

Exhibit B

DWR Dive Policy ST-9

PROJECT O&M INSTRUCTION NO. ST-9

SUBJECT: Diving Policy

ISSUE DATE: DEC 16 1998

SUPERSEDED: March 28, 1986

PURPOSE

To establish policy and procedures that the Division of Operations and Maintenance will follow for safe conduct of diving operations.

DISCUSSION

This instruction describes the administration, organization nomenclature and duties, selection and training of divers, the diving operations in general, safety regulations, and reports for diving operations in the Divisions. The specified dive reports also pertain to diving operations performed by commercial divers which the Divisions have the option of utilizing. The major objective of this instruction is the safety and well being of the divers who participate in the program.

This instruction supersedes all previous instructions, (Project O&M Instruction MM-IIH referred to in Water Resources Engineering Memorandum No. 55A).

ACTION

All individuals shall adhere to the following procedures in this instruction to conduct in-house diving.



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A. Administration and Management

The Chief, Civil Maintenance Branch, Division of Operations and Maintenance, by designation of the Chief, Division of Operations and Maintenance, will be responsible for general review and reporting to the Division Chiefs on the diving program; maintenance of diving files and records; administrative correspondence; and for review and routing of dive reports to interested or affected parties.

The Diving Safety Board (also referred to as the Board) will serve as the Department's technical experts for the diving program and will be primarily responsible for establishing and administering diving procedures, diver training and safety programs, and review of equipment for adequacy and proper use.

Depending on their needs, Divisions will have the option of: (1) maintaining a diving team, (2) using divers from other Divisions, or (3) contracting with commercial divers for their diving work. See Attachment A for an overview of diving operations.

B. Definitions

ACC - Area Control Center. The local communications and control center responsible for monitoring and regulating nearby gates, pumps, turbines, or other machinery used to control water flows at State Water Project facilities.

Authorized Local Divers - Divers, from outside agencies, that have demonstrated to the Board their diver training and expertise meets DWR standards. Outside agencies may include state, city, county, Federal, or other agencies approved by the Board. All diving operations made for or with authorized local agencies shall conform to the provisions of this instruction.

Clearance - A procedural requirement necessary when a diver enters an area that requires a greater degree of protection, such as diving near a check site or in front of a pumping plant. It is a statement from the Operations Supervisor declaring that the equipment to be worked on has been de-energized and isolated from hazardous sources of energy and that is, in that respect, safe for the worker (or diver) to proceed with the work authorized.

Diver Candidate - Any DWR diver not designated by the Board as a qualified DWR diver.

DWR Diving Manual - Another name for this instruction, O&M Instruction ST-9.

DWR Dive Report - A detailed underwater inspection report (DWR Form 3429) filed by the Diving Supervisor (See Section I). It includes a diving location, condition, personnel, time of dive, purpose, and description of the inspection activities.

Line Surface-Tended Diver - A diver following or holding a line that is being monitored at the surface by the dive tender or another diver. Useful when visibility is poor or when diving in areas where orientation is difficult.

Local Unit - A local unit is defined as an O&M Field Division, a Flood Management Yard, or Sacramento Headquarters.

Non-routine Dive - A dive is classified as non-routine if it fails to meet any of the requirements for a routine dive. Diving activities must be authorized by the Chairperson (or his/her designee in his/her absence) prior to diving activities.

Notice of Dive - Form DWR 3569 (see Attachment C) used to notify the Chairperson of a routine dive or used to request approval for a non-routine dive. Requests for dives on project facilities should also be submitted to the Operations Supervisor at the appropriate ACC for outage requests.

Official Dive - A dive for which a Notice of Dive form is submitted and approved by the Chairperson, if applicable. A routine dive does not require the Chairperson's prior approval but may be rescinded if the information provided is inadequate or the dive, in the Chairperson's opinion, is not a routine dive. Dives submitted as non-routine must be approved by the Chairperson (or a designated alternate). Dives for periodic training or for equipment and personnel check must be submitted to become official dives. A Notice of Dive form is included in this instruction as Attachment C.

OK to Work, Diving - A safe condition in the operation of the State Water Project that will allow divers to enter the water and perform necessary work. A clearance may be required for certain activities.

OP-2 - O&M Instruction OP-2, General Operating Procedures for Safe Clearances, Hot Line Orders, Special Conditions, and General Switching. This is the regulatory document governing all clearance and switching procedures throughout the State Water Project.

POC - The Project Operations Center, located in Sacramento. This is the main communications and control center where all SWP facilities are monitored. The POC may override the local ACC to regulate any facility in the SWP network.

