

Southern California Edison Company

SCE

P. O. BOX 351

JACK B. MOORE
VICE PRESIDENT

LOS ANGELES, CALIFORNIA 90053

TELEPHONE
213-624-7111

February 23, 1971

SCE File No. SO23-A.4.06.2
SO23-A.4.06.5

Regulatory

File Cy.

Mr. Harold L. Price
Director of Regulation
United States Atomic Energy Commission
Washington, D.C. 20545

Dear Mr. Price:

Subject: Docket Nos. 50-361 and 50-362
State Certification of Compliance
with Water Quality Standards
San Onofre Nuclear Generating Station
Units 2 and 3



Reference is made to your letter of January 29, 1971 requesting the status of our efforts to secure from the State of California certification of compliance with water quality standards for our San Onofre Nuclear Generating Station, Units 2 and 3.

In California, this certification is issued by the State Water Resources Control Board upon recommendation by the Regional Water Quality Control Board. The San Onofre site is under the jurisdiction of the San Diego Regional Board. Separate applications were submitted to the San Diego Board for (1) spoil disposal in connection with site preparation and construction of the offshore circulating water conduits, and (2) operation of the circulating water system. Separate applications, rather than a combined one, were submitted due to the tight construction schedule in order to proceed with site preparation independent of discharge requirements for conduit operations. A brief summary of our progress on these applications is as follows:

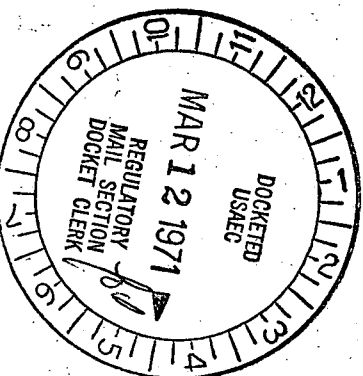
SPOIL DISPOSAL

Application Submitted-----July 8, 1970

Discharge Requirements Adopted-----September 21, 1970

Certification Issued-----October 7, 1970

Monitoring Program Specified-----January 27, 1971



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Mr. Harold L. Price
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CIRCULATING WATER SYSTEM OPERATION

Application Submitted-----September 10, 1970

Public Hearing to Review
Application and Receive
Comments from Interested
Agencies or Individuals-----December 15, 1970

Adoption of Discharge
Requirements and Establishment
of Monitoring Program-----Expected May, 1971

Certification-----Expected June, 1971

Enclosed for your information is a copy of the certification for spoil disposal. As indicated above, final certification for operation of the circulating water system is expected in approximately June, 1971. We are currently working with the San Diego Board Staff to develop a comprehensive oceanographic study program to monitor for any effects of operation of Units 2 and 3.

We will keep you informed of our progress in obtaining the final certification for operation of the circulating water system.

Sincerely,

SOUTHERN CALIFORNIA EDISON COMPANY

By JB Moore
Jack B. Moore
Vice President

SAN DIEGO GAS & ELECTRIC COMPANY

By M R Engler
Martin R. Engler, Jr.
Senior Vice President

STATE WATER RESOURCES CONTROL BOARD

ROOM 1140, RESOURCES BUILDING
416 NINTH STREET • SACRAMENTO 95814

Phone 445-3993

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KERRY W. MULLIGAN, Chairman
E. F. DIBBLE, Vice Chairman
H. G. RUME, Member
EDWARD B. ROSE, Member
W. W. ADAMS, Member
JEROME B. GILBERT, Executive Officer

Received w/ Ltr Dated

SEE FILE NO.

