

January 23, 2001

U. S. Nuclear Regulatory Commission Document Control Desk Washington, D.C. 20555

Gentlemen:

Subject:

Docket Nos. 50-361 and 50-362

Amendment to SONGS Units 2 and 3 NPDES Permits San Onofre Nuclear Generating Station Units 2 and 3

References:

 Letter to U.S. NRC, Document Control Desk, "Amendment to SONGS Units 2 and 3 NPDES Permits, San Onofre Nuclear Generating Station Units 2 and 3" docket nos. 50-361 and 50-362 from A.E. Scherer (SCE), dated June 8, 2000

2) Letter to H. W. Newton (SCE) and Mark McCabe (San Diego Department of Environmental Health), "NPDES Permit Addendum No. 1 for San Onofre Nuclear Generating Station, Unit Nos. 2 and 3, Order No. 99-47 and 99-48, NPDES Permit Nos. CA0108073 and CA0108181," from Michael P. McCann (San Diego Regional Water Quality Control Board), dated December 23, 2000 (attached)

Southern California Edison (SCE) notified the NRC of the San Diego Regional Water Quality Control Board's (RWQCB) intent to amend the NPDES Permits CA0108073, Order 99-47, and CA0108181, Order 99-48 for SONGS Units 2 and 3 respectively (Reference 1).

The RWQCB adopted a revised addendum on August 30, 2000. The proposed addendum added discharge limits and monitoring requirements for certain in-plant waste streams and added a bacteriological monitoring program. As required by Appendix B of the Units 2 and 3 Technical Specifications, Section 3.2, Environmental Protection Plan, to Operating License Nos. NPF-10 and NPF-15 for San Onofre Units 2 and 3, respectively, we are providing you with a copy of the revised addendum which we received on January 5, 2000.



If you have any questions, please contact me or Mr. Scott Medling at (949) 368-7492.

Sincerely,

Hushally FUR A. E. School

Enclosures

cc: E. W. Merschoff, Regional Administrator, NRC Region IV

J. A. Sloan, NRC Senior Resident Inspector, San Onofre Units 2 and 3

L. Raghavan, NRC Project Manager, San Onofre Units 2 and 3

S. Y. Hsu, Department of Health Services, Sacramento

Winston H. Hickox Secretary for Environmental Protection

California Regional Water Quality Control Board

San Diego Region

Internet Address: http://www.swrcb.ca.gov/~rwqcb9 9771 Clairemont Mesa Boulevard, Suite A, San Diego, California 92124-1324 Phone (858) 467-2952 FAX (858) 571-6972



December 23, 2000

Mr. H. W. Newton Manager, Site Support Services Southern California Edison Company P.O. Box 128 San Clemente, CA 92674

Mr. Mark McCabe
San Diego Department of Environmental Health
Recreational Water Quality Program
P.O. Box 129261
San Diego, CA 92112-9261

Dear Mr. Newton and Mr. McCabe,

ADDENDUM NO. 1 FOR SAN ONOFRE NUCLEAR GENERATING STATION, UNIT NOS. 2 AND 3, ORDER NO. 99-47 AND 99-48, NPDES PERMIT NOS. CA0108073 AND CA0108181.

Enclosed is the final copy of the NPDES permit addendum No. 1 for Southern California Edison's, San Onofre Nuclear Generating Station (SONGS), Unit Nos. 2 and 3, Order Nos. 99-47 and 99-48.

The Regional Water Quality Control Board (RWQCB) approved the addendum at the August 30, 2000 meeting. During the final discussion period, the board members requested that a bacteriological monitoring program be added to the addendum. In recent weeks, RWQCB staff has worked with you and your staffs' to develop an acceptable bacteriological monitoring program. That program has been included into the attached addendum in section 13.

A copy of the final addendum was also sent to the individuals and organizations represented on the attached interested parties and interested agencies lists.

Please direct comments and questions to Mr. Daniel Phares at (858) 627,3941 or email to phard@rb9.swrcb.ca.gov.

Respectfully,

MICHAEL P. McCANN

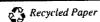
Supervising Engineer

attachments

JHR:mpm:jrp:djp

File: 13-0087.02 and 13-0088.02

California Environmental Protection Agency



Winston H. Hickox Secretary for Environmental Protection

California Regional Water Quality Control Board

San Diego Region



December 23, 2000

Dear Interested Parties and Government Agencies,

ADDENDUM NO. 1 FOR SAN ONOFRE NUCLEAR GENERATING STATION, UNIT NOS. 2 AND 3, ORDER NO. 99-47 AND 99-48, NPDES PERMIT NOS. CA0108073 AND CA0108181.

