fiet fraint	<u>[</u>	
				• • •

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### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

#### SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unitess otherwise specified on this form all Items are to be completed. If an Item is not applicable indicate (NAC)

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
	(see instactions)		
2.	Mailing Address of Applicant (see instructions) Number & Street	1023	425 South Main Street
	City	1025	Los Angeles
	State	- 10Zc	<u>_CA</u>
	Zip Code	1024	90013
з,	Applicant's Authorized Agent (see instructions) Name and Title	1034	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams)
			Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1036	600 South Spring Street, Suite 1200
	City	103c	Los Angeles
	State	103c	CÀ
4	Zip Code	103e	90014
	Telephone	1001	213 489-6941
4.	Previous Application If a previous application for a		Area Number · Code
	National or Federal discharge per- mit has been made, give the date		N/A
	of application. Use numeric designation for date.	104	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	lice   Transit Facilities	
Printed Name of Person Signing	Title	
An Crauleur	10/14/89	
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 wilfully faisifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any faise, fictitious or fraudulent statement or representation, or makes or uses any faise writing or document knowing same to contain any faise, 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	
•	•				CFFICE:EPA Region Number
. Pecsived	YR MO DAY -	÷			:ate
			1-1		This section contains 3 pages.

C p	collisty/Activity (see Instructions) live (ne name, ownershid, and nysical location of the blant of			FOR AGENCY USE
0	ther operating facility where dis- margets) does or will occur.	8. J	Tunnel Drain, A141 Main/Macy St	
	שהנא ד ז	1054	Southern California Rapid Transit	District
	• .		Los Angeles	
	Ownership (Public, Private of Both Public and Private)	1055		
	Check block If Federas Facility and give GSA Inventory Control Number	105c	□ FED .	
	6	14		
	Location Street & Number	105e	Main and Macy Street	
	City	105f 1	Los Angeles	
	County	1059	Los Angeles	
	State	105h	California	S
	. :	A Market	Operation of Rapid Transit System	
	Nature of Business. Slate the nature of the outliness conducted at the plant or operating facility.	1064.		
	· ·	1000	AGENCY USE	
	* * * *		•	
	Facility Intake Water (see instruc- tions) indicate water intake volume per cay by sources, Estimate _			p
	average volume per day in thousand gallons per day.			- 1
	Municipal or private water system	- 107a	thousand salions per cay	
•	Surface water	1075	0,3 thousand salions per day	
	Groundwater	107c	O thousand sallons per day	
	Other	1070	thousand salions per day	
	Total item 7	107e-	0.3 thousand sallons per day	
	If there is intake water from	1071		
	"Other," Specify the Source,			
•	Facility water Use Estimate average volume per cay in thousand			
	gallons per day for the following types of water usage at the facility.	1		
	(see Instructions)	1085	. O thousand gallons per day -	
	NonContact Cooling water	24.1		
	Boller feed water	10to		
	Process water (including contact cooling water)	1080	thousand gallons per day	
	Sanilary water	1020	O thousand gallons ber day	
	Other *	1084	thousand gaitons per day	
	. Total filem 8	1000	O Incusanci galions per day	
	"If there are discharges to "other," specify.	1009	Equipment water supply and was	ndown
	If there is "Sanitary" water use, give the number of Deodle served.	1081		

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### FORM APPROVED OMS No. 155-R0100

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	All Facility Discoa Losses: Number an Instructions) Volu number of dischart volume of Walef Cl	nd Discharge me Specily ge points and ischarged or	(Se# tha d ine					. <b>.</b> .			
	lest from the facilit the categories belo average volume per gallons per day.	iw. Estimate	•	P.11	Numb Disch Poli	arge		Total Volume L or Discharged Thousand Gal/ 0	1.		
	Surface Water			10941		i	10912		<u> </u>		
	Sanitary wastewat system	er transport		10201			10952	0.	<u> </u>		
	Storm water trans	port system		109c1	1			0,3	—		
	Combined sanitary water transport sy			10901	C	)	109 d2	0	· .		
	Surface Impounds effluent	nent with no	•	105+1	0	)	10322	0			
	Underground perc	plation		10911.		)	10912				
	Well Injection	4	_	105g1	C	)	10992				
	Waste acceptance	flem	. •	105h1	0		109n2				
	Evaporation		•	10511	0		10512	<b>0</b>			
	Consumption			10911	0	)	10912			e .	
	Other*			1109x11	0		10382	ļ0			
)	Facility discharge Total Item 9.	s and volum	•	10911	1		10912				
	* If there are disci specify.	harges to foti	ner,*	105ml							<u>A</u>
10.	Permits, Licenses List all existing, p	and Applica encing of G	tions mied per	- mits, ilcens	es and	i apolic:	ations rela	ited to discharge	rom this facili	ty (see instructio	 ns), /·
	Issuing Agency	For Agenc	y Use	Type of Pe or Licen		IDN	umğer	Date Filed YR/MO/DA	Date Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Oate Y R/MO/OA
110		. Set 2.∞ (b)		- The <b>(c)</b> -	et in i	ي ن اللي	(4)	The article & Alternal	k (1) minstaar	1942 (9) (200 S	THE A CONTRACT
٦.	City of tos Angeles									-	· -
	County of	میں مرجعہ الملک الملک الملک الم	45.3						*		
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11.	Maps and Orawir Attach all require			s to the bac	:k of 1	his add	fleation.(s	ee Instructions)	•*	ي که . م	
12.	, Additional Infor	mation							8		
	Item Nu	umber					- 74-55	Information	-1		
	7/8/	/9	See	Attach	men	t A		•			

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FORM APPROVED OMB No. 158-R0100

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### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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The Second Section of Addition

### SECTION IL. 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 lively 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	1	024	,
••	a. Dischärge Serial No. (see instructions)	2013		
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any,</li> <li>(see instructions)</li> </ul>	2015	Drain, Union Station Tunnel, Al41, Main, Operations	Macy St.
	c. Previous Discharge Serial No. It previous permit application was made for this discharge (see Item 4, Section f), provide previ- ous discharge serial number.	201c	·	
z.	Discharge Operating Dates	2.4		
6 <b>.</b> -	<ul> <li>Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.</li> </ul>	202a	YR MO	ł
	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.	2026	90 7 YR MO	ý
	c. Discharge to End Date if dis- charge is scheduled to be discon- linued within the next 5 years. give the date (within best esti- mate) the discharge will end.	202¢	Continuing YR MO	•
3.	. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)	293		
4	Discharge Location Name the political boundaries within which the point of discharge is located.		California	Agency Use
	* State	204a	Los Angeles	2046
•	County	2045		2041
	(if applicable) City or Town	204c		1 . 1
:	<ol> <li>Discharge Point Description Discharge is into (Check one): (see instructions)</li> </ol>			
	Stream (includes ditches, arroyos, and other intermittent watercourses	s) 2054	OŞTR .	
	Lake			
	Ocean		OCE	
	Municipal Sanitary Wastewater Transport System		[mts	
	Municidal Compined Sanstary and Storm Transport System		мсs . 11~1 —	
			•••	

-	OISCHARGE SERIAL NUMBER
•	024 *
-	FOR AGENCY USE
Municipal Storm Water Transport	X ST5
System	
Weil (Injection)	-
Otner	
If 'other' is checked, specify	2030
•	
<ol> <li>Discharge Point — LatyLong Give the precise location of the point</li> </ol>	
of discharge to the nearest second.	34 DEG 2 MIN 30 SEC
Latitude	2063
	2050 118 DEG 15 MIN 00 SEC
Langitude	
7. Discharge Receiving Water Name	207s Storm Drain to Los Angeles River
Name the waterway at the point of discharge_(see instructions)	Storm blain in the angeles with
	For Agency Use
	For Agency Use
If the discharge is through an Out- fail that extends beyond the shore-	207b Maior Minor Sub 207c
tine or is below the mean low	
water line, complete item 8-	
<ol> <li>Offshare Dischartie</li> </ol>	
a. Discharge Distance from Shore	2082feet
b. Discharge Depth Below Water	
b. Discharge Depth Berow Hotel Surface	202Dfeel - 40
-	
9. Discharge Type and Occurrence	
a. Type of Discharge Check whether the discharge is con-	2093 🕅 (con) Continuous
tinuous or intermittent. (see instructions)	-: [int] intermittent
b. Discharge Occurrence Days per	
week Foter the average num-	209b Zadays Der week
ber of days per week (during periods of discharge) this dis-	
Charge occurs.	
c. Discharge Decurrence Months	
to the discharge DOMINALLY	
operates (either intermittently, or continuously) on less than	
a year-around basis (excluding snutdowns for routine mainte-	SEP DOCT DNOV LIDEC
about check the months dur-	
ing the year when the discharge is operating. (see instructions)	
complete items 10 and 11 if "inter-	
sitteet is checked in Item 9.4.	1 March 1
)therwise, proceed to Item 12:	and Figure 1
0. Intermittent Discharge Quantity	The state of second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec
children average volume per vis-	
charge occurrence in thousands of gallons.	
-	
11. Intermittent Discharge Duration and Frequency	
. Intermittent Discharge Duratio	
Per Day State the average	211a Ly Phours per day
Per Day State the overlage	
number of hours per day the	
number of hours per day the discnarge is operating.	
numper of hours per day the discharge is operating. D_ Intermittent Discharge Frequency State the average	211bdischarge occurrences per day
number of hours per day the discharge is operating. D. Intermittent Discharge Frequency State the average pumper of discharge occur-	
number of hours per day the discharge is operating. D. Intermittent Discharge Frequency State the average number of discharge occur- rences per day during days	211bdischarge occurrences per day
number of hours per day the discharge is operating. b. Intermittent Discharge Frequency State the average pumper of discharge occur-	

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	DISCHARGE SEA	NAL NUMBER	2	FORM APPROVED OMB No. 158-R0100 FOR AGENCY USE		
- ·		.*		from tunnel		
<ul> <li>ity Description - Give a itive description of activity using this discharge.(see ustrons)</li> </ul>	at M	<u>discharges</u> ain/Macy of the Los Ang	· · · ·			
·	seepa	ities include ge, stormwate ment drainage	collection/ c inflow, wa	treatment of		
•				· · · · · · · · · · · · · · · · · · ·	-	
tivity Causing Discharge For n SIC Code which describes activity causing this discharge, the type and maximum	Not a with	applicable, Op Rapid Transit	eration act System	ivities associated	·	•**
of either the raw material of either the raw material bluesd (Item 14a) or the produ- culled in Table I of the instruc- in Sockiet. For SIC Codes not ted in Table I, use raw material broduction units normally used measuring production.(see structions)				-	۴ . 	-
Raw Materiats NOT Ag	oplicable	Maximum Ampunt/Day	Unit See Table I)	Shared Oischarges (Serial Number)	<del>ر.</del> ع	₹
SIC Code	(2)	(3)····	(4)	(5)	- :	
			•		-	
					-	
Products SIC Code	Name (2)	Maximum Amount/Day (3)	Unit (See Table I) (4)	Shared Oischarges (Serial Number) (5)	-	
		· · · ·				
					-	

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FORM APPROVED OMB No. 158-R0100

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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 sstimate.(see instructions)

Parameter "216	Present	Parameter 216	Pretch
Color 00080		Copper . 01042	
Ammonia		lron 01045	
00610 Organic nitrogen		- Lead 01051	
00605 Nitrate	x	Magnesium 00927	
00620		Manganese 01055	
00615 Phosphorus		Mercury 71900	
Sulfate	X	Molybdenum 01062	
00945Sulfide		Nickel 01067	÷
00745		Selenium 01147	
Bromide		Silver 01077	
71870	x	Potassium 00937	X
00940 Cyanide		Sodium 00929	X
00720 Fluoride		Thallium 01059	
Aluminum · . 01105		Titanium 01152 - :	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides= 74051	
Barium 01007		Chlorinated organic compounds <sup>®</sup> 74052	
Boron 01022	••	Pesticides	
Cadmium		Oil and grease 00550	
Calcium 00916	x		
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity" 74050	

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

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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	АG	ENG	ΞY	US	ε

#### 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, phenois, oil and grease, and chlorine (residual).

	. Influent			*	Effluent			
Parameter and Code	Unircaicul Iniake E Waier (I)aily Average)	In-Plant Treated Duinke Water (1)aily Average)	G Daily Average	Alfainnum Value Observed or Expected During Discharge Activity	Martinum Vahie G. Olserved or Expected Duilng Discharge Activity	Ercqueacy of Analysis	3 Number of Analyses	Sample Type
Fiow= Callons per day 00056	300	0	300	0	300	Annual	1	
pH Units 00400	7.0		$\left \right>$	6.0	8.0			
Temperature (winter) * F 74028	ND		<u>+</u> 2 <sup>0</sup> c -	<u>+</u> 2 <sup>°</sup> c	+ 2 <sup>°</sup> c			
Tempersture (summer) * F 74027	ND		+ 2 <sup>0</sup> c	<u>+</u> 2 <sup>°</sup> c	+ 2 <sup>0</sup> c	A		
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310	ND (0)			-	_			
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		प्रमा	-				,•
Total Suspended (nonfilterable) Solids mg/i 00530	150		50	10	150			
Specifie Conductance micromhos/cm at 25° C 00095	200–1500			200	1500	•		
Settleable Matter (residue) ml/I 00545	ND		-			p		

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

II-6

	-	FORM APPROVED OMB No. 158-R0100
	DISCHARGE SERIAL NUMBER	FOR AGENCY USE
· .	·• .	<u></u>
17. (Cont'd.) -		-

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		Influ	ient	Effluent						
	Parameter and Code	linireated Inlake B Water (I)ally Average)	In-Plant Trealed D Intake Water (Daily Average)	C Daily Average	Minitmum Value Observed or Expected During Discharge Activity	MaxImum Value Observed or Expected During Discharge Activity	<ul> <li>Frequency of</li> <li>Analysis</li> </ul>	1 1	🙁 Sample Type	
	Oil/Grease 00550	0		10		10	Annual			
-		•								
-							•			
<b>.</b>			<u> </u>			<u> </u>	1	<u>_ 1</u>		

18.	Plant Controls Check if the fol-
	lowing 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 conaltioner, inhibitor, or algicide, answer the following: ...

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a. Name of Material(s)

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- b. Name and address of manufacturer
- Quantity (pounds added per million gallons of water treated).

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N/A				
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			DISCHARGE SERIAL NUMBER
		11	N/A
*	<ul> <li>Cnemical composition of these additives (see instructions).</li> </ul>	Z19d	
	·	·	
(e.g. pian man	Plete items 20-25 If there is a thermal d , associated with a steam and/or BGwer it, steel mill, Petroleum refinery, or any sufacturing process) and the total discha million gallons per day or more. (see in	generatio other rge flow i	on is
20.	Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (See instructions)	220	N/A
	Boiler Blowdown		BLSD
	Boiler Chemical Cleaning		
	Ash Pond Overflow		
	Boiler Water Treatment — Evapora- tor Blowdown		
	Oll or Coal Fired Plants — Effluent from Air Pollution Control Devices	····	
	Condense Cooling Water -		
	Cooling Tower Blowdown		— П ство
	Manufacturing Process		
	Other		
	Other	in and	· · · ·
21.	Discharge/Receiving Water Temper- ature Difference		N/A
	Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions.		
	(see instructions) Summer	221a	°p
		1.15	
	Winter	2210	Q <sup>#</sup> .
22.	Discharge Temperature, Rate of Change Per Hour	222 I	•F./hour N/A
	Give the maximum possible rate of temperature change per hour of		
	discharge under Operating con-		
	ditions. (see instructions)		
23.	Water Temperature, Percentile Report (Frequency of Occurrence)		-*
	In the table below, enter the		N/A
	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	1 7 5 1	
	- LEARENCA OF ACCRETENCE		10% 5% 1% Maximum
	a. Intake Water Temperature	2232	0 <sup>E</sup> 0 <sup>E</sup> 0 <sup>E</sup> 0 <sup>E</sup>
	(Subject to natural changes) <u>b.</u> Discharge Water Temperature	2230	0F 0F 0F
	<ul> <li>B. Discharge Water Lemperature</li> <li>-</li> </ul>	2230	
24.	Water Intake Velocity	224	feet/sec.
76	(see Instructions)		N/A
25.	Retention Time Give the length of	. 225	minutes
	time, in minutes, from start of water temperature rise to discharge	erash858574524	
	of cooling water. (see instructions)		

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EPA Form 7550-23 (7-73)

· · ·					FORM APPROVED OMB No. 153-R0100
		. DISCHA	RGE SERIAL NUMBER		FOR AGENCY USE
• .	Additional Infern	77110 D			
26. 220	· ·	-1	Information	· · ·	
220		See Attachment B	· ·		
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EPA Form 7550-23 (7-73)

FORM APPROVED OMB No. 158-R0100

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### 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 coby of an official implementation schedule should be attacned 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

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	provements				ISCHE	ED. NO.				
a.	Discharse Serial Number		0 2	4	<u> </u>					
	Affected List the discharge	3011								
	serial numbers, assigned in	1. 1. gur.								
	Section II, that are covered by									
	this implementation schedule,	122.2				•	,			
	•	1000								
ь.	Authority Imposing Require-	may server a								
	ments Check the appropriate		N/A	•						
	item indicating the authority for	24.2	MA H							
	imolementation schedule. If	Contente.		· ·						
	the Identical Implementation	Sec. 2 Sec.								
	schedule has been ordered by	week of the second								-
	more than one authority, check	1.00								
	the appropriate items. (see	10101-0						•		
	Instructions)	A Bester	_							
	Locally developed plan	3015	Loc		• •					
		67.33.6	DARE							
	Areawide Plan *	All Care of	-							
	Basic Plan		🔲 BAS							
										f:
	State approved implementa-	1.00	□sas						-	
	tion schedule	1.11								¥ _
	Federal approved water	A. 1999								-
	quality standards implementa-	4.500								<i>,</i> ·
	tion plan.	1 Sugar	□wqs							
		· (* 3						•		
	Federal enforcement proced-	1. 200								
	ure or action	1 2 2	-							
	State court order		CRT							
		1000	I FED							
	Federal court order	1.2			•					
•		403 G								
	- Facility Requirement, Specify	No.	3-character							
	the 3-character code of those	1.11	(ceneral)							
	listed below that best describes	in the second	(30							
	in general terms the require-									
	ment of the implementation	.301c					,			
	schedule and the applicable six-									
	character abatement code(s)							_		
	from Table II of the Instruction	3014	6-character '			•		-		
	bookist. If more than one		(specific)							
	schedule applies to the facility	in the second	(see Table ii)							
	because of a staged construction	1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000								
	schedule, state the stage of con-	1 Carlos - 17								
	struction being described here									
	with the appropriate general	200					·	<del></del>		
	action code. Submit a separate	1.5								
	Section III for each stage of	100								
	construction planned.	a station	. 9							

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

. . 란 . FOR AGENCY USE 024 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) 2. . ~. 3. Actual Completion (Yr./Mo./Day) 2. Schedule (Yr./Mo. /Day) Implementation Steps . SOJA . . 302a a. Preliminary plan complete 12012  $\sim c_{\rm c}$ 3035 302b 302c b. Final plan submission. 103c. · • 2 . e Final plan complete Tixe 19 . . 3034 3024 d. Financing complete & contract awarded 医白云 3034 . 302= .. Sec. e. Site accuired 758 . . 3031. 3021 f. Begin action (e.g., construction) 3029 20.39 g. End action (e.g., construction) 303h JOZH h. Olscharge Began /250-. 3031 3021 L. Operational level attained 1

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FORM APPROVED OME NG. 150-R0100

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#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

#### SECTION 1. 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	Lecal Name of ADDilcant	101	Southern California Rapid Transit District
••	(see instructions)		
2.	Mailing Address of Applicant (see instructions) Number & Street	102a	425 South Main Street
	City	1026	Los Angeles
	State	102c	<u>CA</u>
	ZID Code	102d	90013
з.	Applicant's Authorized Agent (see instructions) Name and Title	703a	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams) Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1035	600 South Spring Street, Suite 1200
ŧ	City	103c	Los Angeles
	State	1030	<u>CA</u>
	ZID Code	103e	90014
	Telephone	tost	213 <u>489-6941</u> Area Number
4.	Previous Application If a previous application for a National or Federal discnarge per- mit has been made, give the date		Code
	pf 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		Transit Facilities
Printed Name of Person Signing		Title
NE Caraka	· · · · ·	114/15
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 wilfully faisifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any faise, fictitious or fraudulent statement or representation, or makes or uses any faise writing or document knowing same to contain any faise, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

	FDR AGENCY	USE -	
			OFFICE:EPA Region Number
Pecsived	· · · ·		5;2:6
	I-1		This section contains 3 pages.