Qualified DWR Diver - A diver meeting all the following criteria: 1) Has successfully completed advanced SCUBA training as designated by the Board, 2) Has demonstrated, during a probationary period, the desired diving knowledge and skills, 3) The Board has approved the Diving Coordinator's petition to grant the diver qualified diver status, and 4) The diver maintains his diving abilities by successfully completing all required refresher training and performing the official dives required by this instruction.

Routine Dive - A dive is classified as routine if it satisfies all the following criteria:

1. Diving operations will be conducted in conformance with provisions of Section G of O&M Instruction ST-9.
2. Safety regulations to be implemented will conform with provisions of Section H of O&M Instruction ST-9.
3. Dive depth will not exceed 35 feet.
4. All diving will be conducted in open areas. Any lateral or horizontal dives where divers must enter pipes, tunnels, or other enclosures where there is no vertical ascent are considered non-routine.
5. Diving is restricted to bodies of open water where flow velocities are not so excessive as to cause a diver to become fatigued. Diving is prohibited wherever there is a possibility the divers may inadvertently enter an area of excessive velocity.
6. Wind and water surface conditions are relatively calm.
7. The standard Notice of Dive form (DWR 3569), complete with all pertinent information, is sent by FAX machine to the Chairperson sufficiently in advance of all proposed dives.

The Chairperson may overrule or postpone a dive if the submitted information is inadequate or, in his opinion, does not represent a routine dive.

C. Organizational Nomenclature

1. Diving Safety Board - The Chief, Division of Operations and Maintenance, will appoint a Diving Safety Board to consist of not more than four qualified DWR Divers; the Chief, Civil Maintenance Branch, Division of Operations and Maintenance; and the Department's Chief Safety Engineer. Initial appointments of diver members will be in staggered terms of four, three, two, and one year, respectively. This will require that one diver member be replaced or reappointed for a four-year term each

year. Whenever practical and consistent with technical qualifications, which shall take precedence, membership shall be rotated among Divisions, with no more than two members from a given Division serving on the Board at the same time. One of the qualified DWR Diver members of the Board shall be appointed Chairperson each January by the Board members.

The Diving Safety Board will be responsible for:

- (a) Review and recommendations on the qualifications of diving applicants.
- (b) Review and approval of training for new divers and tender-timekeepers.
- (c) Preparing and maintaining a program of scheduled diver training for qualified DWR Divers and Diver Candidates.
- (d) Establishing and conducting a program for annual review of individual diver capabilities.
- (e) Qualifying, disqualifying, and requalifying divers and tender-timekeepers.
- (f) Selection and scheduling of retraining or additional training for divers and tender-timekeepers.
- (g) Review of diving procedures and practices.
- (h) Review of existing diving equipment for adequacy and safety and approval diving equipment purchases that promise to alter the Department's established diving procedures and practices.
- (i) Investigating and submitting reports on diving accidents to the Division Chiefs through the Chief, Civil Maintenance Branch, Division of Operations and Maintenance. The Diving Safety Board member of a local unit that has experienced a diving accident shall not participate, as a Board member, in the Diving Safety Board's investigation and reporting of the accident.
- (j) Reviewing and updating this instruction, sometimes called the DWR Diving Manual.

The Board shall meet at least twice a year but may meet whenever required to consider a new diver, training, or current problems in training, safety, or equipment.

2. Diving Coordinator - Each Field Division or local unit shall appoint a Diving Coordinator who may, or may not, be a qualified DWR Diver. It is

his/her responsibility, however, to be thoroughly familiar with basic diving techniques and have a detailed knowledge of all applicable regulations. A diving coordinator may also be appointed to act as the diving supervisor, provided he/she is a qualified DWR diver.

The Diving Coordinator's responsibilities for diving activities in the local unit will include the following:

- (a) Review each proposed diving operation with the requestor and dive supervisor to determine if diving is the best alternative; if it is within the capabilities of the local dive team; if additional division divers are needed; or, if contract divers are more appropriate.
- (b) Schedule the dive and coordinate the preparation of outages, special conditions, and clearances as needed, including the OK to Work, Diving. See Section G, Diving Operations.
- (c) Arrange for the required divers and assist in the assembly of support personnel and equipment.
- (d) Review with the dive supervisor the scope of the dive, any known hazards, clearance procedure, and coordination with adjacent activities if required.
- (e) Maintain all local unit dive records, and ensure that the required Notice of Dive forms, Monthly Scuba Records, and Dive Reports are appropriately prepared and submitted. All such requests, notices, and reports may be prepared by others but are to be reviewed and submitted by the Diving Coordinator.
- (f) Ensuring that dive equipment is inspected and tested as required.

The Diving Coordinator will consult with the Chairperson of the Diving Safety Board, or a designated Board member in his/her absence, for all non-routine dives. See Section B for the definition of routine and non-routine dives.