2-23-71-4065

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OCT 8 1970

JACK B. MOORE

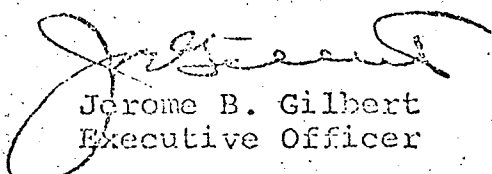
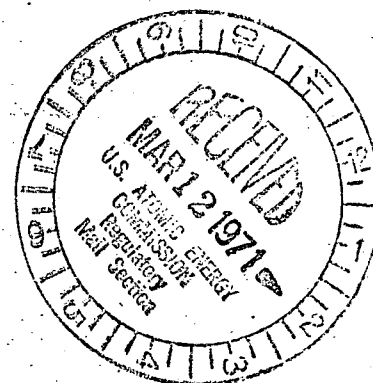
Mr. J. B. Moore
Vice President
Southern California Edison Company
P. O. Box 351
Los Angeles, California 90053

Dear Mr. Moore:

attached

The certificate of conformance with water quality standards which you requested July 10, 1970, and a copy for your records is attached. This certificate is to accompany your request for a permit from the Department of the Army, Corps of Engineers, to deposit approximately 650,000 cubic yards of sand seaward of the mean high waterline two miles south of San Clemente at San Onofre Bluff.

Sincerely yours,


Jerome B. Gilbert
Executive OfficerEnclosure — *attached*cc: San Diego Regional WQC Board
Federal Water Quality Administration
U.S. Corps of Engineers

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State of California
State Water Resources Control Board

CERTIFICATE NO. 70-12

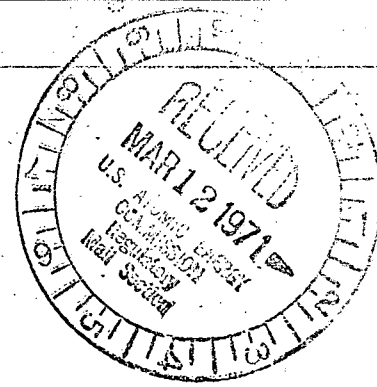
CERTIFICATE OF CONFORMANCE

FOR

SOUTHERN CALIFORNIA EDISON COMPANY

FOR

PURPOSES OF THE FEDERAL WATER QUALITY IMPROVEMENT ACT OF 1970



The State Water Resources Control Board finds that:

1. The Southern California Edison Company intends to deposit approximately 650,000 cubic yards of sand seaward of the mean high waterline about two miles south of San Clemente at San Onofre Bluff, San Diego County.
2. A permit for this activity is required from the Department of the Army, Corps of Engineers.
3. Under Section 21(b) of the Federal Water Pollution Control Act (as amended by P.L. 91-224) certification of conformance with applicable water quality standards by the State is required before the Corps of Engineers permit can be granted.
4. Waste discharge requirements for spoil disposal were adopted by Resolution No. 70-843 of the California Regional Water Quality Control Board, San Diego Region. These requirements are in conformance with the federally approved Water Quality Control Policy for the Pacific Ocean within the San Diego Water Quality Control Region.
5. The State has statutory authority for implementing water quality control policy and plans by adopting and enforcing waste discharge requirements and for review and revision of requirements to issue continuing compliance with water quality standards.
6. The State Board is designated by Section 13160 of the Water Code as the State water pollution control agency for all purposes stated in the Federal Water Pollution Control Act and any other federal act heretofore or hereinafter enacted.
7. The Executive Officer of the California Regional Water Quality Control Board, San Diego Region, has recommended to the State Board that the activity be certified.
8. The Executive Officer of the State Board is authorized to take all actions in connection with applications for certification except when public hearing is held.

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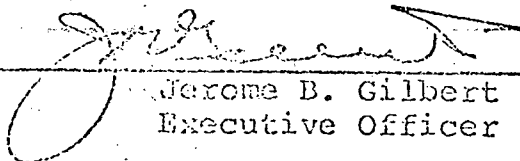
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CERTIFICATE NO. 70-12

9. There is reasonable assurance that the above described activity by the Southern California Edison Company will be conducted in a manner which will not violate applicable water quality standards and it is so certified.