Fillery Activity (see Interaction)       prod ACENET OIL         Gree dearting in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the seco	•		-
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During (Public, Private of Both Public Ame Private)       133       Care your of the Second Private of the GSA Inventory Control Number         Lossion       If Second Private of the GSA Inventory Control Number       133       Between 6th-7th, and Olive-Hill         Lossion       Issee Street & Number       Issee Issee       Between 6th-7th, and Olive-Hill         Street & Number       Issee Issee       Issee Issee       Issee Issee         Capitor       Issee Issee       Issee Issee       Issee Issee         Prive of the public schemes       Issee Issee       Issee Issee       Issee Issee         Prive of the public schemes       Issee Issee       Issee Issee       Issee Issee         Prive of the public schemes       Issee Issee Issee       Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee Issee			
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Surface water     1074       Groundwater     1076       Other     1077       Total Item 7     1078       "If mere is intake water from "other"     0.3       It mere is intake water from "other"     0.3       It mere is intake water from "other"     0.3       It mere is intake water from "other"     0.3       It mere is intake water from "other"     0.3       It mere is intake water from "other"     0.3       It mere is intake water from gallons per day for the following types of water usage at the facility. (see instructions)     0       Noncontact cooling water     108a       Process water (including contact cooling water)     0       Sanitary water     108a       Other"     0       It may and gallons per day       Other"     0       It may and gallons per day	Municipal or private water system		
Groundwater       107e'       0       thousand gallons ber day         Other       107a       0.3       thousand gallons ber day         Total Item 7       107a       0.3       thousand gallons ber day         *If there is intake water from 'other,' specify the source.       107f       0.3       thousand gallons ber day         *If there is intake water from 'other,' specify the source.       107f       0.3       thousand gallons ber day         *If there is intake water from 'other,' specify the source.       107f       0.3       thousand gallons ber day         *If there is intake water from 'other,' specify the source.       107f       0.3       thousand gallons ber day         *If there is intake water from 'other,' specify the source.       107f       0.3       thousand gallons ber day         *If there is intake water from 'other,' specify the source.       107f       0       thousand gallons ber day         *If there is used at the facility.       5.5       0       thousand gallons ber day         *If there is used at the facility.       5.5       0       thousand gallons ber day         *If there is used at the facility.       5.5       0       thousand gallons ber day         *If there is used at the facility.       5.5       0       thousand gallons ber day         *If there is used at the facil	• • • • • • • • • • • • • • • • • • •		0.3 thousand callons ber cay
Groundwater       0       Inousand gallons ber day         Other       107d       0.3       Inousand gallons ber day         Total Item 7       107e       0.3       Inousand gallons ber day         *If mere is intake water from 'other,' specify the source.       107f       0.3       Inousand gallons ber day         *If mere is intake water from 'other,' specify the source.       107f       0       0.3       Inousand gallons ber day         *If scillty Water Use Estimate average volume ber day in thousand gallons of water volge at the laculaty. Is the instructions)       0       0       0         Noncontact cooling water       108b       0       0       100usand gallons ber day         Process water (Including contact cooling water)       108c       0       100usand gallons ber day         Sanitary water       108d       0       Inousand gallons ber day         Other*       108e       0       Inousand gallons ber day	•	111	thousand gallons per day
Other*     0.3       Total Item 7     0.3       "If mere is Intake water from "other," specify the source.     0.3       Inter*     1074       Samilary water     0       Sanitary water     0       Other*     0       Inter*     0       Inter*     0       Inter*     0	Groundwater	1076	
Total Item 7       0.3       thousand gallons Der day         "If mere is Intake water from "other," Joeclify the source.       107       0.3       thousand gallons Der day         8.       Facility Water Use Estimate average volume Der day for the following lypes of water usage at the facility. (see Instructions)       0       0         Noncontact cooling water       108a       0       0       thousand gallons Der day         Boller feed water       108a       0       thousand gallons Der day       1         Sanitary water       108a       0       thousand gallons Der day       1         Other"       108a       0       thousand gallons Der day       1         Other"       108a       0       thousand gallons Der day       1	Other	15 15 13	
Total Item 7       1074         "If there is Intake water from 'other," specify the source.       1071         "If there," specify the source.       1071         S. Facility Water Use Estimate surge at the lacility. (see Instructions)       0         Noncontact cooling water       0         Boller feed water       108a         Process water (Including contact cooling water)       0         Sanitary water       108d         Other       0         India       0         <		- 11:54	(1) 0.3 reputs of california per day
"If there is intake water from 'other," specify the source.       1071         It The field of the source.       1071         It The field of the source.       1071         It The field of the source.       1071         It The field of the source.       1071         It The field of the source.       1071         It The field of the source.       1071         It of the source.       1071         It of the source.       1071         It of the source.       0         It of the source.	Total Item 7	107E	
* Statility Water Use Estimate         average volume per day in thousand         gallons per day for the facility.         (see Instructions)         Noncontact cooling water         Boller feed water         Process water (Including contact         cooling water         Sanitary water         Other*         Other	"If there is intake water from	1.1.1.1	
<ul> <li>Biller feed water</li> <li>Process water (Including contact cooling water)</li> <li>Sanitary water</li> <li>Other</li> ther,' Joechy the source.</th><th>- 1 · · · ·</th><th></th></li></ul>	'other,' Joechy the source.	- 1 · · · ·	
average volume per day in thousand gallons per day for the following lypes of water usage at the facility. (see instructions)       0         Noncontact cooling water       108a       0         Boller feed water       108b       0         Process water (including contact cooling water)       0       thousand gallons per day         Sanitary water       102d       0         Other*       102e       0         Index       0       thousand gallons per day		143	me l
Iyoes of water usage at the tability:     0       (see Instructions)     0       Noncontact cooling water     108a       Boller feed water     0       Process water (Including contact cooling water)     0       Sanitary water     108a       Other     108a       Itel     0       Itel	a sume volume per day in thousand	· · · ·	
(see Instructions)     0       Noncontact cooling water     108a       Boller feed water     0       Process water (Including contact cooling water)     0       Sanitary water     0       Other     108a       O     108a       O     1000000000000000000000000000000000000	gallons per day for the following lynes of water usage at the facility.	1	
Noncontact coulling contact     It is is     O     thousand gallons per day       Boller feed water     It is     O     it is       Process water (Including contact     It is     O     it is       cooling water)     It is     O     it is       Sanitary water     It is     O     It outsand gallons per day       Other*     It is     O     It outsand gallons per day	(see Instructions)		
Boller feed water     108b     thousand gallons per day       Process water (Including contact cooling water)     0     thousand gallons per day       Sanitary water     108d     0       Other*     108e     0       Index     0     thousand gallons per day	Noncontact cooling water		
Process water (including contact cooling water) 0 thousand gallons per day Sanitary water 0 Other" 0 thousand gallons per day 0 thousand gallons per day 0 thousand gallons per day	Boller feed water		b thousand gallons per day
Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Indexs     Index     Indexs     Indexs     Indexs <th></th> <th></th> <th></th>			
Sanitary water 102d Incusand gallons per day Other" 0 Inter 0 Incusand gallons per day	Process water (including contact cooling water)	108	c thousand gallons ber day
Other" Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other			Yes an and a still as a still as a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a still a sti
O there of thousand gallons per day	Sanitary water	104	
inst thousand gallons per day	Other	108	
	Tous Item 5		thousand gallons per day
	. + VIALINEITI V		
to there are disenarges to Equipment water supply and washdown		108	Equipment water supply and washdown
'others' specify.			
It there is "Sunitary" water use, give	If there is 'Sanitary' water use, give	101	Bh people served
Ina number of people serves. [		1	1.
			•

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FORM APPROVED OME No. 158-R0100

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All Facility Discharges and other Lossest Number and Discharge (les Instructions) Volume Specily the number of discharge points and the volume of water discharged or tost from the facility according to the categories below. Estimate average volume per day in th gallons per day.

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	10991		10312	0
Sanitary wastewater transport system	10501	0	10902	0.
Sform water transport system	109cl		109c2	0.3
Completed sanitary and storm water transport system	10901		10962	0
Surface Impoundment with no effluent	105+1		10912	0
Underground percolation	10311		10912	
Well Injection	10591		10992 m.m3/	Q
Waste acceptance firm	10851		103h2	
Evaporation -	10911".		10912	
Consumption -	103/T 103/T	; <u> </u>	iosiz :	
Other*	10981		103K2	
Facility discharges and volume Total Item 9-	12463	1	10912	·
" If there are discharges to 'other,' specify.	103m1	•   •		

10. Permits, Licenses and Applications

List all existing, pending or genied permits, licenses and apolications related to discharges from this facility (see instructions),

	Issuing Agency	For Agency Use	Type of Permit or License	ID Number	Date Filed Y9/M0/DA	Cate Issued YR/MO/OA	Oate Denied YR/MO/OA	Expiration Date YR/MD/DA
110	1.117. (a)19- <u>5</u> 2-5-7	1997 (b) 1999 - 1999	· · ···· (c) · 多利如何	1999 ( <b>4</b> ) 1999 <sup>(1)</sup>	To alter (a) Altered	S. Same (1) President-	ing signed <b>(S</b> ) in the set	The first of the second
	City of Los Anceles							
	County of						<u> </u>	<u> </u>
2.							<u> </u>	
			·					
з.		$\left[\begin{array}{ccc} 1_{1,1} & \dots & 1_{n-1} \\ 1_{n-1} & \dots & 1_{n-1} \\ 1_{n-1} & \dots & 1_{n-1} \\ \end{array}\right] \xrightarrow{\mathcal{A}_{n-1}} \left[\begin{array}{ccc} 1_{1,1} & \dots & 1_{n-1} \\ 1_{n-1} & \dots & 1_{n-1} \\ \dots & 1_{n-1} \\ \end{array}\right]$			•			<u> </u>
		the second second second second second second second second second second second second second second second se				<u> </u>		

11. Maps and Drawings

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

#### 12. Additional Intermation

IZ Item Number	Information
7/8/9	See Attachment
te te te te te te	

FORM APPROVED OMB No. 153-R0100

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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FOR	AGEN	CY I	JSE

### SECTION IL 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 sew grage 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		025
	<ul> <li>Discharge Serial No. (see instructions)</li> </ul>	2012	
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any,</li> <li>(see instructions)</li> </ul>	2015	Drain, A-146, 5th/Hill Tunnel, A-146, 6th/Olive Operations
	c. Previous Oischarge Serial No. If previous permit application was made for this discharge (see Item 4, Section 1), provide previ- ous discharge serial number.	201c	·
<b>z</b> .	Discharge Operating Oates		7
2.	a. Discharge Began Date If the discnarge described below is in oderation, give the date (within best estimate) the discharge began.	202a	YR MO
	Discharge to Begin Data If the discharge has never occurred but is planned for some future cate, give the date (within best etti- mate) the discharge will begin.	2026	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 Dest esti- mate) the discharge will end.	202e 7,39-	Continuing ,
7.	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.		California 2044
	State	2043	
	County	204b	Los Angeles
5.	(if applicable) City or Town Discharge Point Description	204c	1
	Discharge is into (cneck one); (see instructions)		
	Stream (includes ditches, arroyos, and other intermittent watercourses)	2053	DSTR .
	Lake .		Drke
	Ocean		Öoce .
	Municipal Sanilary Wastewater Transport System		. Ömts
	Municipal Combined Sanitary and Storm Transport System		Пмcs .
			11-1

+ · · · ·	DISCHARGE SERIAL NUMBER
0	025
	FOR AGENCY USE
	FOR AGENCY OF
Municipal Storm water Transport	
System	
west (Injection)	□ WEL .
 Other	
If 'other' is checked, specify	2050
<ol> <li>Discharge Point - Lat/Long Give the precise location of the point</li> </ol>	
of discharge to the hearest second.	2054 34 DEG 2 MIN 30 SEC
Latitude	
Longitude	2050 118 DEG 15 MIN DO SEC
<ol> <li>Discharge Receiving Water Name Name the waterway at the point</li> </ol>	207e Storm Drain to Los Angeles River
of discharge.(see instructions)	<u>Storill Plann</u>
	For Agency Use
	For Agency Use 303e
If the discharge is through an out- fall that extends beyond the shore-	2076
tine or is below the mean low water line, complete item 6.	
water tine, comprete room of	
a. Offshore Discharge	
a. Discharge Distance from Shore	208afeet .
b. Discharge Depth Below Water	
Surface -	2080feet
<ol> <li>Discharge Type and Occurrence</li> <li>Type of Discharge Check</li> </ol>	
whether the discharge is con-	2093 🛛 (con) Continuous
tinuous or intermittent. (see instructions)	- [(int) Intermittent
b. Discharge Occurrence Days Pr	
week Enter the average dum	2090 / days per week
ber of days per week (during periods of discharge) this dis-	
charge occurs.	
c. Discharge OccurrenceMont	
If this discharge normally operates (either intermittenti	
or continuousiy) on less than	
a year-around basis (excludin abutdowns for routine mainte	
nance), check the months du ing the year when the dischar	
ing the year when the discha- is operating. (see instruction	
complete Items 10 and 11 if "inter-	
hittent" is checked in Item 9.4.	
)therwise, proceed to Item 12:	
0. Intermittant Discharge Quantity	N/A thousand nations per discharge occurrence.
State the average volume per dis charge occurrence in thousands	of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th
gallons.	
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<ol> <li>Intermittent Discharge Duratio and Frequency</li> </ol>	
intermittent Discharge Our:	ation 211a N/A nours per day
Per Day State the average number of hours per day th	
discharge is operating.	
n Intermittent Discharge	and 211bdischarge occurrences per day
Frequency State the avera	
number of discharge occur- rences per day during days	
when discharging.	
12. Maximum Flow Period Give	the 10 to 5
17 Maximum ridwreited dife	mum 212 From 10 to

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€? DISCHARGE SERIAL NUMBER FORM APPROVED 025 OMB No. 158-R0100 FOR AGENCY USE Piped discharges to stormdrains from tunnel ctivity Description Give a 2134 preative description of activity 6-7th and Olive/Hill roducing this discharge/(see between structions) west of the Los Angeles River Activities include collection/treatment of seepage, stormwater inflow, washdown, and equipment drainage ¢ Not applicable, Operation activities associated Retivity Causing Discharge For son SIC Coce which describes with Rapid Transit System ne activity causing this discharge. ly the type and maximum nt of either the raw material Gmed (Item 14a) or the product ŀ produced (Item 14b) in the units pecified in Table I of the Instrucion Socklet. For SIC Codes not sted in Table I, use raw material r production units normally used or measuring production.(see instructions) - a. Raw Materials Not Applicable Shared Discharges ٤

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	SIC Code				Nami	2		ہ An	vaximum vount/Day	(See	Table	ŋ	(5	erial Number)	
	. (1)				(2)		!		(3)	1	(4)	· ·		(5)	· · ·
:14a	· <u>[]</u>	,	i					_							
							<u> </u>			+					
					•					1.					
							<u>†                                    </u>			1			Í	<i>.</i>	
					•	•••		•					[		
													1.		
			÷ •	<u> </u>											
			•									•••			

J. Pro	ducts		Maximum	Unit (See Table I)	Shared Discharges (Serial Number)	
	SIC Code	 Name	(3)	[4]		
1145	(1)	 (2)				
_				<u> </u>	 	
		• .			 	

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### FORM APPROVED OMB No. 158-R0100

FOR AGENCY USE											
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#### 16. Mastewater Characteristics

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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
Cpio: 00050		Copper . 01042	
Ammonia 00610		lron 01045	
Organic nitrogen		- Lead 01051	
Nitrate 00620	x	Magnesium 00927	
Nitrite		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	x	Molybdenum 01062	
Sulfide 00745		01067	
Sulfite 00740 -		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	x	Potassium 009 37	<u> </u>
Cyanide 00720 -		Sodium 00929	<u> </u>
Fluoride 00951		Thailium 01059	
Aluminum . 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Bervllium • 01012		Algicides" 74051	
Barium 01007		Chlorinated organic compounds <sup>*</sup> 74052	
Boron 01022	• •	Pesticides • 74053	
Cadmium 01027		Oil and grease 00550	X
Calcium 00916	x	Phenois 32730	<u> </u>
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

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

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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.

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### 17. Description of Intake and Discharge

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FOR AGENCY USE

For each of the parameters listed below, enter in the appropriate box the value of 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, peryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenois, oil and grease,

and chiorine (residual). Effluent Influent . Observed or Expected During Discharge Activity ()bserved at Expected Durlng Nicharge Activ/ty Maximum Value (Intreated Intake Water (I)ally Average) In.Plant Treated Intake Water (1)aily Average) Minimum Value Sample Type ٦ Number of Analyses Daily Average Frequency 6 Analysis Parameter and Code .2174 (\$) (7)(6) (\$) (4)(3) (2) (1)Fiow 300 -300 0 0 Gallons per day 300 00056 pН Units 6.0 8 7.0 00400 Temperature (winter) . + 2<sup>0</sup> + 2<sup>°</sup> c 2<sup>ò</sup>c T.F ¢ +ND 74028 Ŀ Temperature (summer) <u>+</u> 2° + 2<sup>0</sup> c + 2<sup>0</sup> c C ND \* F 74027 Biochemical Oxygen Demand (30D 5-day) ND mg/1 00310 (0)÷, Chemical Oxygen Demand (COD) ND mg/1 00340 (0)Total Suspended (nonfilterable) Solids 150 mg/l 50 10 150 00530 Specific Conductance 1500 200 micromhos/cm at 25" C 200-1500 - -00095 Settleable Matter (residue) .. ml/1 ND 00545

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

بو د میرو و اور و	د از ماد میشند. میشند میشند میشد میشند میشن بید از کینی که وکین و افراد ماده می از مروان می از است مروان می مروان	
	-	FORM APPROVED OMB No. 158-R0100
	DISCHARGE SERIAL NUMBER	FOR AGENCY USE
	025	
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•		: '
17. (Cont'a.) -		
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[	Influent		luent Effluent						
Pirameter and Code	linireated falake Water (j) Water	In-Plant Treated () Intake Water () (Daily Average)	() Daily Average	Minimum Value Observed or Expected During Discharge Activity	MaxImum Value Observed or Spected During Discharge Activity	<ul> <li>Frequency of</li> <li>Analysis</li> </ul>	Aumber of Aualyses	😥 Sample Type	
Oil/Grease 00550	0		10				-		
	•		· · · · · · · · · · · · · · · · · · ·					<u> </u>	
	· · · ·						<u> </u>	     	

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

> Alternate power source for major pumping facility.

> Atarm 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: 

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a. Name of Material(s)

- b. Name and address of manufacturer
- c. Quantity (pounds added per
- million gallons of water treated).

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3a					
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12 N N					
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3.41					
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9b					

			DISCHARGE SERIAL NUMBER
	<u>-</u>		
	d. Chemical composition of these	2190	N/A
•	additives (see instructions).	ł	
(e.g. plan	nolete items 20+25 if there is a thermal du , associated with a steam and/or power g it, steel mill, petroleum refinery, or any o nufacturing process) and the total dischar millfon gallons per day or more. (see ins	eneratio Other ge flow i	on
20.	Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)	220 	N/A
	Boiler Blawdown		
	Boiler Chemical Cleaning		BCCL
	Ash Pond Overflow		APOF
	Boiler Water Treatment — Evadora- tor Blowdown		EPBD .
	Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices		OCFP .
	Condense Cooling Water -		
	Cooling Tower Blowdown		СТВО
	Manufacturing Process		1 _
	Other	1997 - 1997 1997 - 1997 1997 - 1997 - 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	
21.	Discharge/Receiving Water Temper- ature Difference		N/A
	Give the maximum temperature difference between the discharge and receiving waters (or summer and winter operating conditions. (see instructions)		· · · · · · · · · · · · · · · · · · ·
	Summer	221a	
	Winter	2216	°F.
22.	Discharge Temperature, Rate of Change Per Hour	222 "	OF./hour N/A
	Give the maximum Possible rate of temperature change per hour of discharge under operating con- ditions. (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		0 <sub>F</sub> 0 <sub>F</sub> 0 <sub>F</sub> 0 <sub>F</sub>
	<ol> <li>Intake Water Temperature (Subject to natural changes)</li> </ol>	2233	
	b. Discharge Water Temperature	2236	
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 /

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### EPA Form 7550-23 (7-73)

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	DISCHAR	GE SERIAL NUMBER	
		025	FOR AGENCY USE
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26. Additional Inform	nation		
226 Item	-1	Information	
226 Item		· · ·	
	See Attachment B		
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EPA Form 7550-23 (7-73)

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FORM APPROVED OME No. 158-R0100

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### 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 OIFFERENT 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

								Sugar St. T		
	Improvements	300			SCHE	D. NO.			- 1	
			0 2	5	<u> </u>					
	Affected List the discharge	2013								
	serial numbers, assigned in	Call.								
	Section II, that are covered by									
	this implementation schedule.						,			
	(DIS IIII)IIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	ALL MARTY								
•	b. Authority imposing Require-	And the Walter								
	ments Check the appropriate		xx / x	• •						
	Item Indicating the authority for		N/A							
	Implementation schedule. If	Sand Sec.		· ·				•	• •	
	the identical implementation	march							•	
	schedule has been ordered by	Sec. 12.							•	
	more than one authority, check	5 5 5 T						<b>T</b>		
	the appropriate items. (see					•				
	instructions)	A DE ANT								
		-3015								
	Locally developed plan	1								
	Areawide Plan	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	ARE							
		2994	ПВАS							
	Basic Plan								5	
	State approved implement>								• 1	
	tion schedule		🗆 sas						4 -	
								•		
	Federal approved water									
	quality standards implementa-	1000	🗆 was						•	
	tion plan.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	_							
	Federal enforcement proced-	1. 200	DENE							
	ure or action	1	DENE							
		1.2	CRT							
	State court order	19.900								
	Federal court order		ED FED		•					
	4									
	C Facility Requirement. Specify	63832	3-character							
	the Bernaracter code of those									
	Noted Below that best describes	Sec.	(general)				•			
	to general terms the require	1.1.1								
	ment of the implementation	.301c								
	considule and the applicable six-									
	character abatement CODE(S)									
	from Table II of the Instruction	3010	6-character	•		•		•		
	booklet. If more than one		(specific)							
	concerning applies to the facility		(see Table II)							
	because of a staged construction	and the second second	/hos renie		•					
	schedule, state the stage of con-	and the second								
	struction being described here	1 1 1 1 K					** ,			
	with the appropriate general	1200		_			w*	1. Mar.		
	action code. Submit a separate		1							
	Section III for each stage of									
	construction planned.	Same .								

