

ERRATA SHEET
TENTATIVE ORDER NO. R9-2010-0120, NPDES NO. CA0107433

WASTE DISCHARGE REQUIREMENTS FOR THE CITY OF OCEANSIDE
SAN LUIS REY WATER RECLAMATION FACILITY, LA SALINA WASTEWATER TREATMENT PLANT, AND
MISSION BASIN DESALTING FACILITY DISCHARGES TO THE PACIFIC OCEAN
VIA THE OCEANSIDE OCEAN OUTFALL

The following changes have been made to Tentative Order No. R9-2010-0120. Changes below are shown in **bold and underline**/strikeout format to indicate added and removed language, respectively.

Errata No.	Page No.	Section/ Table	Revision
1	4	Portion of Table 4	<p>Facility Permitted Discharge Flow Rate (average monthly flow)</p> <ul style="list-style-type: none"> • San Luis Rey Water Reclamation Facility (SLRWRF) - 13.5 million gallons per day (MGD) <u>discharge to the OOO through the land outfall; or up to 15.4 MGD if written authorization is obtained from the San Diego Water Board pursuant to section VI.C.5.a.ii. of this Order.</u> • La Salina Wastewater Treatment Plant (LSWTP) - 5.5 MGD • Mission Basin Desalting Facility (MBDF) – 2.0 MGD <p>Combined discharge to the Oceanside Ocean Outfall, including discharges from the SLRWRF, LSWTP, MBDF, Genentech, Fallbrook Public Utility District (PUD), and US Marine Corps Camp Pendleton¹ – 22.6 MGD; however the permitted combined discharge flow rate to the Oceanside Ocean Outfall from the SLRWRF, LSWTP, BMGPFMBDF, Genentech, Fallbrook Public Utility District, and US Marine Corps Camp Pendleton may be increased to <u>23.1 MGD, 23.4 MGD, or 24.4 MGD</u> if written authorization is obtained from the San Diego Water Board pursuant to section VI.C.5.a.i of this Order.</p>

Errata No.	Page No.	Section/ Table	Revision
2	6	II.B	<p>In the ROWD the Discharger reported that OOO capacity may be increased from 22.6 MGD to 23.4 MGD if the muck from within the OOO is cleaned. The Discharger further stated that preliminary plans to clean the OOO <u>and/or replace a constricting portion of the OOO (the metering section)</u> were being considered. <u>The Discharger stated</u> that the OOO would be cleaned in 2015 <u>which would increase outfall capacity to 23.4 MGD. The Discharger further states that the replacement of the constricting portion of the OOO, where the metering section is located, alone would increase outfall capacity to 23.1 MGD and up to 24.4 MGD when combined with the cleaning of the OOO.</u> As such, Combined Effluent flow to the OOO greater than 22.6 MGD is prohibited until written approval from the San Diego Water Board is provided. Prior to the San Diego Water Board providing written approval to the Discharger to increase Combined Effluent flows to the OOO to <u>23.1 MGD, 23.4 MGD, or 24.4 MGD,</u> the Discharger must meet the requirements contained in section VI.C.5.a.i of this Order.</p> <p><u>In a December 2, 2010 comment to the San Diego Water Board regarding this Order the Discharger stated, “Additionally, the City is planning improvements to the land outfall that will increase the capacity of the land outfall to accommodate the 15.4 maximum 30-day capacity of the SLRWRF. To address the City’s current ability to treat more than 13.5 MGD at the SLRWRF using onsite storage, and to address planned improvements to the capacity of the land outfall, it is requested that [the permit allow for an increase of flow from SLRWRF to the OOO through the land outfall from 13.5 MGD to 15.4 MGD].”</u></p> <p><u>Because the overall discharge volume of the OOO would not be increased and the permitted volume of flow from SLRWRF would not increase (Order No. R9-2005-0136 authorized a discharge of 15.4 MGD even though the land outfall capacity was not sufficient to transport this volume to the OOO), the San Diego Water Board has established conditional requirements to ensure adequate capacity is available in the land outfall prior to allowing the discharge of 15.4 MGD from SLRWRF, as specified in section VI.C.5.a.ii of this Order.</u></p>

Errata No.	Page No.	Section/ Table	Revision
3	11	III.D	<p>The discharge of wastes from the SLRWRF <u>to the OOO through the land outfall</u> in excess of a monthly average effluent flow of 13.5 MGD is prohibited <u>until written notification is provided by the San Diego Water Board stating that the allowable SLRWRF discharge flow has been increased to 15.4 MGD, consistent with the requirements specified in section VI.C.5.a.ii of this Order.</u></p> <p><u>Written notification to increase the allowable flow rate from the SLRWRF to the OOO through the land outfall from 13.5 MGD to 15.4 MGD shall only be granted by the San Diego Water Board Executive Officer when the requirements of section VI.C.5.a.ii of this Order have been achieved and the San Diego Water Board Executive Officer concludes that the available effluent capacity through the land outfall to the OOO is available and properly certified.</u></p>
4	11	III.G	<p>Combined Effluent (discharge of waste from SLRWRF, LSWTP, MBDF, Genentech, Fallbrook Public Utility District, and US Marine Corps Camp Pendleton) in excess of an average monthly flow rate of 22.6 MGD through the OOO at Discharge Point No. 001 (Monitoring Location M-005, as specified in Attachment E of this Order) is prohibited until written notification is provided by the San Diego Water Board stating that the Combined Effluent flow to the OOO has been increased <u>consistent with the requirements of section VI.C.5.a.i of this Order.</u> Once written notification has been provided to the Discharger by the San Diego Water Board, Combined Effluent through the OOO at Discharge Point No. 001 (Monitoring Location M-005, as specified in Attachment E of this Order) in excess <u>of the applicable</u> average monthly flow rate is prohibited.</p> <p>Written notification to increase the allowable flow rate for the OOO from 22.6 MGD shall only be granted by the San Diego Water Board Executive Officer when the requirements of section VI.C.5.a.i of this Order have been achieved and the San Diego Water Board Executive Officer concludes that the available effluent capacity through the OOO is available <u>and properly certified.</u></p>

Errata No.	Page No.	Section/ Table	Revision							
			Parameter	Units	Average Monthly	Average Weekly	Maximum Daily	Instantaneous Minimum	Instantaneous Maximum	6-Month Median
5	12	Table 7	Table 7. SLRWRF Effluent Limitations at M-001							
			Effluent Limitations							
			Carbonaceous Biochemical Oxygen Demand (5-day @ 20°C) (CBOD ₅) ¹	mg/L	25	40	--	--	--	--
				lbs/day ²	2,814	4,504	--	--	--	--
				lbs/day³	3,211	5,137	--	--	--	--
			Total Suspended Solids (TSS) ¹	mg/L	30	45	--	--	--	--
				lbs/day ²	3,378	5,067	--	--	--	--
				lbs/day³	3,853	5,780	--	--	--	--
			Oil and Grease	mg/L	25	40	--	--	75	--
				lbs/day ²	2,814	4,504	--	--	8,445	--
				lbs/day ³	3,211	5,137	--	--	9,633	--
			Settleable Solids	ml/L	1.0	1.5	--	--	3.0	--
			Turbidity	NTU	75	100	--	--	225	--
pH	standard units	--	--	--	6.0	9.0	--			
¹ The average monthly percent removal of CBOD ₅ and TSS shall not be less than 85 percent. ² <u>Applicable when the average monthly permitted flow is prohibited from exceeding 13.5 MGD.</u> ³ <u>Applicable when the average monthly permitted flow is prohibited from exceeding 15.4 MGD</u>										

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6	14	Portion of Table 10	<p>Table 10. Effluent Limitations at M-004</p> <table border="1"> <thead> <tr> <th rowspan="2">Parameter</th> <th rowspan="2">Units</th> <th colspan="6">Effluent Limitations¹</th> </tr> <tr> <th>Average Monthly</th> <th>Average Weekly</th> <th>Maximum Daily</th> <th>Instantaneous Minimum</th> <th>Instantaneous Maximum</th> <th>6-Month Median</th> </tr> </thead> <tbody> <tr> <td colspan="8" style="text-align: center;">OBJECTIVES FOR PROTECTION OF HUMAN HEALTH¹</td> </tr> <tr> <td rowspan="5">Tributyltin</td> <td>µg/L</td> <td>1.2E-01</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day²</td> <td>2.3E-02</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day³</td> <td>2.4E-02 2.3E-02</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day⁴</td> <td>2.4E-02</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day⁵</td> <td>2.4E-02</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td rowspan="5">TCDD Equivalents⁶⁴</td> <td>µg/L</td> <td>3.4E-07</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day²</td> <td>6.5E-08</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day³</td> <td>6.6E-08 6.6E-08</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day⁴</td> <td>6.6E-08</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day⁵</td> <td>6.9E-08</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table> <p>¹ Scientific “E” notation is used to express effluent limitations. In scientific “E” notation, the number following the “E” indicates that position of the decimal point in the value. Negative numbers after the “E” indicate that the value is less than 1, and positive numbers after the “E” indicate that the value is greater than 1. In this notation a value of 6.1E-02 represents 6.1 x 10⁻² or 0.061, 6.1E+02 represents 6.1 x 10² or 610, and 6.1E+00 represents 6.1 x 10⁰ or 6.1.</p> <p>² Applicable while the Combined Effluent flow to the OOO is prohibited from exceeding 22.6 MGD.</p> <p>³ Applicable while the Combined Effluent flow to the OOO is prohibited from exceeding 23.1 MGD (meter replacement only).</p> <p>⁴ Applicable while the Combined Effluent flow to the OOO is prohibited from exceeding 23.4 MGD (line cleaning only).</p> <p>⁵ Applicable while the Combined Effluent flow to the OOO is prohibited from exceeding 24.4 MGD (meter replacement and line cleaning).</p> <p>⁶⁴ TCDD equivalents represent the sum of concentrations of chlorinated dibenzodioxins (2,3,7,8-CDDs) and chlorinated dibenzofurans (2,3,7,8-CDFs) multiplied by their respective toxicity factors, as shown by the table below. USEPA Method 8280 may be used to analyze TCDD equivalents.</p>	Parameter	Units	Effluent Limitations ¹						Average Monthly	Average Weekly	Maximum Daily	Instantaneous Minimum	Instantaneous Maximum	6-Month Median	OBJECTIVES FOR PROTECTION OF HUMAN HEALTH¹								Tributyltin	µg/L	1.2E-01	--	--	--	--	--	lbs/day ²	2.3E-02	--	--	--	--	--	lbs/day ³	2.4E-02 2.3E-02	--	--	--	--	--	lbs/day ⁴	2.4E-02	--	--	--	--	--	lbs/day ⁵	2.4E-02	--	--	--	--	--	TCDD Equivalents ⁶⁴	µg/L	3.4E-07	--	--	--	--	--	lbs/day ²	6.5E-08	--	--	--	--	--	lbs/day ³	6.6E-08 6.6E-08	--	--	--	--	--	lbs/day ⁴	6.6E-08	--	--	--	--	--	lbs/day ⁵	6.9E-08	--	--	--	--	--
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Errata No.	Page No.	Section/ Table	Revision
7	15-22	Table 11	(See below for revisions)