Attached is the final copy of the NPDES permit Addendum No. 1 for Southern California Edison's, San Onofre Nuclear Generating Station, Unit Nos. 2 and 3, Order Nos. 99-47 and 99-48.

The Regional Water Quality Control Board (RWQCB) approved the addendum at the August 30, 2000 meeting. During the final discussion period, the board members requested that a bacteriological monitoring program be added to the addendum. In recent weeks, RWQCB staff, the County Department of Environmental Health, and Southern California Edison agreed upon an acceptable bacteriological monitoring program. That program has been included into the attached addendum in section 13.

Please direct comments and questions to Mr. Daniel Phares at (858) 627-3941 or email to phard@rb9.swrcb.ca.gov.

Respectfully,

MICHAEL P. McCANN Supervising Engineer

attachments

JHR:mpm:jrp:djp

Cc: Interested Parties List

Interested Agencies List

File: 13-0087.02 and 13-0088.02

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN DIEGO REGION

ADDENDUM NO. 1

TO

ORDER NO. 99-47 AND 99-48 NPDES NO. CA0108073 AND CA0108181

WASTE DISCHARGE REQUIREMENTS FOR

SOUTHERN CALIFORNIA EDISON COMPANY
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2 AND UNIT 3
SAN DIEGO COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereinafter SDRWQCB), finds that:

- 1. On August 11, 1999, the SDRWQCB adopted Order No. 99-47 National Pollutant Discharge Elimination System (NPDES) Permit No. CA0108073, WASTE DISCHARGE REQUIREMENTS FOR SOUTHERN CALIFORNIA EDISON COMPANY SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2 SAN DIEGO COUNTY.
- 2. Also On August 11, 1999, the SDRWQCB adopted Order No. 99-48
 National Pollutant Discharge Elimination System (NPDES)
 Permit No. CA0108181, WASTE DISCHARGE REQUIREMENTS FOR
 SOUTHERN CALIFORNIA EDISON COMPANY SAN ONOFRE NUCLEAR
 GENERATING STATION, UNIT 3 SAN DIEGO COUNTY.
- 3. By letter dated December 10, 1999, Southern California Edison (SCE) requested permission to discharge wastes generated at the Unit No. 1 facility through the Unit Nos. 2 and/or 3 outfalls. The Unit Nos. 2 and 3 permits currently contain provisions for the discharge from the two on-site wastewater treatment plants through either the Unit No. 2 and/or 3 outfall. This addendum modifies Order Nos. 99-47 and 99-48 to allow the discharge of all in-plant waste sources generated at Unit No. 1 through either the Unit No. 2 and/or 3 outfall.
- 4. In addition, this addendum modifies Order Nos. 99-47 and 99-48 to specifically incorporate the guidance and provisions established in two paragraphs on page 13 of the Water Ouality Control Plan for Ocean Waters of California, 1997 (Ocean Plan). Chapter IV, Part B of the Ocean Plan on the fourth paragraph of page thirteen provides specific guidance on the application of Ocean Plan effluent limits and certain monitoring requirements. The existing Orders do not contain provisions for the creation of a sample consisting of all the in-plant waste streams, nor were the limits applied as required by the Ocean Plan. This addendum establishes both modified and additional effluent limitations and monitoring requirements in accordance with the Ocean Plan requirement.