New Facility	•	NEW
		MOO
Modification (no increase in capacity or treatment)		
		INC
Increase in Capacity		
Increase In Treatment Level		INT
		ICT
Both Increase in Treatment Level and Capacity		
		PRO
Process Change		
Elimination of Discharge		ELI
 Elimination of eligence 3		



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<ol> <li>Implementation Schedule and 3. Actual of Provide dates Imposed by schedule and any Indicate dates as accurately as possible. (se Implementation Steps</li> </ol>		d below. amplation (Yr./Mo./Oay)
<ul> <li>A Preliminary plan complete</li> <li>b. Final plan submission.</li> <li>c. Final plan complete</li> <li>d. Financing complete &amp; contract awarded</li> </ul>	and a solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the solar in the	_/
<ul> <li>Site accuired</li> <li>f. Begin action (e.g., construction)</li> <li>g. End action (e.g., construction)</li> </ul>	302e	/ ·
h. Discharge Began	3026// 2031 //-	

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FORM AFPROVEL OME NGL 112-8.1100

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#### 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.	Lesal Name of Applicant	101	Southern California Rapid Transit District
	(see instructions)		
2.	Mailing Address of Applicant (see instructions) Number & Street	1022	425 South Main Street
	City	1025	Los Angeles
	State	- 102c	CA
	ZIP Code	102d	90013
3.	Applicant's Authorized Agent (see instructions) Name and Title	د 102	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams)
			Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1035	600 South Spring Street, Suite 1200
	City	103c	Los Angeles
	State	103d	CÀ
•	Ztp Code	103e	90014
	Telephone	1031	213 489-6941 Area Number
4.	Previous Application If a previous application for a National or Federal discharge per-		Code
	mit has been made, give the date of abolication. Use numeric		_N/A
	designation for date.	104	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	_  102-   Transit Facilities
Printed Name of Person Signing	Title
DE Currence	1021 11/14/55
Signature of Applicant or Authorized Agent	Date Application Signed

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

Wheever, 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	
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YR MO DAY		State
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			026	
6	collity/Activity (see instructions) live the name, ownership, and hysical location of the Diani of ther operating facility where dis-			FOR AGENCY USE
01 67	ner operating facility where the narge(s) cost or will occur.		Tunnel drain, A-171, 7th/Harbor Fwy.	
	Name	1054		
			Southern California Rapid Transit Die	strict
	• •	1	Los Angeles	
		.		
	Ownership (Public, Private of Both Public and Private)	1030		
	Check block if Federal Facility and give GSA inventory Control	105c	O FED .	
	Number	105d		,
	Location Street & Number	105e	7th St/Harbor Freeway	
	Street a Heritori	フナド	Los Angeles	
	City	1051		
	County	1059	Los Angeles	
		1058	California	18
	Stare . I	in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	Operation of Rapid Transit System	
	Nature of Business State the	1064.	operation of Rapid Iransit System	
1	nature of the business conducted at the plant or operating facility.		·	
		1050	AGENCY USE	
		1.1	And the state of the state of the state of the state of the state of the state of the state of the state of the	
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	-	8.4		
-	Facility Intake Water - (see instruc- tions) - Indicate water intake volume	1		6
	per day by sources. Estimate			,.
	average volume per day in thousand	1		Υ.
	Municipal of private water system	- t07a	O thousand sallons per day	-
•	Surface water	1075	0.4 thousand sallons per day	
	Groundwäter	107c	thousand gallons per day	
	Otner	1070	O thousand callons per day	
	Total Item 7	107e	0.4 Incusand Salions per day ,	
-	• •			
	if there is intake water from "other," specify the source.	1071		
	Facility water Use Estimate			
	average volume per day in thousand	1.2		
	sations per day for the following types of water usage at the facility.			·
	(see Instructions)	1080	0	
	Noncontact cooling water	1.00		
	Boiler feed water	1080	thousand gallons per day	
	Process water (including contact cooling water)	1080	thousand gailons per day	
			· · · ·	
	Sanitary water	1020	0 thousand gallons ber day	
	Other	1084	thousand gallons per day	
	Tatai liem #	108 r	thousand gallons per day	
	*1f there are discharges to 'other,' specify.	1089	Equipment water supply and washdo	wit
	If there is "Sanitary" water use, give the number of Dooble served.	10sh	People Served	

### FORM APPROVED OME No. 118-R0100

#### 026

Number of

Discharge

Total Volume Used

or Discharged.

## FOR AGENCY USE

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All Facility Olicharges and other 5. Losses: Number and Discharge (see Instructions) Volume Specily the number of discharge points and the volume of water discharged or let: from the facility according to

the categories below. Estimate average volume per day in thousand gations per day.

gations per day.		Points		Thousand Gal/Day		
Surface Water	109.1		103=2			
Sanitary wastewater transport system	10351		10962	0.		
Storm water transport system	109c1	<u> </u>	103 c2	0.4		
Complied sanitary and storm water transport system	-24€ 109⊄1		109 c2			
Surface Impoundment with no effluent	Test	0	10342	0		
Underground percolation		<u> </u>	10912 .10912	0		
Well Injection	10591	<u> </u>	10992			
: Waste acceptance firm	109h1		109 M2			
Evaporation .	10911		109/2	0		
Consumation .	109/1	<u> </u>	10912			e.
Other*	10281		) 03K2			·
Facility discharges and volume			and for the party of the second second second second second second second second second second second second se	0.4		
Total Item 9.	10311 (1 75.000)		10312		*	
*If there are discharges to fother, f	التحويق ومتعاد المساح					÷
specify.	109ml					· ·

10. Permits, Licenses and Applications

List all existing, pending or denied permits, licenses and adolications related to diseharges 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/DA	Date Denied Y R/MO/DA	Expiration Oate YR/MO/OA
110	(a) (a) (b) (b) (b)	Chely we (b) (che ee	b 100 (c) 第名は2		Station (c) allows	(1)	1992 (9) Barry	<ul> <li>g p f(h)orgala</li> </ul>
1.	City of Los Anceles				-			· -
	County of						_	
2.		合才 经往往单						
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							<u> </u>	

11. Maps and Orawings

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

32. Additional Information

fitz"	Item Number	Information
		See Attachment A
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FORM PPROVED OMB No. 153-R0100

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STANDARD	FORM C	- MANUFACTURING	AND	COMMERCIAL

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### SECTION IL BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section 1, Itom 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 discharges 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	1 026	
	<ol> <li>Discharge Serial No. (see instructions)</li> </ol>	2013	
	D. Discharge Name Give name of discharge, if any. (see instructions)	Drain, Al71, 7th/Flower Tunnel, 7th/ Operations	Harbor Preeway
	C. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section 1), provide Drevi- ous discharge serial number.	2010	۰ ۰
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.	2023 <u>YR MO</u>	ŀ
	b. Discharge to Begin Oate. If the discharge has never necurred but is blanned for some future date. give the date (within best effi- mate) the discharge will begin.	202b <u>90 7</u> YR MO	۲
	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	 t
з.	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.	California	Agency Use
	State .	2043	
•	County	204b Los Angeles	204e
	(if applicable) City or Town	204c Los Angeles	
5.	Discharge Point Description Oischarge is into (Cneck One); (see instructions)		
	Stream (includes offches, arroyos, and other intermittent watercourses)	203a 🗍 STR	
	цэке .	<b>ULKE</b>	
	Ocean	DOCE	
	Municipal Sanitary Wastewater Transport System	[] MTS	
• •	Municipal Combined Sanitary and Storm Transport System	[]mcs	
		1 I - 1	

		DISCHA	ARGE SERIAL NUMBER
•			026
			FOR AGENCY USE
	Municipal Storm Water Transport System	£	STS
	Well (Injection)		JWEL
	· · ·	5	]отн
	Otner l	2050 -	
	If 'other' is checked, specify	· · · · · · · · · · · · · · · · · · ·	- · · · · · · · · · · · · · · · · · · ·
5.	Discharge Point — Lat/Lang Give the precise location of the Point of discharge to the nearest second.		
	Latitude	2063	<u>34</u> DEG <u>2 MIN 30 SEC</u>
	Longitude	2065 .	118 DEG 15 MIN DO SEC
7.	Discharge Receiving Water Name Name the waterway at the point of discharge.(see instructions)	207.	<u>Storm grain to Los Angeles River</u>
tai II-	the discharge is through an Out- II that extends beyond the shore- ie or is below the mean low ater line, complete Item 8-	2075	For Agency Use For Agency Use 303e 207c
8_	Offshore Discharge a. Discharge Distance from Shore	208a	feet -
	b. Discharge Depth Below Water Surface	2010	fect
2	. Discharge Type and Occurrence		
Ī	Type of Discharge Check	205a	配 (con) Continuous
	whether the discharge is con- tinuous or intermittent. (see instructions)		(int) Intermittent
	b. Discharge Occurrence Days per week Enter the average num- ber of days per week (during periods of discharge) this dis- charge occurs.	2095	7_days per week
	C. Discharge OccurrenceMonths	2095	DJAN DEES DMAR DAPR
	If this discharge normally ; operates (either intermittently,		MAY DIUN DIUL DAUG
	or continuously) on less than a year-around basis (excluding	Via tas	
	shutdowns for routine mainte-		
	ing the year when the discharge is operating. (see instructions)	- 24	
	complete I tems 16 and 11 If "inter-		
	tomplete items to and the 9.4. hittent" is checked in Item 9.4. )therwise, proceed to Item 12:		
	0. Intermittent Discharge Quantity	Z10	NI/A showing callings per discharge occurrence.
	State the average volume per dis- charge occurrence in thousands df		
	gallons.		ų.
	11. Intermittent Discharge Duration	1 1 1 1 1 1 1	
	and Frequency a. Intermittent Discharge Duration		N/Z
	<ul> <li>Intermittent Discharge Balanti- Per Day State the average number of hours per day the discharge is oberating.</li> </ul>	211a	
	b. Intermittent Discharge Frequency State the average ourmore of discharge Occur.	211	discharge occurrences per day
	rences der day during days when discharging.	-	
	12. Maximum Flow Period Give the		

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from tunnel

ctivity Description Give a sirative description of activity roducing this discharge.(See structions)

ctivity Causing Discharge For sch SIC Code which describes he activity causing this discharge, inly the type and maximum int of either the raw material med (Item 14a) or the product roduced (Item 14b) in the units becified in Table I of the Instrucon Sockiet. For SIC Codes not isted in Table I, use raw material ir production units normally used or measuring production.(see histocions) west of the Los Angeles River.

Piped discharges to stormdrains

£

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

equipment drainage

ata7th/Harbor Fwy.

Not applicable, Operation activities associated with Rapid Transit System

Not Applicable Shared Discharges Unit Maximum (Serial Number) Amount/Day (See Table I) SIC Code Name (5) (3)... (4) (2). (1) 1.4.3 . . . . . ... -- -. . + - . -----

. Pro	ducts SIC Code		Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
140	(1)		(2)	(3)	(4)	
		i				
	<u> </u>	<u> </u>		<u> </u>	<u> </u>	
			·	<u> </u>	<u> </u>	<u> </u>

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16. Mastewater Characteristics

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

Parameter ::216	Present	Parameter 216	Present
Caior 00080		Capper . 01042	
Ammonia		Iron 01045	
00610 Organic nitrogen 00605		- Lead 01051	
Nitrate 00620	x	Magnesium 00927	
Nitrite		Munganese 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		<u> </u>
Cyanide 00720 -		Sodium 00929	X
Fiuoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium • 01012		Algicides" 74051	<u> </u>
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022	••	Pesticides* * *	
Cadmium		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.

difference and a set of the set

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 Intike and Discharge

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For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for tsee 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, beryillum, caomium, chromium, coboer, lead, mercury, hickel, selenium. Zinc, phenois, oil and grease, and chlorine (residual).

THE CHICKNE (LENGERIN			<u> </u>					
	. Influent		Effluent					
Parameter and Code	Untreated Intake © Water (Daily Average)	In-Plant Trealed Juliake Water (Daily Average)	G Daily Avcenge	Altainnun Value Observed or E Expected During Discharge Activity	Maximum Vetue Observed or Expected During Discharge Activity	Frequency of Analysis	Annher of Analyses	So Sample Type
Fiow*		Ö	7 - 2	0	n, wr −1		11	
Gailons per day 00056 •	400 <sup>-</sup>	0	400	0	400	Annual_		
pH Units 00400	7.0			6.0.	8.0			
Temperature (winter) * F 74028	ND		<u>+</u> .2 <sup>0</sup> c	+ 2° c	+ 2 <sup>°</sup> c			
Temperature (summer) • F 74027	ND		+ 2° c	<u>+</u> 2 <sup>°</sup> c	' <u>+</u> 2 <sup>°</sup> c	(		
Biochemical Oxygen Demand (BOD 5-day) mg/i 00310	ND (0)				_			
Chemical Oxygen Demand (COD)' mg/l 00340	ND (O)				_			
Total Suspended (nonfilterable) Solids mg/l 00530	150		50	10	150			-
Specific Conductance micromhos/cm at 25° C 00095	2001500	• •		200	1500			
Settleable Matter (residue) ml/1 00545	ND		-	•.		•		

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

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· ·	• •	FORM APPROVED OMB No. 158-R0100
	DISCHARGE SERIAL NUMBER	FOR AGENCY USE
· · ·	··• · · ·	
17. (Cantal) -	· · · · · · · · · · · · · · · · · · ·	
	Influent .	Effluent
	: 30	0 80

	Parameter and Code	Unireated Inlake Water (Daily Average)	In-Plant Treated [] Inlake Waler ([]aily Average)	Daily Average	Minimum Value Observed or Expected Durlin Discharge Activity	Maximum Value Observed or Expected Durin Discharge Activ	Frequency of Analysis	Aunther of Austrace	Sample Type
	Oil/Grease 00550	_ 0		10	<u>0</u>	- 10	Annual .		
-									
-	•						 		
• .			<u> </u>	- ·	•				

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 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.

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a. Name of Material(s)

- Name and address of manufacturer
- Quantity (pounds added per million gallons of water treated).

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	APS				
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es Adel e servere e servere e servere e servere e servere e servere e servere e servere e servere e servere e s	Ser .				
	an and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	•			
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DISCHARGE SERIAL NUMBER FOR AGENCY USE 026 N/A d. \_Chemical composition of these 219d additives (see instructions). 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, pr any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions) 20. Thermal Discharge Source Check 220 N/A the appropriate item(s) indicating the source of the discharge. (see Instructions) . . 2. - 8LBO Boiler Blowdown i.. . BCCL **Boiler Chemical Cleaning** APOF Ash Pond Overflow EPBO Boiler Water Treatment - Evaporator Blowdown OCFP Oil or Coal Fired Plants -- Effluent from Air Pollution Control Devices .... ONOD Condense Cooling Water ... CT80 Cooling Tower Blowdown رين Manufacturing Process OTHR Other 21. Discharge/Receiving Water Temper-N/A ature Difference Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions) 0<u>F</u> 221a Summer 0g 221b Winter 22. Discharge Temperature, Rate of N/A <sup>0</sup>F./hour 222 ; Change Per Hour 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) ÷., 1 5% 1% Maximum Frequency of occurrence 10% ٥<sub>F</sub> .°F 0<sub>F</sub> ٥<sub>F</sub> a. Intake water Temperature 2234 (Subject to natural changes) ۰. A. . . . . . . o F o<sub>F</sub> o<sub>F</sub> °F 2238 b. Discharge Water Temperature 224 feet/sec. 24. Water Intake Velocity N/A 1 (see Instructions) 23. Retention Time Give the length of 225 minutes seense tu kiki time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions)

11			GE SERIAL NUMBER	OMB No. 153-R01
		DISCHAR		FOR AGENCY US
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26. A	Additional Informa	ition	Information .	÷
226	item -			
_		See Attachment B		
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## STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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## . 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 attacned to this application. IF YOU ARE SUBJECT TO SEVERAL DIFFERENT IMPLEMENTATION SCHEDULES. EITHER BECAUSE OF DIFFERENT LEVELS OF AUTHORITY IMPOSING DIFFERENT SCHEDULES (Item 12.) AND/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

•											
	improvements	300						san e	n an de la compañía de la compañía de la compañía de la compañía de la compañía de la compañía de la compañía En grande de la compañía de la compañía de la compañía de la compañía de la compañía de la compañía de la compañí		
••	<ul> <li>Discharge Serial Number Affected List the discharge wriat numbers, assigned in</li> </ul>	3012	_02	<u>}</u>	6	<u>e</u>	<u> </u>				
	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		n/a				•		•	· · ·	• • •
	instructions)		LOC								
	Locally developed plan	301Þ	ARE								
	Areawide Plan		BAS								
	State approved Implementa- tion schedule		[]sas								n 1-
	Federal approved water quality standards implementa- — tion plan-		Dwas								,
	Federal enforcement proced- ure or action										
	State court order		CRT								
	Federal court order		FED .			· ·					
	E Facility Requirement, Specify the 3-character code of those listed below that best describes in general terms the require-		3-character (general)								
	ment of the implementation schedule and the applicable six- energy er abatement code(s)	.301c					*				
	from Table II of the Instruction booklet. If more than one schedule applies to the facility because of a staged construction	301d	6-character (specific) (see Table II			•	•		_		
	schedule, state the stage of Con- struction being described here with the appropriate general						۰.	ر ۲۰ ۲۰۰۰ -	و الارد		
	action code. Submit a separate Section iii for each stage of construction planned.	-									

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

· · · · ·	026								
2. Implementation Schedule and 3. Actual C	ompletion Dates actual dates of completion for implementations (Instructions)	taps listed below.							
Provide dates imposed by schools are used indicate dates as accurately as possible. (see	2. Schedule (Yr./Ma./Day) 3. A	Actual Completion (Yz./Mo./Day)							
<ul> <li>Preliminary plan complete</li> <li>D. Final plan submission.</li> </ul>	3022 3032 3032 3032	/							
<ul> <li>c. Final plan complete</li> <li>d. Financing complete &amp; contract awarded</li> </ul>	302c 303c	//							
e. Site accuired f. Begin action (e.g., construction)	302e/ 303e	/ ·							
g. End action (e.g., construction)	3029/ 3039	/							
h. Discharge Began L. Operational level attained	302h 102h	/							

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FORM APPROVEL OME No. 113-R0100

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### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

### SECTION 1. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If all 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	101	Southern California Rapid Transit District
	(see instructions)		
2.	Mailing Address of Applicant (see instructions) Number & Street	1023	425 South Main Street
	City	1025	Los Angeles
	State	1020	<u>_CA</u>
	ZID Code	1026	90013
з.	Applicant's Authorized Agent (see instructions) Name and Title	1033	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams)
			Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1035	600 South Spring Street, Suite 1200
	City	103c	Los Angeles
	State	103d	<u>CÀ</u>
	ZID Code	103e	90014
	Telephone	1001	213 489-6941 Area Number
4,	Previous Application If a previous application for a National or Federal discharge per-		
	National of 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.

Director of Engineering J.E. Crawley Facilities Transit 102# Title Printed Name of Person Signing · ;•--: 1021 **Date Application Signed** Signature of Applicant or Authorized Agent

#### 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 faisifies, 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	· ·
			CFFICE:EPA Region Number
Peterved	· ·		State
		[-]	This section contains 3 mades.

*				
· ·			031	
<ul> <li>Fishty/Activity (see instructions)</li> <li>Give the name, ownershio, and</li> <li>physical location of the Diant or</li> <li>other operating facility where dis- charge(s) does or will occur.</li> </ul>	1			FOR AGENCY USE
Name	1052		136. Union Station	
		Southern Cal	lifornia Rapid Transit	District
• •	1.	Los Angeles		
	· ·			
Ownership (Public, Private of Both Public and Private)	1058	2,00 Q 4	89P	
Check block if Federal Facility and give GSA Inventory Control	105c	0 FED		
and give GSA inventory control	1050	<u> </u>		
Location		EAst of Macy	Alameda Street	
Street & Number	105e			
City	1057 (	Los Angeles		
County	1054	Los Angeles		
· · · · · ·	1055	California		
State . 1	1. 44 1. 1. 47 1. 1. 47 1.	1	Rapid Transit System	
6. Nature of Business State the	1064.)		Radid Hansh, System	
nature of the business conducted at the plant or operating facility.	144			
	1058	AGENCY USE		
		and the second	77	· · ·
· · · · · ·	···			
7. Facility Intake Water (see instruc-	مىرى بىلى ئۇرىغا يىلى دار	• 、 •	·	,
tions) Indicate water intake volume		* *	**	(°
per day by sources. Estimate average volume per day in thousand gations per day.		0	·	1
Municipal or private water \$35tem	-107a		ousand sallons per day	
Surlace water	1075		ousand gallons der Cay	
Groundwätzr	107e	0	ousand Gallons per day	
Other	1074		ousand Gallons Der day	
	107e-	3:7th	ousand gallons der day	
Total ttem 7	1.7.4			
*If there is intake water from "other," specify the source.	1071			
<ol> <li>Facility water Use Estimate average volume per day in thousand</li> </ol>				
gallons Der Cay for the following types of water usage at the facility.				
(see Instructions)	1 1			
Noncontact cooling water	1084	1 th	ousand gallons per day	
Boller feed water	1010	tr	outand gallons per Day	
Process water (Including contact			,	
cooling water)	1080	tr	nousand gallons per day	
Sanitary water	1024	u	rousand gallons per day	
	108+	· <u> </u>	housand gallons per day	
Otner			•	
, Total Item 8	1081	:	nousand gelians per day	
"If there are discharges to "others" specify.	1089	Equipmer	nt water supply and was	hdown
If there is "Sanitary" water use, give the number of people served.	1081	·   •	eable served	
		- 1-2		

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### FORM APPROVED OMB No. 155-R0100

FOI	A A	G٤	N C	Y	U:	۶E
$\square$						

All Facility Olsenarges and other
All Facility Ortenary of See Losses: Number and Oischarge (see Instructions) Volume Specify the
and at stenarge bounds the
volume of water discharged or tost from the facility according to
the Categories Detow, Estimate average volume per day in thousand
galions per day.

