



California Regional Water Quality Control Board Central Valley Region

Katherine Hart, Chair



Linda S. Adams
Acting Secretary for
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Edmund G. Brown Jr.
Governor

6 May 2011

Jacob McQuirk, P.E.
Department of Water Resources
1416 Ninth Street, Room 215-23
Sacramento, CA 95814-0001

CLEAN WATER ACT §401 TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION FOR DISCHARGE OF DREDGED AND/OR FILL MATERIALS FOR THE SOUTH DELTA TEMPORARY BARRIERS PROJECT (2011-2016) (WDID#5B39CR00191), SAN JOAQUIN COUNTY

This Order responds to your 18 November 2010 application submittal for the Water Quality Certification of seasonal installation of up to three water flow control structures and one fish control structure located in the southern Delta. This project will directly impact approximately 1.43 acres of waters of the United States.

WATER QUALITY CERTIFICATION STANDARD CONDITIONS:

1. This Order serves as a Water Quality Certification (Certification) action that is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to §13330 of the California Water Code and §3867 of Title 23 of the California Code of Regulations (23 CCR).
2. This Certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to 23 CCR subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any non-denial Certification action shall be conditioned upon total payment of the full fee required under 23 CCR §3833, unless otherwise stated in writing by the certifying agency.
4. This Certification is valid for the duration of the described project. This Certification is no longer valid if the project (as currently described) is modified, or coverage under Section 404 of the Clean Water Act has expired.
5. All reports, notices, or other documents required by this Certification or requested by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) shall be signed by a person described below or by a duly authorized representative of that person.

California Environmental Protection Agency

- (a) For a corporation: by a responsible corporate officer such as (1) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function; (2) any other person who performs similar policy or decision-making functions for the corporation; or (3) the manager of one or more manufacturing, production, or operating facilities if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - (b) For a partnership or sole proprietorship: by a general partner or the proprietor.
 - (c) For a municipality, State, federal, or other public agency: by either a principal executive officer or ranking elected official.
6. Any person signing a document under Standard Condition number 5 shall make the following certification, whether written or implied:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

TECHNICAL CERTIFICATION CONDITIONS:

In addition to the above standard conditions, Department of Water Resources shall satisfy the following:

1. The Department of Water Resources shall notify the Central Valley Water Board in writing 7 days in advance of the start of any in-water activities. The notification should include the name of the project and the WDID number, and should be sent to the Central Valley Water Board contact person shown on page 8 of this Certification.
2. Except for activities permitted by the United States Army Corps of Engineers under §404 of the Clean Water Act, soil, silt, or other organic materials shall not be placed where such materials could pass into surface water or surface water drainage courses.
3. All areas disturbed by project activities shall be protected from washout or erosion.
4. The Department of Water Resources shall maintain a copy of this Certification and supporting documentation (Project Information Sheet) at the Project site during construction for review by site personnel and agencies. All personnel (employees, contractors, and subcontractors) performing work on the proposed project shall be adequately informed and trained regarding the conditions of this Certification.
5. An effective combination of erosion and sediment control Best Management Practices (BMPs) must be implemented and adequately working during all phases of construction.
6. All temporarily affected areas will be restored to pre-construction contours and conditions upon completion of construction activities.

7. The Department of Water Resources shall perform surface water sampling: 1) When performing any in-water work; 2) In the event that project activities result in any materials reaching surface waters or; 3) When any activities result in the creation of a visible plume in surface waters. The following monitoring shall be conducted approximately 300 feet upstream out of the influence of the project and approximately 300 feet downstream of the active work area. Sampling results shall be submitted to this office within two weeks of initiation of sampling and every two weeks thereafter. The sampling frequency may be modified for certain projects with written permission from the Central Valley Water Board.