- 5. This addendum also modifies the toxicity reduction evaluation (TRE) implementation procedures to reflect the guidance contained within the Ocean Plan. Chapter IV, Part C of the Ocean Plan on the fifth paragraph of page 13 provides guidance on toxicity reduction evaluation (TRE) requirements. This addendum deletes the original TRE provision in Order Nos. 99-47 and 99-48 and modifies a Monitoring and Reporting Program provision so that a consistent toxic result is required prior to the implementation of the TRE. The existing orders required the implementation of a TRE immediately after a toxicity test result exceeded an effluent limitation.
- 6. This addendum also changes the location of three control stations to the receiving water monitoring and reporting program that is shared by Unit Nos. 2 and 3. The modification will improve the usefulness of the deep-water turbidity data.
- 7: Finally, this addendum modifies the due dates for monitoring reports to be consistent with other NPDES permits and the Water Quality Standards Team Final Report, State Water Resources Control Board, April, 1999.
- The San Onofre Nuclear Generating Station (SONGS) consists of three discrete operating units, each with a separate intake and discharge structure. Unit No. 1 is the oldest of the three. Originally put into operation in 1968, Unit No. 1 passed a maximum of 460.8 million gallons per day (Mgallons/Day) of cooling water through its condensers until it was shutdown in 1992. SCE was allowed to begin decommissioning the plant around July 1999. The process should continue through 2004. The Unit No. 1 intake structure is located approximately 2,980 feet offshore and is fitted with a velocity cap. The outfall is approximately 2,460 feet offshore and is similar in design to the intake structure except without a cap. The Ocean Plan dilution factor assigned to that outfall is 2.4. The fate of the Unit No. 1 outfall and intake structures is currently under consideration. In anticipation of the removal of those structures, SCE has requested permission to discharge Unit No. 1 wastes through the Unit Nos. 2 and 3 outfalls.
- 9. SONGS Unit No. 2 and 3 are currently producing electrical power. Each Unit passes a maximum of 1218.6 Mgallons/Day of cooling water through its condensers. The SONGS Unit No. 2 intake is located 3,183 feet offshore. The Unit No. 2 outfall extends along an extensive diffuser array from 5,888 feet to 8,350 feet offshore. The Unit No. 3 intake structure is 3,183 feet offshore. The Unit No. 3 outfall extends from 3,558 feet to 6,020 feet offshore. The Ocean Plan dilution factor assigned to both Unit No. 2 and 3 outfalls is 10.0.

- 10. Issuance of this addendum is exempt from the requirement for preparation of environmental documents under the California Environmental Quality Act (Public Resources Code, Division 13, Chapter 3, Section 21000, et seq.) in accordance with Section 13389 of the California Water Code.
- 11. The SDRWQC3 has notified SCE and all known interested parties of its intent to modify Order No. 99-47 and 99-48.
- 12. The SDRWQCB has, at a public meeting, heard and considered all comments pertaining to this addendum to Order Nos. 99-47 and 99-48.

IT IS HEREBY ORDERED that Order Nos. 99-47 and 99-48 be revised as follows:

- 1. Add the following to the Findings Section of Order Nos. 99-47 and 99-48:
 - 80. By letter dated and received December 10, 1999, SCE requested permission to discharge wastes generated at Unit No. 1 through the Unit No. 2 and/or No. 3 outfall. Additional discharge limitations and monitoring requirements have been added accordingly. SCE is allowed to discharge all regulated waste sources noted in Finding 10 of Order 2000-04 through the Unit No. 2 and/or No. 3 outfall, subject to the limitations contained within this order.
- 2. Add the following to Section B, Discharge Limitations of Order Nos. 99-47 and 99-48:
 - 26. Discharge of all SONGS Unit 1 Low Volume wastes, including radwaste, steam generator draindown, and the oil removal system to the once-through cooling water flow containing pollutants in excess of the following effluent limitations is prohibited:

Parameter ,	Units	Monthly Average	Dailỳ Maximum	Instant Maximum
Total Suspended Solids	mg/l	30.0	100.0	100.0
Grease and Oil	mg/l	15.0	20.0	20.0

27. Discharges of any Metal Cleaning wastes generated by SONGS Unit No. 1 containing pollutants in excess of the following limitations is prohibited:

Parameter	Units	Monthly Average	Daily Maximum	Instant Maximum
Total Suspended Solids	mg/l	30.0	100.0	100.0
Grease and Oil	mg/l	15.0	20.0	20.0
Copper, total	mg/l	1.0	1.0	1.0
Iron, total	mg/l	1.0	1.0	1.0

-4-

- Replace Discharge Specification B.1, to Order Nos. 99-47 and 99-48 with the following:
 - 1. The combined discharge through the outfall to the Pacific Ocean containing pollutants in excess of the following effluent limitations is prohibited."

Parameter .	Units	Instantaneous Maximum ^{i/}
Arsenic	ug/l	850
Cadmium	ug/l	110
Chromium (Hexavalent) ^{7/}	ug/l	220
Copper	ug/l	310
Lead	ug/l	220
Mercury	ug/l	4.4·
Nickel	ug/l	550
Selenium	ug/l	1700
Silver	ug/1	75
Zinc	ug/l	2100

Parameter	Units	Monthly Average	Weekly Average ^{ty}	Daily Maximum ⁵	Maximum at any time
Total Chlorine Residual	ug/1	22	83	200	