. . . . .

9.

tos: from the facility according to the categories below. Estimate average volume ber day in thousand gallons per day.	Number Discha Poin	s primari si j	or Discharged. Thousand Gal/Day		
Surface Water	102210	]103±2 -	0.		
Sanitary wastewater transport system	10981		3.7		
Storm water transport system	103e1	.10962	· .		
Completed sanitary and storm water transport system	10901	10942	'		
Surface Impoundment with no effigent	109=1	109e2	0		
Underground percolation	10911	109tZ	0	· . ·	
Well Injection	10391	10592			
waste acceptance firm	109h1	109hZ 品語語(中) 109f2			
Evaporation				- 7	
Consumption	10000	10982		٠	
Other - ·	1	10912	3.7		
Total Item 9.	10911'2 	(10912.7	****		<u> </u>
<ul> <li>If there are discharges to 'other,'</li> <li>specify-</li> </ul>	109ml				1

all existing, pending or denied permits, licenses and adolications related to discnarges from this facility (see instructions), 10. Permits, Licenses and Applications [ Expiration ]

,	tist all existing, i	pending of defined pe	Type of Permit	IO Number	Oate Filed	Date Issued	Date Denied	Date YR/MO/DA	
	Issuing Agency	For Agency Use	ar License		YR/MO/DA	YR/MO/OA	YRMO/DA		
ter and	e e fantanîse în	[], x, ( <b>b</b> ) () is a s	- m (e) ##15:	ا بې د (۵) د د ا	(n marie (a) attende	h in state (1) in setting	1794-190 - 1903 - 1903 - 1		•
110	City of				-	-	-		
1.	County of	and a start start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start of the start	<u>'</u>					<u> </u>	-
2.	<u>lös znçetes</u>	<b>公司 编辑</b> 的第三			<u> </u>	<u> </u>	1	<u> </u>	
4.			1		<u> </u>	<u> </u>		1	
3.		the state of the second			· · ·	<u> </u>	<u> </u>		1
							<u> </u>	<u> </u>	

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Total Volume Used

Attach all required maps and drawings 10 the back of this application.(see Instructions) 11. Maps and Drawings

12.		nal information		Information 1		
	112	Item Number				
		7/8/9	See Attachment A			
			· · ·		•	
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FORM PPROVED OMB No. 153-R0100

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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### SECTION IL BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section 1, 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		031	
	a. Discharge Serial No. (see instructions)	201a		
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any,</li> <li>(see instructions)</li> </ul>	2015	Drain, A-135-136, Union Station 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.	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	<u> </u>	
	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.	2020	<u>90 7</u> YR MO	1
	<ul> <li>Discharge to End Date. If discharge is scheduled to be discontinued within the next 5 years.</li> <li>give the date (within best estimate) the discharge will end.</li> </ul>	202c	Continuing	<i></i>
2,	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.		California	Agency Use
	State .	204a	Los Angeles	
	County	2046		- , :
	(if applicable) City or Town	204c	Los Angeles	2041
5.	Discharge Point Description Discharge is into (check ohe); (see instructions)			
	Stream (includes ditches, arroyos, and other intermittent watercourses)	205a		
	цаке .	1	DLKE .	
	Ocean		Doce .	
	Municipal Sanitary Wastewater Transport System		⊡mts	
	Municipal Combined Sanitary and Storm Transport System		Шмсs	
			U-1	

•	DISCHARGE SERIAL NUMBER
•	031
	FOR AGENCY USE
Municipal Storm Water Transport System	X STS
Weit (Injection)	
Other	· · · · · · · · · · · · · · · · · · ·
If fother is checked, specify	2050
- Charter and Give	
6. Discharge Point - Lat/Long Give the precise location of the point	
of discharge to the nearest second.	2064 34 DEG 2 MIN 30 SEC
Latitude	
Longitude	2050 118 DEG 15 MIN 00 SEC
7. Discharge Receiving Water Name Name the waterway at the point	207: Storm Drain to Los Angeles River
of discharge.(see instructions)	<u>Storill Druth</u>
	For Agency Use
	For Agency Use
If the discharge is through an out- fall that extends beyond the shore-	207b Major Minor Sub 207c
line or is below the mean low	
water line, complete item 8.	
a. Offshore Discharge	
a. Discharge Distance from Shore	208afeet
b. Discharge Depth Below Water Surface	20%Dfeet
•	
5. Discharge Type and Occurrence	
<ul> <li>Type of Discharge Check whether the discharge is con-</li> </ul>	203a 🕅 (con) Continuous
tinudus or intermittent.	· (int) Intermittent
(see instructions)	
<ul> <li>Discharge Occurrence Days Ber Week Enter the average num-</li> </ul>	2090 Zays Der week
per of days per week (during	
periods of discharge) this dis- charge occurs.	
<ul> <li>Discharge Occurrence —Months ( If this discharge normally ;</li> </ul>	2096 JAN OFEB OMAR DAPR
operates (either intermittently, or continuously) on less than	DAAT DIUL DAUG
s vest-around basis (excluding	
shutdowns for routine mainte- nancel, check the months dur-	DSEP DOCT DINOV LIDEC
ion the year when the discharge	
is operating. (see instructions)	
complete items 10 and 11 if "inter- nittent" is checked in item 9.a.,	
Stherwise, proceed to Item 12.	
· •	
<ol> <li>Intermittent Discharge Quantity State the average volume per dis-</li> </ol>	210 N/Athousand gallons per discharge occurrence.
charge occurrence in thousands of	a the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec
gallons.	
11. Intermittent Discharge Duration	
and Frequency	ZIIa N/A hours per day
and Frequency	
and Frequency a. Intermittent Discharge Duration Per Day State the average number of hours per day the	
and Frequency a. Intermittent Discharge Duration are Day - State the average	
and Frequency a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating. D. Intermittent Discharge	
<ul> <li>and Frequency</li> <li>a. Intermittent Discharge Duration Per Day State the average number of nours per day the discharge is operating.</li> <li>b. Intermittent Discharge Frequency State the average</li> </ul>	211bdischarge occurrences per day
and Frequency a. Intermittent Discharge Duration per Day State the average number of nours per day the discharge is operating. b. Intermittent Discharge Frequency State the average number of discharge occur rences per day during days	
and Frequency a. Intermittent Oischarge Duration Per Day State the average number of hours ber day the discharge is operating. b. Intermittent Oischarge Frequency State the average number of discharge occur	211bdischarge occurrences per day

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•	DISCH .	ARGE SERIAL P	NUMBER	£.	OMB No.	PROVED 158-R0100 ENCY USE			
ctivity Description Give a strative detendition of activity odducing this discharge.(see structions)	2133	East of M	acy/Alame		ains from Stat	ion			
			stormwate	er inflow,	n/treatment of washdown, and				
activity Causing Discharge For Joh SIC Code which describes		Not appli with Rapi	icable, O	peration ac t System	ctivities assoc	ciated	-		
ne activity causing this discharge. If the type and maximum int of either the raw material sumed (Item 14a) or the produ- 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 or production units normally used for measuring production.(see instructions)			· ·		•	•	1 		
	pplicable Name	•	Maximum Amount/Oay	Unit (See Table I)	Shared Discharg (Seriai Number	es ]		و	- ₹
SIC Code	(2)		(3)	(4)	(5)		-	,	
				· ·			- ·		

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b. Pro	•	Name	Maximum Unit Amount/Oay (See Table I	Shared Discharges (Serial Number)
	SIC Code			
2140	(1)		(3) (4)	

472 DISCHARGE SERIAL NUMBER

031

FORM APPROVED OMB No. 158-R0100

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### 16. Mastewater 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)

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Purameter :216	Present	Parameter 216	Present
Coio:		Copper . 01042	
Ammonin 00610		lron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620	x	Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phasphorus 00665		Mercury 71900	
Sulfate	x	Molybdenum 01062	
Sulfide 00745		Nickel 01067	<u> </u>
Sulfite 00740		Selenium 01147	
Bromide		Silver 01077	
Chloride 009+0	x	Potassium 00937	x
Cyanid± 00720 -		Sodium 00929	X
Fiuoride 00951		Thallium 01059	
Aluminum		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zine 01092	
Beryllium • 01012		Algicides" 74051	
Barium 01007		Chlorinated organic compounds= 74052	
Boron 01022		Pesticides= 74053	-
Cidmium		Oil and grease 00550	2
Caleium 00916	x	Phenols	• . • •
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

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For each of the parameters listed below, enter in the appropriate box the value or code tetter answer called for lise 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, coamium, chromium, cooper, lead, mercury, nickel, selenium, zinc, phenois, oil and grease,

and chlorine (residual). ъ. Effluent . Influent . Maximum Value Ohserved or Expected Duding Discharge Activity ()bserved or Expected Buring Diveharge Activity (Intreated Intake Water (I)aily Average) In-Plant Treated Intake Water (1)aily Average) Atinimum Value Frequency of Analysis Sample Type Daily Average Number of Analyses Parameter and Code 217a (7) (3) (6) (5) (4)(3) (2)  $(1)^{-1}$ Flow 59,200 Gallions per day 3700 0 1 0 Annual 3700 00056 pН . Units . . 00400 8 .0 7.0 6.0 Temperature (winter) + F + 2° + 2° 2°c ND + С С 74028 ħ Temperature (summer) <u>+</u> 2° 2<sup>0</sup> + 2<sup>°</sup> \* F NDC С С ÷ 74027 \_--Biochemical Oxygen Demand (BOD 5-41Y) mg/l ND 00310 (0)Chemical Oxygen Demand (COD) mø/l ND 00340 (0)Total Suspended (nonfilterable) Solids mg/l 50 10 150 150 00530 . Specific Conductance micromhos/cm at 25\* C 200 1500 200-1500 <u>.</u>\_--00095 Settleable Matter (residue) . ' mi/1 ND 00545 Ē

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

•	FOR: OMB	N AF	PRC 158-	R0	D 100
		-	NCY		

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DISCHARGE SERIAL NUMBER

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17. (Cant'd.)

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

 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 of the discharge is treated with any conoltioner, inhibitor, or algicide, answer the following:
  - a. Name of Material(5)
  - Name and address of manufacturer

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

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2136				
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			DISCHARGE SERIAL NUMBER 031	FOR AGENCY U
				TITIT
	d. "Chemical composition of these	2194	N/A	
	additives (see instructions).		· · · · ·	
(e.g. plan	nolete items 20-25 if there is a thermal d , associated with a steam and/or power ( t, steel mill, petroleum refinery, or any - urlacturing orocess) and the total dischar nillion gallons ber day or more. (see ins	jeneratioi Other ige flow is		
	Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)	229	N/A	
	Boiler Blowdown			
	Boiter Chemical Cleaning			
	Ash Pond Overflow			
	Boiler Water Treatment — Evadora- tor Blowdown		Перво .	
	Oit or Coal Fired Plants — Effluent from Air Pollution Control Devices			
	Condense Cooling Water - •			
	Cooling Tower Blowdown		Ство	
	Manufacturing Process			
	Other		-	
21.	Olscharge/Receiving Water TemDer- ature Difference		N/A	
	Give the maximum temperature difference between the discnarge and receiving waters for summer and winter operating conditions.		· .	l
	(see instructions)	221a	°F.	
	Winter .	221b	°F.	, *
22.	Discharge Temperature, Rate of Change Per Hour	222	OF./hour N/A	
	Give the maximum possible rate of temperature change per hour of . discharge under operating con- ditions. (see instructions)			
	Water Temperature, Percentile			
Z.J.	Report (Frequency of Occurrence)		N/A	
	temperature which is excessed 10% of the year, 5% of the year, 1% of			
	the year and not at all (maximum yearly temperature). (See instructions	1 1 1		
	Frequency of accurrence		10% 5% 1% Maximum	
	a. Intake Water Temperature	2233	0 <sub>F</sub> 0 <sub>F</sub> 0 <sub>F</sub> .0 <sub>F</sub>	
	(Subject to natural changes) b. Discharge Water Temberature	2235	o <sub>F</sub> o <sub>F</sub> o <sub>F</sub> o <sub>F</sub>	
		1.20		
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	

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EPA Ferm 7550-23 (7-73)

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• •	Additional Inform	ation
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225	Item	
		See Attachment B
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EPA Form 7550-23 (7-73)

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FORM APPROVED OMB No. 158-R0100

FOR AGENCY USE								
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## 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 DPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE.

	I								
Improvements	300				SCHE	D. NO.	an with the second	A	
a. Discharge Serial Number Affected List the discharge serial humbers, assigned in Section II, that are covered by	301a	0	3		<u>h: . ():</u>				· .
<ul> <li>this implementation schedule.</li> <li>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</li> </ul>		N/A		 			•	. · 	• • •
the appropriate items. (see Instructions)	3016			=			ł	•	
Locally developed plan	1. 2. 1. 1. 1.	DARE							
Areawide Plan	A CONTRACT	_							
Basic Plan	8. A.	BAS							f.
State approved Implement> tion schedule		⊡sas							¥
<ul> <li>Federal approved water quality standards implementa- tion plan.</li> </ul>	-	[]was	1						
Federal enforcement proced- ure praction									
State court order									
Federal court order		FEO	1		· ·	• •			
c. Facility Requirement. Specify the 3-character code of those listed below that pest describes in general terms the require-		3-chara (gene							
ment of the implementation schedule and the applicable six- character abatement code(s) from Table II of the instruction	3016		-					-	
booklet. If more than one schedule applies to the facility because of a staged construction		(spec	(fic)		•				
schedule, state the stage of con- struction being described here with the appropriate general action code. Submit a separate						•-	er j	a. 16a	
Section Code. Submit a separate Section III for each stage of construction planned.	1250	äl ——							

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

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Implementation Schedule and 3. Actual Completion Dates 2.

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

2. Schedula (Yr./Mo./Day) 3. Actual Completion (Yr./Mo./Day) . . . . Implementation Steps

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III-2

L Operational level attained

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FORM AFFROVEI OML No. 118-RUISI

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### 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.	LESAL Name of Applicant	101	Southern California Rapid Transit District
	(see instructions)		
2.	Mailing Address of Applicant (see instructions) Number & Street	102a	425 South Main Street
	City	1625	Los Angeles
	State	102c	CA
	ZIP Code	1024	90013
3.	Applicant's Authorized Agent (see instructions) Name and Title	1032	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams)
			Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1635	600 South Spring Street, Suite 1200
	City	103c	Los Angeles
	State	1030	_CÀ
	Zip Code	103e	90014
	Telephone	1031	213 <u>489-6941</u> Area Number
4.	Previous Application If a previous application for a National or Federal discharge per-		
	mit has been made, give the date		N/A
	designation for date.	104	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	
Printed Name of Person Signing	Title	
AE CARLEAN	1021 11/14/11	
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 wilfully faisifies, 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
Pacaived	•••	S:ate
** 180- <u>-</u>	1-1	This section contains 3 pages.

				032 ·	
1. Fr	colling/Activity (see instructions)				FOR AGENCY USE
G	Ive the name, ownershid, and hysical location of the plant of				
01 01	nysical location or the plant of ther operating (activity where dis-				
67	harge(1) Goes of will occur.		Drain, A-1	42-147, Civic Center St	
	Name	1054			
		· _	Southern	California Rapid Trans	it Dictoich
	• •				CONTRACTOR DEC
		· 1	Los Ange	les	
1		•			
	Ownersalo (Public, Private or	1	Same Dans	ВРР	
	Both Public and Privale)	1055			
	Check block if Federal Facility	105c	C FED		
	and give GSA Inventory Control	12.2.2			
	Number	1050			
		1.1	North of	lst. St. on Hill	
	Location	105e	NOLUI OL .	ISC. SC. ON HILL	
	Street & Number	29-2			
	City	105r 1	Los Angele	ag	
	•	1	Los Angele	Q	
	County	1059.			
	State	105h	California		1
	atait . 1	1 440 (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		· · · ,	
6. T	Nature of Business State the	1064.1	operation of	of Rapid Transit System	
· · ·	nature of the pusiness conducted				
4	at the plant or operating facility.	- 44	·		
		1050	ACENCY	1157	
		1010			
•	• • •		·		
7.	- Faeillty Intake Water (See instruc	الم المعرفي الم الم المعرفي الم الم الم المعرفي الم الم		. ·	
	tions) Indicate water intake volume				h.
1	per day by sources. Estimate				
	average volume per day in thousand	- <u>-</u>		· .	¥
:	Municipal of Private water system	1073	0	- thousand salions per Cay	-
	MARINAL OF PRESE WALLSTREET		3.4	-	
	Surface water	1075		thousand callons ber Cay	
	Groundwater	107c	0	. Thousand Gallons per day	
	Other"	1074		, thousand gallons per Gay	
	Cara	100 - 11 110 - 12			
	Total Item 7	107e	3.4	thousand gailons per day	
	i viai iteni /				
	If there is intake water from		- ,		
	'other,' SDecify the Soulat.	1071			
	_		•		
8.	Facility water Ute - Estimate average volume per Cay in Inousand	N			
	eations per day for the following	1.18			
	lypes of water usage at the facility.	1.1.1.1			
	(see instructions)	1	0		
	Noncontact Cooling water	1083		<ul> <li>Indusand gallons per day</li> </ul>	
	Boller feed water	1488 B	. 0	- thousand gallons per day	
	Pollet issa myret .				
	Process water (including contact	書書		1	
	cooling water)	108c		Thousand gallons per day	
			. 0	4	
	Sanitary water	1034		— Inousand gallons Der Gay	
	Other*	102.0	. 0	- thousand gallons per day	
	up better e	1.000	0 -	HIGUJANG YANDIS PEL GAT	
	. Total Item 8	1081		- Inousand gallons per day	
	•				
	"If there are discharges to		Equip	ment water supply and w	
	"atnet." toecity,	IOEg		and which and w	ashoown
	If there is "Sanitary" water use, give	$\ \cdot\cdot\cdot\ $			
	the number of Deople Served.	1080		_ Deople letved	
	the herricate at a second second				
		- ÷	•	I-2	S.C.R.T.D. LIBRA

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### FORM APPROVED OME No. 158-R0100

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est from the facility according to ne categories below. Estimate verage volume per day in thousand allons per day.	c	umber of Discharge - Polnts		Total Volume Used or Discharged. Thousand Gal/Day O			
Surface Water	10931 _		10312		••		
Sanllary wastewater transport	10951	0	1 20902	0.			
system		1		3.4			
Storm wäter transport system	109c1 _		109c2				
Complete sanitary and storm	10941	0	105d2				
water transport system							
Surface Impoundment with ho effluent	109e1 _		103e2	0			
Underground percalation	10311		10912		• .		
	10991	0	10992		-		
Well Injection	10391 -		1. m K				
Waste acceptance firm	toshi .	0	109h2	Q	-		
Evaporation	10311	_0	10512	0	-		
Consumption -	10911		l 10512 ( )		-	6 1	
Charles 1	2000 1000 1000 1000 1000		1 09 KZ			·	
Ctner*		_					
Facility discharges and volume Total item 5.	[]]] []] []] []] []] []] []] []] []] []	<u> </u>	10912 /	3.4	-		Ē.
Lotar stem at	1 Same		5	1			,
= If there are discharges to 'other,' specify.	103m1						

Expiration Date Date Oata Type of Permit Oate Issued Oenied Filed IO Number For Agency Use YR/MO/DA Issuing Agency YR/MO/DA or License YR/MO/DA Y9/MO/OA The (c) that is the (d) and is a strice want is see (1) when the set of the set 1. (a) new to the last (b) (2) he set 110 . — City or \_ ----1. los Angeles \_ ·\* County of -\_ os herei z. and the second . 1 • • . مىيەر بىرىمە ئىم مەرىكىمىيەر مەرىكىمىيەر مەرىكىمىيەر مەرىكىمىيەر مەرىكىمىيەر مەرىكىمىيەر مەرىكىمىيەر مەرىكىمىيەر مەرىكىمىيەر مەر з. 

11. Maps and Orawings

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**.**... a. . . . ۰.

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

### 12. Additional Information

All Facility Olsenarges and other

Losses: Number and Oischarge (see Instructions) Volume Specily the

3.

ូវរដ	Item Number	Information
	7/8/9	See Attachment A
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### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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### SECTION IL BASIC DISCHARGE DESCRIPTION

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Complete this section for each discharge indicated in Section I, Item 9, that is to sufface waters. This includes discharget to municipal sewerage systems in which the wastewater does holl go through a treatment works prior to being discharged to sufface waters. Oischarges to wells must be described where there are also discharges to sufface waters from this facility. SEPARATE DESCRIPTIONS OF EACH OISCHARGE 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.