Parameter	Unit	Type of Sample	Frequency of Sample
Turbidity	NTU	Grab	Every 4 hours during in water work
Settleable Material	ml/l	Grab	Same as above
Visible construction related pollutants	Observations	Visual Inspections	Continuous throughout the construction period

8. Activities shall not cause turbidity increases in surface water to exceed:
- (a) where natural turbidity is less than 1 Nephelometric Turbidity Units (NTUs), controllable factors shall not cause downstream turbidity to exceed 2 NTU;
 - (b) where natural turbidity is between 1 and 5 NTUs, increases shall not exceed 1 NTU;
 - (c) where natural turbidity is between 5 and 50 NTUs, increases shall not exceed 20 percent;
 - (d) where natural turbidity is between 50 and 100 NTUs, increases shall not exceed 10 NTUs;
 - (e) where natural turbidity is greater than 100 NTUs, increases shall not exceed 10 percent.
- Except that these limits will be eased during in-water working periods to allow a turbidity increase of 15 NTU over background turbidity as measured in surface waters 300 feet downstream from the working area. In determining compliance with the above limits, appropriate averaging periods may be applied provided that beneficial uses will be fully protected. Averaging periods may only be assessed by prior permission of the Central Valley Water Board.
9. Activities shall not cause settleable matter to exceed 0.1 ml/l in surface waters as measured in surface waters 300 feet downstream from the project.
10. The discharge of petroleum products or other excavated materials to surface water is prohibited. Activities shall not cause visible oil, grease, or foam in the work area or downstream. The Department of Water Resources shall notify the Central Valley Water Board immediately of any spill of petroleum products or other organic or earthen materials.
11. The Department of Water Resources shall notify the Central Valley Water Board immediately if the above criteria for turbidity, settleable matter, oil/grease, or foam are exceeded.

12. The Department of Water Resources shall comply with all California Department of Fish and Game requirements for the project.
13. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the Project Area.
14. The Department of Water Resources must obtain coverage under the NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board for any project disturbing a land area of 1 acre or greater.
15. The Conditions in this Certification are based on the information in the attached "Project Information." If the information in the attached Project Information Sheet is modified or the project changes, this Certification is no longer valid until amended by the Central Valley Water Board.
16. The mitigation measures specified in the approved Mitigated Negative Declaration for the project, as they pertain to biology, hydrology and water quality impacts, are included in this Certification, as required by California Public Resource Code Section 21081.6 and CEQA Guidelines, California Code of Regulations Section 15097.
17. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under State and Federal law. The applicability of any State law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to ensure compliance with this Certification.
 - (a) If the Department of Water Resources or a duly authorized representative of the project fails or refuses to furnish technical or monitoring reports, as required under this Certification, or falsifies any information provided in the monitoring reports, the applicant is subject to civil, for each day of violation, or criminal liability.
 - (b) In response to a suspected violation of any condition of this Certification, the Central Valley Water Board may require the Department of Water Resources to furnish, under penalty of perjury, any technical or monitoring reports the Central Valley Water Board deems appropriate, provided that the burden, including cost of the reports, shall be in reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
 - (c) The Department of Water Resources shall allow the staff(s) of the Central Valley Water Board, or an authorized representative(s), upon the presentation of credentials and other documents, as may be required by law, to enter the project premises for inspection, including taking photographs and securing copies of project-related records, for the purpose of assuring compliance with this Certification and determining the ecological success of the project.
18. The Department of Water Resources shall provide a Notice of Completion (NOC) no later than 30 days after the project completion. The NOC shall demonstrate that the project has been carried out in accordance with the project's description (and any amendments approved). The NOC shall include a map of the project location(s), including final boundaries of any in situ restoration area(s), if appropriate, and representative pre and post construction photographs. Each photograph shall include a descriptive title, date taken, photographic site, and photographic orientation.

19. As required by the *Water Quality Control Plan for the Sacramento River and San Joaquin River*, Fourth Edition, revised September 2009 (Basin Plan), the South Delta Temporary Barriers Project (2011-2016) must not contribute to dissolved oxygen levels falling below: 7.0 mg/l in the Sacramento River (below the I Street Bridge) and in all Delta Waters west of the Antioch Bridge; 6.0 mg/l in the San Joaquin River (between Turner Cut and Stockton, 1 September through 30 November); and 5.0 mg/l in all other Delta waters.