3. Diving Supervisor - The Diving Supervisor is a qualified DWR Diver and a member of a local unit diving team who has been appointed by the Diving Safety Board to plan and direct the diving activities for the unit. His/her responsibilities include:
 - (a) Being in charge of all aspects of the diving operation and being at the dive site during all diving activities. The dive supervisor has the final authority and responsibility for the dive and may take any precautions necessary to ensure diver safety.

- (b) Being responsible, with the assistance of the Diving Coordinator, for the assembly of the appropriate support personnel and equipment.
 - (c) Assisting the Diving Coordinator in obtaining the proper clearances and coordinating, as needed, with others who may be conducting activities near the diving operation.
 - (d) Notifying the ACC operator at the beginning and conclusion of the dive so normal State Water Project operations may be resumed.
 - (e) The evaluation of the qualifications and physical fitness of divers and selection of divers for each dive.
 - (f) The inspection of all equipment to be used during a dive and ensuring that all required equipment is available at the site.
 - (g) Ensuring that all personnel participating in a particular dive are thoroughly briefed on the dive objectives and that they know and understand all applicable safety regulations and emergency procedures.
 - (h) Debriefing respective divers immediately following a dive and preparing necessary reports.
4. Tender-Timekeeper - A tender-timekeeper (sometimes called a tender) shall be a qualified DWR diver or other individual approved by the Board as having the required background and training. A tender's responsibilities include: recording the dive times and related information, assisting the divers to prepare and disassemble the dive gear, helping the divers into and out of the water, and giving CPR and First-Aid, should the need arise.

Tender training shall be conducted by individuals or organizations approved by the Board and shall include instruction in diving physics, diving-related sicknesses and accidents, and diving equipment. Tenders shall be trained and certified in First-Aid, including Cardio Pulmonary Resuscitation (CPR) and the use of demand resuscitators. They shall take refresher courses in First-Aid every other year and in CPR annually to maintain their qualified tender status.

D. Selection of Diver

All Diver Candidates must be volunteers. Diver Candidates must be nominated by their respective Division Chief, shall have technical backgrounds most advantageous for knowledgeable inspection of Department facilities, must be in good physical condition, and must successfully complete a swim test (see

Attachment H) given by a Diving Supervisor or a DWR diver designated by the chairperson.

A complete medical examination, including resting EKG, chest X-ray, and Pulmonary Function Test will be a required part of screening applicants. A stress EKG, at the discretion of the physician, may also be required. See Section H, Safety Regulations, for annual medical examination requirements for qualified DWR divers. All medical examinations will be at State expense.

E. Diver Training

All prospective DWR divers must successfully complete an advanced SCUBA training course and receive Advanced Open Water certification before they will be allowed to dive. The advanced training will be given by a training school approved by the Board.

After the initial training, the diver candidate will serve a probationary period of not less than six months, but not longer than one year. During that time, the candidate must demonstrate an acceptable level of diving knowledge, aptitude, and skills. They must also adequately perform the duties required of a DWR diver without endangering themselves or fellow divers. Diver candidates successfully completing their probation may petition the Board, through their Diving Coordinator, for reclassification as qualified DWR divers.

If, in the opinion of the Board, a diver consistently displays poor judgement, a disregard for safe diving practices, or does not demonstrate desired diver capabilities, they shall be dropped from the dive program.

All divers shall be trained and qualified to perform basic first aid, including CPR and the use of a demand resuscitator.

All divers will continue training to maintain their diving skills. The Diving Safety Board will establish a program and procedures for their continuing training to include repetitive dives, diving physics, new techniques in diving and diving equipment.

All divers shall be given annual refresher training and must complete this training when scheduled by the Board. The annual training shall be conducted by a recognized training school approved by the Board. If a diver does not actively participate in the training or is out of certification in First Aid or CPR, they may not dive until they satisfy the requirements specified in Attachment D, Requalification of Divers.

Each diver shall perform at least one official dive within a period of 60 days to maintain his/her status as a qualified DWR Diver. See Section B for the definition of an official dive. If a diver fails to make a dive within 60 days, he/she

must successfully complete the appropriate requalification procedures indicated in Attachment D, Requalification of Divers, before further diving will be allowed.

F. Pregnancy and Diving

If a female diver is pregnant or suspects that she may be, she shall notify the Diving Safety Board and terminate all diving immediately.

G. Diving Operations

Diving operations by the Divisions will include underwater inspections, minor items of maintenance, and approved training. If the underwater maintenance or inspection work exceeds the intended scope of activities of local unit divers, as determined by the Diving Coordinator (after consultation with the Chairperson of the Diving Safety Board), commercial divers may be obtained under contract. The Divisions also have the option of using commercial diving services if such services would be more appropriate or economical for a particular task.