10/7/70
(Date)

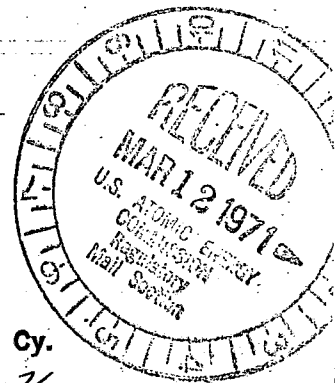

Jerome B. Gilbert
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

Regulatory

File Cy.

Received w/Ltr Dated 2-23-71



RESOLUTION 70 - R42

A RESOLUTION PRESCRIBING REQUIREMENTS FOR THE
DISPOSAL OF SPOIL INTO THE PACIFIC OCEAN
IN THE VICINITY OF SAN Geronimo NUCLEAR GENERATING STATION
BY THE SOUTHERN CALIFORNIA EDISON COMPANY AND THE
SAN DIEGO GAS & ELECTRIC COMPANY

WHEREAS:

IN COMPLIANCE WITH THE PROVISIONS OF SECTION 13260 OF THE WATER CODE OF THE STATE OF CALIFORNIA, Mr. J. B. MOORE, VICE PRESIDENT, SOUTHERN CALIFORNIA EDISON COMPANY AND Mr. C. M. LAFFOON, VICE PRESIDENT, SAN DIEGO GAS & ELECTRIC COMPANY, DID, ON JULY 10, 1970, SUBMIT IN BEHALF OF THE SOUTHERN CALIFORNIA EDISON COMPANY AND THE SAN DIEGO GAS & ELECTRIC COMPANY, A REPORT OF WASTE DISCHARGE WHEREIN IS PROPOSED THE DISPOSAL OF APPROXIMATELY 650,000 CUBIC YARDS OF SAN MATEO SAND BY DISCHARGE INTO THE PACIFIC OCEAN AS BEACH REPLENISHMENT; AND

WHEREAS:

ON AUGUST 12, 1970, THE ORIGINAL PROPOSAL WAS MODIFIED TO INCLUDE DREDGING AND SPOIL DISPOSAL OPERATIONS ASSOCIATED WITH THE PLACEMENT OF FOUR 18-FOOT DIAMETER COOLING WATER INTAKE AND DISCHARGE LINES IN THE PACIFIC OCEAN; AND

WHEREAS:

THIS REGIONAL BOARD HAS CAUSED THE FOLLOWING INVESTIGATION WITH RESPECT TO THE AFORESAID PROPOSAL TO BE MADE:

1. FIELD INSPECTIONS OF THE PROPOSED SITE AND ADJACENT AND DOWNSTREAM AREAS WERE MADE BY MEMBERS OF THE STAFF OF THIS BOARD.
2. COMMENTS AND RECOMMENDATIONS WERE REQUESTED FROM ALL KNOWN INTERESTED AGENCIES AND THE FOLLOWING WERE RECEIVED AND REVIEWED:

(A) MEMORANDA FROM THE STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF SANITARY ENGINEERING, DATED AUGUST 11 AND AUGUST 20, 1970.

(B) LETTERS FROM THE SAN DIEGO COUNTY DEPARTMENT OF PUBLIC HEALTH DATED AUGUST 13 AND AUGUST 26, 1970.

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(c) MEMORANDA FROM THE STATE DEPARTMENT OF WATER RESOURCES
DATED AUGUST 14 ~~AND~~ AUGUST 26, 1970.

(d) MEMORANDUM FROM THE STATE WATER RESOURCES CONTROL BOARD
DATED SEPTEMBER 8, 1970.

3. RESOLUTION 67-7, A RESOLUTION SETTING FORTH IN DETAIL REVISED WATER QUALITY CONTROL POLICY FOR THE PACIFIC OCEAN WITHIN THE SAN DIEGO WATER QUALITY REGION, WAS REVIEWED INsofar AS IT PERTAINED TO THE PROPOSED DISCHARGE.