Acute Toxicity ^{12/}	TUa	1.5	2.0		2.5
Chronic Toxicity ¹¹⁷	TUC	·		10	

Note: ug/l = micrograms per liter

- 4. Add the following to section B, Discharge Specifications of Order Nos. 99-47 and 99-48:
 - The combined discharge from all in-plant waste sources, sampled as specified in section E of the Monitoring and Reporting Program of this Order, to the once-through cooling water flow containing pollutants in excess of the following effluent limitations is prohibited:

(These are maximum limitations that are calculated using the procedure outlined on page 13 of the Ocean Plan using an initial dilution value of 10.0 and a maximum flowrate of 1286.9 MGD. For compliance purposes, the actual limit shall be determined by the following formula:

 $L_{\epsilon} = (Q_a/Q_m) L_{\epsilon}$

 L_{ϵ} = final limit used for compliance determination

Q = combined discharge flowrate at the time of sampling

 $Q_a = 1300 \text{ MGD}$

L_t = any limit in the following tables with units
 "lb/Day")

Parameter	Units	6-Month Median	Daily Maximum
Arsenic	lb/Day	620	` 3,500
Cadmium	lb/Day	120	. 480
Chromium (Hexavalent) ^{7/}	lb/Day	240	950
Copper	lb/Day	130	1,200
Lead	lb/Day	240	950
Mercury	lb/Day	. 5	19
Nickel	lb/Day	590	2,400
Selenium	lb/Day	1,800	7,100

Parameter	Units	6-Month Median	Daily Maximum
Silver	lb/Day	70	320
Zinc	lb/Day	1,500	8,600
Cyanide	lb/Day	120	480
Ammonia (as N)	lb/Day	55,000	270,000
Phenolic . Compounds (non- Chlorinated)	lb/Day.	3,100	14,000
Chlorinated Phenolics	lb/Day	120	500
Endosulfan	lb/Day	1.1	2.1
Endrin	lb/Day	0.24	0.47
HCH ³	lb/Day	0.47	0.94

Parameter .	Units	30-day Average
Acrolein	lb/Day	26,000
Antimony	lb/Day	140,000
Bis(2-chloroethoxy) methane	lb/Day	520
Bis(2-chloroisopropyl) ether	lb/Day	140,000
Chlorobenzene	lb/Day	67,000
Chromium (III)	lb/Day	22,000,000
Di-n-butyl phthalate	lb/Day	410,000
Dichlorobenzenes	lb/Day	600,000
1,1-dichloroethylene	lb/Day	840,000
Diethyl phthalate	lb/Day	3,900,000
Dimethyl phthalate	lb/Day	. 97,000,000
4,6-dinitro-2-methylphenol	lb/Day	26,000
2,4-dinitrophenol	lb/Day	470
Ethylbenzene	lb/Day	480,000
Fluoranthene	lb/Day	1,800
Hexachlorocyclopentadiene	lb/Day	6,800
	lb/Day	18,000,000
Isophorone	lb/Day	580
Nitrobenzene		

098	Ib/Day	M-nitrosodimethylamine
300	ID/Day	Нехасилогоетивле
00L'T	ZSG\dI	eneibsdudoroidoskeH
920.0	Ib/Day	Hexachlorobene
280.0	Ib/Day	Heptachlor
000'ST	Ib/Day	sənsidəmoisH
6T :	Ib/Day _	9nizarbyd1ynengib-2,1
370	Jp/Dsy	2,4-dinitrotoluene
L700'0_	Jb/Day	Dieldrin
00Τ΄Τ	Ib/Day	1,3-dichloropropene
000'89	JP\D&Y	Dichloromethane
000'ST]b/Day	1,2-dichloroethane
96.0	Ip/Day	3,3-dichlorobenzidine
2,100	YsC\d1	l,4-dichlorobenzene
20.0	Ib/Day	DDI
12,000	VaC/d1	СРТокобокт
7200.0	Ib/Day	Chlordane
OTT	Ib/Day	Carbon Tetrachloride
OID	Ib/Day	ejalsńing (lyadilyńja-s) sig
€.2	Ib/Day	Ais (2-chloroethyl) ether
6.8	ID/Day	Beryllium
1800.0	IP\Day	ənibiznə
007	Jb/Day	əuəzuəg
9200.0	Ib/Day	Aldrin
7.5	Jp\D&y	Acrylonitrile
. 000'001'9]b/Day	1,1,2-trichloroethane
000'000'79	Ib/Day	1,1,1-trichloroethane
71.0	Ysd/d1.	nijlvjudiaT
000'071	Z5C\d1	1,1,2,2-tetrachloroethane
JC,000,000	YSG\di	əuənŢoL
T,700	VaC\d1	muilladT
30-day Average	stinu	Рагатесег