Table 11. Performance Goals

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
OBJECTIVES FOR PROTECTION OF MARINE AQUATIC LIFE					
Arsenic, Total Recoverable	µg/L	4.4E+02	2.6E+03	6.8E+03	--
	lbs/day ²	8.3E+01	4.8E+02	1.3E+03	--
	lbs/day ³	8.5E+01	4.9E+02	1.3E+03	--
Cadmium, Total Recoverable	µg/L	8.8E+01	3.5E+02	8.8E+02	--
	lbs/day ²	1.7E+01	6.6E+01	1.7E+02	--
	lbs/day ³	1.7E+01	6.7E+01	1.7E+02	--
Chromium VI, Total Recoverable ⁴	µg/L	1.8E+02	7.0E+02	1.8E+03	--
	lbs/day ²	3.3E+01	1.3E+02	3.3E+02	--
	lbs/day ³	3.4E+01	1.3E+02	3.4E+02	--
Copper, Total Recoverable	µg/L	9.0E+01	8.8E+02	2.5E+03	--
	lbs/day ²	1.7E+01	1.7E+02	4.6E+02	--
	lbs/day ³	1.7E+01	1.7E+02	4.7E+02	--
Lead, Total Recoverable	µg/L	1.8E+02	7.0E+02	1.8E+03	--
	lbs/day ²	3.3E+01	1.3E+02	3.3E+02	--
	lbs/day ³	3.4E+01	1.3E+02	3.4E+02	--
Mercury, Total Recoverable	µg/L	3.5E+00	1.4E+01	3.5E+01	--
	lbs/day ²	6.6E-01	2.6E+00	6.6E+00	--
	lbs/day ³	6.7E-01	2.7E+00	6.7E+00	--

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Nickel, Total Recoverable	µg/L	4.4E+02	1.8E+03	4.4E+03	--
	lbs/day ²	8.3E+01	3.3E+02	8.3E+02	--
	lbs/day ³	8.4E+01	3.4E+02	8.4E+02	--
Selenium, Total Recoverable	µg/L	1.3E+03	5.3E+03	1.3E+04	--
	lbs/day ²	2.5E+02	1.0E+03	2.5E+03	--
	lbs/day ³	2.5E+02	1.0E+03	2.5E+03	--
Silver, Total Recoverable	µg/L	4.8E+01	2.3E+02	6.0E+02	--
	lbs/day ²	9.0E+00	4.4E+01	1.1E+02	--
	lbs/day ³	9.1E+00	4.4E+01	1.1E+02	--
Zinc, Total Recoverable	µg/L	1.1E+03	6.3E+03	1.7E+04	--
	lbs/day ²	2.0E+02	1.2E+03	3.2E+03	--
	lbs/day ³	2.0E+02	1.2E+03	3.2E+03	--
Cyanide, Total (as CN) ¹⁶²	µg/L	8.8E+01	3.5E+02	8.8E+02	--
	lbs/day ²	1.7E+01	6.6E+01	1.7E+02	--
	lbs/day ³	1.7E+01	6.7E+01	1.7E+02	--
Chlorine, Total Residual ¹⁷³	µg/L	1.8E+02	7.0E+02	5.3E+03	--
	lbs/day ²	3.3E+01	1.3E+02	1.0E+03	--
	lbs/day ³	3.4E+01	1.3E+02	1.0E+03	--
Ammonia (expressed as nitrogen)	µg/L	5.3E+04	2.1E+05	5.3E+05	--
	lbs/day ²	1.0E+04	4.0E+04	1.0E+05	--
	lbs/day ³	1.0E+04	4.0E+04	1.0E+05	--
Acute Toxicity	TUa	--	2.6E+01	--	--
Chronic Toxicity ⁵	TUc	--	8.8E+01	--	--
Phenolic Compounds (non-chlorinated) ⁶	µg/L	2.6E+03	1.1E+04	2.6E+04	--
	lbs/day ²	5.0E+02	2.0E+03	5.0E+03	--
	lbs/day ³	5.0E+02	2.0E+03	5.0E+03	--

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Chlorinated Phenolics ⁷	µg/L	8.8E+01	3.5E+02	8.8E+02	--
	lbs/day ²	1.7E+01	6.6E+01	1.7E+02	--
	lbs/day ³	1.6E+01	6.7E+01	1.7E+02	--
Endosulfan ⁸	µg/L	7.9E-01	1.6E+00	2.4E+00	--
	lbs/day ²	1.5E-01	3.0E-01	4.5E-01	--
	lbs/day ³	1.5E-01	3.0E-01	4.5E-01	--
Endrin	µg/L	1.8E-01	3.5E-01	5.3E-01	--
	lbs/day ²	3.3E-02	6.6E-02	1.0E-01	--
	lbs/day ³	3.4E-02	6.7E-02	1.0E-01	--
HCH ⁹	µg/L	3.5E-01	7.0E-01	1.1E+00	--
	lbs/day ²	6.6E-02	1.3E-01	2.0E-01	--
	lbs/day ³	6.7E-02	1.3E-01	2.0E-01	--
Radioactivity	pCi/L	Not to exceed limits specified in Title 17, Division 1, Chapter 5, Subchapter 4, Group 3, Article 3, Section 30253 of the California Code of Regulations, Reference to Section 30253 is prospective, including future changes to any incorporated provisions of federal law, as the changes take effect.			
OBJECTIVES FOR PROTECTION OF HUMAN HEALTH – NONCARCINOGENS					
Acrolein	µg/L	--	--	--	1.9E+04
	lbs/day ²	--	--	--	3.6E+03
	lbs/day ³	--	--	--	3.7E+03
Antimony	µg/L	--	--	--	1.1E+05
	lbs/day ²	--	--	--	2.0E+04
	lbs/day ³	--	--	--	2.0E+04
Bis(2-chloroethoxy) Methane	µg/L	--	--	--	3.9E+02
	lbs/day ²	--	--	--	7.3E+01
	lbs/day ³	--	--	--	7.4E+01

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Bis(2-chloroisopropyl) Ether	µg/L	--	--	--	1.1E+05
	lbs/day ²	--	--	--	2.0E+04
	lbs/day ³	--	--	--	2.0E+04
Chlorobenzene	µg/L	--	--	--	5.0E+04
	lbs/day ²	--	--	--	9.5E+03
	lbs/day ³	--	--	--	9.6E+03
Chromium (III), Total Recoverable	µg/L	--	--	--	1.7E+07
	lbs/day ²	--	--	--	3.2E+06
	lbs/day ³	--	--	--	3.2E+06
Di-n-butyl Phthalate	µg/L	--	--	--	3.1E+05
	lbs/day ²	--	--	--	5.8E+04
	lbs/day ³	--	--	--	5.9E+04
Dichlorobenzenes ¹⁰	µg/L	--	--	--	4.5E+05
	lbs/day ²	--	--	--	8.5E+04
	lbs/day ³	--	--	--	8.6E+04
Diethyl Phthalate	µg/L	--	--	--	2.9E+06
	lbs/day ²	--	--	--	5.5E+05
	lbs/day ³	--	--	--	5.5E+05
Dimethyl Phthalate	µg/L	--	--	--	7.2E+07
	lbs/day ²	--	--	--	1.4E+07
	lbs/day ³	--	--	--	1.4E+07
4,6-dinitro-2-methylphenol	µg/L	--	--	--	1.9E+04
	lbs/day ²	--	--	--	3.6E+03
	lbs/day ³	--	--	--	3.7E+03

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
2,4-dinitrophenol	µg/L	--	--	--	3.5E+02
	lbs/day ²	--	--	--	6.6E+01
	lbs/day ³	--	--	--	6.7E+01
Ethylbenzene	µg/L	--	--	--	3.6E+05
	lbs/day ²	--	--	--	6.8E+04
	lbs/day ³	--	--	--	6.9E+04
Fluoranthene	µg/L	--	--	--	1.3E+03
	lbs/day ²	--	--	--	2.5E+02
	lbs/day ³	--	--	--	2.5E+02
Hexachlorocyclopentadiene	µg/L	--	--	--	5.1E+03
	lbs/day ²	--	--	--	9.6E+02
	lbs/day ³	--	--	--	9.7E+02
Nitrobenzene	µg/L	--	--	--	4.3E+02
	lbs/day ²	--	--	--	8.1E+01
	lbs/day ³	--	--	--	8.2E+01
Thallium, Total Recoverable	µg/L	--	--	--	1.8E+02
	lbs/day ²	--	--	--	3.3E+01
	lbs/day ³	--	--	--	3.4E+01
Toluene	µg/L	--	--	--	7.5E+06
	lbs/day ²	--	--	--	1.4E+06
	lbs/day ³	--	--	--	1.4E+06
1,1,1-trichloroethane	µg/L	--	--	--	4.8E+07
	lbs/day ²	--	--	--	9.0E+06
	lbs/day ³	--	--	--	9.1E+06

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
OBJECTIVES FOR PROTECTION OF HUMAN HEALTH – CARCINOGENS					
Acrylonitrile	µg/L	--	--	--	8.8E+00
	lbs/day ²	--	--	--	1.7E+00
	lbs/day ³	--	--	--	1.7E+00
Aldrin	µg/L	--	--	--	1.9E-03
	lbs/day ²	--	--	--	3.6E-04
	lbs/day ³	--	--	--	3.7E-04
Benzene	µg/L	--	--	--	5.2E+02
	lbs/day ²	--	--	--	9.8E+01
	lbs/day ³	--	--	--	9.9E+01
Benzidine	µg/L	--	--	--	6.1E-03
	lbs/day ²	--	--	--	1.1E-03
	lbs/day ³	--	--	--	1.2E-03
Beryllium	µg/L	--	--	--	2.9E+00
	lbs/day ²	--	--	--	5.5E-01
	lbs/day ³	--	--	--	5.5E-01
Bis(2-chloroethyl) Ether	µg/L	--	--	--	4.0E+00
	lbs/day ²	--	--	--	7.5E-01
	lbs/day ³	--	--	--	7.6E-01
Bis(2-ethylhexyl) Phthalate	µg/L	--	--	--	3.1E+02
	lbs/day ²	--	--	--	5.8E+01
	lbs/day ³	--	--	--	5.9E+01
Carbon Tetrachloride	µg/L	--	--	--	7.9E+01
	lbs/day ²	--	--	--	1.5E+01
	lbs/day ³	--	--	--	1.5E+01