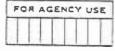
1.	Discharge Serial No. and Name		000
	a, Oischarge Senal No. (see instructions)	201a	032
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any,</li> <li>(see instructions)</li> </ul>	2015	Drain, A-142-147, Civic Center Station Operations
	c. Previous Discharge Serial No. If previous permit application was made for this discharge (see item 4, Section I). Provide previ- ous discharge serial number.	201c	
2.	Discharge Operating Dates		<del>,</del>
	a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	2023	
	b. Discharge to Begin Date If the discharge has never occurred but is Dianned for some future date, give the date (within best esti- mate) the discharge will begin.	2026	<u>90 7</u> Ук мо
	c. Discharge to End Date 3f 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 TR MO
3.	Engineering Report Available Check if an engineering report is available to reviewing agency upon reduest. (see instructions)	203	
4.	Discharge Location Name the Doitical bdundaries within which the point of discharge is located.		AgenCy Use
	- State -	204a	California 2044
	County	2046	Los Angeles
	(if applicable) City or Town	204c	Los Angeles 2041
5.	Discharge Point Description Discharge is into (cneck one); (see instructions)		
	Stream (includes ditches, arroyos, and other intermittent watercourses)	205a	
	Lake '	•	- CLKE
	Ocean		DOCE
	Municipal Sanilary Wastewater Transdort System		□mts
	Municipal Combined Sanitary and Storm Transport System		⊡mcs II-1

•	•	DISC	HARGE SERIAL NUMBER
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			FDR AGENCY USE
	Monicipal Storm Water Transport System	:	STS -
	Well (Injection)		
	Other		
	If 'other' is checked, specify	2050	
6.	Discharge Point — Lat/Long Give the precise location of the Point		
	of discharge to the nearest second.	2064	34 DEGMIN _30_SEC
	Latitude		118 DEG 15 MIN 00_SEC
	Longitude	2065	
7.	Discharse Receiving Water Name Name the waterway at the point of oiscnarge.(see instructions)	2074	Storm Drain to Los Angeles River
			For Agency Use For Agency Use 303e
fail Ilm	the discharge is through an out- I that extends beyond the shore- e or Is below the mean low : ter line, complete Item 8	2075	Major Minor Sub 207e
	Offshare Discharge		
•.	a. Discharge Distance.from Shore	2083	feet
	b. Discharge DePth Below Water		feet y was a
	Surface	2015	
9.			
	<ol> <li>Type of Discharge Check whether the discharge is con-</li> </ol>	2093	🐔 (con) Continuous
	tinuous or intermittent. (see instructions)	.:	(int) Intermittent
	b. Discharge Occurrence Days Per	2095	Zdays per week
	Week Enter the average num- ber of days per week (during	2035	
	periods of discharge) this dis- charge occurs-		
	c. Discharge Occurrence Months (	1.2	DIAN OFES DMAR DAPR
	If this discharge normally ; operates (either intermittently, ;	2090	
	<ul> <li>or continuously) on tess than         <ul> <li>a year-around basis (excluding</li> </ul> </li> </ul>		DMAY DUN DUL DAUG .
	snutdowns for routine mainte- nance), check the months dur-		SEP DOCT DOCY DEC
	ing the year when the discharge is operating. (see instructions)	28	· · ·
	complete Items 10 and 11 If "inter-		
	omplete items to and it in a line in hittent" is checked in item 9.a )therwise, proceed to item 12:		
	<i></i>		
	0. Intermittent Discharge Quantity State the average volume Per dis-	210	<u>N/A</u> thousand gallons per discharge occurrence.
	charge occurrence in thousands of gations.		u
	-		
1	<ol> <li>Intermittent Discharge Duration and Frequency</li> </ol>		. n
	<ul> <li>a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.</li> </ul>	211a	N/A
	b. Intermittent Discharge Frequency State the average number of discharge occur- rences oer day during days when discharging.	2116	discharge occurrences per day

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DISCHARCE SERIAL NUMBER

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ictivity Description. Give a sairative description of activity inducing this discharge.(see instructions)

<u>Piped discharges to stormdrains from Station</u> <u>between 1st. and 2nd. on Hill Street</u>

£?

west of the Los Angeles River.

Activities include collection/treatment of

seepage, stormwater inflow, washdown, and

equipment drainage

stivity Causing Discharge For ich SIC Code which describes reactivity causing this discharge, obly the type and maximum nount of either the raw material ned (Item 14a) or the product seo (Item 14b) in the units colled in Table t of the instrucon Bookles. For SIC Codes not ited in Table 1, use raw material production units normally used r measuring production.(see structions)

hally used \_\_\_\_\_\_\_. h.(see \_\_\_\_\_\_.

Not Applicable

2133

Not applicable, Operation activities associated with Rapid Transit System

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

· · · · ·

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Products

**Raw Materials** 

 SIC Code
 Name
 Maximum
 Unit
 Shared Discharges

 5
 (1)
 (2)
 (3)
 (4)
 (5)

€72 DISCHARGE SERIAL NUMBER 032

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FOR AGENCY USE

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### , 16. Mastewater Characteristics

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Check the box boside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis er best estimate.(se

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Parameter 3216	Present	Parameter ;216	Pretent
Color 20080		Capper . 01042	
Ammoan 00610		Iron 01045	
Organic nitrogen Organic nitrogen 00605		- Lead 01051	
Nittate 00620	x	Magnosium 00927	
Nimte		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 .		Titanium 01152	
01105 Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium • 01012		Algicides* 74051	
Barium		Chiorinated organic compounds* 74052	
01007Boron 01022	••	Pesticides" - 74053 .	-
Cadmium		Oil and grease 00550	
01027	x	Phenols	
00916		Surfactants 38260	
01037 Chromium 01034	l	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

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### 17. Description of Intake and Discharge

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

In addition, enter the Darameter name and Code and all required values for any of the following parameter: If they were checked in item 16; ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, Chromium, Cooder, lead, mercury, nickel, selenium, Zinc, phenois, dil and grease, and chilorine (residual).

and chlorine (residuar).			·		Effluent			
		nt	;	· · ·			E F	
Parameter and Code 217a	thulreated Intake Water (Daily Average)	In-I'lant Treated D Intake Water (Duily Average)	G Daily Average	Alminum Value Observed or G. Expected During Dicelarge Activity	Maximum Value Observed or Expected During Discharge Activity	Frequency of O Analysis	Number of 2. Analyses	Sample Type
Fiow" Gullons per day 00056	3400	- 0	3400	- 0	54,100	Annual		
pH . Units 00400	7.0			6.0	8.0	· · · · · · · · · · · · · · · · · · ·		
Temperature (winter) ".F 74028	ND		<u>+</u> 2 <sup>o</sup> c	+ 2° c	+ 2° c			
Temperanire (summer) * F 74027	ND		<u>+</u> 2 <sup>°</sup> c	$\pm 2^{\circ} c$	<u>+</u> 2° c		<i>i</i>	
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/1 00530	150		50	10	150			
Specific Conductance micromhos/cm at 25° C 00095	200-1500			200	1500			
Settleable Matter (residue) ml/1 00545	ND		_		-	-0 g.		

II-6

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

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DISCHARGE SERIAL NUMBER 032

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Effluent

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	Parameter and Code	Untreated Intake Water (1) uily Average)	In-Plant Trealed Intake Water (Daily Average)	G Daily Average	Minimum Value Observed or Bixpected During Discharge Activity	MaxImum Válue Maxred or S Expected During Discharge Activity	<ul> <li>Frequency of Analysis</li> </ul>	S Number of Aralyses	🙆 Sample Type
	Oil/Grease 00550			_10	<b></b>	10-	Annual		
		•							
•	`````						. • -		
	•		_						

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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).

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		N/A
<ul> <li>dChemical composition of these additives (see instructions).</li> </ul>	2194	
· ·		
Complete items 20-25 if there is a therma (e.g., associated with a steam and/or power plant, steel mill, petroleum refinery, or an manufacturing process) and the total disc 10 million gallons per day or more. (see	iy other harge flow is	is .
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		APOF
Boiler Water Treatment — Evabora-	- 1 <sup>(1</sup> )	DEPED .
tor Blowdown		
Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices		
Condense Cooling Water		COND
Cooling Tower Blowdown	14 1 1911)	Ство
Manufacturing Process		
Other	1 1000 - 201 - 201 101 - 201 101 - 201 101 - 201	
21. Discharge/Receiving Water Temper- ature Difference		N/A
Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions.		
(see instructions) Summer	221a	
-	2215	
Winter .		
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 con- ditions. (see instructions)		
23. Water Temperature, Percentlis Report (Frequency of Occurrence In the table below, enter the	Sec.	N/A
temperature which is exceeded 10 of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instruct	<b>**</b>	
Frequency of occurrence	ionsr -	10% 5% 1% Maximum
a. Intake Water Temperature	223	3a k
(Subject to natural Changes)	2231	
b. Discharge Water Temperature	1.5 A	
24. Water Intake Velocity (see Instructions)	224	4 diafeet/Sec. N/A
25. Retention Time Give the length	of . 225	
time. In minutes, from start of water temperature rise to dischar of cooling water. (see instruction	ge	

٠ EPA Form 7550-23 (7-73)

		DISC	HARGE SERIAL NUMBER	2	OMB No. 153-R010
	Additional Informa	lion	··-	, "** -	
226	Item -		Information		
		<u>See Attachment B</u>			
		· · ·			
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EPA Form 7550-23 (7-73)

FORM APPROVED OME No. 158-R0100

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## STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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# 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 of by court action. In addition to completing the following items, a copy of an official implementation schedule should be attacned 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.

	2), SOBAIL A SCALLER					1 1 1		15 41120-0	er and to a			
Im	,	200		-	-	SCHE	ED. NO.	10				
	Discharge Seriai Number	() (Se	0	3	2	<u> </u>					·	
a.	Affected List the discnarge	3014										
	revisi numbers, assigned in	S ASS OF			_							
	Section (i, that are covered by											
	this implementation schedule.							,				
	Authority Imposing Require-	2. C.					-			, ·	-	
ь.	ments Check the appropriate	1000	N/A		• •							
	them indicating the authority for	2000	NZA								`	
	Implementation schedule. IT	and state			•		•				•	
	and Identical Implementation	And the second										
	and a Dest been ordered by	C. S. Stands							₹ 1			
	more than one authority, check						•		*			
	the appropriate items. (see											
	Instructions)	1301b	Loc			- •						
	Locally developed plan	S. Beech										
	Areawide Plan	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	BAS									
	Basic Plan	K. K.							*		. 1	
	State approved implementa-	a starter	□sas								1	
	tion schedule		0203								· · ·	
	Federal approved water			·								
	quality standards implementa-		⊡was									
	tion plan.		Linds.									
	Federal enforcement proced-		Deve				•					
	ure or action		DENF									
		Sala	CRT									
	State court order						-					
	Federal court order											
	c. Facility Requirement, Specify	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	r.									
	and an entertail code of silvar		3-charai (gener									
	that Delow that Dest Gescrives	Con Series	(Sener									
	in neveral terms the require	1.1										
	and a fithe implementation	.3016		-								
	schedule and the applicable six- character abatement code(s)		ł									
	from Table II of the instruction	3010	6-chara	cter	•		•			-		
	security of more than one											
	internation applies to the facility		(see Tat	ole II)								
	Second of a staged construction	1920	š		-							
	schedule, state the stage of con- struction being described here		ξ.					***				
	struction being described and with the appropriate general	122.4	<u></u>		-			·	n, 4	P		
	series code. Submit a separate		24									
	Section III for each stage of	Lange -	<u>الا</u>		-							
	construction planned.	1 Station	ull t									

		· .		
		NEW		
New Facility		MOD		
Modification (no increase in capacity or treatment)		INC		
Increase in Capacity		INT		
Increase in Treatment Level		ICT		
Both Increase in Treatment Level and Capacity				
		PRO	•	
Process Change	•	ELI	-	
 Elimination of Discharge		ang mag P Ang Tang P Ang Tang P		
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`		032	1	
		052		FOR AGENCY USE
				FOR Addition
				[이용] 이희기육이 수
	· · ·			
		۰ مەرب		
	· · · · · · · · · · · · · · · · · · ·	Completion Dates		
2.	Implementation Schedule and 3. Actual	- · · ·		elow.
•	Provide dates imposed by schedule and any	actual dates of completion for im	prementation store	
	Provide dates imposed by school ble. (se incleate dates as accurately as possible. (se			
		2. Schedula (Yr./Mo. /Day)	3. Actual Com	pletion (Yr./Mo./Day)
	<ul> <li>Implementation Steps</li> </ul>		· · ·	
		3024		·
	2. Preliminary plan complete		A CONTRACTOR	· *
	b. Final plan submission.	302b/	1 303b	/ · · · ·
	b. Final plan submission		303c	· · · · · ·
	c. Final plan complete	3020/	A Start	· · · ·
			Magad/	/
	d. Financing complete & contract awarded	1 3024/	3038	
	· · · · · · · · · · · · · · · · · · ·	3024/	303e/	/ ·
	e. Site acquired	195 2 . · ·		
	f. Begin action (e.g., construction)	[ 102f ]//		
	f. Begin action (a.y.) earnet	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1 20 3g 1	
	g. End action (e.g., construction)	3029/	228	
			/	_/
	h. Discharge Began	302h/		
	· · ·	7021	3031	_/ · · · · · · · · · · · · · · · · ·
	L Operational level attained	17	Elizabilities I	

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FCRM XFFF DVEL OMB No. 11.47.110

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### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATEP

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

#### SECTION 1. 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	101	Southern California Rapid Transit District
	(see instructions)		
2.	Mailing Address of Applicant (see instructions) Number & Street	102a	425 South Main Street
	City	1025	Los Angeles
	State	102c	CA
	Zip Code	1024	90013
э.	Applicant's Authorized Agent (see instructions) Name and Title	1032	Melvin L. Polacek <u>Construction Manager</u> (Attn: C. Thomas Williams) Parsons, Dillingham Construction & De Leuw Cather
			A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACTOR AND A CONTRACT
	Number & Street Address	1035	600 South Spring Streer, Suite 1200
	City	103c	Los Angeles
	State	103d	CÀ
	Zip Code	103e	90014
	TeleDhone	103f	213 <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	
		5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	

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	lice Transit Facilities
Printed Name of Person Signing	Title
DE Carrier	1021 1/14/8/
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 wilfully faisifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any faise, fictitious or fraudulent statement or representation, or makes or uses any faise writing or document knowing same to contain any faise, 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
Pecelved	· · · · · · · · · · · · · · · · · · ·	State
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- y · Manahalar	and in the second second second second second second second second second second second second second second s	This section contains 3 papers

Facility/Activity (see instructions) Give lae name, ownersnic, and physical location of the blant or other operating lacitity where dis- chargets) boes or will occur.		
Name	1054	Drain, A-145-157, 5th/Hill Station
• •		Southern California Rapid Transit District
		Los Angeles
Ownersnip (Public, Private or		
Both Public and Privatel	1055	CPUS OPRV OBPP
Check block if Federal Facility	105e	
and give GSA Inventory Control Number	1050	· .
Location	103 e	North of 5th St. on Hill St.
Street & Number	1031 (	Los Angeles
City		Los Angeles
County	1059	California
State . 1	1055	
Nature of Business State the	1062.	
nature of the business conducted at the plant or operating facility.		·
	1046	AGENCY USE
Facility Intake Water (les instruc- tions) Indicate water intake volume		
per cay by sources. Estimate average volume per day in thousand		
gallons par day.	· · · · ·	0 -
Municipal or private water system	107a	4000 thousand gallons per day
Surfaça wäter	1875	
Groundwäter	107e	thousand callons per 089
Other*	1074	
<b>T</b>	107e-	4000 increase and and and and
Total Item 7		
"If there is intake water from "other," specify the source.	1075	
Facility Water Use Estimate		
sverage volume der day in thousand gallons der day for the following		
types of water usage at the facility.		
(see instructions) , - Noncontact cooling water	1083	Indusand gallons per day
Boller leed water	್ರಚಿಸ್ರವ 1085	thousand gallons per day
• • • • • • • • • • • • • • • • • • •		
Process water (Including contact cooling water)	108c	thousand gallons per day
Sanitary water	1030	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second
Qlher	108.	0 thousand gallons Der day
	1001	0
, Totai item ā		
"tf there are discharges to "other," specify,	1089	Equipment water supply and washdown
If there is "Sanitary" water use, give	•	
the humber of people served.	1087	people served

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FORM APPROVED OME No. 155-R0100

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	All Facility Olicharges and other
١. ا	All Pacific Onenary and and
	Lossess Number and Discharge (see
	Instructions) Volume Specify the
	Instructions) volume soccity in-
	number of discharge points and the
	volume of water discharged or
	AOIDine of series areas to
	lost from the facility according to
	Frimale
	the categories below. Estimate
	average volume per day in thousand
	gations per Day.
	dalight her own

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the Categories below. Estimate average volume per day in thousand gallons per Day.	Number of Discharge Points	Total Volume Used or Oischarged. Thousand Gal/Oay:			
Surface Water		0,			
Sanitary wastewater transport	10561	4.0			
Storm water transport system	109c1	10962			
Combined sanitary and storm water transport system	10901 0	10362			
Surface Impoundment with no effluent	105-1	0 109e2			
Underground percolation		10912	. •		
Well Injection	10391	10992			
Waste acceptance firm	109h1	103h2			
Evaporation	10911O	0			
Consumption -	109k1 0	109k2	•		
Other"		4.0	•		
Tatal Item 9.	10511 (1)		4	6	
* If there are discharges to "other." specify.	125mt			/	

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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 Agancy Use	Type of Permit or License	IO Number	Date Filed YR/MO/OA	Oate Issued YR/MO/DA	Date Denied YR/MO/DA	Expiration Oate YR/MO/OA
110		thelpsent(b) in the se	) 一世 (c) 単純な		for allyr (z) within a	in sig (1) ration	17942 - <b>(5)</b> - 17943 -	r gr je (tn}enselee)
1. 1.	City of				-			
	County of				-	<u> </u>	<u> </u>	
2.	   	<b>主义 资料</b> 存制			<u> </u>		1	1
		in the second second second second second second second second second second second second second second second			<u> </u> .		<u> </u>	<u> </u>
з.		the second second second			·	1	<u> </u>	1
					<u> </u>			

11. Maps and Drawings

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

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2. Additio	nal Information	
(shie)	Item Number	Information 1
	7/8/9	See Attachment 🔒
		•
	· . •	

FORM APPROVED OMB No. 158-R0100

STANDARD FORM C - MANUFACTURING AND	COMMERCIAL
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### 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 Drior 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 DRIGINATE 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	033	
	a. Discharge Serial No.	2012	X
	(see instructions)	Drain, A-145-157, '5th/Hill Station	
	<ul> <li>Discharge Name</li> <li>Give name of discharge, if any.</li> <li>(see instructions)</li> </ul>	201b Operations	
	C. Previous Discharge Serial No. If Drevious Dermit application was made for this discharge (see Item 4. Section I), provide previ- ous discharge serial number.	2010	
2,	Discharge Operating Dates		
	a. Discharge Began Date If the discharge described berow is in operation, give the date (within best estimate) the discharge began.	2023 <u>YR MO</u>	-
	b. Discharge to Begin Date. If the discharge has never occurred but is planned for some future date, give the date (within best etc)- mate) the discharge will begin.	202b <u>90 7</u> УВ МО	۲ ۲
	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.	202e Continuing	·*
3.	<ul> <li>Engineering Report Available</li> <li>Check if an engineering report is available to reviewing agency upon request. (see instructions)</li> </ul>	203 🖾	
4.	<ul> <li>Discourge Location Name the political boundaries within which the point of discourge is located.</li> </ul>	California	Agency Use
	State .	2043	
	County	204b Los Angeles	204e .: 204f
	(if applicable) City or Town	204c Los Angeles	1.1
5	<ol> <li>Discharge Point Description</li> <li>Discnarge is into (check one);</li> <li>(See instructions)</li> </ol>		
	Stream (includes ditches, arroyos, and other intermittent watercourses)	205a STR	
		<u> </u>	
	Ocean	OCE	
	Municipal Sanitary Wastewater Transport System	[] MTS	
	Municipal Combined Sanitary and Storm Transport System		T.D. LIBRARY

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			FOR AGENCY USE
	unicipal Storm Water Transport Istem		
Ŵ	et (Injection)	(	] wet
	- ther		
L#	'other' is checked, specify	ZOSD	
***	ischarge Point — Lat/Long Give as precise location of the Boint		
01	f discharge to the nearest second. Latitude	2063	<u>34</u> DEG <u>2 MIN 30 SEC</u>
	Longitude	2065	<u>118</u> DEG <u>15 MIN 00 SEC</u>
N 1	Nscharge Receiving Water Name Name the waterway at the point of discharge.(see instructions)	207=	Storm Drain to Los Angeles River
	10 (1930-110-30-10		
fail tr	discharge is through an out- hat extends beyond the Shore- ir is below the mean low : line, complete item 8,	2075	For Agency Use For Agency Use 303e
	Offshere Discharge I. Discharge Distance from Shore	208a	feet
	b. Discharge Depth Below Water Surface	2015	feet
•	•		
	Discharge Type and Occurrence a. Type of Discharge Check	14	
	whether the discharge is con- tinuous or intermiltent, (see instructions)	2093	(con) Continuous     (int) Intermittent
	b. Discharge Occurrence Days per Week Enter the average num- ber of days per week (during periods of discharge) this dis- charge occurs.	2090	Z_days per week
	c. Discharge OccurrenceMonths	2090	DJAN DEEB MAR DAPR
	If this discharge normally ; operates (either intermittently, .		MAY DUL DAUG
	<ul> <li>or continuously) on less than         <ul> <li>a year-around basis (excluding             shutdowns for routine mainla- nance), check the months dum</li> </ul> </li> </ul>		SEP DOT NOV DEC
	ing the year when the discharge is operating, (see instructions)		
nit	nDiete items 10 and 11 if "inter- tent" is checked in Item 9.a serwise, proceed to Item 12:		1
0.	Intermittent Discharge Quantity State the average volume per dis- charge occurrence in thousands of galtons.	210	<u>N/A</u> 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
	b. Intermittent Discharge Frequency State the average number of discharge occur- rences per day during days	2115	discharge occurrences per day
	when discharging.	·	• .