Parameter	Units	30-day Average
N-nitrosodiphenylamine	lb/Day	300
PAHS	lb/Day	1.0
PCBs	lb/Day	0.0021
TCDD equivalents	lb/Day	0.00000046
Tetrachloroethylene	lb/Day	12,000
Toxaphene	lb/Day	0.025
Trichloroethylene	lb/Day	3,200
2,4,6-trichlorophenol	lb/Day	34
Vinyl Chloride	lb/Day	4,300

- 5. Replace Section D, Combined Discharge Monitoring, of the Monitoring and Reporting Programs for Order Nos. 99-47 and 99-48 with the following:
 - D. Combined Discharge Monitoring

Samples of the combined discharge shall be collected in accordance with the following criteria:

Parameter	Units	Type of Sample	Minimum Frequency
Flow	MGD		Continuous
Turbidity	NTU	Grab	Monthly
Acute Toxicity"	TUa	Composite	Quarterly
Chronic Toxicity 7	TUC	Composite	Semiannually
Chronic Toxicity (metal cleaning) 127	TUC	Composite	12/
Temperature ³ /	°F		Continuous
PH	PH units	Grab	Monthly
Total Chlorine Residual *	ug/L	Grab	Monthly
Hydrazine	ug/L	Grab	Monthly
Arsenic	ug/L	Grab	Semiannually
Cadmium	ug/L	Grab	Semiannually
Chromium (Hexavalent) 47	ug/L	Grab	Semiannually
Copper	ug/L	Grab	Semiannually

Parameter	Units	Type of Sample	Minimum Frequency
Lead	ug/L	Grab	Semiannually
Mercury	ug/L	Grab	Semiannually
Nickel	ug/L	Grab	Semiannually
Selenium	úg/L	Grab	Semiannually
Silver .	ug/L	Grab	Semiannually
Zinc	ug/L	Grab	Semiannually

- 6. Endnote 2 of the Monitoring and Reporting Programs for Order Nos. 99-47 and 99-48 is deleted.
- 7. Replace Section E, In-Plant Waste Streams Monitoring, of the Monitoring and Reporting Programs for Order Nos. 99-47 and 99-48, with the following:
 - E. IN-PLANT WASTE STREAMS MONITORING

The following shall constitute the in-plant waste stream monitoring program. The reported values shall result from individual grab samples of in-plant waste streams that are collected and composited on a flow-weighted basis. Measurements or estimates of flows of individual in-plant waste streams used as a basis for compositing shall be reported as well as the names of all waste streams sampled. The final sample should include as many wastes as possible. The highest priority waste streams are metal cleaning wastes, radwaste, full flow condensate polishing demineralizer regenerants and high flow make-up demineralizer regenerants. The flowrate used to determine the proportion of each waste stream in the combined sample shall be the yearly average.

The final composite sample shall be derived from all of the following wastestreams:

Unit 2: thermophilic digester, condenser hotwell overboard, steam generator blowdown, blowdown processing system demineralizer regenerants, full flow condensate polishing demineralizer regenerants, makeup demineralizer regenerants, radwaste system, Unit 2 oil/water separator, intake structure sump, metal cleaning waste, seawater pumps bearing flush water, storm drains, and domestic wastewater treatment plants. If any of the following wastes generated at Unit No. 1 are discharged through the Unit No. 2 outfall during the year prior to sampling, they should be included in

the composite sample: metal cleaning wastes, radwaste, steam generator draindown, and oil removal system.

Unit 3: thermophilic digester, condenser hotwell overboard, steam generator blowdown, blowdown processing system demineralizer regenerants, full flow condensate polishing demineralizer regenerants, makeup demineralizer regenerants, radwaste system, oil/water flocculator, intake structure sump, metal cleaning waste, seawater pumps bearing flush water, storm drains, and domestic wastewater treatment plants. If any of the following wastes generated at Unit No. 1 are discharged through the Unit No. 3 outfall during the year prior to sampling, they should be included in the composite sample: metal cleaning wastes, radwaste, steam generator draindown, and oil removal system.