WHEREAS:

ON SEPTEMBER 16, 1970, TENTATIVE WASTE DISCHARGE REQUIREMENTS WERE SUBMITTED TO MESSRS. J. B. MOORE AND C. M. LAFFOON, AND COPIES THEREOF WERE SENT TO ALL KNOWN INTERESTED AGENCIES AND PERSONS REQUESTING COMMENTS THEREON, STATING THAT OBJECTIONS THERETO WOULD BE CONSIDERED BY THE BOARD IF SUBMITTED AT OR BEFORE THE TIME OF THIS MEETING; AND

WHEREAS:

BASED UPON THE FOREGOING, THE BOARD FINDS THAT:

1. THE SAN ONOFRE NUCLEAR GENERATING STATION, OF THE SOUTHERN CALIFORNIA EDISON COMPANY AND THE SAN DIEGO GAS & ELECTRIC COMPANY, IS LOCATED IN THE NORTHERLY ONE-HALF OF SECTION 25, T9S, R7W, Q20M, IMMEDIATELY ADJACENT TO THE PACIFIC OCEAN, APPROXIMATELY TWO AND ONE-HALF MILES SOUTH OF THE SAN DIEGO-ORANGE COUNTY LINE.

2. IT IS PLANNED TO EXPAND THE EXISTING POWER PLANT BY ADDITION OF TWO 1140 MEGAWATT (NET ELECTRICAL) GENERATING UNITS.

3. IN CONNECTION WITH SITE PREPARATION FOR THE NEW UNITS, IT IS PLANNED TO EXCAVATE APPROXIMATELY 2,650,000 CUBIC YARDS OF SPOIL MATERIAL FROM THE BLUFF IN A MANNER SIMILAR TO THAT EMPLOYED FOR UNIT 1. THIS MATERIAL IS REPORTED TO CONSIST OF TWO PREDOMINANT TYPES: (1) SURFACE TERRACE DEPOSITS OF SILTY, CLAYEY FINE TO COURSE SANDS WITH LAYERS OF COBBLES AND BOULDERS--APPROXIMATELY 2,000,000 CUBIC YARDS; AND (2) THE UNDERLYING SAN MATEO FORMATION OF VERY DENSE, FINE TO COURSE SAND--APPROXIMATELY 650,000 CUBIC YARDS. THE SAN MATEO FORMATION CONTAINS SOME LENSES AND PODS OF SILTY, CLAYEY MATERIAL.

4. MATERIAL EXCAVATED FROM THE TERRACE DEPOSITS WOULD BE DISPOSED OF AT SPECIFIC SITES ON CAMP PENDLETON DESIGNATED BY THE UNITED STATES MARINE CORPS. IT IS REPORTED THAT THIS MATERIAL WOULD BE PLACED, GRADED, AND COMPACTED SO AS TO MINIMIZE ANY TRANSFER BY EROSION TO THE BEACHES AND OCEAN WATERS.

5. MATERIAL EXCAVATED FROM THE SAN MATEO FORMATION WOULD BE DEPOSITED ALONG THE BEACH IN FRONT OF THE PLANT SITE TO BE REDISTRIBUTED BY NATURAL WAVE ACTION FOR REPLENISHMENT OF THE BEACHES IN THE AREA. INITIALLY, A SMALL PORTION OF THE SAND WOULD BE PROTECTED BY A TEMPORARY SHEET PILE WALL AND USED AS AN EQUIPMENT LAYDOWN AREA FOR CONSTRUCTION OF THE OFFSHORE CONDUITS. WHEN CONSTRUCTION IS COMPLETED, THE SHEET PILING WILL BE REMOVED AND THE REMAINING SAND ALSO WILL BE REDISTRIBUTED BY WAVE ACTION.