Divers from authorized local agencies may assist DWR divers. See Section B for the definition of authorized local divers and agencies. DWR divers may also assist authorized local divers, provided the dive operations are similar in nature to those normally performed by DWR divers.

A DWR Diver may assist authorized local agencies in emergency rescue, victim searches, or potentially hazardous obstruction removal activities only upon approval by the Division Chief.

All diving activities requiring a clearance must follow the established OP-2 procedure for securing and terminating clearances, including the OK to Work, Diving. The diving conditions must be considered safe and must be approved by the diving supervisor and the POC Operations Supervisor. Neither the ACC nor POC may revise flow or operational conditions affecting the dive site without first consulting with the dive supervisor. If dive site conditions change, the Diving Supervisor must reevaluate the situation before continuing the dive.

The Diving Coordinator may consult at any time with the Chairperson or other diver member(s) of the Board if the Chairperson is not readily available, concerning technical aspects of dives and procedures.

A Notice of Dive form shall be submitted by the Dive Coordinator to the Chairperson (or his/her designee in his/her absence) for all dives. The Notice of Dives shall be submitted (by FAX machine, inter-office mail or e-mail) sufficiently before the dive to permit adequate review. Requests for dives on Project facilities should also be submitted to the appropriate ACC in time for the Operations Supervisor to prepare an outage request to the Outage Manager in Sacramento. Requests should be submitted 48 hours in advance if the dive will

restrict project operations, or 24 hours in advance for other dives. The Chairperson will maintain a file of the signed copies of completed Notices of Dive forms.

A non-routine dive must be approved by the Chairperson (or his/her designee in his/her absence) before beginning the dive.

A routine dive does not require prior approval. However, the dive may be rescinded by the Chairperson if the information provided is inadequate, the proposed dive exceeds routine dive criteria (as described in Section B), or if additional planning is needed.

Emergency requests for approval of underwater diving activities may be expedited by telephone to the Chairperson or, in his/her absence, to the Board Member designated to act for him/her. However, emergency requests and requests for approval of non-routine dives must be authorized in advance and confirmed in writing, prior to the dive.

If a proposed dive is beyond the capabilities of a local unit, the Diving Coordinator may ask for assistance from other local units, Headquarters, authorized local agencies, or he may use commercial divers.

The dive tender shall record all dive times and related information. Each diver participating in the diving operation will be responsible for verifying his/her diving time. Diving time includes time spent suiting-up, suiting-out, and time in the water.

The diving Coordinator shall submit a monthly record of the unit's diving activities to the Chief, Civil Maintenance Branch, Division of Operations and Maintenance, before the tenth of the month. The Monthly SCUBA Record (form DWR 3570, see Attachment E) shall be used to report all local unit dive work.

H. Safety Regulations

The NOAA Diving Manual shall serve as general procedural guide for all diving. The safety regulations noted herein highlight certain cardinal rules that supplement, but do not replace the safe diving practices learned during training and which are fully detailed in Title 8, General Industry Safety Orders, Articles 152 and 153.

- a) The minimum diving crew and equipment includes the following:
 - 1) Two qualified divers working as a buddy team and one tender-timekeeper; or,

- 2) A line surface-tended diver, one tender-timekeeper, and one standby diver suited and ready to dive.
 - 3) A diver shall be stationed at the underwater point of entry when diving is conducted in enclosed or physically confining spaces, or an orientation line shall be used in enclosed spaces where there is a probability of entrapment or disorientation.
 - 4) If loss of effective communication occurs within a buddy team, divers shall surface and reestablish contact.
 - 5) Each diver or buddy team shall have an adequate depth gage, compass, and underwater time keeping device.
 - 6) Each diver shall have a submersible gage for monitoring his/her SCUBA tank pressure during the dive.
 - 7) The dive shall be terminated while there is still enough tank pressure to permit each diver to safely reach the surface. Decompression stops on ascent are recommended as an added safety precaution, especially on dives deeper than 40 feet. However, all dives shall be made observing the no-decompression limits.
 - 8) Each diver shall have the necessary equipment to achieve and maintain positive buoyancy.
 - 9) The new No-Decompression diving tables developed by studies at the University of Michigan by Karl E. Huggins under the Michigan Sea Grant Program will be used for all dives except as noted below for diving and dive computers. Alternatively, PADI dive tables may be substituted for dive use.
 - 10) Communications shall be available continuously at the dive site during all dives. The National Diving Accident Network (DAN) emergency number will be readily available, preferably carried in the first aid kit. At least one diver from each local unit shall be a member of DAN.
- (b) No dives will be attempted without a full complement of necessary equipment, including an approved demand resuscitator, in good operating condition. Attachment F is a listing of the minimum equipment required for SCUBA dives.
- (c) Diving regulators shall be inspected by a competent mechanic at least once a year.