Parameter	Units	Minimum Frequency of Analysis	Reporting Frequency
PH	pH units	Annual	Annual
Arsenic	lb/Day	Annual	Annual
Cadmium	lb/Day	Annual	Annual
Chromium (Hexavalent)*'	lb/Day	Annual	Annual
Copper	lb/Day	Annual	Annual
Lead	lb/Day	Annual	Annual
Mercury	lb/Day	Annual	Annual
Nickel	lb/Day	Annual	Annual
Selenium	lb/Day	Annual	Annual
Silver	lb/Day	Annual	Annual
Zinc	lb/Day	Annual	Annual
Cyanide	lb/Day	Annual:	Annual
Ammonia (expressed as nitrogen)	lb/Day	Annual	Annual
Phenolic Compounds (non-chlorinated)	lb/Day	Annual	Annual
Chlorinated Phenolics	lb/Day	Annual	Annual
Endosulfan	lb/Day	Annual	Annual
Endrin	lb/Day	Annual	Annual
HCH ⁶	lb/Day	Annual	Annual

			F
IsunnA	_sunnA	Ib/Day	Beryllium
[aunnA	1sunn4	Tp\Dg\	Benzidine
IsunnA	IsunnA	YsC\d1	euesueg
Faunta	<u> isunnA</u>	ID/Day	Aldrin
[sunnA	LsunnA	Ib/Day	Acrylonitrile
AnnaA	:LsunnA	1b/Day	1,1,2-trichloroethane
1sunnA	1. SunnA	Ib/Day	1,1,1-trichloroethane
IsunnA	LaunnA	Z5U\dI	Tributyltin
[sunn4	LaunnA	lb/Day	1,1,2,2- retrachloroethane
IsunnA	LaunnA	1p\Day	Poluene
Annual	[sunn4	Ip\Day	muilladT
LaunnA	IsunnA	IP\Dg\	Nicrobenzene
[sunnA	LaunnA	lb/Day	Isophorone
[sunnA	1sunnA	1b/Day	Hexachlorocyclopentad iene
faunn4	LaunnA	1b/Day	Fluoranthene
[sunnA	LsunnA.	Ib/Day	= euszuəqT/uj=
LaunnA ·	LaunnA	VsU\dI	2,4-dinitrophenol
LsunnA	IsunnA	Tp/Day	d, 6-dinitro-2-
[sunnA	IsunnA	Ib/Day	Dimethyl phthalate
IsunnA [suga4	[sunnA	Jp\D&Y	Diethyl phthalate
LaunnA	IsunnA	Ib/Day	1,1-dichloroethylene
	Isuna4	Ib/Day	Dichlorobenzenes
<u> </u>	LsunnA	VsC\d1	91515Ajd Lyjud-n-iQ
1sunn4	LaunnA	Tb/Day	Chromium (III)
LaunnA	[sunn4	Ib/Day	Chlorobenzene
LaunnA	[sunn4	Vad\d1	erpek cpjokofeobkoblj) Efe (5-
<u> LaunnA</u>	Tenuut	Ib/Day	(Xxonzeovoldo-2) alg
[sunnA	Launn4.	Ib/Day	VaomisaA
LeunnA	Annual	VaC\dī	yckojeju

			,	
Bis (2-chloroethyl) ether	lb/Day	Annual	Annual	
Bis (2-ethylhexyl) phthalate	lb/Day	Annual	Annual	
Carbon tetrachloride	lb/Day	Annual	Annual	
Chlordane	lb/Day	Annual	Annual	
Chloroform	lb/Day	Annual	Annual	
DDT	lb/Day	Annual	Annual	
1,4-dichlorobenzene	lb/Day	Annual	Annual	
3,3-dichlorobenzidine	lb/Day	Annual	Annual	
1,2-dichloroethane	lb/Day	Annual	Annual	
Dichloromethane	lb/Day	Annual	Annual	
1,3-dichloropropene	lb/Day	Annual	Annual	
Dieldrin	lb/Day	Annual	Annual	
2,4-dinitrotoluene	lb/Day	Annual	Annual	
1,2-diphenylhydrazine	lb/Day	Annual	Annual	
Halomethanes	lb/Day	Annual	Annual	
Heptachlor	lb/Day	Annual	Annual	
Hexachlorobenzene	lb/Day	Annual	Annual	
Hexachlorobutadiene	lb/Day	Annual	Annual	
Hexachloroethane	lb/Day	Annual	Annual	
N- nitrosodimethylamine	lb/Day	Annual	Annual	
N- nitrosodiphenylamine	lb/Day	Annual	Annual	
PAHs	lb/Day	Annual:	Annual	
PCBs	lb/Day	Annual	Annual	
TCDD equivalents	lb/Day	Annual	Annual	
Tetrachloroethylene	lb/Day	Annual Annua		
Toxaphene	lb/Day	Annual	Annual Annual	
Trichloroethylene	lb/Day	Annual	Annual	
1				