6. APPROXIMATELY 450,000 CUBIC YARDS OF SAN MATEO FORMATION MATERIAL WAS DEPOSITED ALONG THE BEACH IN A SIMILAR MANNER IN 1964 DURING SITE PREPARATION FOR UNIT 1. WASTE DISCHARGE REQUIREMENTS FOR THAT PROJECT WERE ESTABLISHED BY RESOLUTION 64-R16, A RESOLUTION PRESCRIBING REQUIREMENTS FOR THE DISPOSAL OF SAND INTO THE PACIFIC OCEAN IN NORTHERN SAN DIEGO COUNTY BY THE SAN DIEGO GAS & ELECTRIC COMPANY AND THE SOUTHERN CALIFORNIA EDISON COMPANY, ADOPTED BY THE REGIONAL BOARD ON JUNE 9, 1964.

7. INSTALLATION OF FOUR 18-FOOT DIAMETER CONDUITS FOR THE COOLING WATER INTAKE AND DISCHARGE SYSTEM WOULD REQUIRE ADDITIONAL EXCAVATION. EACH CONDUIT WILL BE BURIED BENEATH THE BEACH AND OCEAN FLOOR WITH A MINIMUM OVERBURDEN OF FOUR FEET. THE INTAKE CONDUITS WOULD EXTEND APPROXIMATELY 3400 FEET OFFSHORE, AND THE DISCHARGE CONDUITS APPROXIMATELY 2600 FEET OFFSHORE.

8. THE EXCAVATION OPERATIONS FOR THE OFFSHORE CONDUITS MAY CONSIST OF BOTH (1) DREDGING OPERATIONS WITH CONTINUOUS BACKFILLING OVER PREVIOUSLY PLACED CONDUITS; AND (2) "CLAMSHELL" EXCAVATION AND SUBSEQUENT BACKFILLING.

9. IT IS EXPECTED BY THE COMPANIES THAT DREDGING WOULD BE USED PREDOMINANTLY THROUGHOUT THE OFFSHORE CONDUIT INSTALLATION. CLAMSHELL OPERATIONS WOULD CONSIST OF EXCAVATING MATERIAL BY A CLAMSHELL BUCKET AND PLACING THE MATERIAL ON THE OCEAN FLOOR ALONGSIDE THE TRENCH FOR SUBSEQUENT BACKFILLING. THE CLAMSHELL METHOD MAY BE USED IN CROSSING THE BEACH AND AT THE TERMINAL STRUCTURES.

10. MOST OF THE MATERIAL WOULD BE USED AS BACKFILL TO COVER THE CONDUITS. EXCESS EXCAVATED SAND, CONSISTING OF APPROXIMATELY 150,000 CUBIC YARDS, WOULD BE DISPOSED OF ON THE SEAWARD SIDE OF THE INTAKE TERMINAL STRUCTURES IN EXISTING DEPRESSIONS OF THE OCEAN FLOOR. WATER DEPTH AT THE DISPOSAL AREA IS APPROXIMATELY 30 FEET.

11. LONGSHORE CURRENT MOVEMENT IS GENERALLY FROM NORTH TO SOUTH.

12. OCEANSIDE HARBOR, LOCATED APPROXIMATELY 15 MILES SOUTH OF THE POWER PLANT SITE, HAS EXPERIENCED PROBLEMS WITH SAND DEPOSITION IN THE ENTRANCE TO THE HARBOR.

13. BOTH THE DISPOSAL OF SAN MATEO FORMATION MATERIAL ALONG THE BEACH AND THE DREDGING AND DISPOSAL OF SPOIL ASSOCIATED WITH CONDUIT PLACEMENT WOULD TAKE PLACE IN THE NEARSHORE ZONE AS DEFINED BY RESOLUTION 67-2, WHICH ALSO SETS FORTH THE FOLLOWING BENEFICIAL USES FOR PROTECTION IN THE NEARSHORE ZONE: ESTHETIC ENJOYMENT; OCEAN WATER CONTACT SPORTS; MILITARY EXERCISES INVOLVING BODY CONTACT WITH WATER; PROPAGATION AND SUSTENANCE OF MARINE LIFE, INCLUDING KELP; SCIENTIFIC RESEARCH AND TRAINING; SPORTFISHING; COMMERCIAL FISHING; PLEASURE BOATING; SHIPPING; AND INDUSTRIAL WATER SUPPLY.