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Chlorodane ¹¹	µg/L	--	--	--	2.0E-03
	lbs/day ²	--	--	--	3.8E-04
	lbs/day ³	--	--	--	3.9E-04
Chlorodibromomethane	µg/L	--	--	--	7.6E+02
	lbs/day ²	--	--	--	1.4E+02
	lbs/day ³	--	--	--	1.4E+02
Chloroform	µg/L	--	--	--	1.1E+04
	lbs/day ²	--	--	--	2.2E+03
	lbs/day ³	--	--	--	2.2E+03
DDT ¹²	µg/L	--	--	--	1.5E-02
	lbs/day ²	--	--	--	2.8E-03
	lbs/day ³	--	--	--	2.9E-03
1,4-dichlorobenzene	µg/L	--	--	--	1.6E+03
	lbs/day ²	--	--	--	3.0E+02
	lbs/day ³	--	--	--	3.0E+02
3,3'-dichlorobenzidine	µg/L	--	--	--	7.1E-01
	lbs/day ²	--	--	--	1.3E-01
	lbs/day ³	--	--	--	1.4E-01
1,2-dichloroethane	µg/L	--	--	--	2.5E+03
	lbs/day ²	--	--	--	4.6E+02
	lbs/day ³	--	--	--	4.7E+02
1,1-dichloroethylene	µg/L	--	--	--	7.9E+01
	lbs/day ²	--	--	--	1.5E+01
	lbs/day ³	--	--	--	1.5E+01

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Dichlorobromomethane	µg/L	--	--	--	5.5E+02
	lbs/day ²	--	--	--	1.0E+02
	lbs/day ³	--	--	--	1.0E+02
Dichloromethane	µg/L	--	--	--	4.0E+04
	lbs/day ²	--	--	--	7.5E+03
	lbs/day ³	--	--	--	7.6E+03
1,3-dichloropropene	µg/L	--	--	--	7.8E+02
	lbs/day ²	--	--	--	1.5E+02
	lbs/day ³	--	--	--	1.5E+02
Dieldrin	µg/L	--	--	--	3.5E-03
	lbs/day ²	--	--	--	6.6E-04
	lbs/day ³	--	--	--	6.7E-04
2,4-dinitrotoluene	µg/L	--	--	--	2.3E+02
	lbs/day ²	--	--	--	4.3E+01
	lbs/day ³	--	--	--	4.4E+01
1,2-diphenylhydrazine	µg/L	--	--	--	1.4E+01
	lbs/day ²	--	--	--	2.7E+00
	lbs/day ³	--	--	--	2.7E+00
Halomethanes ¹³	µg/L	--	--	--	1.1E+04
	lbs/day ²	--	--	--	2.2E+03
	lbs/day ³	--	--	--	2.2E+03
Heptachlor	µg/L	--	--	--	4.4E-03
	lbs/day ²	--	--	--	8.3E-04
	lbs/day ³	--	--	--	8.4E-04

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Heptachlor Epoxide	µg/L	--	--	--	1.8E-03
	lbs/day ²	--	--	--	3.3E-04
	lbs/day ³	--	--	--	3.4E-04
Hexachlorobenzene	µg/L	--	--	--	1.8E-02
	lbs/day ²	--	--	--	3.5E-03
	lbs/day ³	--	--	--	3.5E-03
Hexachlorobutadiene	µg/L	--	--	--	1.2E+03
	lbs/day ²	--	--	--	2.3E+02
	lbs/day ³	--	--	--	2.4E+02
Hexachloroethane	µg/L	--	--	--	2.2E+02
	lbs/day ²	--	--	--	4.1E+01
	lbs/day ³	--	--	--	4.2E+01
Isophorone	µg/L	--	--	--	6.4E+04
	lbs/day ²	--	--	--	1.2E+04
	lbs/day ³	--	--	--	1.2E+04
N-nitrosodimethylamine	µg/L	--	--	--	6.4E+02
	lbs/day ²	--	--	--	1.2E+02
	lbs/day ³	--	--	--	1.2E+02
N-nitrosodi-N-propylamine	µg/L	--	--	--	3.3E+01
	lbs/day ²	--	--	--	6.3E+00
	lbs/day ³	--	--	--	6.4E+00
N-nitrosodiphenylamine	µg/L	--	--	--	2.2E+02
	lbs/day ²	--	--	--	4.1E+01
	lbs/day ³	--	--	--	4.2E+01

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
PAHs ¹⁴	µg/L	--	--	--	7.7E-01
	lbs/day ²	--	--	--	1.5E-01
	lbs/day ³	--	--	--	1.5E-01
PCBs ¹⁵	µg/L	--	--	--	1.7E-03
	lbs/day ²	--	--	--	3.2E-04
	lbs/day ³	--	--	--	3.2E-04
1,1,2,2-tetrachloroethane	µg/L	--	--	--	2.0E+02
	lbs/day ²	--	--	--	3.8E+01
	lbs/day ³	--	--	--	3.9E+01
Tetrachloroethylene	µg/L	--	--	--	1.8E+02
	lbs/day ²	--	--	--	3.3E+01
	lbs/day ³	--	--	--	3.4E+01
Toxaphene	µg/L	--	--	--	1.8E-02
	lbs/day ²	--	--	--	3.5E-03
	lbs/day ³	--	--	--	3.5E-03
Trichloroethylene	µg/L	--	--	--	2.4E+03
	lbs/day ²	--	--	--	4.5E+02
	lbs/day ³	--	--	--	4.5E+02
1,1,2-trichloroethane	µg/L	--	--	--	8.3E+02
	lbs/day ²	--	--	--	1.6E+02
	lbs/day ³	--	--	--	1.6E+02
2,4,6-trichlorophenol	µg/L	--	--	--	2.6E+01
	lbs/day ²	--	--	--	4.8E+00
	lbs/day ³	--	--	--	4.9E+00

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Vinyl Chloride	µg/L	--	--	--	3.2E+03
	lbs/day ²	--	--	--	6.0E+02
	lbs/day ³	--	--	--	6.1E+02

¹ Scientific “E” notation is used to express certain values. In scientific “E” notation, the number following the “E” indicates that position of the decimal point in the value. Negative numbers after the “E” indicate that the value is less than 1, and positive numbers after the “E” indicate that the value is greater than 1. In this notation a value of 6.1E-02 represents 6.1 x 10⁻² or 0.061, 6.1E+02 represents 6.1 x 10² or 610, and 6.1E+00 represents 6.1 x 10⁰ or 6.1.

² **If the Discharger can demonstrate to the satisfaction of the San Diego Water Board (subject to USEPA approval) that an analytical method is available to reliably distinguish between strongly and weakly complexed cyanide, performance goals may be evaluated with the combined measurement of free cyanide, simple alkali metals cyanides, and weakly complexed organometallic cyanide complexes. In order for the analytical method to be acceptable, the recovery of free cyanide from metal complexes must be comparable to that achieved by the approved method in 40 CFR Part 136, as revised May 14, 1999. Applicable while the Combined Effluent to the OOO is prohibited from exceeding 22.6 MGD.**

³ **The water quality objectives for total chlorine residual applicable to intermittent discharges not exceeding two hours, shall be determined through the use of the following equation:**

$$\log y = -0.43 (\log x) + 1.8,$$
where y =the water quality objective (in ug/l) to apply when chlorine is being discharged;
x =the duration of uninterrupted chlorine discharge in minutes.
Actual effluent limitations for total chlorine, when discharging intermittently, shall then be determined according to Implementation Procedures for Table B from the Ocean Plan, using a minimum probable initial dilution factor of 87 and a flow rate of 22.6 MGD.
 Applicable while the Combined Effluent to the OOO is prohibited from exceeding 23.4 MGD (mass-based limits calculated based on a total flow of 22.9 MGD).

⁴ Dischargers may, at their option, apply this performance goal as a total chromium performance goal.

⁵ Chronic toxicity expressed as Chronic Toxicity Units (TUc) = 100/NOEL, where NOEL (No Observed Effect Level) is expressed as the maximum percent effluent or receiving water that causes no observable effect on a test organism.

⁶ Non-chlorinated phenolic compounds represent the sum of 2,4-dimethylphenol, 4,6-Dinitro-2-methylphenol, 2,4-dinitrophenol, 2-methylphenol, 4-methylphenol, 2-Nitrophenol, 4-nitrophenol, and phenol.

⁷ Chlorinated phenolic compounds represent the sum of 4-chloro-3-methylphenol, 2-chlorophenol, pentachlorophenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol.

⁸ Endosulfan represents the sum of alpha-endosulfan, beta-endosulfan, and endosulfan sulfate.

⁹ HCH (hexachlorocyclohexane) represents the sum of the alpha, beta, gamma (Lindane), and delta isomers of hexachlorocyclohexane.

¹⁰ Dichlorobenzenes represent the sum of 1,2- and 1,3-dichlorobenzene.

¹¹ Chlordane shall mean the sum of chlordane-alpha, chlordane-gamma, chlordane-alpha, chlordane-gamma, nonachlor-alpha, nonachlor-gamma, and oxychlordane.

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average

¹² DDT represents the sum of 4,4'DDT; 2,4'DDT; 4,4'DDE; 2,4'DDE; 4,4'DDD; and 2,4'DDD.

¹³ Halomethanes represent the sum of bromoform, bromomethane (methyl bromide), and chloromethane (methyl chloride).

¹⁴ PAHs (polynuclear aromatic hydrocarbons) represent the sum of acenaphthalene; anthracene; 1,2-benzanthracene; 3,4-benzofluoranthene; benzo[k]fluoranthene; 1,12-benzoperylene; benzo[a]pyrene; chrysene; dibenzo[a,h]anthracene; fluorene; indeno[1,2,3-cd]pyrene; phenanthrene; and pyrene.

¹⁵ PCBs (polychlorinated biphenyls) represent the sum of chlorinated biphenyls whose analytical characteristics resemble those of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260.