- (d) Dive computers may be used, provided all aspects of the diving operation comply with the guidelines established by this Instruction. Additionally, the following conditions apply:
- 1) Only those makes and models of dive computers specifically approved by the Board may be used. Each diver's computer shall have means of monitoring depth, time, surface interval, repetitive dive group, and residual nitrogen. Dive computers are not to be shared.
 - 2) All non-emergency ascents should not exceed the rate specified by the computer manufacturer.
 - 3) A diver should not dive for 18 hours before activating a computer to control his/her diving. Dive computers are not to be turned off until out-gassing is completed or 18 hours have elapsed, whichever comes first.
 - 4) If the dive computer fails during a no-decompression dive, the diver shall immediately ascend slowly but directly to the surface, being sure not to exceed the manufacturer's recommended maximum rate of ascent.
 - 5) If the computer fails during a surface interval, there are two alternatives: 1) A single repetitive dive may be made using the adjusted no-decompression limit from the computer if it was recorded following the previous dive and prior to failure, or 2) Repetitive dives may be made to depths less than 20 feet. All other dives must be delayed until complete outgassing has occurred. This may require up to 48 hours for some dive computers.
 - 6) The dive computer limits should never be exceeded or reached. Dive conservatively, especially when approaching the limits specified by the computer.
 - 7) The dive computer shall be properly maintained and periodically inspected as recommended by the manufacturer.
- (e) The external and internal conditions of compressed air cylinders shall be inspected annually. Cylinders shall be hydrostatically tested at least every fifth year, in compliance with Department of Transportation regulations.

- (f) A copy of the U.S. Navy Diving Manual or the NOAA Diving Manual and the DWR Diving Manual shall be available for reference at the site of the diving operation.
- (g) Each diver must perform at least one official dive (work or training) within 60 days to maintain his/her diving skills and to remain in a qualified diving status.
- (h) Each diver must be reexamined every other year for physical fitness. At the attending physician's discretion, resting or stress EKG, Pulmonary Function Test, and/or chest X-rays may be a required part of each medical examination. Examination results shall be sent to the Chief, Civil Maintenance Branch. All medical examinations for diving will be at State expense.
- (i) It is each diver's responsibility and prerogative to refuse to dive if, in his/her judgment, conditions are unsafe, he/she feels the impending dive would overextend his/her abilities, or the dive would violate the dictates of his/her training.
- (j) Diving is prohibited wherever there is a possibility the divers may inadvertently enter an area of excessive water velocity.
- (k) Surface-supplied diving (i.e. Hooka) may be performed if the dive team as obtained Board approved training on its use. Additionally the following are minimum requirements for surface-supplied diving operations:
 - (1) A weight belt appropriate for the suit and depth of the dive shall be worn, except when conditions dictate otherwise for diver safety.
 - (2) A separate safety harness with a positive buckling system shall be worn. The harness shall distribute the load of the divers body and shall prevent any strain from being placed on the divers mask or helmet when the umbilical attachment to the lift ring on the harness is pulled.
 - (3) Each diver shall be continuously tended at the surface by a separate dive team member or tender.
 - (4) Each diving operation shall have a primary breathing gas supply sufficient for the duration of the planned dive, including reserves for safe ascent and possible decompression.
 - (5) A diver-carried reserve breathing gas supply (bailout) shall be utilized.

- (6) The diver shall be able to communicate with the surface tender at all times. The diving supervisor shall determine the appropriate mode of communication between the diver and the surface tender depending on diving conditions.
- (l) Surface-supplied air diving operations by Qualified DWR Divers are subject to approval by the Board.

I. Dive Reports

A Dive Report form (DWR 3429) shall be completed for all except routine dives by the Diving Supervisor immediately after the dive, if possible, but in no case later than the following work day after the diving operation. The report will then be submitted to the Diving Coordinator. He will review it, make a copy for unit records, and forward the original to the unit that requested the dive. A copy of the Dive Report is included as Attachment G.

For diving operations by commercial divers, a memorandum report giving purpose, result, diving time, and costs will be furnished to the diving coordinator. This report should be submitted by the commercial divers within five (5) working days of completion of the work. The Dive Report form may be used for this purpose. The diving coordinator will review the report, make a copy for unit records, and forward the original to the unit that requested the dive.

J. Equipment

All requisitions for new or replacement equipment in local units will be handled through established channels within each Division. If the equipment is of such a nature that it could affect the Department's established diving practices and procedures, the requisition shall be routed to the Chief, Civil Maintenance Branch, Division of Operations and Maintenance, for review and recommendation by the Diving Safety Board.