NOW, THEREFORE, BE IT RESOLVED:

THAT IN ORDER TO PROTECT THE BENEFICIAL USES SET FORTH IN RESOLUTION 67-2 AND ENUNCIATED IN FINDING NO. 13 ABOVE, AND TO PREVENT NUISANCES AS DEFINED IN SECTION 13056 OF THE WATER CODE OF THE STATE OF CALIFORNIA, THIS REGIONAL WATER

QUALITY CONTROL BOARD, IN ACCORDANCE WITH THE AUTHORITY GRANTED BY DIVISION 7 OF SAID CODE, HEREBY PRESCRIBE THE FOLLOWING REQUIREMENTS WITH REGARD TO THE DISPOSAL OF SPOIL FROM SITE AND CONDUIT EXCAVATION PROJECTS ASSOCIATED WITH UNITS 2 AND 3 OF THE SAN ONOFRE NUCLEAR GENERATING STATION BY THE SOUTHERN CALIFORNIA EDISON COMPANY AND THE SAN DIEGO GAS & ELECTRIC COMPANY:

1. THE DISPOSAL OF SOIL DESCRIBED AS TERRACE DEPOSITS BY DISCHARGE INTO THE PACIFIC OCEAN IS HEREBY PROHIBITED. SUCH MATERIAL IS TO BE DISPOSED OF IN AN ACCEPTABLE MANNER ON LAND SITES WHICH SHALL BE ADEQUATELY PROTECTED AGAINST EROSION DURING AND FOLLOWING THE PERIOD OF DEPOSITION.

2. LENSES AND PODS OF SILTY, CLAYEY MATERIAL GREATER THAN ONE FOOT IN THICKNESS IN THE SAN MATEO FORMATION SHALL NOT BE DEPOSITED ALONG THE BEACH FOR DISPOSAL. SUCH MATERIAL SHALL BE EXCAVATED AND DISPOSED OF AT TERRACE DEPOSIT DISPOSAL SITES.

3. THE DISPOSAL OF SAND ALONG THE BEACH AND OCEAN DISPOSAL OF EXCESS MATERIAL FROM CONDUIT TRENCH EXCAVATION SHALL NOT IMPAIR THE BENEFICIAL USES ENUNCIATED IN FINDING No. 13 ABOVE.

4. (A) THE DISCHARGER SHALL SUBMIT TRUE AND ACCURATE TECHNICAL REPORTS CONCERNING THE QUANTITY OF THE DISCHARGE AND ITS EFFECTS UPON THE RECEIVING WATERS IN ACCORDANCE WITH SPECIFICATIONS AND SCHEDULES TO BE DEVELOPED WITHIN 90 DAYS.

(B) THE DISCHARGER SHALL OBTAIN THE SERVICES OF A QUALIFIED SOILS ENGINEERING FIRM, NOT PREVIOUSLY ASSOCIATED WITH THE PROJECT, TO CERTIFY TO THE REGIONAL BOARD THAT: (1) TERRACE DEPOSIT MATERIAL HAS NOT BEEN PLACED ON THE BEACH OR IN THE OCEAN; (2) MATERIAL FROM CLAY LENSES AND PODS WITHIN THE SAN MATEO DEPOSIT HAS NOT BEEN PLACED ON THE BEACH OR IN THE OCEAN; (3) DISPOSAL OF TERRACE DEPOSIT SOIL HAS BEEN ACCOMPLISHED IN SUCH A MANNER THAT REQUIREMENT No. 1 OF THIS RESOLUTION WILL BE MET. CERTIFICATION SHALL BE BASED UPON CONTINUOUS FIELD INSPECTION OF THE EXCAVATION OPERATION; AND

BE IT FURTHER RESOLVED:

THAT THE DISCHARGER BE NOTIFIED THAT:

1. THE WASTE DISCHARGE REQUIREMENTS SET FORTH HEREIN PERTAIN ONLY TO THE SOIL DISPOSAL AND TRENCH DREDGING PROGRAMS DESCRIBED, AND HAVE NO APPLICABILITY TO REQUIREMENTS FOR EXISTING OR PROPOSED FUTURE COOLING WATER DISCHARGES.