2,4,6-trichlorophenol	lb/Day	Annual	Annual
Vinyl Chloride	lb/Day	Annual	Annual

- 8. Add the following to the Endnotes section of the Monitoring and Reporting Programs of Order Nos. 99-47 and 99-48:
 - 12. An additional toxicity test shall be performed during the discharge of metal cleaning wastes. Sampling shall occur at the combined discharge.
- 9. Section J, Receiving Water Monitoring, part 6 and 7 of the Monitoring and Reporting programs of Order Nos. 99-47 and 99-48 are revised as follows:
 - A. Add additional control stations H22S, J22S, and M22S and remove stations F24S, F26S, and F20S for temperature and transmissometer profiles (Attachment 1).
- 10. Provision 10 of Order Nos. 99-47 and 99-48 is deleted.
- 11. Replace Monitoring Provision 22 of the Monitoring and Reporting Programs for Order Nos. 99-47 and 99-48 with the following:
 - 22. Toxicity Provisions
 - a) Implementation of the Acute and Chronic Limits

 If the results of an acute or chronic toxicity
 test exceeds the limits specified in this order,
 the discharger shall:
 - Take all reasonable measures necessary to immediately minimize toxicity; and
 - Increase the frequency of the toxicity test(s) that violated the effluent limitation to at least two times per month until the results of at least three consecutive toxicity tests meet the required standard. Resampling should occur under conditions that mimic the conditions of the initial noncompliant toxicity test.

If the Executive Officer determines that toxicity testing shows a consistent violation of the limits specified in this order, the discharger shall conduct a TRE which includes all reasonable steps to identify the source of toxicity. Once the source of toxicity is identified, upon the Executive Officer's request, the discharger shall take all reasonable steps to reduce the toxicity

Addendum No. 1 Order Nos. 99-47 and 99-48

> to meet the toxicity limitations contained in this Order.

> Within fourteen days of completion of the TRE, the discharger shall submit the results of the TRE, including a summary of the findings, data generated, a list of corrective actions necessary to achieve consistent compliance with this Order and prevent future violations, and a time schedule for implementation of such corrective actions. The corrective actions and time schedule shall be modified at the discretion of the Executive Officer.

The EPA acute and chronic manuals EPA/600/6-91/005F (Phase I), EPA/600/R-92/080 (Phase II), and EPA/600/R-92/081 (Phase III) and EPA/600/2-88/070, (TRE protocol for industrials) are excellent resource documents that may be helpful to the discharger.

Toxicity Reopener (d

> This permit may be modified in accordance with the requirements set forth at 40 CFR Part 122 and 124, to include appropriate conditions or limits to address demonstrated effluent toxicity based on newly available information, or to implement any EPA-approved new state water quality standards applicable to effluent toxicity.

12. Replace Section L of the Monitoring and Reporting Programs of Order Nos. 99-47 and 99-48 with the following:

MONITORING REPORT SCHEDULE

Monitoring reports shall be submitted to the Executive Officer according to the dates in the following schedule:

Monitoring Frequency

Report Due

Monthly

First Day of the second month after the month of sampling

Ouarterly

First day of the second month after the quarter ends: May 1st, August 1st, November 1st, and February 1st.

-15- December 22, 2000

Addendum No. 1 -15 Order Nos. 99-47 and 99-48

Semiannual

First day of the second month after the 6-month period: August 1st and February 1st.

Annual

February 15.

13. Add a section M to the Monitoring and Reporting Program for Order Nos. 99-47 and 99-48 to read as follows:

M. BACTERIAL MONITORING PROGRAM

The following program shall measure compliance with Part D, Receiving Water Limitations, Section 2, part a, Bacterial Characteristics. Results shall be reported monthly. All sampling shall be performed according to procedures specified in Appendix II of the California Ocean Plan 1997. If any data point in the monthly report indicates a total coliform density greater than 10,000 organisms/100ml, a fecal coliform density greater than 400 organisms/100ml, or an enteroccus density greater than 104 organisms/100ml then a copy of that report shall also be sent to:

San Diego Department of Environmental Health Recreational Water Quality Program P.O. Box 129261
San Diego, CA 92112-9261
Fax: (619)338-2174
Phone (Clay Clifton): (619)338-2386

1. Receiving Water Stations

Monthly grab sampling shall occur at two locations shown in Attachment 2. The two locations shall be located 500 feet shoreward of the Unit 1 Outfall. Station one shall be located 500 feet upcoast and the station two shall be located 500 feet downcoast. Samples shall be taken from surface, mid-depth, and bottom and be analyzed for total coliform density, fecal coliform density, and enterococcus density. Results shall be reported in units of number of organisms per/100ml.