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	DI	SCHARGE SERIAL NUMBER	FORM APPROVED
		033	OMB No. 158-R0100
	·	ar a t	FOR AGENCY USE
Activity Description Give a istrative description of activity inducting this discharge.(see istructions)	213a	Piped discharges to stor between 4th and 5th on Hi west of the Los Angeles R	11 Street
		Activities include collec seepage, stormwater inflo equipment drainage	
•			
Activity Causing Discharge For tach SIC Code which describes the activity causing this discharge, tupply the type and maximum	•	Not applicable, Operation with Rapid Transit System	activities associated
int of either the raw material imed (Item 1aa) or the product bounded (Stem 14b) in the units locatifica in Table I of the Instruc- tion Booklet. For SIC Codes not			- 1

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tion 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		A	Maximum mount/Day	Ui (See Ti	nit IDie I)	Shared Discharges (Serial Number)
		(2)		4	(3)	(4	)	(5)
	*							
		<u> </u>				<u>+                                     </u>		
						<u> </u>		
			••				·	••
						1		
		<u> </u>		<u> </u>				
	•		i					
	51C Code (1)	()) 			Sic Code         Name         A           (1)         (2)         :		SIC Code         Name         Amount/Day (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (See Transmission (S	SIC Code         Name         Amount/Day (See Table I)           (1)         (2)         (3)         (4)

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». Pro	iducts .				Maxim	im.	Unit			red Discharg	
	SIC Code		Name		Amount,	(D ay	(See Table	: 1)	(5)		<u> </u>
:145	(1)		(2)		(3)	<u> </u>	(4)			(5)	
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DISCHARGE SERIAL NUMBER

FORM APPROVED OMB No. 158-R0100

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#### 16. Mastewater 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 stimate.(see instructions)

1.4.1

Parameter ;216	Present	Parameter 216	Prevent
Coio: 00080		Copper . 010-12	
Ammona 00610		Iron 01045	
Oreanic 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		Scienium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	x	Potassium 009 37	x
Cyanide 00720 -		Sodium 00929	x
Fiuoride 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		Oil and grease 00550	2
Calcium 00916	x	Phenols	<u>.</u>
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity= 74050	

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

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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.

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DISCHARGE SERIAL NUMBER

### 033

FOR	AG	ENC	YU	JSE

#### 17. Description of Indake and Discharge

For each of the Darameters listed below, enter in the appropriate box the value or code letter answer called for isee 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 15; ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, cooper, tead, mercury, nickel, setenium, zinc, phenois, oil and grease, and Chlorine (readual).

	. Influent		ΕſΩuent					
Parameter and Code ; .217a	thniccaicul Iniake B Waicr (Daily Averape)	In-Plant Treated Datake Water (1)ally Average)	🛈 Dally Avcrage	Minimun Value Observed or 🗘 Expected During Discharge Activity	Maxlmurn Volue Obwerved or Expected Durling Discharge Activity	S Analysis	Annher of Analyses	G Sample Type
Fiow" Gullons per day 00056	4,000	. 0	4,000	0	59,400 ·	Annual		
pH Units 00400	7.0		$\mathbf{X}$	6.0	8.0			
Temperature (winter) * F 74028	ND		<u>+</u> 2 <sup>0</sup> c ·	+ 2 <sup>0</sup> c	+ 2 <sup>0</sup> c	• •		
Temperature (summer) * F 74027	ND		<u>+</u> 2 <sup>0</sup> с	<u>+</u> 2 <sup>0</sup> c	' <u>+</u> 2 <sup>°</sup> c	6 		·
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/em at 25° C 00095	200–1500			200	1500	-		
Settleable Matter (residue) ml/1 00545	ND		_		-	" 		

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

		FORM APPROVED OMB No. 158-R0100
	DISCHARGE SERIAL NUMBER	FOR AGENCY USE
17. (Contra.) -	<b>.</b>	

		Iniluent		Effluent					
	Parameter and Code	Untreated Intake Water (Daily Average)	In-Plant Treated D Intake Water (Daily Average)	<ul> <li>Daily Average</li> <li></li></ul>	Minimum Value Observed or Expected During Discharge Activity	Maximum Value Observed or Streeted During Discharge Activity	). Frequency of O. Analysis	<ul> <li>Number of</li> <li>Analyses</li> </ul>	Sample Type
•	Oil/Grease 00550	0		10	0	10	Annuali		
		•							 
						· · · · ·			<u> </u>
)			<u> </u>				<u> </u>		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: 

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- a. Name of Material(s)
- b. Name and address of manufacturer
- c. Quantity (pounds added per million gallons of water treated).

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	<i>r</i>			
N/A			,	
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				OR AGENCY U
			033	TITT
	dCnemical composition of these	2194	N/A	
, 1	additives (see instructions).			
•	·	. 1		
(e.g., plant	plete items 20-25 if there is a thermai di associated with a Steam and/or power g t, steel mill, petroleum refinery, or any o ufacturing process) and the total dischar hillion gallons Par day or more. (see ins	eneration ither ge flow is		
	Thermai Discharge Source Check the appropriate item(s) indicating the Source of the discnarge. (see	220	N/A	
	Instructions)			
	Boller Blowdown	1 		
	Boiler Chemical Cleaning			
	Ash Pond Overflow Boiler Water Treatment — Evapora-			
	tor Blowdown			
	Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices			
	Condense Cooling Water			
	Cooling Tower Blowdown	1.1.1.1	Ство	
	Manufacturing Process			
	Other ·			
21.	Discharge/Receiving Water Temper- ature Ofference		N/A	
	Give the maximum temoerature difference between the discharge and receiving waters for summer and winter oberating conditions. (see instructions)	221a	°	٨
	Summer	2414		
	Winter .	2210	°F.	• *
22.	Discharge Temperature, Rate of Change Per Hour	222	oF./hour N/A	
	Give the maximum Possible rate of temperature change per hour of discharge under operating com- ditions. (see instructions)			
23.	Water Temperature, Percentile Report (Frequency of Occurrence)			
	in the table below, enter the temperature which is exceeded 10%.		N/A	
	of the year, 5% of the year, 1% of the year and not at all (maximum	1.1		
	yearly temperature). (See instructions Frequency of occurrence	1	10% 5% 1% Maximum	
	•	1		
	<ul> <li>Intake Water Temperature (Subject to natural changes)</li> </ul>	2234		
	b. Discharge water Temperature	2235	0 <sub>F</sub> 0 <sub>F</sub> 0 <sub>F</sub> 0 <sub>F</sub>	
		224	feet/sec.	
	. Water Intake Velocity (see Instructions)		N/A	
<b>25</b> .	Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge	. 225	minutes	

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EPA Form 7550\_23 (7\_73)

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* * %s *		DISCHARGE SERIAL NUMBER 033
·. 26.	Additional Informat	ion
226	Item -	Information
		See Attachment B
•		
_		· · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · ·
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# STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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

2475 2675	In addition to completing the follow U ARE SUBJECT TO SEVERAL OIF ORITY IMPOSING DIFFERENT SC Ic), SUBMIT A SEPARATE SECTION	III FOR	EACHON	<b>-</b>			P	ORAG			-	
		300					SCHED. N	0. 10 1	antille states	trad Str	3	
	aprovements.	1.34		~	2	E		-				
a	Discharse Serial Number	301a	0	3	3							
	Affected List the discharge serial numbers, assigned in	1 gr.										
	Section II, that are covered by											
	this implementation schedule.								,			
	•											
	Authority Imposing Requires	0										•
1	mente Check the appropriate	1. × 1.	N/A									
	item indicating the authority for		23/ 63									
	implementation schedule. It	Sec.						•				
	the Identical Implementation	Section Section										
	schedule has been ordered by	Contraction of the second							7			
	more than one authority, Check	5.3.						•				
	the appropriate items. (see	32.55										
	Instructions)	3015	Loc				-					
	Locally developed plan	in the fi	_									
	Areawide Plan	1.1						•				
	Basic Plan	100 A	<b>BAS</b>									
								•				1
	State approved implementa-		🗆 sa s									
	tion schedule	A To Share							•			1 -
	Federal approved water	10										
	quality standards implementa-	1. 100 S.	<b>⊡</b> was									
	tion plan.	a cherry	_									
	Federal enforcement proced-											
	ure or action	100	_				-					
	State court order	123	CRT									
		State of the second					•					
	Federal court order	1	_			-						
•	- Facility Regultement, Specify	1000	1									
	the 3-character code of those		3-charao									
	listed below that best describes		(gener	ai]								
	in ceneral terms the require											
	ment of the implementation	1010		-								
	conectule and the applicable six-											
	abaracter abatsment COde(\$)	a state	31				_			-		
	from Table II of the Instruction	3010			•		•					
	bookiet. If more than one		(speci									
	schedule applies to the facility	1.00	: (see Tab	(it ald								
	because of a staged construction schedule, state the stage of con-	1. Starten	ši		-							
	schedule, state the stage of cent struction being described here								** /			
	with the appropriate general	11226-5	<u> </u>				*	• -	-1	*. *#		
	action code. Submit a separate		2									
	Section III for each stage of	110	š		_							
	section planned.	1 million	ا س									

	•	
· · ·	. NEW	
New Facility Modification (no increase in capacity or treatment)	MOD	
	INC	
Increase In Capacity	INT	
Increase in Treatment Level	ICT	
Both Increase in Treatment Level and Capacity		
	PRÖ	'
Process Chan9t	ELI	-
Elimination of Discharge		

42 033 FOR AGENCY USE .<sup>-</sup>., Implementation Schedule and 3. Actual Completion Dates . . Provide dates imposed by schedule and any actual dates of completion for implementation steps listed below. 2. Indicate dates as accurately as possible. (see instructions) . 3. Actual Completion (Yr./Mo./Day) ÷ 2. Schedule (Yr./Mo./Day) Implementation Steps . 1303a . . 302a- Preliminary plan complete 1.5 10.00 estava, 3035 ... 1.0 3026 303c : b. Final plan submission. - 798 - ---N 110 - 150  $x \in \mathcal{J}$ . 3020 🖕 Finai plan complete 176 .303d d. Financing complete & contract awarded 30Zd 302 1. 18.18 303e ي. 18 قاريمه المورج e. Site accuired n, k . . 203f. . 3027 f. Begin action (e.g., construction) \$12 Z 30.39 3029 g. End action (e.g., construction) . . 302h - 303h h. Discharge Began 20:31 2021 1. Operational level attained . Million and sold and

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### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

### SECTION I. APPLICANT AND FACILITY DESCRIPTION

Uniess otherwise specified on this form all items are to be completed. If as 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.	Lesal Name of Applicant	101	Southern California Rapid Transit District
	(see instructions)		
2.	Mailing Address of Applicant (see instructions) Number & Street	1022	425 South Main Street
	City	1025	Los Angeles
	State	102c	_ <u>CA</u>
	Zip Code	1024	90013
3.	Applicant's Authorized Agent (see instructions) Name and Title	7032	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams)
			Parsons, Dillingham Construction & De Leuw Cather
	Numper & Street Address	1035	600 South Spring Street, Suite 1200
	City	1030	Los Angeles
	State	1036	
	Zip Code	703e	90014
	Тејерлопе	1031	213 <u>489-6941</u>
4,	Previous Application If a previous application for a National or Federal discharee per-		Area Number · Code
	mit has been made, give the date of application. Use numeric besignation for date.	104	N/A

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

J.E. Crawley	Director of Engineering
Printed Name of Person Signing	Title
NS Carulent	1021 11/14-141-
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 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.

- <u></u>	FOR AGENCY USE	
· ·	•	CFFICE:EPA Region Number
YA MO DAY		State
	I-1	This section contains 3 pases.

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	the law tree instructions			·		FOR AGENCY USE	
5.	Figlify/Activity (see instructions) Give the name, ownership, and		*	-			
	and techning of the plant of						
	other operating facility where dis chargetsi does or will occur.	· • •	Drain, A-165-	-167, 7th/Flower	r Station		
	Name	1054					
		• •	Southern Ca	lifornia Rapid	Transit Di	etrict	
	• •		Los Angeles	2			
		1 1					
	Ownersnia (Public, Private or Both Public and Private)	1055	APUS DRY	C app			
		1050					
	Check block if Federal Facility and give GSA Inventory Control	1050	0.00				
	And give GSA inventory contract	1054					
		1			i		
	(		Lebanon/7th	Streets			
	Location Streat & Number	105e					
		1056	Los Angeles				
	City	1051					
	County	1051	Los Angeles				
		1057	California				
	State . 1	1024 (S	Onerstien of	Rapid Transit	Suctor		
_	Nature of Business State the	1064.	Obergriou OI	Rapid Transit	aysiem		
6.	Description of the Business conducted						
	at the plant or operating facility.	-			•		
		1055	AGENCY US				
				872		· ·	
		··· • • • • • • • •		· ·			
	-	التي الأربية. التي الأربية		•			
7	Facility Intake Water (see instruc- tions) Indicate water intake volume	1.1.2		-		ſ	
	and day by cources, Estimate	- 124 E				1	
	average volume per day in thousand gallons per day.				•		
	Municipal or private water system	- 1073	<u> </u>	Rousand sallons per day			
		1075	4.0	thousand sallons per day	.'		
	Surface water	1020					
	Groundwater .	107e		thousand gallons per day	• ·		
		1070	0	thousand gallons per day			
	Other*	1.2.2					
	Total item 7	1074		thousand gallons per day			•
	"If there is intake water from rother," specify the source,	1,071					- ·.
	-Giber, specify the specify	- 1 - 4 3	· · ·				
	1. Facility water Use Estimate						
	THEFTER VOLUME DEL CAY IN LOUISING		6				
	gallons oer day for the following types of water usage at the facility.	11.1	3				
	(see instructions)			thousand galians per day			
	Noncontact cooling water	1082					
	Boiler feed water	1081	·	thousand gallons per day			
			λ.		1		
	Process water (Including contact	108	· <u> </u>	thousand salions per day	¥1		
	cooling water)						
	Sanitary water	102	a	thousand gailons per da	T		
		108		thousand gallons per da	Y		
	O ther"		0				
	. Total Item 8	108	<	. Inousand gallons per da	7		
		1.				•	_
	"If there are discharges to "other," locally.	108	B Equipa	ent water suppl	y and wash	ICIOWI1	
	If there is "Sanitary" water use, giv the number of people served.	e [108	IN 0	_ people served			

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All Facility Olicharges and other
Lower Number and Oischarge (see
Instructions) Volume Socily the
number of disenarce points and the
volume of water discharged or
lost from the facility according to
the categories below. Estimate
average volume per day in inousand
gations per Cay.
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los: from the facility according to the categories below. Estimate average volume per day in inousand gallons per day.	Number Dischar Point	ge .	Total Volume Used or Oisenarged, Thousand Gai/Oay O	• .
Surface Water	10941	10912	0.	
Sanitary wastewater transport system	10361	10952		
Storm water transport system	10921	103c2		•
Complined sanitary and storm water transport system	10901 0	10542		
Surface Impoundment with no effluent	105+1	109=2		
Underground percolation	0	1091Z	·  9	
Well Injection	105s1	10392	·  Q	
Waste acceptance firm	109h1	103n2	n in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	-
Evaporation -			a	-
Consumption .		10912	<u>i</u>	
Otaer* -		10982		-
Facility discnarges and volume Total Item 9.	10511() (10511() (10511())	1091Z		_
* If there are discharges to 'other." specify.	109m1	6		

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	Oste Filed Y9/M0/DA	Date Issued Y-R/MO/DA	Date Denied YR/MO/DA	Expiration Date YR/MO/DA		
110	14. (a) 11.2 · * *	(b) (b) (b)	· (c) 道和35	-P. (d) (d)	("an miller (C) mileria	1 . die (1) tasilier	10%00, <b>(9)</b> - 5,632 1	<ul> <li>g &gt; §(h) anywar</li> </ul>		
- 1. 1.	City of								l	
	County of		·		-				1	
2.	COR ANGERER	ST MERI				<u> </u>	1	<u> </u>	'   	
			· · ·			<u> </u>	<u> </u>	<u> </u>		
٦.				<u> </u>	<u> </u>	] 	<u> </u>	<u> </u>	1	

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

12. Additional Information

្រវាដ	Item Number	Information
	7/8/9	See Attachment A
		· · · · · · · · · · · · · · · · · · ·
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FORM PPROVED ONB No. 158-R0100

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## STANDARD FORM C - MANUFACTURING AND COMMERCIAL

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### SECTION IL BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section 1, 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 TD BOOKLET BEFORE FILLING OUT THESE ITEMS.

1.	Discharge Serial No. and Name	034
	a. Discharge Serial No. (see instructions)	
	b. Discharge Name	2016 Drain, Al65-167, 7th/Flower Station
	Give name of discharge, if any, (see instructions)	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.	2010
-	Discnarge Operating Dates	
2.	Bischarge Begen Öate If the discharge described below is in	
	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 etc) mate) the discharge will begin.	2020 <u>90 7</u> YR MO
	c. Discharge to End Date If disconarge is scheduled to be discon- tinued within the next 5 years, give the date (within best esti- mate) the discharge will end.	2020 Continuing
з.	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 Ine point of discharge is located.	Agency Use
	State	Zo4a California Zo4a
	County	2046 Los Angeles 204e
	(if applicable) City or Town	204e Los Angeles 204r
5.	Discharge Point Description Discharge is into (check one); (see instructions)	
	Stream (includes ditches, arroyos, and other intermittent watercourses)	205a OSTR
	Lake	ÜLKE .
	Ocean	Ποςε
	Municipal Sanitary Wastewater Transport System	<b>M</b> TS
	Municipal Combined Sanitary and Storm Transport System	- mcs
		11-1

• •		DISC≻	ARGE SERIAL NUMBER	
	•		034	
			-	FOR AGENCY USE
	Municipal Storm Water Transport			
	System		C STS	
	West (Injection)		Gwer .	
	Other		DOTH	
	if 'other' is checked, specify	2050		
€.	Discharge Point — Lat/Long Give the Drecise location of the Doint of discharge to the nearest second.		· · ·	
	Latitude	2062	<u>34</u> 0eg <u>2 min 30 sec</u>	
	Longitude	2065	118 DEG 15 MIN 00 SEC	
7.	Discharge Receiving Water Name Name the waterway at the Doint of discharge.(see instructions)	297.	Storm Drain to Los Angeles River	
fai lio	the discharge is through an out- II that extends beyond the shore- he or is below the mean low fater line, complete item 8.	2075	For Agency Use For Agency Use 303e	
<b>z.</b>				
	a. Discharge Distance from Shore	208a	feet	s ·
	b. Discharge Depth Below Water Surface	2020	feet	
9.	Discharge Type and Occurrence		•	
	a. Type of Discharge Check whether the discharge is con-	209.	(con) Continuous	* 6
	whether the obstrarge is con- trouous or intermittent. (see instructions)	· · ·	C (int) Intermittent	ý
	b. Discharge Occurrence Days Der Week Enter the average num- ber of days Der week (during perioos of discharge) this dis- convector discharge) this dis-	2095	Z_days ber week	
	Discharge Occurrence Months 1		JAN DEE MAR DAPR	
	If this discharge normally ; operates (either intermittently, -	209c		
	<ul> <li>or continuously) on less than         <ul> <li>vear-around basis (excluding</li> </ul> </li> </ul>			
	shutdowns for rdutine mainle- nance), check the months dur- ing the year when the discharge		DSEP DOCT DNOV DDEC	
	is operating. (see instructions)		· · · · ·	<b></b>
	Complete Items 10 and 11 if "inter- hittent" is checked in Item 9.a )therwise, proceed to Item 12:	به بر در بر مربع المربع مربع المربع		
	0. Intermittent Discharge Quantity		NT/A	uf ye
	State the average volume Der dis- charge occurrence in thousands of	Z10.		
	gallons.			
1	11. Intermittent Discharge Duration and Frequency			
	<ul> <li>a. Intermittent Discharge Duration</li> <li>Per Oay State the average</li> <li>number of hours per day the</li> <li>discharge is operating.</li> </ul>	2113	N/A nours per day	
	b. Intermittent Discharge Frequency Slate the average numper of discharge occur	2115	discharge occurrences per day	
	lences Der day during days wnen discharging.			•
	12. Maximum Flow Period Give the time period in which the maximum	212	From 10 to 5	

	D15C7	ARGE SERIAL NUMBER FORM APPROVEL 034 FOR AGENCY USE	
Activity Description Give a arrative description of activity producing this discharge.(See astructions)	2138	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	-
ctivity Causing Discharge For ich SIC Code which describes is activity causing this discharge, upply the type and maximum but of either the raw material	·. –	Not applicable, Operation activities associated with Rapid Transit System	
a, Raw Materials Not Appli	· · · · ·	· · · · · · · · · · · · · · · · · · ·	f. , -

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	SIC Code					Name					Maximum Unit Amount/Day (See Table I)					Shared Oischarges (Serial Number)				
14a				(2)			(3) <u>↔ †</u>			(4)		(5)								
														••						
										[			<u> </u>							
							•		• •	Į .	,						•.	_		
										<u> </u>				_						
					-															
1			_												•• .		_			
								_						•.						

Products	Name	Maximum Amount/Day	Unit (See Table I)	Shared Discharges (Serial Number)
5/C Code	(2)	(3)	(4)	. (5)
			•	
			<u> </u>	

€7 DISCHARGE SERIAL NUMBER

034

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### 16. Mustewater 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 Dest estimate.(see instructions)

Parameter .216	Picsent	Parameter 216	Prescut
Color 00080		Copper . 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen		Lead 01051	
Nitrate 00620	x	Magnesium 00927	
Nitrite		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 009 37	X
Cyanide 00720 -		Sodium 00929	<u>x</u>
Finoride 00951		Thallium 01059	
Aluminum,		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Bervllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides - 74053	
Cadmium		Oil and grease 00550	
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 Starement 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.