¹⁶ ~~If the Discharger can demonstrate to the satisfaction of the San Diego Water Board (subject to USEPA approval) that an analytical method is available to reliably distinguish between strongly and weakly complexed cyanide, performance goals may be evaluated with the combined measurement of free cyanide, simple alkali metals cyanides, and weakly complexed organometallic cyanide complexes. In order for the analytical method to be acceptable, the recovery of free cyanide from metal complexes must be comparable to that achieved by the approved method in 40 CFR Part 136, as revised May 14, 1999.~~

¹⁷ ~~The water quality objectives for total chlorine residual applicable to intermittent discharges not exceeding two hours, shall be determined through the use of the following equation:~~

~~$\log y = 0.43 (\log x) + 1.8,$~~

~~where y = the water quality objective (in ug/l) to apply when chlorine is being discharged;~~

~~x = the duration of uninterrupted chlorine discharge in minutes.~~

~~Actual effluent limitations for total chlorine, when discharging intermittently, shall then be determined according to Implementation Procedures for Table B from the Ocean Plan, using a minimum probable initial dilution factor of 87 and a flow rate of 22.6 MGD.~~

Errata No.	Page No.	Section/ Table	Revision
8	31-32	VI.C.5.a	<p>a. Oceanside Ocean Outfall Capacity</p> <p>i. Discharges to the OOO are limited to 22.6 MGD based on the available capacity of the OOO at the time of drafting this Order. The Discharger has reported that by cleaning the OOO, the capacity of the OOO will increase <u>0.8 MGD above the current capacity</u> to 23.4 MGD. <u>If the outfall cleaning is not implemented, the Discharger reports that replacing a constricting 15-inch diameter meter section of the land portion of the OOO at the LSTWP site will increase the OOO capacity by 0.5 MGD above the current capacity. Implementing both the outfall cleaning and meter section replacement will have a cumulative effect on outfall capacity, and would increase the OOO capacity by 1.8 MGD to 24.4 MGD.</u> This Order prohibits the discharge of wastes through the OOO from SLRWRF, SLWTP, MBDF, Genentech, Fallbrook Public Utility District, and US Marine Corp Camp Pendleton in excess of 22.6 MGD based on the reported capacity of the OOO. The Discharger may obtain written authorization from the San Diego Water Board under this Order to discharge up to 23.1 MGD if the following conditions are met:</p> <p>(a) The Discharger submits documentation demonstrating that the OOO has been cleaned and the OOO has sufficient capacity for 23.4 MGD of waste; and (b) The Discharger submits a certified statement signed by a California Licensed Engineer that states that the capacity of the OOO is at least 23.4 MGD.</p> <p><u>(a) The Discharger may obtain written authorization from the San Diego Water Board under this Order to discharge up to 23.1 MGD if the following conditions are met:</u> <u>(1) The Discharger submits documentation demonstrating that the 15-inch diameter meter section has been replaced, and the OOO has sufficient capacity for 23.1 MGD of waste; and</u> <u>(2) The Discharger submits a certified statement signed by a California Licensed Engineer that states that the capacity of the OOO is at least 23.1 MGD.</u></p> <p><u>(b) The Discharger may obtain written authorization from the San Diego Water Board under this Order to discharge up to 23.4 MGD if the following conditions are met:</u> <u>(1) The Discharger submits documentation demonstrating that the OOO has been</u></p>

Errata No.	Page No.	Section/ Table	Revision
			<p><u>cleaned and the OOO has sufficient capacity for 23.4 MGD of waste; and</u> <u>(2) The Discharger submits a certified statement signed by a California Licensed Engineer that states that the capacity of the OOO is at least 23.4 MGD.</u></p> <p><u>(c) The Discharger may obtain written authorization from the San Diego Water Board under this Order to discharge up to 24.4 MGD if the following conditions are met:</u> <u>(1) The Discharger submits documentation demonstrating that the OOO has been cleaned, the 15-inch diameter meter section has been replaced, and the OOO has sufficient capacity for 24.4 MGD of waste; and</u> <u>(2) The Discharger submits a certified statement signed by a California Licensed Engineer that states that the capacity of the OOO is at least 24.4 MGD.</u></p> <p><u>ii. Discharges from SLRWRF to the OOO through the land outfall are limited to 13.5 MGD based on the capacity of the land outfall. The Discharger has stated that the land outfall capacity may be increased from 13.5 MGD to 15.4 MGD over the term of this permit. This permit prohibits the discharge of effluent to the OOO through the land outfall in excess of 13.5 MGD unless:</u> <u>(a) The Discharger submits all documentation, including engineering plans and relevant studies (and all additionally requested documents), to the San Diego Water Board to demonstrate that the capacity of the land outfall to the OOO has been increased to 15.4 MGD.</u> <u>(b) The Discharger submits a certified statement signed by a California Licensed Engineer that states that the capacity of the land outfall to the OOO is at least 15.4 MGD.</u></p> <p>iii.ii. <u>Annually, by March 1st, the Discharger shall provide:</u> <u>(a) A comparison of the total available capacity of the OOO and highest daily and monthly average flows from all facilities (SLRWRF, SLWTP, MBDF, Camp Pendleton, Fallbrook Public Utilities District, and Genentech) to the OOO for the previous year;</u> <u>(b) A summary of the dischargers to the OOO and their permitted flow rate, average daily flow rate, and daily maximum flow rate for the previous year from all facilities;</u> <u>(c) Wet weather standard operating procedures for each discharger (including the</u></p>

Errata No.	Page No.	Section/ Table	Revision																																																		
			<p>City of Oceanside) to the OOO, including any available influent or effluent storage capacity;</p> <p>(d) Future plans or policies that may impact the total amount of effluent discharged to the OOO for any of the dischargers to the OOO;</p> <p>(e) A feasibility analysis to maintain compliance with the flow prohibition to the OOO (no more than 22.6 MGD from all facilities or 23.4 MGD from all facilities as otherwise allowed if the conditions in section VI.C.5.a.i of this Order are met).</p> <p>(f) The Discharger’s intended schedule for studies, design, and other steps needed to provide additional capacity for the Oceanside Ocean Outfall and/or to control the flow rate before the flow rate is equal to the current outfall capacity;</p> <p>iv.iii. No later than 180 days prior to this Order’s expiration date, the Discharger shall submit a written report to the Executive Officer regarding capacity of the OOO that addresses the following items:</p>																																																		
9	E-7	Portion of Table E-5	<p>Table E-5. Combined Effluent Monitoring at M-004</p> <table border="1" data-bbox="602 777 1858 1398"> <thead> <tr> <th data-bbox="602 777 980 873">Parameter</th> <th data-bbox="984 777 1098 873">Units</th> <th data-bbox="1102 777 1346 873">Sample Type</th> <th data-bbox="1350 777 1644 873">Minimum Sampling Frequency</th> <th data-bbox="1648 777 1858 873">Required Analytical Test Method</th> </tr> </thead> <tbody> <tr> <td colspan="5" data-bbox="602 876 1858 911" style="text-align: center;">TABLE B PARAMETERS FOR PROTECTION OF MARINE AQUATIC LIFE</td> </tr> <tr> <td data-bbox="602 914 980 948">Arsenic, Total Recoverable</td> <td data-bbox="984 914 1098 948">µg/L</td> <td data-bbox="1102 914 1346 948">24-hr Composite</td> <td data-bbox="1350 914 1644 948">1/Quarter^{3,4}</td> <td data-bbox="1648 914 1858 948">1</td> </tr> <tr> <td data-bbox="602 951 980 985">Cadmium, Total Recoverable</td> <td data-bbox="984 951 1098 985">µg/L</td> <td data-bbox="1102 951 1346 985">24-hr Composite</td> <td data-bbox="1350 951 1644 985">1/Quarter^{3,4}</td> <td data-bbox="1648 951 1858 985">1</td> </tr> <tr> <td data-bbox="602 989 980 1055">Chromium (VI), Total Recoverable⁵</td> <td data-bbox="984 989 1098 1055">µg/L</td> <td data-bbox="1102 989 1346 1055">24-hr Composite</td> <td data-bbox="1350 989 1644 1055">1/Quarter^{3,4} 2/Year^{3,4}</td> <td data-bbox="1648 989 1858 1055">1</td> </tr> <tr> <td data-bbox="602 1058 980 1125">Copper, Total Recoverable</td> <td data-bbox="984 1058 1098 1125">µg/L</td> <td data-bbox="1102 1058 1346 1125">24-hr Composite</td> <td data-bbox="1350 1058 1644 1125">1/Quarter^{3,4} 2/Year^{3,4}</td> <td data-bbox="1648 1058 1858 1125">1</td> </tr> <tr> <td data-bbox="602 1128 980 1195">Lead, Total Recoverable</td> <td data-bbox="984 1128 1098 1195">µg/L</td> <td data-bbox="1102 1128 1346 1195">24-hr Composite</td> <td data-bbox="1350 1128 1644 1195">1/Quarter^{3,4} 2/Year^{3,4}</td> <td data-bbox="1648 1128 1858 1195">1</td> </tr> <tr> <td data-bbox="602 1198 980 1265">Mercury, Total Recoverable</td> <td data-bbox="984 1198 1098 1265">µg/L</td> <td data-bbox="1102 1198 1346 1265">24-hr Composite</td> <td data-bbox="1350 1198 1644 1265">1/Quarter^{3,4} 2/Year^{3,4}</td> <td data-bbox="1648 1198 1858 1265">1</td> </tr> <tr> <td data-bbox="602 1268 980 1334">Nickel, Total Recoverable</td> <td data-bbox="984 1268 1098 1334">µg/L</td> <td data-bbox="1102 1268 1346 1334">24-hr Composite</td> <td data-bbox="1350 1268 1644 1334">1/Quarter^{3,4} 2/Year^{3,4}</td> <td data-bbox="1648 1268 1858 1334">1</td> </tr> <tr> <td data-bbox="602 1338 980 1404">Selenium, Total Recoverable</td> <td data-bbox="984 1338 1098 1404">µg/L</td> <td data-bbox="1102 1338 1346 1404">24-hr Composite</td> <td data-bbox="1350 1338 1644 1404">1/Quarter^{3,4} 2/Year^{3,4}</td> <td data-bbox="1648 1338 1858 1404">1</td> </tr> </tbody> </table>	Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method	TABLE B PARAMETERS FOR PROTECTION OF MARINE AQUATIC LIFE					Arsenic, Total Recoverable	µg/L	24-hr Composite	1/Quarter ^{3,4}	1	Cadmium, Total Recoverable	µg/L	24-hr Composite	1/Quarter ^{3,4}	1	Chromium (VI), Total Recoverable ⁵	µg/L	24-hr Composite	1/Quarter^{3,4} 2/Year^{3,4}	1	Copper, Total Recoverable	µg/L	24-hr Composite	1/Quarter^{3,4} 2/Year^{3,4}	1	Lead, Total Recoverable	µg/L	24-hr Composite	1/Quarter^{3,4} 2/Year^{3,4}	1	Mercury, Total Recoverable	µg/L	24-hr Composite	1/Quarter^{3,4} 2/Year^{3,4}	1	Nickel, Total Recoverable	µg/L	24-hr Composite	1/Quarter^{3,4} 2/Year^{3,4}	1	Selenium, Total Recoverable	µg/L	24-hr Composite	1/Quarter^{3,4} 2/Year^{3,4}	1
Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method																																																	
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Arsenic, Total Recoverable	µg/L	24-hr Composite	1/Quarter ^{3,4}	1																																																	
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Copper, Total Recoverable	µg/L	24-hr Composite	1/Quarter^{3,4} 2/Year^{3,4}	1																																																	
Lead, Total Recoverable	µg/L	24-hr Composite	1/Quarter^{3,4} 2/Year^{3,4}	1																																																	
Mercury, Total Recoverable	µg/L	24-hr Composite	1/Quarter^{3,4} 2/Year^{3,4}	1																																																	
Nickel, Total Recoverable	µg/L	24-hr Composite	1/Quarter^{3,4} 2/Year^{3,4}	1																																																	
Selenium, Total Recoverable	µg/L	24-hr Composite	1/Quarter^{3,4} 2/Year^{3,4}	1																																																	