2. Shore Stations

Monthly grab sampling shall occur in the surfzone at two locations. Samples shall be analyzed for total coliform density, fecal coliform density, and enterococcus density. Results shall be reported in units of number of organisms per/100ml.

-16-

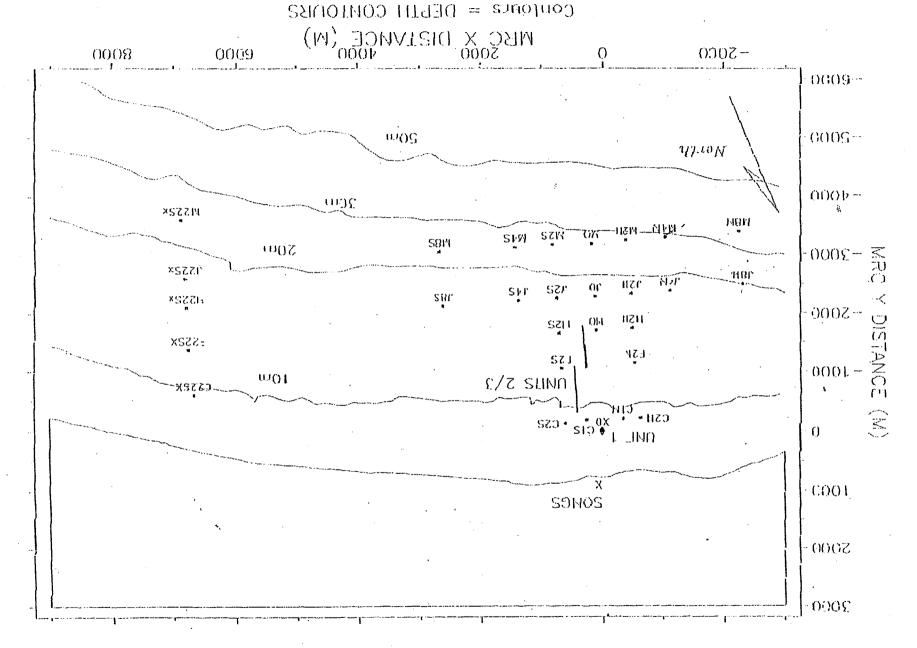
- a. Station 1 shall be located at the San Onofre Surfing Beach located several hundred yards upcoast of the power plant.
- b. Station 2 shall be located in the San Onofre Bluffs area located downcoast of the power plant. Sampling shall occur at the beach access point at the end of Trail 6.

From April 1 to October 31 of every year, Station 1 shall be monitored weekly. The results of this monitoring shall be transmitted as soon as possible after obtaining the sample results to the San Diego Department of Environmental Health. The results shall also be summarized in the standard monthly report sent to the Regional Board.

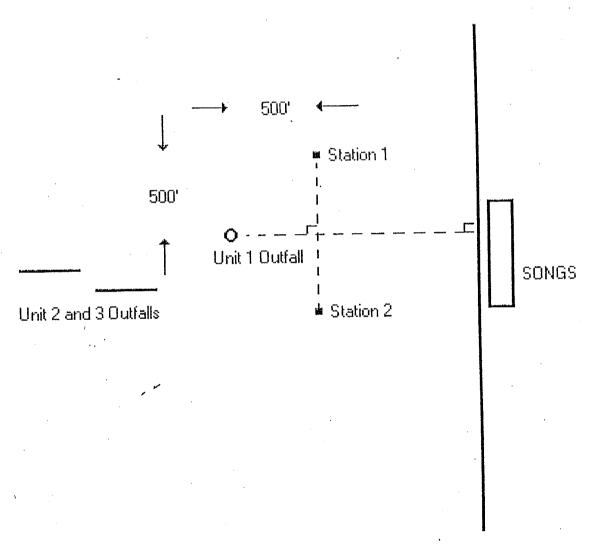
I, John H. Robertus, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Addendum adopted by the California Regional Water Quality Control Board, San Diego Region, on August 30, 2000. This Addendum shall take effect November 30, 2000.

JOHN H. ROBERTUS Executive Officer

Waler Quality Station Locations



ATTACHMENT 2
Coliform Monitoring Stations



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