20. The Department of Water Resources must monitor this project's effects on dissolved oxygen. If this project is found to be a contributing factor to dissolved oxygen levels measured below Basin Plan objectives, then Department of Water Resources must immediately (within 5 working days) notify the Central Valley Water Board and propose a strategy(s) for corrective measures. Proposed corrective measures must be approved in writing by the Central Valley Water Board prior to implementation. If corrective measures are not implemented or do not sufficiently reduce this projects impacts on low dissolved oxygen levels, then this project will be out of compliance with this Certification.

CERTIFICATION FINDINGS AND ADDITIONAL CONDITIONS DUE TO POTENTIAL IMPACTS TO IMPAIRED WATER BODIES:

1. Findings:

Section 303(d)(1)(A) of the CWA requires that "Each state shall identify those waters within its boundaries for which the effluent limitations...are not stringent enough to implement any water quality standard (WQS) applicable to such waters." The CWA also requires states to establish a priority ranking of impaired waterbodies known as Water Quality Limited Segments and to establish Total Maximum Daily Loads (TMDLs) for such waters. This priority list of impaired waterbodies is called the Section 303(d) List.

CWA Section 303(d) and 40 CFR 130.7 require states to list water quality-impaired water bodies and pollutants of concern, and develop Total Maximum Daily Loads (TMDLs). A TMDL is a quantitative assessment of the total pollutant load that can be discharged from all sources each day while still meeting water quality objectives. The Central Valley Water Board is currently in the process of developing TMDLs for listed water bodies within the Region. Prior to TMDLs being adopted and approved, dischargers must implement actions and/or assessments to address their contribution to the water quality impairments.

The CWA Section 303(d) Listed Waterbodies in the project area include the following (see below). These impairments are based on identified exceedances of water quality standards.

Waterbody	Reach	Estimated Size affected	Pollutant/Stressor(s)
Middle River	San Joaquin River (downstream of Mossdale) to Victoria Canal	9.7 miles	Low Dissolved Oxygen
Old River	San Joaquin River to Delta Mendota Canal	15 miles	Low Dissolved Oxygen

Additional information is necessary to determine this project's impact on the dissolved oxygen impairments in Middle River and Old River. To address the dissolved oxygen impairment identified in Middle River and Old River, the Department of Water Resources is required to monitor and assess the project's impacts on all associated receiving waters.

2. Continuous Monitoring Requirements:

- a. During periods of barrier operation, the Department of Water Resources shall provide continuous (every 15 minutes) monitoring for constituents of concern which include dissolved oxygen and other general parameters as listed below in Table 1.