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DISCHARGE SERIAL NUMBER

### 034

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17. Description of Intake and Oischarge

For each of the garameters listed below, enter in the appropriate box the value or cope letter answer called (onlises 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, cooper, lead, mercury, nickel, selenium, ainc, phenois, oil and grease, and chlorine (residual).

and chlorine (residual).		Effluent							
	Influer	ι <u> </u>	<u> </u>	· · ·			1		
Parameter and Code	Uniteated Intake . () Water () Averate	In-Plant Treated Datake Water (1)aily Average)	), Averase	Alinimum Value Observed or Expected During Discharge Activity	Maximum Value C Chserved or Expected During Discharge Activity	Frequency of O Analysis	Number of (2) Analyses	G Sample Type	
	• •	-		1					
Fiow " Guilons per day 00056	4000	0	4000	0	64,200	Annual	 		
pH Units 00400	7.0			6.0	8_0	· · · · · · · · · · · · · · · · · · ·			
Temperature (winter) * F 74028	ND	·.	+ .2 <sup>0</sup> c	. <u>+</u> 2 <sup>0</sup> c.	+ 2° c	   		    -	
Temperature (summer) • F 74027	ND	• .	+ 2° c	<u>+</u> 2° c	<u>+</u> 2 <sup>°</sup> c		ŀ .		
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/em at 25° C 00095	200-150	0		200	1500				
Settleable Matter (residue) ml/l 00545	ND			ر 	• •				

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

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FOR OMB		R0100

DISCHARGE SERIAL NUMBER 034

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FOR AGENCY USE

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	Influ	icnt	- Effluent					
Parameter and Code	Untreated Intake Water (Jaily Average)	In-Plant Treated 1. Intake Water (1)aily Average)	<ul> <li>Daily Average</li> <li>.</li> </ul>	Minimum Value Observed or E. Fixpected During Discharge Activity	Maximum Value Observed or Sixpected During Discharge Activity	<ul> <li>Frequency of</li> <li>Analysis</li> </ul>	Aumber of Aualyses	Sample Type
Oil/Grease 00550	· 0		10		- 10	Annual		
	•					     		      1
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· · ·	· ·					<u> </u>	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.

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

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- a. Name of Material(3)
- b. Name and address of manufacturer
- c. Quantity (pounds added per million gallons of water treated).

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1.47								
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		-						
1.54								
2190								

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			034
			034
			N/A
	d. "Chemical composition of these additives (see instructions).	2190	N/A
	l	1	
(e.g., piant man	plete items 20-25 if there is a thermal di , associaled with a steam and/or power g , steel mill, petroleum refinery, or any d ulacturing processi and the total dischar sillon gallons per day or more. (see insi	eneratio itner ge flow i	
20.	Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see	229	N/A
	Instructions)		
	Boller Blowdown	1	
	Boiler Chemical Cleaning		
	Ash Pond Overflow		
	Boiler Water Treatment — Evabora- tor Blowdown		
	Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices		
	Condense Cooling Water		CONO
	Coaiing Tower Blowdown	1. 10 1	Ство
	Manufacturing Process		
	Other		
21.	Discharge/Receiving Water Temper- ature Difference		N/A
	Give the maximum temperature difference between the discharge and receiving waters for summer and winter oberating conditions.		·· /·
	(see instructions)	221a	<sup>o</sup> F. / • <sup>-</sup>
	Winter .	2215	°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 con-		· ·
	ditions. (see instructions)		
23.	Water Temperature, Percentile		
	Report (Frequency of Occurrence) In the table bolow, enter the		N/A
	temperature which is exceeded 10%		
	of the year, 5% of the year, 1% of the year and not at all (maximum	алан 1917 — Алан	·· • • •
	yearly temperature). (see instructions)		
	Frequency of occurrence		10% 5% 1% Maximum
	a. Intake water Temperature	2233	
	(Subject to natural changes)	2235	0F 0F 0F 0F
	b. Discharge water Temperature .		
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	. 225	minutes
	of cooling water. (see instructions)		• *

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EPA Form 7550-23 (7-73)

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			DISCHARGE SERIAL	NUMBER		FORM APPROVED OMB No. 153-R0100 FOR AGENCY USE
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26. A 22G	dditional Informati	e n	Inf	ormation	• • •	
		See Attachment				
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FORM APPROVED OME No. 158-R0100

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# 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 olicial implementation schedule should be attacned 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

SCHED. NO. 300 1. Improvements a. Discharge Serial Number 0 3 3012 Affected List the discharge serial numbers, assigned in Section II, that are covered by this implementation schedule, b. Authority imposing Require- $\sim 10$ ments Check the appropriate N/A Item indicating the authority for Implementation schedule. If the Identical Implementation schedule has been ordered by 3.6 more than one authority, check the appropriate items. (see Lint Instructions) BLOC 2015 Locally developed plan DARE Areawide Plan BAS Basic Plan 6 State approved implementa-40.10 tion schedule Federal approved water quality standards implementa-[]was tion plan. Federal enforcement proced-DENF ure or action **CRT** State court order T FEO Federal court order c. Facility Requirement. Specify 3-character the 3-character code of those (ceneral) listed below that best describes с. С. с. с. In general terms the requirement of the implementation 3010 schedule and the applicable six-character abatement code(s) from Table II of the Instruction 3014 6-character booklet. If more than one (specific) schedule applies to the facility (see Table II) because of a staged construction schedule, state the stage of conų, struction being described here with the appropriate general action code. Submit a separate Section III for each stage of construction planned.

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

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Implementation Schedule and 3. Actual Completion Dates 2.

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

	2. Schedule (Yr./Mo. /Oay)	3. Actual Completion (Tr./Md./Day)
Implementation Steps		·/
<ul> <li>Preliminary plan complete</li> </ul>	1022	
b. Final plan submission.	3028	/
<ul> <li>Final plan complete</li> </ul>	303e	/
d. Financing complete & contract awarded	302d//303d	/
· · · · · · · · · · · · · · · · · · ·		/ ·
e Site accuired		
f. Begin action (e.g., construction)	302f*	
g. End action (e.g., construction)	3038	
h. Discharge Began	3020	
L Operational level attained		

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FORM APPROVEL OMB No. 113-RUID

FOR AGENCY USE I

NATIONAL POLLUT	ANT DISCH	ARGE ELIMIN	ATION SYSTEM
APPLICATION FOR	PERMIT TO	D DISCHARGE	WASTEWATER

### STANDARD FORM C - MANUFACTURING AND COMMERCIAL

#### SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unjess 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	101	Southern California Rapid Transit District
	(see instructions)		
2.	Mailing Address of Applicant (see instructions) Number & Street	102a	425 South Main Street
	City	1025	Los Angeles
	State	· 102c	CA
	ZIP Code	1024	90013
з.	Applicant's Authorized Agent (see instructions) Name and Title	1032	Melvin L. Polacek Construction Manager (Attn: C. Thomas Williams)
			Parsons, Dillingham Construction & De Leuw Cather
	Number & Street Address	1035	600 South Spring Street, Suite 1200
	City	103c	Los Angeles
	State	103d	CÀ
	ZID Code	103e	90014
	Telephone	1031	213 <u>489-6941</u> Area Number
4.	Previous Application If a previous application for a National or Federal discharge ber-		Code
	mit has been made, give the date of aDplication. Use numeric designation for date.	104	N/A NO 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. Discover of Engineering

J.E. Crawley		ransit Facilities	
Printed Name of Person Signing		Title	
DE Circulant	1021	11/14/25	
Signature of Applicant or Authorized Agent	ber in manual	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 faise. 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
Pecalved		State
<b>_</b>	I-1 ·	This section contains 3 pages.

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Fighty/Activity (see Instructions)				
			,	
physical location of the plant of				
charge(s) daes ar will occur.	L1	Drain A-175-	187, Wilshire/Alvarade	- Station
ゅじっと	1053		California Rapid Trans	
• • •	-			
• •		Los Angele	es	
·				•
Ownersalo (Public, Private or		MPUS OPRV	() app	
Both Public and Privatel	1030		—	
Check Block If Federal Facility	1.014	<u>הבס</u>		
and give GSA inventory Control	1050			
Numoer	1020		1	
Location		Alvarado/7t	<u>h - Wilshire</u>	
Street & Number	tose tose			
-	1051	Los Angele	۹	
City		Los Angeles	3	
County	1055			·
	1050	<u>California</u>	1	
State . :	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Operation of	of Rapid Transit System	n
6. Nature of Business State the	1064.1			·
at the plant of operating facility.		l		
at the plant of out-official		AGENCY	1/87	
	1065	ACCINC		. •
			and the second second	
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7: Facility Intake Water (see Instruct	a a sugar Mara	4 *		6.
				ч
per day by sources. Estimate average volume per day in thousand				
callons per day.		0	- inousand gallons per day	
Municipal or private water system	1073	0.0		
	1075		thousand callons per day	
Surface water	1:22		_ thousand gallons per day	·
Groundwatter	107e			
	1074		_ thousand galions per day	
Other	144		thousand gallons per day	
Tatal Item 7	1074	· · · · · · · · · · · · · · · · · · ·	_ thousand gallons bell do y	
• .				
Tit there is intake water from	1071			
"other," Specify the source.				
1. Facility Water Use Estimate	- 1.1 -			
		124		
saidns ber day for the following saidns ber day for the following types of water usage at the locality	• <u> </u>	1,1		
(see instructions)	108	×. 0	thousand gallons per day	
Noncontact cooling water	104			
	108		thousand gallons der day	
Boller feed water	a 1995		I	
Process water (including contac	at (2.1   101		thousand gallons per day	
cooling water)	1	0		
Sanitary water	10	ad bs	thousand gallons per day	
	10	0.	thousand gallons per day	
Other*	1.0	0	4	
. Total Item 8		ar	thousand gallons per day	
*11 there are discharges to	10	P8g		
"Otner," SOECIT7.				
in an in Southary' water use. 9	pive .	0	people served .	
the number of people served.	[ ''			

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## FORM APPROVED OME No. 156-R0100

# FOR AGENCY USE

	II Facility Olsenarge ossess Number and sstructions) Volume	Specify Ine				. 10			
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4	veräge volume per d Jallons per Cay.			Points	· · · · · · · · · · · · · · · · · · ·	Chousand Gal/Oa	× .		
	Surface Water		10231 -		- 10942 -				
			10901	0	10502	0.	-		
1	Sanitary wastewater system		. • .	1	10502	2.2	_		
:	Slorm water transpo	ort system	109c1						
	Completed sanitary water transport syst	and storm	10941	0	10542		_		
	Surface Impoundme		109=1	0	109=2	0			
		ution .	109112	0	109#21				
	Underground barco	*	10591	0	10992				
	Weil Injection		1 363	0		0			
	Waste acceptance f	1rm *	10901	<u> </u>	- 10987 Silatar				
	Evaporation		10911		10912	Q			
			38.0340 109[1])		10512	Ç		÷ .	
	Consumption	•	1.000	0	103×2		· ·	•	
	Other"		103K1						
	Facility discharges Total Item 9	and volume	10911		1051Z -	2.2			ŀ
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		and Applications				and the discharges	from this facilit	A (see justingene	trafe
10	Permits, Licenses List all existing, p	and Applications ending or denied pe	rmits, lice	nses and a	applications rel	sted to discharges	from this facilit	Oate	Expiration
10	Permits, Licenses List all existing, p Issuing Agency	and Applications rending or denied pe For Agency Use	Type of i or Lice	Permit ense	10 Number	Filed	Issued YR/MO/DA	YR/MO/OA	YR/MO/DA
	Issuing Agency	For Assncy Use	Type of or Lice	Permit ense	10 Number	Filed	Issued YR/MO/DA	Denied	YR/MO/DA
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FORM APPROVED ONE No. 155-R0100

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	FOR AGENCY USE
COMMERCIAL	

## STANDARD FORM C - MANUFACTURING AND

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## SECTION IL BASIC DISCHARGE DESCRIPTION

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Complete this section for each discharge indicated in Section 1, Item 9, that is to surface waters. This includes discharges to municipal sewerage Complete this section for each discharge indicated in Section I, item 9, that is to surface waters. This includes discharges to municipal severage systems ill which the wastewater does holl go through a treatment works Drior to being discharged to surface waters. Oischarges 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	1 007	
	a. Discharge Serial No. (see instructions)	2013	
	<ul> <li>Discnarge Name</li> <li>Give name of discnarge, if any.</li> <li>(see instructions)</li> </ul>	Drain, A-175-187, Wilshire/Alvarado Stat: Operations	Lon
	c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section 1), provide previ- ous discharge serial number.	zoie	
2.	Discharge Oberating Dates		
	<ol> <li>Discharge Began Date If the discharge Described below is in operation, give the date (withIn best estimate) the discharge began.</li> </ol>	ZOZA 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 etti- mate) the discharge will begin.	202b <u>90</u> 7 YR MO	Υ - <sup>-</sup>
	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.	ZDZE CONTINUING	с
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.	California	Agency Use
	* State	204a	
•	County	204b Los Angeles	204e
	(if applicable) City or Town	204e Los Angeles	
5.	Discharge Point Description Discharge is into (Check One); (See instructions)		
	Stream (includes ditches, arroyos, and other intermittent watercourses)	205.8 STR	
	Lake .	<b>CLKE</b>	
	Ocean		
	Municipal Sanitary Wastewater Transport System	□mts .	
•••••	Municipal Comblined Sanitary and Storm Transport System	[]MCS 17-1	

: · ·	DISCHARGE SERIAL NUMBER 57
	FOR AGENCY USE
Municipal Storm Water Transport System	\$15r5
viet (Injection)	
Other	
If 'other' is checked, specify	2038
6. Discharge Point - Lat/Long Give	
of discharge to the nearest second.	2064 34 DEG 2 MIN 30 SEC
Latitude	2050 118 DEC 15 MIN 00_SEC
<ol> <li>Discharge Receiving Water Name Name the waterway at the point of discharge.(see instructions)</li> </ol>	207. Storm Drain, to Los Angeles River
If the discharge is through an out- fall that extends beyond the shore- line or is Delow the mean low " water line, complete Item 8	207b For Agency Use For Agency Use 303e
<ul> <li>a. Discharge Distance, from Shore</li> </ul>	208afeet
b. Discharge Debth Below Water Surface	2010feet
9. Discharge Type and Occurrence	
a. Type of Discharge Check whether the discharge is con- tinuous or intermittent. (see instructions)	2093 🕅 (con) Continuous
b. Discharge Occurrence Days per Week Enter the average num- ber of days per week (during periods of discharge) this dis- charge occurs.	209b Zdays Der week
<ul> <li>Discharge Occurrence —MonthS   If this discharge normally ;</li> </ul>	2095 DIAN OFEB OMAR DAPR
operates (either intermittently, o or continuously) on less than	
a year-around basis (excluding shutoowns for routine mainte- nance), check the months dur- ing the year when the discharge	
is operating. (see instructions)	
Complete Items 10 and 11 if "inter- nittent" is checked in Item 9.a )therwise, proceed to Item 12:	
<ol> <li>Intermittent Discharge Quantity State the average volume per dis- charge occurrence in thousands of gallons.</li> </ol>	210
11. Intermittent Discharge Duration	
and Frequency a, Intermittent Discharge Ouration Per Day State Ine average number of hours per day the	n 211a <u>N/A</u> nours per day
discharge is operating. b. Intermittant Oischarge Frequency State the average number of discharge Occur- rences ber day during days when discharging.	211bdischarge occurrences per day
12. Maximum Flow Period Give the	m 212 From <u>10 to 5</u>

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ŧ₽ DISCHARGE SERIAL NUMBER 035 FOR AGENCY USE Ð DISCHARGE SERIAL NUMBER FORM APPROVED OMB No. 158-R0100 035 FOR AGENCY USE Piped discharges to stormdrains from station 13, Activity Description Give a 213a nairative descriction of activity between 7th and Wilshire, east of Alvarado producing this discharge-(see instructions) west of the Los Angeles River. Activities include collection/treatment of seepage, stormwater inflow, washdown, and equipment drainage 6 Not applicable, Operation activities associated 14. Activity Causing Discharge For each SIC Code which describes with Rapid Transit System 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 Raw Materials а. Shared Discharges ŧ. Unit Maximum (Serial Number) Amount/Day (See Table I) Name SIC Code (5) (4) (3)... (2) (1) 2144 . . . - -· . • . • • Shared Discharges b. Products Maximum Unit (Serial Number) aunt/Dav (See Table I)

all fants	Name	Annoann/04/	(		_
SIC Code				151	
		(3)	[4]	131	_
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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 Dest estimate.(Si

Parameter .216	Present	Parameter 216	Present
Color 10080		Copper 01042	
Ammona		lron 01045	
00610 Dreanic nitrogen 00605		- Lead 01051	
Nitrate 00620	x	Magnesium 00927	
Nitrite . 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945	x	Molybdenum 01062	
Sulfide		Nickel 01067	*
Sulfite 00740		Seienium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	X	Potassium . 00937	X
Cyanida 00720 -		Sodium 00929	X
Fiuoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Aleicides" 74051	
Barium 01007		Chlorinated organic compounds <sup>a</sup> 74052	
Boron 01022	••	Pesticides" - 74053	
Cadmium		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.

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1, \* 11 X

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.

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### 17. Description of Intake and Discharge

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FOR AGENCY USE

For each of the parameters listed below, enter in the appropriate box the value of code letter answer called for (see instructions). In addition, enter the parameter name and code and all reducted values for any of the following parameters if they were checked in item 16: ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, cooper, lead, mercury, nickel, selenium, and, on and orease, and chiorine (residual).

				1				
	. Iníl	uent	-		Effluent			
Parameter and Code	Untreated Intake Water (Daily Average)	In-Plant Trealed Dalake Waler (Daily Average)	L Daily Average	Minimum Value Observed or Expected During Divense Activity	Alaxlanum Value Alaxlanum Value Observed or Expected During Discharge Activity	S Frequency af Analysis	S Anatracs	6 Sample Type
Flow= Gallons per day 00056	2200	· 0	2200	0	33,900	Annual	· ·	
pH Units 00400	7.0		$\mathbf{X}$	6.0	8.0			<u>-</u>
Temperature (winter) *F 74023	ND		+ 2 <sup>0</sup> c .	+ 2° c	+ 2° c	• .		
Temperature (summer) * F 74027	ND .		+ 2 <sup>°</sup> c	<u>+</u> 2 <sup>°</sup> c	<u>+</u> 2 <sup>°</sup> c	r		
Biochemical Oxygen Demand (BOD 5-day) mg/1 00310	ND (0)							
Chemical Oxygen Demand (COD) mg/l 00340	ND (0)		_	-				
Total Suspended (nonfilterable) Solids mg/I 00530	150	· · ·	50	10	150			•.
Specific Conductance micromhos/cm at 25° C 00095	200–1500			200	1500			
Settleable Matter (residue) - ml/l · 00545	ND				······································	•		

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

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		DISCHARG	e serial nui 035	MBER			OMB No	ENCY USE
17. (Cant'd.) -					•	:		
	Ir	niluent			• •	E[fluent		
Paramete: and Code	Intake erage)	realed iter eraec)	29 02 19	· · ·	ar Durlag	n Value or I During : Activity	jo k	of

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Parameter and Code	Untrealed Intak B Water (Daily Average)	In-Plant Treate Datake Water (Daily Average)	. Daily Average	Minimum Valu Observed or E Expected Durl Discharge Activity	Maxinum Val Observed or S. Expected Duri Discharge Acti	S Analysis	Analyses	Sample Type
Oil/Grease 00550	0				19	annual		
			<u>  </u>	<u> </u>	 		<u> </u>	<u> </u>
			·					
· ·							<u> </u>	<u> </u>
					· ·			
		1						

18. Plant Centrels 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 discnarge is treated with any conaitioner, inhibitor, or algicide, .... answer the following:

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- a. Name of Material (s)
- b. Name and address of manufacturer
- c. Quantity (pounds added per million galions of water treated).