Errata No.	Page No.	Section/ Table	Revision					
			Silver, Total Recoverable	µg/L	24-hr Composite	1/Quarter ^{3,4} <u>2/Year</u> ^{3,4}	1	
			Zinc, Total Recoverable	µg/L	24-hr Composite	1/Quarter ^{3,4} <u>2/Year</u> ^{3,4}	1	
			Cyanide, Total Recoverable	µg/L	24-hr Composite	1/Quarter ^{3,4} <u>2/Year</u> ^{3,4}	1,6	
			Chlorine, Total Residual	µg/L	Grab	1/Day ^{3,7}	1	
			Ammonia Nitrogen, Total (as N)	mg/L	24-hr Composite	1/Month ^{3,4}	1	
			Phenolic Compounds (nonchlorinated) ⁸	µg/L	24-hr Composite	1/Quarter ^{3,4} <u>2/Year</u> ^{3,4}	1	
			Phenolic Compounds (chlorinated) ⁹	µg/L	24-hr Composite	1/Quarter ^{3,4} <u>2/Year</u> ^{3,4}	1	
			Endosulfan ¹⁰	µg/L	24-hr Composite	1/Quarter ^{3,4} <u>2/Year</u> ^{3,4}	1	
			Endrin	µg/L	Grab	1/Quarter ^{3,4} <u>2/Year</u> ^{3,4}	1	
			HCH ¹¹	µg/L	Grab	1/Quarter ^{3,4} <u>2/Year</u> ^{3,4}	1	
			Radioactivity	pCi/L	Grab	1/Quarter ^{3,4} <u>2/Year</u> ^{3,4}	1	
10	E-11	Table E-7	Table E-7. Whole Effluent Toxicity Testing					
			Test	Unit	Sample Type	Minimum Test Frequency		
			Screening period for chronic toxicity	TU _c	24-hr Composite	Every other year for 3 consecutive months, beginning with the calendar year 2011		
			Chronic Toxicity	TU _c	24-hr Composite	<u>2/Year</u> 1/Quarter		
11	F-3,	Portion of	Facility Permitted Discharge	• San Luis Rey Water Reclamation Facility -13.5 million gallons				

Errata No.	Page No.	Section/ Table	Revision	
	F-4	Table F-1	<p>Flow Rate</p>	<p>per day (MGD) <u>discharge to the OOO through the land outfall; or up to 15.4 MGD if written authorization is obtained from the San Diego Water Board pursuant to section VI.C.5.a.ii. of this Order.</u></p> <ul style="list-style-type: none"> • La Salina Wastewater Treatment Plant - 5.5 MGD • Mission Basin Desalting Facility – 2.0 MGD • Combined discharge to the Oceanside Ocean Outfall, including discharges from the SLRWRF, LSWTP, MBDF, Genentech, Fallbrook Public Utility District (PUD), and US Marine Corps Camp Pendleton¹ – 22.6 MGD; however the permitted combined discharge flow rate to the Oceanside Ocean Outfall from the SLRWRF, LSWTP, BMGPF, Genentech, Fallbrook Public Utility District, and US Marine Corps Camp Pendleton may be increased to <u>23.1 MGD, 23.4 MGD, or 24.4 MGD</u> if written authorization is obtained from the San Diego Water Board pursuant to section VI.C.5.a.i of this Order.
			<p>Facility Design Flow</p>	<p>22.9 MGD <u>same as Facility Permitted Discharge Flow Rate above</u></p>
12	F-6,	II.B	The original land outfall consists of a 24-inch diameter ductile iron pipeline that has a	

Errata No.	Page No.	Section/ Table	Revision
	F-7	Addition after second paragraph	<p>pressure rating of 150 pounds per square inch (psi). The design capacity of the original 24-inch-diameter land outfall was limited to 13.5 MGD to avoid exceeding this pressure rating. Usable capacity of the land outfall, however, has been constrained by high head losses in the OOO. In 2009, the Discharger completed construction of the first segment of the new 36-inch-diameter land outfall. The newly constructed segment of 36-inch-diameter pipe extends approximately 6,020 feet along Oceanside Blvd. The capacity of the land outfall currently remains below 13.5 MGD.</p> <p><u>In a December 2, 2010 comment to the San Diego Water Board regarding this Order the Discharger stated, “Additionally, the City is planning improvements to the land outfall that will increase the capacity of the land outfall to accommodate the 15.4 maximum 30-day capacity of the SLRWRF. To address the City’s current ability to treat more than 13.5 MGD at the SLRWRF using onsite storage, and to address planned improvements to the capacity of the land outfall, it is requested that [the permit allow for an increase of flow from SLRWRF to the OOO through the land outfall from 13.5 MGD to 15.4 MGD].”</u></p> <p><u>Because the overall discharge volume of the OOO would not be increased and the permitted volume of flow from SLRWRF would not increase (Order No. R9-2005-0136 authorized a discharge of 15.4 MGD even though the land outfall capacity was not sufficient to transport this volume to the OOO), the San Diego Water Board has established conditional requirements to ensure adequate capacity is available in the land outfall prior to allowing the discharge of 15.4 MGD from SLRWRF, as specified in section VI.C.5.a.ii of the Order.</u></p>

Errata No.	Page No.	Section/ Table	Revision
13	F-8	Last 2 paragraphs of II.B	<p>Prior to 2016, the Discharger plans to clean muck and debris from the interior of the outfall which will serve to increase the outfall capacity to 23.4 MGD and provide sufficient capacity until approximately 2025. The Discharger further states in the ROWD that additional capacity could be obtained until approximately 2030 if the Discharger replaces a short section of metering pipe at the LSWTP that is currently causing back-pressure on the LSWTP effluent pumps. <u>The OOO section replacement alone would increase capacity to 23.1 MGD, and up to 24.4 MGD when combined with the OOO cleaning.</u> The Discharger does not provide an estimate for how much additional capacity may be achieved.</p> <p>Based on the Discharger’s 2010 Ocean Outfall Capacity Report, this Order prohibits the discharge of wastes at a rate in excess of 22.6 MGD from the Discharger’s facilities, Genentech, Fallbrook Public Utilities District, and US Marine Corps Base Camp Pendleton. Section VI.C.5.a.i of the Order allows for the Discharger to increase this total OOO flow to <u>either 23.1 MGD, 23.4 MGD, or 24.4 MGD based on the cleaning and/or section replacement of the OOO.</u> if the Discharger can demonstrate that the OOO has been cleaned and the capacity is available. The Discharger shall be responsible for managing effluent flows to the OOO to ensure compliance with the flow rate prohibitions established in the Order. As discussed above, the Discharger reports that they can maintain compliance with the flow prohibitions through 2016 with the current outfall conditions, and through approximately 2030 with additional measures.</p>

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14	F-27	Table F-13	<p>Table F-13. Summary of Water Quality-based Effluent Limitations – Discharge Point No. 001</p> <table border="1"> <thead> <tr> <th rowspan="2">Parameter</th> <th rowspan="2">Units</th> <th colspan="4">Effluent Limitations</th> </tr> <tr> <th>6-Month Median</th> <th>Maximum Daily</th> <th>Instantaneous Maximum</th> <th>30-Day Average</th> </tr> </thead> <tbody> <tr> <td colspan="6" style="text-align: center;">BASED ON OBJECTIVES FOR PROTECTION OF MARINE AQUATIC LIFE</td> </tr> <tr> <td rowspan="5">Tributyltin</td> <td>µg/L</td> <td>--</td> <td>--</td> <td>--</td> <td>1.2E-01</td> </tr> <tr> <td>lbs/day¹</td> <td>--</td> <td>--</td> <td>--</td> <td>2.3E-02</td> </tr> <tr> <td>lbs/day²</td> <td>--</td> <td>--</td> <td>--</td> <td>2.4E-02</td> </tr> <tr> <td>lbs/day³</td> <td></td> <td></td> <td></td> <td>2.4E-02</td> </tr> <tr> <td>lbs/day⁴</td> <td></td> <td></td> <td></td> <td>2.4E-02</td> </tr> <tr> <td rowspan="5">TCDD Equivalents³⁵</td> <td>µg/L</td> <td>--</td> <td>--</td> <td>--</td> <td>3.4E-07</td> </tr> <tr> <td>lbs/day¹</td> <td>--</td> <td>--</td> <td>--</td> <td>6.5E-08</td> </tr> <tr> <td>lbs/day²</td> <td>--</td> <td>--</td> <td>--</td> <td>6.6E-08</td> </tr> <tr> <td>lbs/day³</td> <td></td> <td></td> <td></td> <td>6.6E-08</td> </tr> <tr> <td>lbs/day⁴</td> <td></td> <td></td> <td></td> <td>6.9E-08</td> </tr> </tbody> </table> <p>¹ Applicable when Combined Effluent flow to the OOO is prohibited from exceeding 22.6 MGD. ² Applicable when Combined Effluent flow to the OOO is prohibited from exceeding 23.14 MGD. ³ Applicable when Combined Effluent flow to the OOO is prohibited from exceeding 23.4 MGD. ⁴ Applicable when Combined Effluent flow to the OOO is prohibited from exceeding 24.4 MGD. ⁵ TCDD equivalents represent the sum of concentrations of chlorinated dibenzodioxins (2,3,7,8-CDDs) and chlorinated dibenzofurans (2,3,7,8-CDFs) multiplied by their respective toxicity factors.</p>	Parameter	Units	Effluent Limitations				6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average	BASED ON OBJECTIVES FOR PROTECTION OF MARINE AQUATIC LIFE						Tributyltin	µg/L	--	--	--	1.2E-01	lbs/day ¹	--	--	--	2.3E-02	lbs/day ²	--	--	--	2.4E-02	lbs/day³				2.4E-02	lbs/day⁴				2.4E-02	TCDD Equivalents ³⁵	µg/L	--	--	--	3.4E-07	lbs/day ¹	--	--	--	6.5E-08	lbs/day ²	--	--	--	6.6E-08	lbs/day³				6.6E-08	lbs/day⁴				6.9E-08
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15	F-27	Last two sentences of IV.C.5.a	<p>However, consistent with Order No. R9-2005-0136, this Order contains a performance goal and quarterly monitoring for chronic toxicity. Monitoring for chronic toxicity has been reduced from quarterly to semiannually. Based on the methods established by the Ocean Plan, a maximum daily performance goal of 88 TUc is established in this Order.</p>																																																																				
16	F-28	IV.D.1 and Table F-14A	<p>The following tables list the effluent limitations established by this Order. Where this Order establishes mass emission limitations, these limitations have been derived based on a flow of 13.5 MGD (and 15.4 MGD, based on the available capacity of the land outfall to the OOO) for SLRWRF to the OOO through the land outfall; 5.5 MGD for LSWTP; and 2.0 MGD for MBDF. Mass emission limitations for the combined flow have been based on 22.6</p>																																																																				