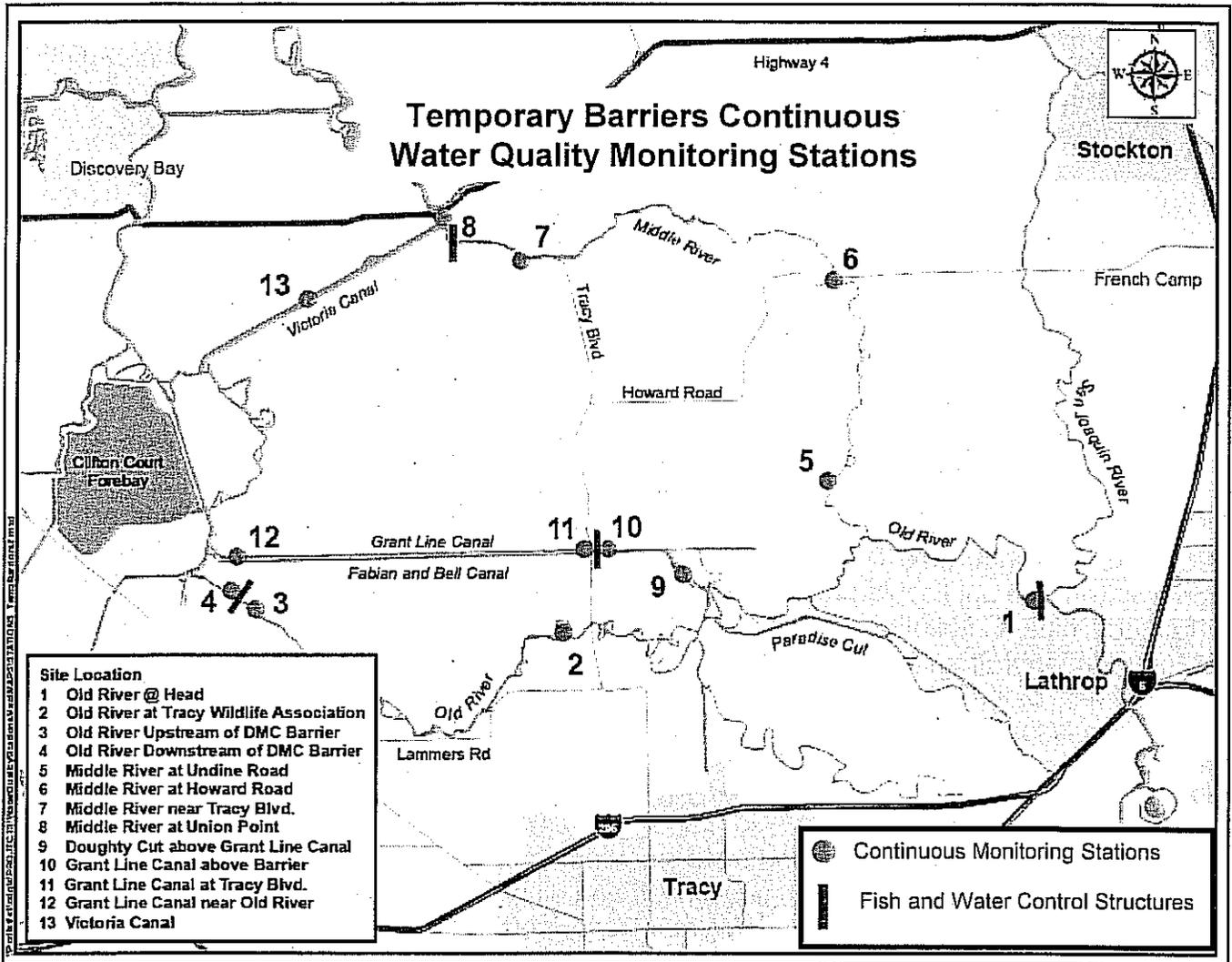
The Department of Water Resources may request that alternative monitoring be substituted in lieu of the requirements of this Certification. All requests must be submitted in writing to the Central Valley Water Board, and all alternative monitoring proposals must be approved in writing by the Central Valley Water Board.

**TABLE 1
 LIST OF CONSTITUENTS TO BE MONITORED**

CONSTITUENTS	Reporting Units	Resolution
CONVENTIONAL POLLUTANTS		
pH ¹	0 - 14	0.01 units
Dissolved Oxygen ¹	mg/L	0.01 mg/L
Temperature ¹	degrees C	0.01 degrees C
Specific Conductance (EC) @ 25°C ¹	micromhos/cm	0.1 micromhos/cm
FIELD MEASUREMENTS		
Date	mm/dd/yyyy	day
Sample Time	hr:min (regular time)	minutes
ADDITIONAL PARAMETERS		
Chlorophyll, total ¹	µg/L	0.01 µg/L

¹ Constituents must be analyzed using the analytical methods described in 40 CFR Part 136.

- b. Site locations for Continuous Monitoring Program shall include the following locations (a map which identifies the following locations is located on page 7 of this Certification):
 - i. Old River at Head
 - ii. Old River at Tracy Wildlife Association
 - iii. Old River Upstream of DMC Barrier
 - iv. Old River Downstream of DMC Barrier
 - v. Middle River at Undine Road
 - vi. Middle River at Howard Road
 - vii. Middle River near Tracy Road
 - viii. Middle River at Union Point
 - ix. Doughty Cut above Grant Line Canal
 - x. Grant Line Canal above Barrier
 - xi. Grant Line Canal at Tracy Road
 - xii. Grant Line Canal near Old River
 - xiii. Victoria Canal



3. Reporting Requirements:

The Department of Water Resources shall summarize the Continuous Monitoring Program data and submit an annual report by 1 July of each year for the previous year's monitoring activities. In reporting the monitoring data, the Department of Water Resources shall arrange the data in graphical and tabular form showing the date, the constituents, and the concentrations. The data shall be summarized in such a manner to illustrate that the required monitoring complies with the conditions of this Certification.