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			DISCHARGE SERIAL NUMBER	FOR AGENCY I
			N/A	
	dCnemical composition of these additives (see instructions).	Z19d		
(e.ç pia ma	mplete items 20-25 if there is a thermal d g., associated with a steam and/or power nt, steel mill, petroleum refinery, or any nutacturing processi and the total dischar million gallons per day or more. (see int	eneratio otner ge flow		
zo.	Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions)	220	N/A	
	Soller Slowdown	1.1.1	T SLSO	
	Boiler Chemical Cleaning	5.00 		
	Ash Pond Overflow			
	Boiler Water Treatment - Evapora-		Перво	
	tor Blowdown			
	Oil or Coal Fired Plants — Effluent from Air Pollution Control <sub>-</sub> Oevices		OCFP	
	Condense Cooling Water		CONO	
	Cooling Tower Slowdown	1.00	Ство	
	Manufacturing Process		MFPR	
	Other ·	1999 A. S. 1997 A. S. 1997 A. S. 1997 A. S.	DOTHR	
21.	Discharge/Receiving Water Temper- ature Différence		N/A	
	Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions.			ŕ -
	(see instructions) Summer	2212	°F.	1
	Winter	2215	°F.	
22.	Discharge Temperature, Rate of Change Per Hour	1222 )	OF./hour N/A	
	Give the maximum Possible rate of temperature change per hour of discharge under operating con- ditions, (see Instructions)			
23.	Water TemPerature, Percantile Report (Frequency of Occurrence)			
	In the table below, enter the		N/A	
	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	2234	0 <sub>F</sub> 0 <sub>F</sub> .0 <sub>F</sub>	
	(Subject to natural changes) b. Discharge Water Temperature	2235	0 <sub>F</sub> 0 <sub>F</sub> 0 <sub>F</sub> • • •	
z4.	Water Intake Velocity	224	1eet/Sec. N/A	
Z\$.	(see Instructions) Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge	225	minutes	
	of cooling water. (see instructions)			

EPA Form 7550-23 (7-73)

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		DISCHARGE SERIAL NUMBER	FOR AGENCY
26. A	sditional Informa	hon	
226	item -	Information	
		See Attachment 8	
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### 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 (activities, Such reduirements 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 SCHEOULES (Item 1a.) ANO/OR STAGED CONSTRUCTION OF SEPARATE OPERATION UNITS (Item 1c), SUBMIT A SEPARATE SECTION III FOR EACH ONE

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1.	improvements	300		1		1.14	SCHED, NO	x mato - e e	syn of the	
	a. Discharse Serial Number		0	2	-	-	- y - N <u>-</u>			- ]
	Affected List the discharge	301a		3						
	serial numbers, assigned in	1.20								
	Section II, that are Covered by									
	this implementation schedule.									
								,		
	b. Authority Imposing Require-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
	ments Check the appropriate "	1 4 4 5 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1				•			. •	
	item indicating the authority for		N/A							
	Implementation schedule. If	· and make			. •					
	the Identical Implementation	m. Salar					•			
	schedule has been ordered by	See								
	more than one authority, check	S. Carl						· ·		
	the appropriate items. (see						•			
	Instructions)	1. 199.44							•	•
	Locally developed plan	3015	DLOC			-				
	Areawide Plan									
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	Basic Plan									
	State approved implementa-	1 March	🗆 ses							. r
	tion schedule	1.1.4								•
	Federal approved water	····								i dan series and a series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of t
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	State court order						*			
	Federal court order	and the second	🗌 FED				•			•
		AND ADD IN								
	C Facility Regulrement, Specify	1267261	3-characte	-						
	the 3-character code of those		(general)							
	listed below that best describes		(Activities)					•		
	in general terms the require- ment of the implementation	10,000								
	schedule and the applicable six-	.301c								
	character abatement code(S)	1 Same Same								
	from Table II of the Instruction									
	bookist. If more than one	3010	6-cnaracte	er – T			•		-	
	schedule applies to the facility	1000	(specific)							
	because of a staged construction		(see Table	(1)						
	schedule, state the stage of con-	1228								
	struction being described here							,		
	with the appropriate general									
	action code. Submit a separate	1.1					۰.	- · ·	1. 18 pt	
	Section III for each stage of	1000								
	construction planned.	1222								
	CONSTRUCTION DISTINGAY									

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

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• • •		
2. Implementation Schedule and 3. Actu-	I Completion Dates	·*•
	ny actual dates of completion for implementation steps list	ted below.
Indicate dates as accurately as possible.		
Implementation Steps	2. Sector and a sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the	Completion (Yr./Mo./Oay)
> Preliminary plan complete	- 302a	
b. Final plan submission.		····/
	- 302c// 303c/_	
🖕 Final plan complete	3034	
d. Financing complete & contract award	ed 302d/	
e. Site accuired	302e	
f. Begin action (e.g., construction)	303f/ 103f/	/ •
g. End action (e.g., construction)	3023/ 2039/-	/
h. Discharge Began	302h/////.	<u>*/</u> .
	302n 3021// 3031/	/
I. Operational level attained		· ·
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SCRTD METRO RAIL NPDES PERMIT APPLICATION ATTACHMENT A

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1

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- 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
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	2.2.1	Types of Discharges
	2.2.2	Discharge Flows

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- 2. Geologic, Well, and Water Quality Data for Boring in Metro Rail MOS-1.
- 3. Operations Wastewater Flows.

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- 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

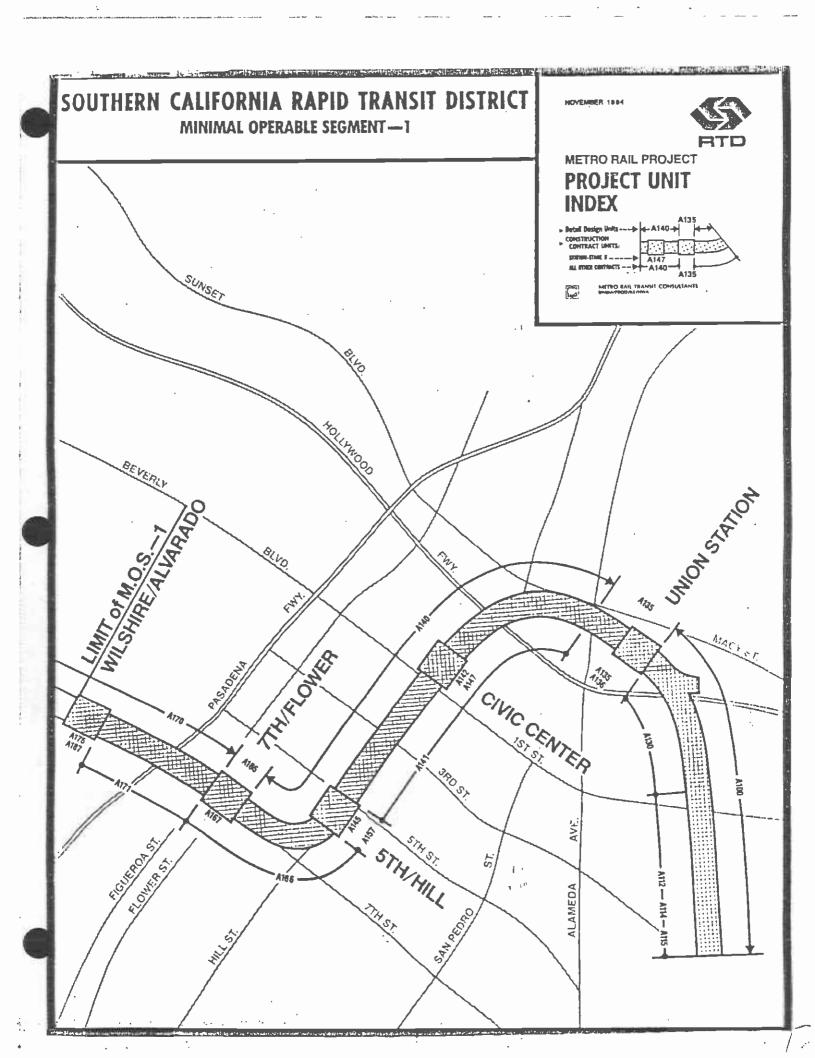
Metro Rail is a major transportation program of the Southern California Rapid Transit District (RTD) for Los Angeles City and County. The program will eventually consist of 18.6 miles of tunnels, 18 transit stations, and one major yard facility extending from south of the Union Station to North Hollywood 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 Oeclaration 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).

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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

o Stage II

Finish

Rendering concrete walls Place mechanical and electrical equipment

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1986 1987 1968 1989 1990 9/10 7/6 11/12 1/2 3/4 5/8 7/8 9/10 11/12 1/2 3/4 5/8 7/8 9/10 11/12 1/2 3/4 5/6 7/8 8/10 11/12 1/2 3/4 5/6 EAST A 130 YARD LEAD المراهدين بياميره توار للمسادية بالجريج ويسابعه لجم بطي Acres 101246 ..... ..... WEST EAST A135 UNION STATION ..... \*\*\*\*\*\*\*\*\* ...... ....... ....... A141 US - CG TUNNEL dettes 1 mm a seis a féin a sin 1 mm 1 ....... \*\*\*\*\* ....... CIVIC CENTER STATION \*\*\*\*\*\* \*\*\*\*\*\* ..... ...... ..... ..... CC - 5/H TUNNEL" 3 -----....... ..... ...... A145 5/H STATION -----A148 5/H - 7/F TUNNEL -----A165 7/F STATION ••••• ..... A171 7/F - W/A TUNNEL 1.0.000 ................. ...... ..... ..... ..... ..... ..... ...... ...... A175 W/A STATION ... ..... ............ RAINFALL AND STORMWATER DEWATERING YARO LEAO UNION STATION US - CC TUNNEL **CIVIC CENTER STATION** -5 **5TH/HILL STATION** 5/H - 7/F TUNNEL TTH/FLOWER STATION 7/F - W/A TUNNEL W/ A STATION "THE PREMARTION OF THIS BRANNING HAS BEEN FINANCED IN PART THROUGH GRAATS FROM THE STATE OF CALEFORNIA THE CITY OF LOS ANGELES THE LOS ANGELES COUNTY TRANSPORTATION COMMISSION AND THE USE DERATIMENT OF TRANSPORTATION ADMINISTRATION LINGER THE URBAN MASS TRANSPORTATION ACT OF 1964 AS AMENDED." PECE PARSONS, DILLINGHAM, DE LEUW, CATHER & COMPANY SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT STATION EXCAVATION STATION CONCRETE TURNEL ACCESS SHAFT EXCAVATION TUNNEL BORING JOB NO. REV DOCUMENT NO. TITLE CONSTRUCTION/ACTIVITIES 0 10/14/88 NEDES PERMIT APPLICATION TUNNEL FINISHING FIGURE 2 AND WASTEWATER DISCHARGE

APVO DATE

REV OATE

DESCRIPTION

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

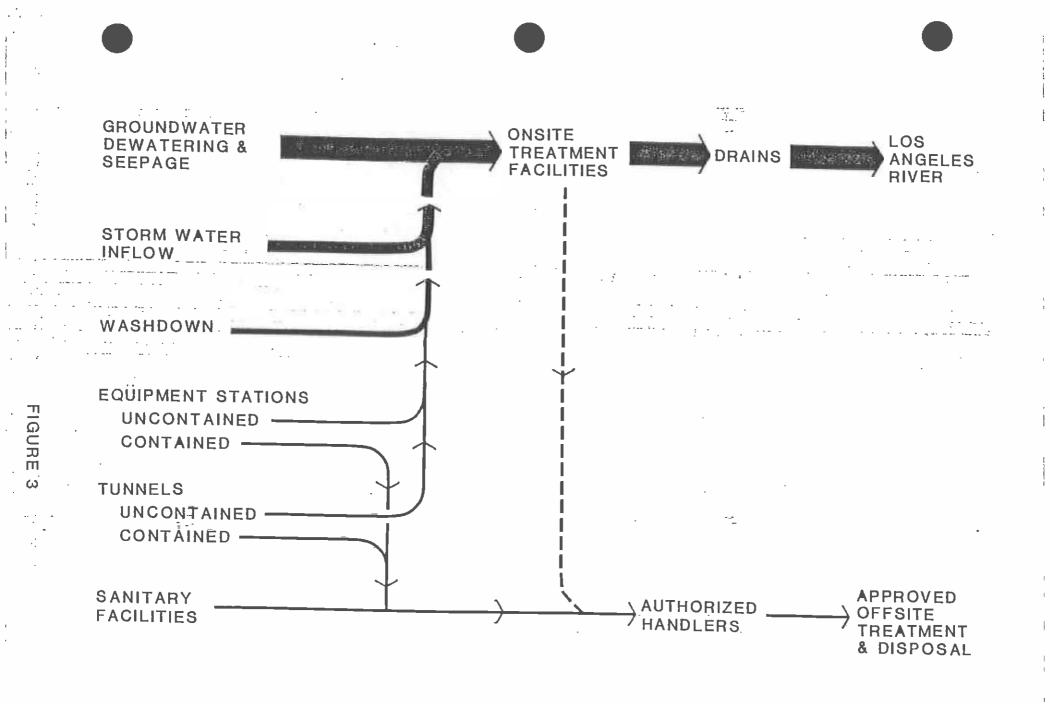
During the construction of MOS-1, the first segment of the Metro Rail program for the Southern California Rapid Transit District (RTD), numerous project sites will discharge treated wastewaters and waters to the local drains and stream channels from site storm water drainage and from dewatering of the 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

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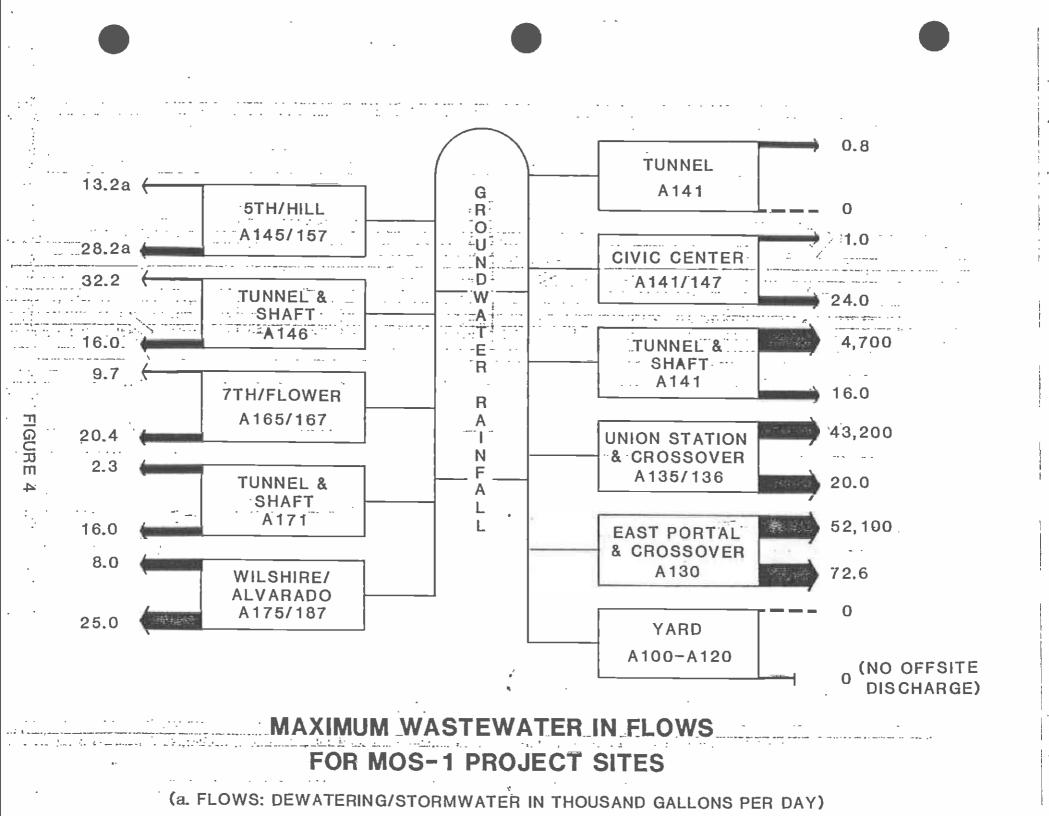
The largest discharges from construction sites (Figure 4) will be those from groundwater dewatering facilities, the largest being at the Union Station, East Junction, and Yard Portal south and east of Macy

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CONCEPTUAL DIAGRAM OF WASTEWATER FLOWS

FOR MOS-1 PROJECT SITES



and Alameda Streets. Signifcant 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

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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

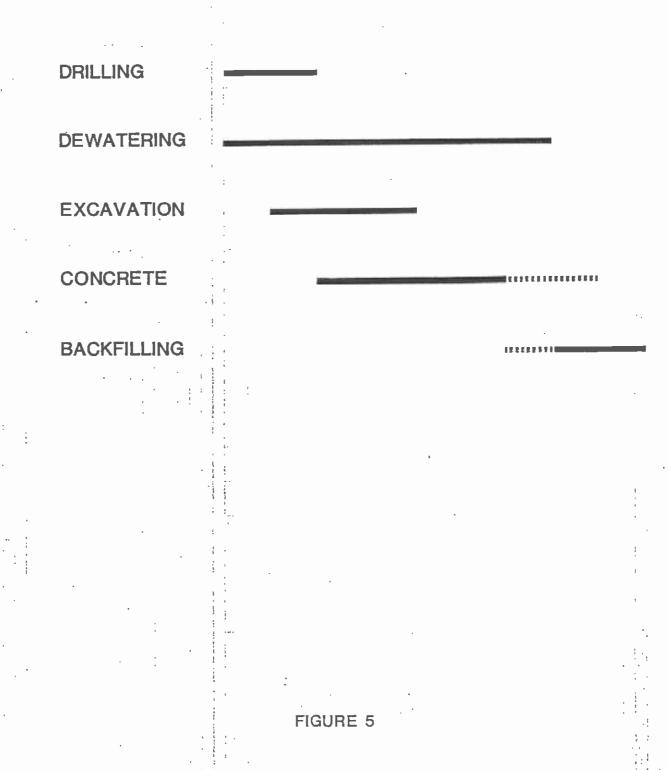
The general construction sequence of activities for Stage I will follow that in Figure 5, while the overall sequence of Stages I, II and III will follow the schedule shown in Figure 2. Volumes and durations of discharges will vary during the construction periods, although once excavations begin, dewatering 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.

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# GENERAL TEMPORAL SEQUENCE FOR STAGE I CONSTRUCTION



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The current schedules (Figure 2) indicate the following activities by month/year related to wastewater discharges:

Schedules (Based on dates established in September,1985)

			•	
	Soldier Pile Installation	Dewatering & Excavation	Box Closure and Backfill	Tunnel Boring
Sites		•		
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	
Tunnels	•			
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

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As indicated above, most excavation would 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

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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
- 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.

<u>Groundwater Dewatering</u> - 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 fine alluvium massive siltstone siltstone with fractures	0.03 cm/s 0.0001 cm/s 0.000001 cm/s 0.000001 cm/s	5.0 ft/d 8.5 ft/mon 1.03 ft/yr 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

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these reports, four general conditions can be distinguished within MOS-1:

- Saturated groundwater table in the alluvium under the Yard to Macy and New High/Spring Streets
- Artesian flow from rock aquifers at Wilshire/Alvarado site and possibly at Union Station
- Perched groundwater in alluvial lenses within dry alluvium from 4th/Hill to 7th/Figueroa to Wilshire/Alvarado
- 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 as 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 risaing 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)

	harge No. ect No.	001 A130	002 A135 A136	003 A141	004 A141 A147	005 A145 A157	006 A146	007 A <b>165</b> 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	<b>52030</b> .	43208	4708	0.6	13.2	32.2	9.7	2.3	8.0
	0ther	0	0	0	0	0	0	0	0	0
	TOTAL	52113	43238	4734	34.6	52.0	58.2	40.1	28.3	43.0
I.8	<u>USE</u>									
	Sanitary	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	<b>Others</b>	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
	TOTAL	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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	52113	43238	4734	34.6	52.0	58.2	40.1	28.3	43.0

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Sanitary wastes may be discharged with consignment wastes.
 \*\* Storm water and dewatering water may be discharged together.

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storm water and dewatering discharges from individual project sites and for overall MOS-1 discharge.

<u>Storm Water</u> - 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	Formati Thickne (feet) All* Bd	SS	Piezome Perform Depths(	ation	Sample Depth (feet)	Water Qua (mg/1) TDS Bor	-
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 6A	80	70		110-145	19 ·30 ·	20200 1050	38.0 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							
120	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.

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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:

Storm water, cleaning fluids, and sanitary wastes Yard Two sumps, north and south ends

Storm water, seepage inflow, and washdown Tunnels 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 combustible 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 dischaged 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)

				Yard		Tuni	nel		
Disch	narge No		020	021	022	023a	024 .	025	026
I.7	INFLOWS								
	Local Supply			•	-	-		-	-
	Surface		67 1062	236 3750	25 393	-	0.3	0.3	0.4 c
	Ground- water		-	 -₹,	-	-	-	-	-
TOTAL	Averag Maxim	je	67 1062	236 3750	25 393	0.0	0.3	0.3	0.4
1.8	<u>USES</u>			· "•	r	•*			
	Sanitary	∕-b	0	0	0	0	0	0	0
	Others		0	0	0	0	0	0	0
	TOTAL-b		0	ō	ō	ō	ō	ō	ō
I.9	DISCHAR	GES		1					
	Surface		-	-	-	-	-	-	-
	Sanitar	y		-	-	-	-	-	-
	Storm	Avg. Max.	67 1062	236 3750	25 393	0	0.3	0.3	0.4 c
	Consign	aent	-	-	-	-	-	-	-
ΤΟΤΑΙ	L Avera Maxim		66 1062	263 3750	25 393	0	0.3	0.3	0.4

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a. Discharge only after East Portal is constructed. b. Local supply and sanitary use and discyharge 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.

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# Table 3

# OPERATIONS WASTEWATER FLOWS (Cont'd)

# Operations Discharge Points and Flows (thousand gallons per day)

# Stations

			031	032	033	034	035
I.7	INFLOWS			•			
	Local Supply-	·b	-	-	-	-	-
	Surface	Avg. Max.	3.7 59.2	3.4 54.1	4.0 59.4	4.0 64.2	2.2 c 33.9
	Ground- water		-	-	-	-	-
TOTAL	. Avera Maxim		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>						
	Sanitar	∙y-b	0	0	0	0	0
	Others		0	0	0	0	0
	TOTAL		0	0	0	0	0
I.9	DISCHAR	GES					
	Surface	<u>.</u>	-	•••••	-	-	-
	Sanitar	у-р	-	**	-	-	-
	Storm	Avg. Max.	3.7 59.2	3 <b>.4</b> 54 <b>.</b> 1	4.0 59.4	4.0 64.2	2.2 c 33.9
	Consign	ment	-	-	-	-	-
TOTAL	AVERA MAXIM		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):

Permit Number	Area	Contract Number	Location in Los Angeles		
Tunnels		٠			
020 021 022 023 024	South Yard North Yard Yard Portal East Junction Union Station Tunnel	A-112 A-112 A-130 A-130 A-141	4th/Santa Fe Street 2nd/Santa Fe Street Commercial/Center Street Keller/Center Street Main/Macy Street		
025 026	5th/Hill Tunnel 7th/Flower Tunnel	A-146 A-171	6th-7th/Hill-Olive Streets 7th Street/Harbor Freeway		
Stations	:				
031 032 033 034 035	Union Station Civic Center 5th/Hill 7th/Flower Wilshire/ Alvarado	A-135/136 A-141/147 A-145/157 A-165/167 A-175/187	West Alameda Street, end South, First Street, end South, 5th Street, end West, Lebanon Street, end West, Alvarado Street, end		

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