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			<p>MGD and 22.9 MGD, based on the potential available capacity conditions of the OOO.</p> <p>Table F-14.a. Technology Based Effluent Limitations for SLRWRf at M-001</p> <table border="1"> <thead> <tr> <th rowspan="2">Parameter</th> <th rowspan="2">Units</th> <th colspan="6">Effluent Limitations</th> </tr> <tr> <th>Average Monthly</th> <th>Average Weekly</th> <th>Maximum Daily</th> <th>Instantaneous Minimum</th> <th>Instantaneous Maximum</th> <th>6-Month Median</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Carbonaceous Biochemical Oxygen Demand (5-day @ 20°C)¹</td> <td>mg/L</td> <td>25</td> <td>40</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day²</td> <td>2,814</td> <td>4,504</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day²</td> <td>3,211</td> <td>5,137</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="3">Total Suspended Solids¹</td> <td>mg/L</td> <td>30</td> <td>45</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day²</td> <td>3,378</td> <td>5,067</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>lbs/day²</td> <td>3,853</td> <td>5,780</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="3">Oil and Grease</td> <td>mg/L</td> <td>25</td> <td>40</td> <td>--</td> <td>--</td> <td>75</td> <td>--</td> </tr> <tr> <td>lbs/day²</td> <td>2,814</td> <td>4,504</td> <td>--</td> <td>--</td> <td>8,445</td> <td>--</td> </tr> <tr> <td>lbs/day²</td> <td>3,211</td> <td>5,137</td> <td></td> <td></td> <td>9,633</td> <td></td> </tr> <tr> <td>Settleable Solids</td> <td>ml/L</td> <td>1.0</td> <td>1.5</td> <td>--</td> <td>--</td> <td>3.0</td> <td>--</td> </tr> <tr> <td>Turbidity</td> <td>NTU</td> <td>75</td> <td>100</td> <td>--</td> <td>--</td> <td>225</td> <td>--</td> </tr> <tr> <td>pH</td> <td>standard units</td> <td>--</td> <td>--</td> <td>--</td> <td>6.0</td> <td>9.0</td> <td>--</td> </tr> </tbody> </table>	Parameter	Units	Effluent Limitations						Average Monthly	Average Weekly	Maximum Daily	Instantaneous Minimum	Instantaneous Maximum	6-Month Median	Carbonaceous Biochemical Oxygen Demand (5-day @ 20°C) ¹	mg/L	25	40	--	--	--	--	lbs/day ²	2,814	4,504	--	--	--	--	lbs/day²	3,211	5,137					Total Suspended Solids ¹	mg/L	30	45	--	--	--	--	lbs/day ²	3,378	5,067	--	--	--	--	lbs/day²	3,853	5,780					Oil and Grease	mg/L	25	40	--	--	75	--	lbs/day ²	2,814	4,504	--	--	8,445	--	lbs/day²	3,211	5,137			9,633		Settleable Solids	ml/L	1.0	1.5	--	--	3.0	--	Turbidity	NTU	75	100	--	--	225	--	pH	standard units	--	--	--	6.0	9.0	--
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17	F-29	Table F-14.D.	Table F-14.d. Effluent Limitations for Combined Flow Based on Table B of the Ocean Plan at M-004 (previously M-003) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th rowspan="2">Parameter</th> <th rowspan="2">Unit</th> <th colspan="4">Effluent Limitations¹</th> </tr> <tr> <th>6-Month Median</th> <th>Maximum Daily</th> <th>Instantaneous Maximum</th> <th>Average Monthly</th> </tr> </thead> <tbody> <tr> <td colspan="6" style="text-align: center;">OBJECTIVES FOR PROTECTION OF HUMAN HEALTH – CARCINOGENS</td> </tr> <tr> <td rowspan="5">Tributyltin</td> <td>µg/L</td> <td>--</td> <td>--</td> <td>--</td> <td>1.2E-01</td> </tr> <tr> <td>lbs/day²</td> <td>--</td> <td>--</td> <td>--</td> <td>2.3E-02</td> </tr> <tr> <td>lbs/day³</td> <td></td> <td></td> <td></td> <td><u>2.4E-02</u></td> </tr> <tr> <td>lbs/day⁴</td> <td></td> <td></td> <td></td> <td><u>2.4E-02</u></td> </tr> <tr> <td>lbs/day⁵</td> <td></td> <td></td> <td></td> <td><u>2.4E-02</u></td> </tr> <tr> <td rowspan="5">TCDD^{4b}</td> <td>µg/L</td> <td>--</td> <td>--</td> <td>--</td> <td>3.4E-07</td> </tr> <tr> <td>lbs/day²</td> <td>--</td> <td>--</td> <td>--</td> <td>6.5E-08</td> </tr> <tr> <td>lbs/day³</td> <td></td> <td></td> <td></td> <td>6.6E-08</td> </tr> <tr> <td>lbs/day⁴</td> <td></td> <td></td> <td></td> <td><u>6.6E-08</u></td> </tr> <tr> <td>lbs/day⁵</td> <td></td> <td></td> <td></td> <td><u>6.9E-08</u></td> </tr> </tbody> </table>	Parameter	Unit	Effluent Limitations ¹				6-Month Median	Maximum Daily	Instantaneous Maximum	Average Monthly	OBJECTIVES FOR PROTECTION OF HUMAN HEALTH – CARCINOGENS						Tributyltin	µg/L	--	--	--	1.2E-01	lbs/day ²	--	--	--	2.3E-02	lbs/day ³				<u>2.4E-02</u>	lbs/day ⁴				<u>2.4E-02</u>	lbs/day ⁵				<u>2.4E-02</u>	TCDD ^{4b}	µg/L	--	--	--	3.4E-07	lbs/day ²	--	--	--	6.5E-08	lbs/day ³				6.6E-08	lbs/day ⁴				<u>6.6E-08</u>	lbs/day ⁵				<u>6.9E-08</u>
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			¹ Scientific “E” notation is used to express effluent limitations. In scientific “E” notation, the number following the “E” indicates that position of the decimal point in the value. Negative numbers after the “E” indicate that the value is less than 1, and positive numbers after the “E” indicate that the value is greater than 1. In this notation a value of 6.1E-02 represents 6.1×10^{-2} or 0.061, 6.1E+02 represents 6.1×10^2 or 610, and 6.1E+00 represents 6.1×10^0 or 6.1. ² Applicable while the Combined Effluent discharge to the OOO is prohibited from exceeding 22.6 MGD. ³ Applicable while the Combined Effluent discharge to the OOO is prohibited from exceeding 23.41 MGD (mass-based limits calculated using a total flow of 22.9 MGD, the total permitted flow for the Facility). ⁴ Applicable when Combined Effluent flow to the OOO is prohibited from exceeding 23.4 MGD. ⁵ Applicable when Combined Effluent flow to the OOO is prohibited from exceeding 24.4 MGD. ⁶ TCDD equivalents represent the sum of concentrations of chlorinated dibenzodioxins (2,3,7,8-CDDs) and chlorinated dibenzofurans (2,3,7,8-CDFs) multiplied by their respective toxicity factors.
18	F-32 To F-39	Table F-15	(See below for revisions)

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
OBJECTIVES FOR PROTECTION OF MARINE AQUATIC LIFE					
Arsenic, Total Recoverable	µg/L	4.4E+02	2.6E+03	6.8E+03	--
	lbs/day ²	8.3E+01	4.8E+02	1.3E+03	--
	lbs/day ³	8.5E+01	4.9E+02	1.3E+03	--
Cadmium, Total Recoverable	µg/L	8.8E+01	3.5E+02	8.8E+02	--
	lbs/day ²	1.7E+01	6.6E+01	1.7E+02	--
	lbs/day ³	1.7E+01	6.7E+01	1.7E+02	--
Chromium VI, Total Recoverable ⁴	µg/L	1.8E+02	7.0E+02	1.8E+03	--
	lbs/day ²	3.3E+01	1.3E+02	3.3E+02	--
	lbs/day ³	3.4E+01	1.3E+02	3.4E+02	--
Copper, Total Recoverable	µg/L	9.0E+01	8.8E+02	2.5E+03	--
	lbs/day ²	1.7E+01	1.7E+02	4.6E+02	--
	lbs/day ³	1.7E+01	1.7E+02	4.7E+02	--