Annual reporting must include a statistical comparison of dissolved oxygen levels measured upstream and downstream of each of the three water control structures (Middle River barrier, Grant Line Canal barrier, and Old River at Tracy barrier). For each barrier, the closest monitoring station upstream and the closest monitoring station downstream must be used for statistical comparison of dissolved oxygen levels on each side of the barrier. This statistical analysis must compare data on a monthly basis, and must be reported in the annual report. The results of the statistical analysis must be summarized in a table(s) in such a manner to illustrate the average dissolved oxygen concentration upstream and downstream at each barrier location for each month, and must illustrate the statistical significance of the comparison between each upstream and downstream

location.

Electronic copies of previous annual monitoring reports are available at the Department of Water Resources' web site at:

http://baydeltaoffice.water.ca.gov/sdb/tbp/web_pg/tempbar/monitoringreports.cfm

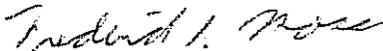
CENTRAL VALLEY WATER BOARD CONTACT:

Daniel Worth, Environmental Scientist
11020 Sun Center Drive #200
Rancho Cordova, California 95670-6114
dworth@waterboards.ca.gov
(916) 464-4709

WATER QUALITY CERTIFICATION:

I hereby issue an Order certifying that any discharge from the Department of Water Resources, South Delta Temporary Barriers Project (2011-2016) (WDID#5B39CR00191) will comply with the applicable provisions of §301 ("Effluent Limitations"), §302 ("Water Quality Related Effluent Limitations"), §303 ("Water Quality Standards and Implementation Plans"), §306 ("National Standards of Performance"), and §307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. This discharge is also regulated under State Water Resources Control Board Water Quality Order No. 2003-0017 DWQ "Statewide General Waste Discharge Requirements For Dredged Or Fill Discharges That Have Received State Water Quality Certification (General WDRs)".

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on (a) the discharge being limited and all proposed mitigation being completed in strict compliance with Department of Water Resources' project description and the attached Project Information Sheet, and (b) compliance with all applicable requirements of the *Water Quality Control Plan for the Sacramento River and San Joaquin River*, Fourth Edition, revised September 2009.



 Pamela C. Creedon
Executive Officer

Enclosure: Project Information

cc: See enclosure, page 13

PROJECT INFORMATION

Application Date: 18 November 2010

Applicant: Jacob McQuirk, P.E.
Department of Water Resources
1416 Ninth Street, Room 215-23
Sacramento, CA 95814-0001

Applicant Representatives: ICF International
Jennifer Pierre
630 K Street, Suite 400
Sacramento, CA 95814

Project Name: South Delta Temporary Barriers Project (2011-2016)

Application Number: WDID#5B39CR00191

Type of Project: Seasonal installation of up to three water flow control structures and one fish control structure located in the south Delta

Approximate Timeframe of Project Implementation: 2011 to 2016. The water flow control structures are typically installed during March or April of each year, and are typically removed during October or November of each year each year. Installation of the fish control structure typically occurs twice a year. It is installed for the first time in April and removed in June, and it is installed again in September and removed in November or December. On the occasions when the optional non-physical barrier is installed, installation would occur prior to April and removal would occur around June.

Project Locations:	Section	Township	Range	Latitude	Longitude
Middle River Barrier	36	1N	4E	37.8857N	121.4822W
Old River near Tracy	28	1S	4E	37.8103N	121.5428W
Grant Line Canal	29	1S	5E	37.8199N	121.4483W
Head of Old River	32	1S	6E	37.8078N	121.3307W

County: San Joaquin

Receiving Water(s) (hydrologic unit): Middle River, Grant Line Canal, Old River. San Joaquin Hydrologic Basin, San Joaquin Delta Hydrologic Unit #544.00.