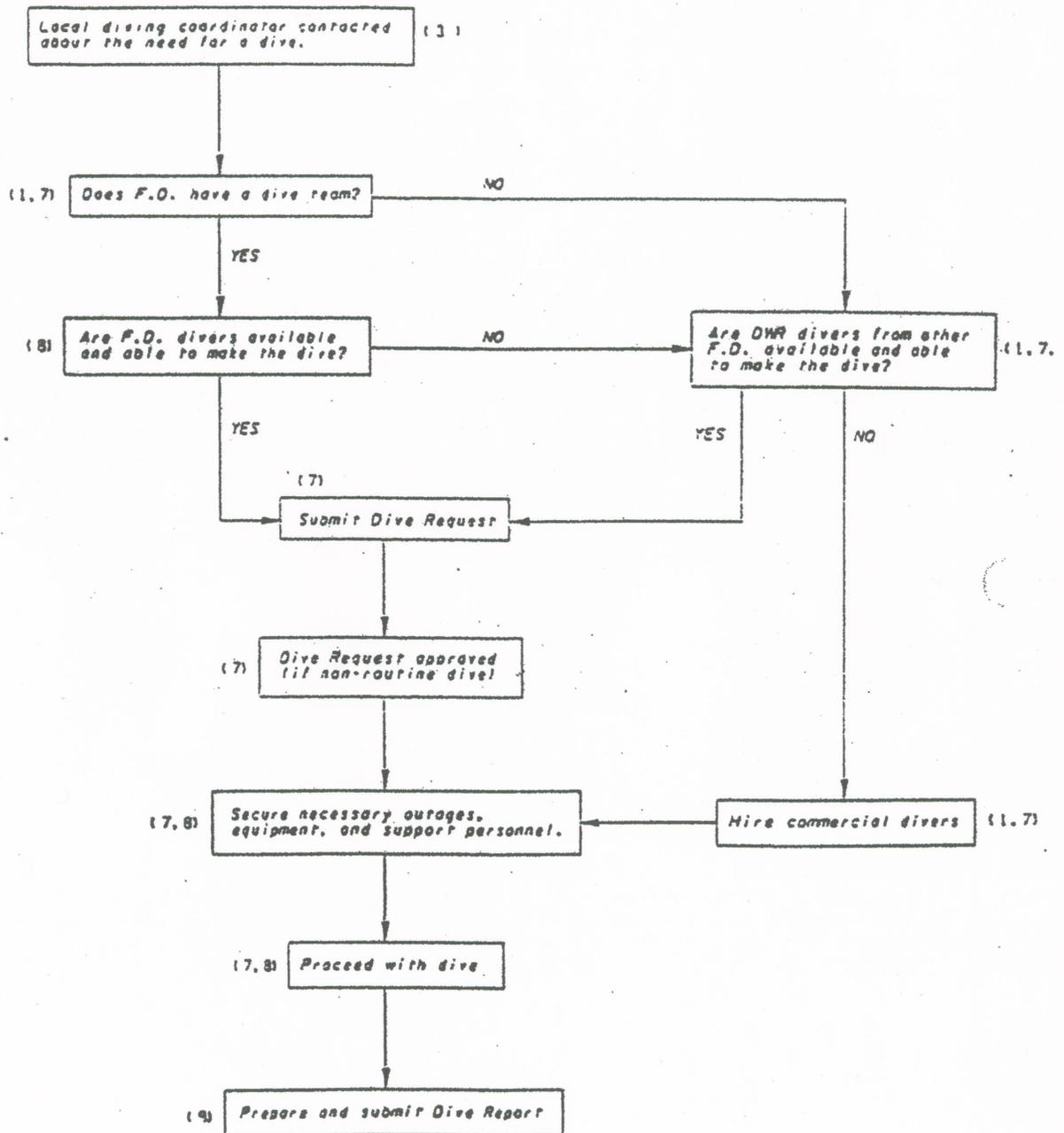
Don T. Kurosaka, Acting Chief
Division of Operations and Maintenance

Attachments A through H

(Water and Plant Engineering Office - Tom Glover)

ATTACHMENT A

Diving Operations Overview



() Denotes applicable section(s) of this manual.