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Lead, Total Recoverable	µg/L	1.8E+02	7.0E+02	1.8E+03	--
	lbs/day ²	3.3E+01	1.3E+02	3.3E+02	--
	lbs/day ³	3.4E+01	1.3E+02	3.4E+02	--
Mercury, Total Recoverable	µg/L	3.5E+00	1.4E+01	3.5E+01	--
	lbs/day ²	6.6E-01	2.6E+00	6.6E+00	--
	lbs/day ³	6.7E-01	2.7E+00	6.7E+00	--
Nickel, Total Recoverable	µg/L	4.4E+02	1.8E+03	4.4E+03	--
	lbs/day ²	8.3E+01	3.3E+02	8.3E+02	--
	lbs/day ³	8.4E+01	3.4E+02	8.4E+02	--
Selenium, Total Recoverable	µg/L	1.3E+03	5.3E+03	1.3E+04	--
	lbs/day ²	2.5E+02	1.0E+03	2.5E+03	--
	lbs/day ³	2.5E+02	1.0E+03	2.5E+03	--
Silver, Total Recoverable	µg/L	4.8E+01	2.3E+02	6.0E+02	--
	lbs/day ²	9.0E+00	4.4E+01	1.1E+02	--
	lbs/day ³	9.1E+00	4.4E+01	1.1E+02	--
Zinc, Total Recoverable	µg/L	1.1E+03	6.3E+03	1.7E+04	--
	lbs/day ²	2.0E+02	1.2E+03	3.2E+03	--
	lbs/day ³	2.0E+02	1.2E+03	3.2E+03	--
Cyanide, Total (as CN) ²	µg/L	8.8E+01	3.5E+02	8.8E+02	--
	lbs/day ²	1.7E+01	6.6E+01	1.7E+02	--
	lbs/day ³	1.7E+01	6.7E+01	1.7E+02	--
Chlorine, Total Residual ³	µg/L	1.8E+02	7.0E+02	5.3E+03	--
	lbs/day ²	3.3E+01	1.3E+02	1.0E+03	--
	lbs/day ³	3.4E+01	1.3E+02	1.0E+03	--

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Ammonia (expressed as nitrogen)	µg/L	5.3E+04	2.1E+05	5.3E+05	--
	lbs/day ²	1.0E+04	4.0E+04	1.0E+05	--
	lbs/day ³	1.0E+04	4.0E+04	1.0E+05	--
Acute Toxicity	TUa	--	2.6E+01	--	--
Chronic Toxicity ⁵	TUc	--	8.8E+01	--	--
Phenolic Compounds (non-chlorinated) ⁶	µg/L	2.6E+03	1.1E+04	2.6E+04	--
	lbs/day ²	5.0E+02	2.0E+03	5.0E+03	--
	lbs/day ³	5.0E+02	2.0E+03	5.0E+03	--
Chlorinated Phenolics ⁷	µg/L	8.8E+01	3.5E+02	8.8E+02	--
	lbs/day ²	1.7E+01	6.6E+01	1.7E+02	--
	lbs/day ³	1.6E+01	6.7E+01	1.7E+02	--
Endosulfan ⁸	µg/L	7.9E-01	1.6E+00	2.4E+00	--
	lbs/day ²	1.5E-01	3.0E-01	4.5E-01	--
	lbs/day ³	1.5E-01	3.0E-01	4.5E-01	--
Endrin	µg/L	1.8E-01	3.5E-01	5.3E-01	--
	lbs/day ²	3.3E-02	6.6E-02	1.0E-01	--
	lbs/day ³	3.4E-02	6.7E-02	1.0E-01	--
HCH ⁹	µg/L	3.5E-01	7.0E-01	1.1E+00	--
	lbs/day ²	6.6E-02	1.3E-01	2.0E-01	--
	lbs/day ³	6.7E-02	1.3E-01	2.0E-01	--
Radioactivity	pCi/L	Not to exceed limits specified in Title 17, Division 1, Chapter 5, Subchapter 4, Group 3, Article 3, Section 30253 of the California Code of Regulations, Reference to Section 30253 is prospective, including future changes to any incorporated provisions of federal law, as the changes take effect.			

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
OBJECTIVES FOR PROTECTION OF HUMAN HEALTH – NONCARCINOGENS					
Acrolein	µg/L	--	--	--	1.9E+04
	lbs/day ²	--	--	--	3.6E+03
	lbs/day ³	--	--	--	3.7E+03
Antimony	µg/L	--	--	--	1.1E+05
	lbs/day ²	--	--	--	2.0E+04
	lbs/day ³	--	--	--	2.0E+04
Bis(2-chloroethoxy) Methane	µg/L	--	--	--	3.9E+02
	lbs/day ²	--	--	--	7.3E+01
	lbs/day ³	--	--	--	7.4E+01
Bis(2-chloroisopropyl) Ether	µg/L	--	--	--	1.1E+05
	lbs/day ²	--	--	--	2.0E+04
	lbs/day ³	--	--	--	2.0E+04
Chlorobenzene	µg/L	--	--	--	5.0E+04
	lbs/day ²	--	--	--	9.5E+03
	lbs/day ³	--	--	--	9.6E+03
Chromium (III), Total Recoverable	µg/L	--	--	--	1.7E+07
	lbs/day ²	--	--	--	3.2E+06
	lbs/day ³	--	--	--	3.2E+06
Di-n-butyl Phthalate	µg/L	--	--	--	3.1E+05
	lbs/day ²	--	--	--	5.8E+04
	lbs/day ³	--	--	--	5.9E+04
Dichlorobenzenes ¹⁰	µg/L	--	--	--	4.5E+05
	lbs/day ²	--	--	--	8.5E+04
	lbs/day ³	--	--	--	8.6E+04

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Diethyl Phthalate	µg/L	--	--	--	2.9E+06
	lbs/day ²	--	--	--	5.5E+05
	lbs/day ³	--	--	--	5.5E+05
Dimethyl Phthalate	µg/L	--	--	--	7.2E+07
	lbs/day ²	--	--	--	1.4E+07
	lbs/day ³	--	--	--	1.4E+07
4,6-dinitro-2-methylphenol	µg/L	--	--	--	1.9E+04
	lbs/day ²	--	--	--	3.6E+03
	lbs/day ³	--	--	--	3.7E+03
2,4-dinitrophenol	µg/L	--	--	--	3.5E+02
	lbs/day ²	--	--	--	6.6E+01
	lbs/day ³	--	--	--	6.7E+01
Ethylbenzene	µg/L	--	--	--	3.6E+05
	lbs/day ²	--	--	--	6.8E+04
	lbs/day ³	--	--	--	6.9E+04
Fluoranthene	µg/L	--	--	--	1.3E+03
	lbs/day ²	--	--	--	2.5E+02
	lbs/day ³	--	--	--	2.5E+02
Hexachlorocyclopentadiene	µg/L	--	--	--	5.1E+03
	lbs/day ²	--	--	--	9.6E+02
	lbs/day ³	--	--	--	9.7E+02
Nitrobenzene	µg/L	--	--	--	4.3E+02
	lbs/day ²	--	--	--	8.1E+01
	lbs/day ³	--	--	--	8.2E+01

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Thallium, Total Recoverable	µg/L	--	--	--	1.8E+02
	lbs/day ²	--	--	--	3.3E+01
	lbs/day ³	--	--	--	3.4E+01
Toluene	µg/L	--	--	--	7.5E+06
	lbs/day ²	--	--	--	1.4E+06
	lbs/day ³	--	--	--	1.4E+06
1,1,1-trichloroethane	µg/L	--	--	--	4.8E+07
	lbs/day ²	--	--	--	9.0E+06
	lbs/day ³	--	--	--	9.1E+06
OBJECTIVES FOR PROTECTION OF HUMAN HEALTH – CARCINOGENS					
Acrylonitrile	µg/L	--	--	--	8.8E+00
	lbs/day ²	--	--	--	1.7E+00
	lbs/day ³	--	--	--	1.7E+00
Aldrin	µg/L	--	--	--	1.9E-03
	lbs/day ²	--	--	--	3.6E-04
	lbs/day ³	--	--	--	3.7E-04
Benzene	µg/L	--	--	--	5.2E+02
	lbs/day ²	--	--	--	9.8E+01
	lbs/day ³	--	--	--	9.9E+01
Benzidine	µg/L	--	--	--	6.1E-03
	lbs/day ²	--	--	--	1.1E-03
	lbs/day ³	--	--	--	1.2E-03
Beryllium	µg/L	--	--	--	2.9E+00
	lbs/day ²	--	--	--	5.5E-01
	lbs/day ³	--	--	--	5.5E-01

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Bis(2-chloroethyl) Ether	µg/L	--	--	--	4.0E+00
	lbs/day ²	--	--	--	7.5E-01
	lbs/day ³	--	--	--	7.6E-01
Bis(2-ethylhexyl) Phthalate	µg/L	--	--	--	3.1E+02
	lbs/day ²	--	--	--	5.8E+01
	lbs/day ³	--	--	--	5.9E+01
Carbon Tetrachloride	µg/L	--	--	--	7.9E+01
	lbs/day ²	--	--	--	1.5E+01
	lbs/day ³	--	--	--	1.5E+01
Chlorodane ¹¹	µg/L	--	--	--	2.0E-03
	lbs/day ²	--	--	--	3.8E-04
	lbs/day ³	--	--	--	3.9E-04
Chlorodibromomethane	µg/L	--	--	--	7.6E+02
	lbs/day ²	--	--	--	1.4E+02
	lbs/day ³	--	--	--	1.4E+02
Chloroform	µg/L	--	--	--	1.1E+04
	lbs/day ²	--	--	--	2.2E+03
	lbs/day ³	--	--	--	2.2E+03
DDT ¹²	µg/L	--	--	--	1.5E-02
	lbs/day ²	--	--	--	2.8E-03
	lbs/day ³	--	--	--	2.9E-03
1,4-dichlorobenzene	µg/L	--	--	--	1.6E+03
	lbs/day ²	--	--	--	3.0E+02
	lbs/day ³	--	--	--	3.0E+02

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
3,3'-dichlorobenzidine	µg/L	--	--	--	7.1E-01
	lbs/day ²	--	--	--	1.3E-01
	lbs/day ³	--	--	--	1.4E-01
1,2-dichloroethane	µg/L	--	--	--	2.5E+03
	lbs/day ²	--	--	--	4.6E+02
	lbs/day ³	--	--	--	4.7E+02
1,1-dichloroethylene	µg/L	--	--	--	7.9E+01
	lbs/day ²	--	--	--	1.5E+01
	lbs/day ³	--	--	--	1.5E+01
Dichlorobromomethane	µg/L	--	--	--	5.5E+02
	lbs/day ²	--	--	--	1.0E+02
	lbs/day ³	--	--	--	1.0E+02
Dichloromethane	µg/L	--	--	--	4.0E+04
	lbs/day ²	--	--	--	7.5E+03
	lbs/day ³	--	--	--	7.6E+03
1,3-dichloropropene	µg/L	--	--	--	7.8E+02
	lbs/day ²	--	--	--	1.5E+02
	lbs/day ³	--	--	--	1.5E+02
Dieldrin	µg/L	--	--	--	3.5E-03
	lbs/day ²	--	--	--	6.6E-04
	lbs/day ³	--	--	--	6.7E-04
2,4-dinitrotoluene	µg/L	--	--	--	2.3E+02
	lbs/day ²	--	--	--	4.3E+01
	lbs/day ³	--	--	--	4.4E+01