Water Body Type: Streambed

Designated Beneficial Uses: The *Water Quality Control Plan for the Sacramento River and San Joaquin River*, Fourth Edition, revised September 2009 (Basin Plan) has designated beneficial uses for surface and ground waters within the region. Beneficial uses that could be impacted by the project include, but are not limited to: Municipal and Domestic Water Supply (MUN); Agricultural Supply (AGR); Industrial Supply (IND), Hydropower Generation (POW); Groundwater Recharge, Water Contact Recreation (REC-1); Non-Contact Water Recreation (REC-2); Warm Freshwater Habitat (WARM); Cold Freshwater Habitat (COLD); and Wildlife Habitat (WILD). A comprehensive and specific list of the Beneficial Uses applicable for the

project area can be found at

http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/

303(d) List of Water Quality Limited Segments: The project is located within a water quality limited segment for Low Dissolved Oxygen. The Department of Water Resources will monitor the project's effects on dissolved oxygen. If the project is found to contribute to dissolved oxygen levels measured below Basin Plan objectives in Delta waters, then Department of Water Resources must immediately notify the Central Valley Water Board and propose a strategy(s) for corrective measures. Proposed corrective measures must be approved in writing by the Central Valley Water Board prior to implementation. The most recent list of approved water quality limited segments can be found at:

http://www.waterboards.ca.gov/water_issues/programs/tmdl/2010state_ir_reports/2010_combo303d.xls

Project Description (purpose/goal): The South Delta Temporary Barriers Project (2011-2016) consists of continued seasonal installation of up to three water flow control structures and one fish control structure in the Delta. These structures have been installed annually since 1991. The water flow control structures are typically installed during March or April of each year, and are typically removed during October or November of each year. Installation of the fish control structure typically occurs twice a year. It is installed for the first time in April and removed in June, and it is installed again in September and removed in November or December. The installation of all barriers is expected to continue on an annual basis until 2016 or until permanent control structures are authorized and constructed. The project's purpose is to provide adequate agricultural water supply in terms of quality and quantity to meet the responsible and beneficial needs of water users in the Delta. Additionally, this project may help keep fish that are migrating within the San Joaquin River, from making a wrong turn at Old River and entering the interior of the Delta. Fish that enter the interior of the Delta are vulnerable to harm (injury or death) caused by State and Federal water export facilities, and are subject to maze like conditions which can delay or obstruct migrations.

Water Control Structures

1. The Middle River Barrier is constructed from approximately 2,300 cubic yards of rock, and is approximately 270 feet long and 50 feet wide at the base. To improve the effectiveness of the barrier during peak irrigation months, an additional 100 cubic yards of rock will be placed on the barrier to raise the weir by one foot and to stabilize the section. Six, 48 inch diameter culverts with tidally-operated flap-gates are embedded in the barrier. The Middle River Barrier weir will only be installed and operated annually when risks of impacts to Delta smelt have passed and barrier operations are allowed by the United States Fish and Wildlife Service.
2. The Old River at Tracy Barrier is constructed from approximately 5,000 cubic yards of rock, and is approximately 250 feet long and 60 feet wide at its base. Nine, 48 inch diameter culverts with flap-gates are located in the center section of this barrier. During summer months, some of these gates may be tied to the open position to improve water circulation in this particular area.
3. The Grant Line Canal Barrier is constructed from approximately 12,600 cubic yards of rock, and is approximately 300 feet long and 50 feet wide at the base. This barrier has six, 48 inch diameter culverts with flap-gates built into it.

Each of the physical barriers will be installed in a similar manner. The rock for the barriers will be transported to the barrier site by haul trucks and dumped. An excavator will place the rock in the river, creating the body of the barrier. As the barrier installation progresses across the river, the haul trucks will back onto the barrier to dump the rock near the excavator that is placing the rock into the river channel. The water flow control structures are typically installed during March or April of each year, and are typically removed during October or November of each year each year.