ATTACHMENT B

State of California

Department of Water Resources
Division of Operations and Maintenance

The Resources Agency

Medical Examination for SCUBA Diver

To be completed by a Licensed Physician

Physician: Please read item 17 before completing this form

<p>To the Physician: The attached Health History should be completed by the person whose name appears below. You are required to complete this entire report. The agency shown to the right will pay the fee for this examination.</p> <p>Name: _____ First Middle Last</p> <p>Address: _____</p> <p>Class _____ Title: _____</p>	<p>When completed return to:</p> <p style="text-align: center;">Department of Water Resources Personnel Office 1416 Ninth Street, Room 304-2 Sacramento, California 95814</p>
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<p>1. Height: _____ Weight: _____</p>	<p>2. Vision</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; border-bottom: 1px solid black;">Uncorrected</td> <td style="width:33%; border-bottom: 1px solid black;">Corrected</td> <td style="width:33%;"></td> </tr> <tr> <td>Right 20/_____</td> <td>Right 20/_____</td> <td>Glasses _____</td> </tr> <tr> <td>Left 20/_____</td> <td>Left 20/_____</td> <td>Contact Lenses _____</td> </tr> <tr> <td>Both 20/_____</td> <td>Both 20/_____</td> <td></td> </tr> </table>	Uncorrected	Corrected		Right 20/_____	Right 20/_____	Glasses _____	Left 20/_____	Left 20/_____	Contact Lenses _____	Both 20/_____	Both 20/_____		<p>3. Hearing (Ordinary Conversation at 20 feet considered normal)</p> <p>Right: _____/20 Left: _____/20 Hearing Aid Used <input type="checkbox"/> NO <input type="checkbox"/> YES</p>
Uncorrected	Corrected													
Right 20/_____	Right 20/_____	Glasses _____												
Left 20/_____	Left 20/_____	Contact Lenses _____												
Both 20/_____	Both 20/_____													
4. Head (Eyes, ears, nose, mouth, throat)	5. (A) Pulse Rate (B) Blood Pressure													
6. Lungs (result of X-ray)	7. Heart (and circulatory system)													
8. Nervous System														
9. Abdomen G-I Tract Hernia	10. Rectal Fissure? Fistula? Hemorrhoid?													
11. Genito-Urinary	12. Urinalysis SP. Gravity Albumin Sugar													
13. Spine	14. Extremities													
15. Skin	16. Varicose Veins (severity)													

17. Recommendation and Comments: Scuba diving activities require considerable physical exertion, endurance, and ability. The better condition is of the thin, wiry, strong type. He will do considerable swimming in scuba gear (including full protective suit), walking, carrying loads of at least 60 pounds. He must be capable of working for some length of time in restricted spaces in water, often times at depths ranging up to 125 feet. He must be free of cardiovascular and respiratory disease and must have good exercise tolerance. The oxygenation tube and the essential auxiliary must meet sufficiently patent to allow ready equalization of pressure. Chronic sinus disease or impairment of the nervous system which could produce unconsciousness such as syncope, convulsive seizures, diabetes and insulin therapy, shall be disqualifying. A routine chest X-ray, Pulmonary Function Test, and EKG are required. The EKG may be resting or stress, at the physician's discretion. This can be done by the local public health authorities, if available. Please evaluate the health and physical condition of the applicant in terms of his ability to perform this work with reasonable safety to himself as well as to others.

Candidate is Physically
 Fit (no reservations) Fit for limited work (please comment on any limitations of type or amount of activity suggested or recommended)
 Unfit (please attach comment)

<p>18. Signature of Physician</p> <p style="text-align: center;">▶</p> <p>Date: _____</p>	<p>19. Name and Address of Physician (please print)</p>
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ATTACHMENT C

State of California

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

The Resources Agency

NOTICE OF DIVE

- REQUEST FOR APPROVAL OF DIVE
- ROUTINE DIVE

TELECOPY to:	
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

FIELD DIVISION			
LOCATION OF DIVE			
DATE OF DIVE		TIME OF DIVE	
MAXIMUM DEPTH OF DIVE ft.		EXPECTED MINIMUM VISIBILITY ft.	
ESTIMATED UNDERWATER TIME REQUIRED hrs.		ELEVATION ft.	
WORK ORDER NUMBER (if other assistance requested)			
DESCRIPTION OF WORK TO BE ACCOMPLISHED			
FIELD DIVISION DIVE TEAM			DIVE SUPERVISOR
DIVER	LAST DIVE	LAST MEDICAL	DIVE SUPPORT PERSONNEL
1			1 TENDER
2			2
3			3
4			4
NOTICE OF DIVE SUBMITTED BY (Diving Coordinator)			DATE
SPECIAL CONDITIONS			
APPROVED:		CHAIRPERSON NOTES	
 Chairperson, Diving Safety Board Date _____			

ATTACHMENT D

REQUALIFICATION OF DIVERS

If a diver has not made an official dive within 60 days, he/she must requalify as provided herein according to the elapsed time since their Last dive.

60-90 Days

1. If the last medical examination has been nine (9) months or longer, a new medical examination is required before any diving may be done.
2. Make a check-out dive under the supervision of a diver designated by the Board Chairperson.