2. SECTION 13002, DIVISION 7 OF THE CALIFORNIA WATER CODE STATES:

"NO PROVISION OF THIS DIVISION OR ANY RULING OF THE STATE BOARD OR A REGIONAL BOARD IS A LIMITATION:

"(A) ON THE POWER OF A CITY OR COUNTY OR CITY AND COUNTY TO ADOPT AND ENFORCE ADDITIONAL REGULATIONS, NOT IN CONFLICT THEREWITH, IMPOSING FURTHER CONDITIONS, RESTRICTIONS, OR LIMITATIONS WITH RESPECT TO THE DISPOSAL OF WASTE OR ANY OTHER ACTIVITY WHICH MIGHT DEGRADE THE QUALITY OF THE WATERS OF THE STATE.

"(B) ON THE POWER OF ANY CITY OR COUNTY OR CITY AND COUNTY TO DECLARE, PROHIBIT, AND ABATE NUISANCES.

"(C) ON THE POWER OF THE ATTORNEY GENERAL, AT THE REQUEST OF A REGIONAL BOARD, THE STATE BOARD, OR UPON HIS OWN MOTION, TO BRING AN ACTION IN THE NAME OF THE PEOPLE OF THE STATE OF CALIFORNIA TO ENJOIN ANY POLLUTION OR NUISANCE.

"(D) ON THE POWER OF A STATE AGENCY IN THE ENFORCEMENT OR ADMINISTRATION OF ANY PROVISION OF LAW WHICH IT IS SPECIFICALLY PERMITTED OR REQUIRED TO ENFORCE OR ADMINISTER.

"(E) ON THE RIGHT OF ANY PERSON TO MAINTAIN AT ANY TIME ANY APPROPRIATE ACTION FOR RELIEF AGAINST ANY PRIVATE NUISANCE AS DEFINED IN THE CIVIL CODE OR FOR RELIEF AGAINST ANY CONTAMINATION OR POLLUTION."

3. THE REGIONAL BOARD REQUESTS THAT AS MUCH AS POSSIBLE OF THE ESTIMATED 150,000 CUBIC YARDS OF EXCESS SAND FROM EXCAVATIONS FOR OFFSHORE CONDUIT PLACEMENT BE DISCHARGED AS CLOSE TO SHORE AS PRACTICAL TO ENHANCE SAND DEPOSITION ON THE BEACH.

AND BE IT FURTHER RESOLVED:

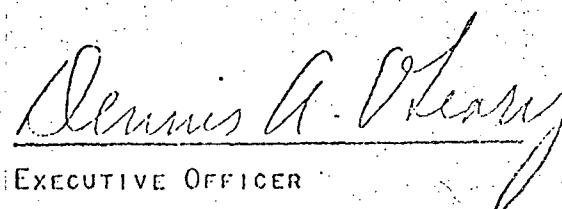
THAT A CERTIFIED COPY OF THIS RESOLUTION BE FORWARDED BY MAIL TO THE SOUTHERN CALIFORNIA EDISON COMPANY AND THE SAN DIEGO GAS & ELECTRIC COMPANY AND TO ALL KNOWN INTERESTED AGENCIES OR PERSONS WHO MAY HAVE NEED THEREFOR OR WHO MAY REQUEST SAME.

UNANIMOUSLY ADOPTED THIS 21ST DAY OF SEPTEMBER 1970.

/SIGNED/

CHAIRMAN

I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING IS A FULL, TRUE AND CORRECT COPY OF RESOLUTION 70-R42 OF THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, SAN DIEGO REGION, PASSED AND ADOPTED BY SAID BOARD ON SEPTEMBER 21, 1970.


EXECUTIVE OFFICER