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
1,2-diphenylhydrazine	µg/L	--	--	--	1.4E+01
	lbs/day ²	--	--	--	2.7E+00
	lbs/day ³	--	--	--	2.7E+00
Halomethanes ¹³	µg/L	--	--	--	1.1E+04
	lbs/day ²	--	--	--	2.2E+03
	lbs/day ³	--	--	--	2.2E+03
Heptachlor	µg/L	--	--	--	4.4E-03
	lbs/day ²	--	--	--	8.3E-04
	lbs/day ³	--	--	--	8.4E-04
Heptachlor Epoxide	µg/L	--	--	--	1.8E-03
	lbs/day ²	--	--	--	3.3E-04
	lbs/day ³	--	--	--	3.4E-04
Hexachlorobenzene	µg/L	--	--	--	1.8E-02
	lbs/day ²	--	--	--	3.5E-03
	lbs/day ³	--	--	--	3.5E-03
Hexachlorobutadiene	µg/L	--	--	--	1.2E+03
	lbs/day ²	--	--	--	2.3E+02
	lbs/day ³	--	--	--	2.4E+02
Hexachloroethane	µg/L	--	--	--	2.2E+02
	lbs/day ²	--	--	--	4.1E+01
	lbs/day ³	--	--	--	4.2E+01
Isophorone	µg/L	--	--	--	6.4E+04
	lbs/day ²	--	--	--	1.2E+04
	lbs/day ³	--	--	--	1.2E+04

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
N-nitrosodimethylamine	µg/L	--	--	--	6.4E+02
	lbs/day ²	--	--	--	1.2E+02
	lbs/day ³	--	--	--	1.2E+02
N-nitrosodi-N-propylamine	µg/L	--	--	--	3.3E+01
	lbs/day ²	--	--	--	6.3E+00
	lbs/day ³	--	--	--	6.4E+00
N-nitrosodiphenylamine	µg/L	--	--	--	2.2E+02
	lbs/day ²	--	--	--	4.1E+01
	lbs/day ³	--	--	--	4.2E+01
PAHs ¹⁴	µg/L	--	--	--	7.7E-01
	lbs/day ²	--	--	--	1.5E-01
	lbs/day ³	--	--	--	1.5E-01
PCBs ¹⁵	µg/L	--	--	--	1.7E-03
	lbs/day ²	--	--	--	3.2E-04
	lbs/day ³	--	--	--	3.2E-04
1,1,2,2-tetrachloroethane	µg/L	--	--	--	2.0E+02
	lbs/day ²	--	--	--	3.8E+01
	lbs/day ³	--	--	--	3.9E+01
Tetrachloroethylene	µg/L	--	--	--	1.8E+02
	lbs/day ²	--	--	--	3.3E+01
	lbs/day ³	--	--	--	3.4E+01
Toxaphene	µg/L	--	--	--	1.8E-02
	lbs/day ²	--	--	--	3.5E-03
	lbs/day ³	--	--	--	3.5E-03

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average
Trichloroethylene	µg/L	--	--	--	2.4E+03
	lbs/day ²	--	--	--	4.5E+02
	lbs/day ³	--	--	--	4.5E+02
1,1,2-trichloroethane	µg/L	--	--	--	8.3E+02
	lbs/day ²	--	--	--	1.6E+02
	lbs/day ³	--	--	--	1.6E+02
2,4,6-trichlorophenol	µg/L	--	--	--	2.6E+01
	lbs/day ²	--	--	--	4.8E+00
	lbs/day ³	--	--	--	4.9E+00
Vinyl Chloride	µg/L	--	--	--	3.2E+03
	lbs/day ²	--	--	--	6.0E+02
	lbs/day ³	--	--	--	6.1E+02

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average

¹ Scientific “E” notation is used to express certain values. In scientific “E” notation, the number following the “E” indicates that position of the decimal point in the value. Negative numbers after the “E” indicate that the value is less than 1, and positive numbers after the “E” indicate that the value is greater than 1. In this notation a value of 6.1E-02 represents 6.1×10^{-2} or 0.061, 6.1E+02 represents 6.1×10^2 or 610, and 6.1E+00 represents 6.1×10^0 or 6.1.

² **If the Discharger can demonstrate to the satisfaction of the San Diego Water Board (subject to USEPA approval) that an analytical method is available to reliably distinguish between strongly and weakly complexed cyanide, performance goals may be evaluated with the combined measurement of free cyanide, simple alkali metals cyanides, and weakly complexed organometallic cyanide complexes. In order for the analytical method to be acceptable, the recovery of free cyanide from metal complexes must be comparable to that achieved by the approved method in 40 CFR Part 136, as revised May 14, 1999. Applicable while the Combined Effluent to the OOO is prohibited from exceeding 22.6 MGD.**

³ **The water quality objectives for total chlorine residual applicable to intermittent discharges not exceeding two hours, shall be determined through the use of the following equation:**

$\log y = 0.43 (\log x) + 1.8,$

where y =the water quality objective (in ug/l) to apply when chlorine is being discharged;

x =the duration of uninterrupted chlorine discharge in minutes.

Actual effluent limitations for total chlorine, when discharging intermittently, shall then be determined according to Implementation Procedures for Table B from the Ocean Plan, using a minimum probable initial dilution factor of 87 and a flow rate of 22.6 MGD.

Applicable while the Combined Effluent to the OOO is prohibited from exceeding 23.4 MGD (mass-based limits calculated based on a total flow of 22.9 MGD).

⁴ Dischargers may, at their option, apply this performance goal as a total chromium performance goal.

⁵ Chronic toxicity expressed as Chronic Toxicity Units (TUc) = 100/NOEL, where NOEL (No Observed Effect Level) is expressed as the maximum percent effluent or receiving water that causes no observable effect on a test organism.

⁶ Non-chlorinated phenolic compounds represent the sum of 2,4-dimethylphenol, 4,6-Dinitro-2-methylphenol, 2,4-dinitrophenol, 2-methylphenol, 4-methylphenol, 2-Nitrophenol, 4-nitrophenol, and phenol.

⁷ Chlorinated phenolic compounds represent the sum of 4-chloro-3-methylphenol, 2-chlorophenol, pentachlorophenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol.

⁸ Endosulfan represents the sum of alpha-endosulfan, beta-endosulfan, and endosulfan sulfate.

⁹ HCH (hexachlorocyclohexane) represents the sum of the alpha, beta, gamma (Lindane), and delta isomers of hexachlorocyclohexane.

¹⁰ Dichlorobenzenes represent the sum of 1,2- and 1,3-dichlorobenzene.

¹¹ Chlordane shall mean the sum of chlordane-alpha, chlordane-gamma, chlordane-alpha, chlordane-gamma, nonachlor-alpha, nonachlor-gamma, and oxychlordane.

¹² DDT represents the sum of 4,4'DDT; 2,4'DDT; 4,4'DDE; 2,4'DDE; 4,4'DDD; and 2,4'DDD.

¹³ Halomethanes represent the sum of bromoform, bromomethane (methyl bromide), and chloromethane (methyl chloride).

¹⁴ PAHs (polynuclear aromatic hydrocarbons) represent the sum of acenaphthalene; anthracene; 1,2-benzanthracene; 3,4-benzofluoranthene; benzo[k]fluoranthene; 1,12-benzoperylene; benzo[a]pyrene; chrysene; dibenzo[a,h]anthracene; fluorene; indeno[1,2,3-cd]pyrene;

Parameter	Unit	Performance Goals ¹			
		6-Month Median	Maximum Daily	Instantaneous Maximum	30-Day Average

¹⁵ phenanthrene; and pyrene.
 PCBs (polychlorinated biphenyls) represent the sum of chlorinated biphenyls whose analytical characteristics resemble those of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260.

Errata No.	Page No.	Section/ Table	Revision
19	F-44	First Sentence of VII.B.2.c	Implementing provisions at section III.C.4.c.(4) of the Ocean Plan require chronic toxicity monitoring for ocean waste discharges with minimum initial dilution of less than 100:1. Based on methods of the Ocean Plan, a maximum daily performance goal of 88 TUc is established in this Order and quarterly monitoring is retained from Order No. R9-2005-0136. <u>Monitoring for chronic toxicity has been reduced from quarterly to semiannually.</u>

Errata No.	Page No.	Section/ Table	Revision
20	F-45	VII.B.5.a	<p>i. As discussed in section II.B of this Fact Sheet, the capacity of the OOO has been determined to be significantly less than previously reported by the Discharger. The capacity of the OOO has been reduced from 30 MGD to 22.6 MGD. The Discharger reported that a portion of that capacity, up to <u>23.1 MGD, 23.4 MGD, and 24.4 MGD</u> could be regained through the cleaning of the OOO, <u>the replacement of a portion of the OOO, or the combination of cleaning and replacing a portion of the OOO.</u> This Order allows the Discharger to increase the permitted Combined Effluent discharge to the OOO if the Discharger can demonstrate that the capacity is available.</p> <p>ii. <u>As discussed in section II.B of this Fact Sheet, the discharge of effluent flow from SLRWRF through the land outfall to the OOO is limited based on the design capacity of the land outfall to the OOO. This Order limits the effluent discharged through the land outfall to the OOO to 13.5 MGD until the Discharger can demonstrate to the San Diego Water Board that the capacity of the land outfall to the OOO has been increased to the Discharger’s requested flow value of 15.4 MGD (treatment capacity of the SLRWRF).</u></p> <p>iii. This Order requires the Discharger to annually report on the status of the capacity of the OOO, and provided documentation to demonstrate that the Discharger can and will continue to achieve compliance with the flow limitations contained in section III of the Order.</p> <p>v. Prior to the expiration of this Order, this Order requires the Discharger to produce a final report regarding the capacity of the OOO to ensure that sufficient capacity is available to accommodate potential growth and any anticipated wastewaters in the future and submit their findings to the San Diego Water Board.</p>