91-190 Days

1. If the last medical examination has been nine (9) months or longer, a new medical examination is required before any diving may be done.
2. A written examination, approved by the Board, shall be required. The examination will be supervised by a diver designated by the Chairperson and will cover the following:
 - Physiological aspects of diving
 - Air consumption calculation
 - Dive tables

The diver must successfully¹ complete each portion of the examination before any diving may be done.

3. Two check-out dives, under the supervision of a qualified member of the Board, shall be required. Two dives may be accomplished on one day provided the no-decompression limits are not violated and the dives are separated by a surface interval exceeding ten minutes.

¹ Score requirements for successful completion of each of the respective subjects shall be shown on the examination at the time of testing.

ATTACHMENT D

6 months to 1 year Lapse

1. A new medical examination shall be required before any diving may be done.
2. A written examination, approved by the Board, shall be required. The examination will be supervised by a diver designated by the Chairperson and will cover the following:
 - Physiological aspects of diving
 - Air consumption calculation
 - Dive tablesThe diver must successfully complete each portion of the examination before any diving may be done.
3. Four check-out dives under the supervision of a qualified member of the Board, shall be required. Dives may be made over a two-day period provided that no-decompression limits are not violated and the dives are separated by a surface interval exceeding ten minutes. At least one of the dives shall include simulated decompression on ascent.

More Than 1 Year Lapse

Under a time lapse of this extent, all requirements for proposed new diver candidates will apply to divers seeking requalification.

Uncompleted Annual Training

If a diver does not successfully complete the annual refresher training, he/she must fulfill the requirements listed for 91-180 Days. Additionally, the diver must:

1. Receive training in the use of a demand resuscitator if it has been more than one year since the last such instruction. The training shall be conducted by individuals approved by the Board.
2. Maintain current certification in CPR and First-Aid.
3. Receive a briefing on recent developments and advances in diving from a diver, designated by the Board, who attended the recent refresher training course.
4. Perform several specified diving exercises including, but not limited to, free ascents, buddy breathing ascents, and compass runs. The exercise program will be determined by the Board and supervised by the Diving Supervisor or a diver designated by the Chairperson.

ATTACHMENT F

LIST OF THE MINIMUM EQUIPMENT REQUIRED FOR SCUBA DIVING

- 1.* A complete wet or dry suit, including hood, gloves, and booties
- 2.* Mask and snorkel
- 3.* Fins
- 4.* Buoyancy compensator with power inflator
- 5.* Backpack
- 6.* Weight belt
- 7.* Watch
- 8.* Compass
- 9.* Depth gage
- 10.* Tank pressure gage
- 11.* Diving light
- 12.* Dive knife
- 13.* A complete regulator, with enough ports to support all necessary equipment
14. Buddy line
15. Extra SCUBA tanks (one per diver)
16. Line
17. Demand resuscitator with one spare bottle of oxygen
18. Communication system (phone or radio)
19. Diver flag (in areas of nearby boat traffic)
20. First Aid kit
21. NOAA Manual or Navy Diving Manual
22. DWR Diving Manual (this instruction).
23. No-decompression tables by Huggins (or equivalent PADI dive tables)

*Asterisk indicates individual items required by each diver.

ATTACHMENT G

State of California

DEPARTMENT OF WATER RESOURCES

The Resource Agency

TECHNICAL UNDERWATER INSPECTION TEAM		
DIVE REPORT		
DIVE LOCATION		DATE AND TIME OF DIVE
PURPOSE OF DIVE		
DEPTH OF DIVE	WATER TEMPERATURE	WATER VISIBILITY
DIVERS' NAMES	DIVE TIME	
		TOTAL MAN HOURS DIVING
DESCRIPTION OF DIVE		
DATE	DIVE SUPERVISOR'S SIGNATURE	

ATTACHMENT H

DEPARTMENT OF WATER RESOURCES

State of California

The Resources Agency

SCUBA DIVER PREQUALIFICATION TEST

Location of Test _____ Date of Test _____

Name _____ Class _____

Age _____ Physical Condition _____

QUALIFICATIONS	PASSED	REJECTED	TIME
1. Swim under water without fins for 75 feet without surfacing			
2. Swim under water without fins for 150 feet; surfacing no more than three times			
3. Swim 1,000 feet (no freestyle) in less than ten minutes without fins			
4. Demonstrate swimming with snorkle and fins, with and without a facemask			
5. Surface dive 12 feet with fins			
6. Remove and replace facemask at 12 feet			
7. Without fins, simulate a rescue of a struggling swimmer			
8. C.P.R. Certification preferable (C.P.R. instruction included in SCUBA training if trainee is not qualified)			

YES NO

QUALIFIED UNQUALIFIED

▶ _____
Diving Supervisor