Fish Control Structure

The Head of Old River Barrier is installed twice a year; once in the spring and then again in the fall. The spring barrier is intended to prevent downstream migrating salmon smolts in the San Joaquin River from entering Old River. The spring barrier is constructed with approximately 12,500 cubic yards of rock to form a 225 foot long by 85 foot wide berm. The south end of the barrier has six, 48 inch diameter culverts with slide-gates built into the barrier abutment, and a 75 foot weir. The fall barrier is designed to benefit migrating adult salmon in the San Joaquin River by improving flow and dissolved oxygen conditions in the river. This barrier has six, 48 inch culverts with slide-gates and a 20 foot weir section.

As an alternative to a fish control barrier made of rock at Head of Old River, the Department of Water Resources may install a non-physical fish barrier. The decision of which barrier design is to be used, will be made by the Federal and/or State fish and wildlife agencies. This barrier will be a multi-stimulus fish barrier that combines strobe lights, an air bubble curtain, and sound at frequencies and levels that are repellent to fish. The non-physical barrier will be approximately 450 feet long. The barrier frame will include 68 sound projectors, 136 strobe lights, and perforated air lines/pipes. The barrier frame will be supported by up to four piles in the river channel. Additionally, concrete piers will be placed to support the frame above the river bed in several locations and to allow for vertical adjustments.

Preliminary Water Quality Concerns: Construction activities may impact surface waters with increased turbidity and settleable matter.

Proposed Mitigation to Address Concerns: The Department of Water Resources will implement Best Management Practices (BMPs) to control sedimentation and erosion. All temporarily affected areas will be restored to pre-construction contours and conditions upon completion of construction activities. Department of Water Resources will conduct turbidity and settleable matter testing during in-water work, stopping work if the Basin Plan criteria are exceeded or are observed.

Fill/Excavation Area: Approximately 32,500 cubic yards of rock will be temporarily placed into 1.43 acres of waters of the United States.

Dredge Volume: None

U.S. Army Corps of Engineers Permit Number: Extension to Individual Permit Number's 200000696 and 200100121.

Department of Fish and Game Streambed Alteration Agreement: Department of Water Resources applied for a Streambed Alteration Agreement on 18 November 2010.

Possible Listed Species: Delta smelt, Central Valley spring-run Chinook salmon, Central Valley fall-/late fall-run Chinook salmon, Central Valley steelhead, Sacramento River winter-run Chinook salmon, North American green sturgeon, longfin smelt, starry flounder, northern anchovy, Swainson's hawk.

Status of CEQA Compliance: The California Department of Water Resources approved the Mitigated Negative Declaration titled Temporary Barriers Project 2001-2007, and filed a Notice of Determination with the State Clearinghouse on 21 March 2001 (State Clearinghouse Number 2000112054). CEQA addendums were subsequently filed on 9 March 2009, 18 March 2010, and 17 March 2011 for minor alterations and time extensions to the project.

As a Responsible Agency under California Environmental Quality Act (CEQA), the Central Valley Water Board reviewed the Mitigated Negative Declaration and found that impacts to water quality were adequately addressed. With regard to the remaining impacts identified in the Mitigated Negative Declaration the corresponding mitigation measures proposed are within the responsibility and jurisdiction of another public agency, and not within the jurisdiction of the Central Valley Water Board.

Compensatory Mitigation: In accordance with requirements issued by the United States Fish and Wildlife Service (1-1-02-F-0246) and United States Army Corps of Engineers (200000659), the Department of Water Resources purchased 6.0 acres of shallow water habitat credits for the South Delta Temporary Barriers Project at the Kimball Island Mitigation Bank. The Central Valley Water Board considers these credits as appropriate compensatory mitigation for the temporary placement of barriers in waters of the United States.

Application Fee Provided: Total fees of \$4,575 have been submitted to the Central Valley Water Board as required by 23 CCR §3833b(3)(A) and by 23 CCR §2200(e).

DISTRIBUTION LIST

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(Electronic copy only) Dave Smith
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