

Groundwater Quality Protection Strategy June 2013-2015 Workplan

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Introduction

This document has been prepared to comply with direction in Resolution #R5-2010-0095 of the California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board). The following information provides the listing of future actions identified in the Groundwater Quality Protection Strategy for the Central Valley Region, a Roadmap (Roadmap) as well as task specific workplans for the high and medium priority actions.

The Central Valley Water Board recognizes the critical importance of groundwater quality. With its commitment to ongoing programs as well as coordination with other agencies and stakeholders with an interest in groundwater quality protection, the Central Valley Water Board adopted Resolution R5-2008-0181 in support of developing a Groundwater Quality Protection Strategy for the Central Valley Region through an active stakeholder process.

To develop the Groundwater Quality Protection Strategy for the Central Valley Region, a Roadmap, public workshops were held to solicit information from stakeholders on groundwater quality protection concerns. Workshops were attended by stakeholders representing a variety of interests including: food processors, water purveyors, irrigation districts, conservation districts, rural communities, agricultural interests, federal and state agencies, cities, counties, elected officials, environmental groups, non-profit organizations, and other interested parties.

At the Central Valley Water Board September 2010 meeting, Resolution 5-2010-0095 was adopted approving the August 2010 Groundwater Quality Protection Strategy for the Central Valley (Roadmap) recognizing that all high priority actions cannot be fully implemented with existing resources. The resolution directed staff to develop workplan(s) for the highest priorities, and continue to pursue new, and improve existing, partnering opportunities to leverage existing resources and avoid duplication of efforts. In June 2011 a workplan for the high priority actions was approved for tasks to be completed from June 2011 to June 2013.

Table 1 below lists the future actions identified in the Roadmap. Each of the actions identified was either underway or would be taken to improve or restore groundwater quality and were prioritized as high, medium, or low. The following sections contain workplan(s) for each of the actions identified and include time schedules, resource needs, and task descriptions. Also included are brief summaries of the actions that were completed under the previous workplan.

Although the actions identified in Table 1 are from the Groundwater Quality Protection Strategy some of the actions deal with both groundwater and surface water. In these cases the costs listed for resources are based on the work required to complete the task and may combine work for both groundwater and surface water. Resources listed in the task summary tables may include Person Years (PYs) which are based on 1,750 hours per year, Coordination Commitment which may include work conducted by other agencies or organizations, or contract dollars.

Table 1

Future Action #	Future Action	Priority		
		High	Medium	Low
6.4.1	CV-SALTS – Develop a Salt and Nutrient Management Plan	X		
6.4.2	Implement Consistent and Scientifically Sound Groundwater Monitoring Programs	X		
6.4.3	Implement Groundwater Quality Protection Programs through the Integrated Regional Water Management Plan Groups		X	
6.4.4	Broaden public participation through enhanced communication, education, and outreach	X		
6.4.5	Improve local implementation of Well Design and Destruction Programs		X	
6.4.6	Groundwater database	X		
6.5.1(a)	Alternative Dairy Waste Disposal – Dairy Manure Digester and Dairy Manure Co-Digester Facilities Completed June 2011	X		
6.5.1(b)	Develop Individual and General Orders for Poultry, Cattle Feedlot, other types of CAFO Facilities		X	
6.5.2(a)	Implementation of Long-Term ILRP	X		
6.5.2(b)	Coordinate with CDFA to identify methods to enhance fertilizer research and education program		X	
6.5.3	Reduce site cleanup backlog		X	
6.5.4(a)	Draft Waiver once new regulations adopted based on AB 885		X	
6.5.4(b)	Update Guidelines for Waste Disposal from Land Developments Completed June 2012	X		
6.5.4(c)	Develop methods to reduce backlog and increase facilities regulated	X		
6.5.4(d)	Actively coordinate with State Water Board on development of statewide ASR policy guidance Completed September 2012		X	

In the following pages, a workplan that covers the time frame of June 2013 through June 2015 for the high priority actions still requiring work and the medium priority actions identified in Table 1 is provided. For those who are interested in reviewing the Groundwater Quality Protection Strategy for the Central Valley Region, a Roadmap, which includes information on the Central Valley Water Board's existing groundwater quality protection programs, it is available electronically at:

http://www.waterboards.ca.gov/centralvalley/water_issues/groundwater_quality/index.shtml

Or a request for a hard copy may be made to:

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Workplans

6.4.1 CV-SALTS – Develop a Salt and Nutrient Management Plan

Project Sponsor: Pamela Creedon

Project Manager: Jeanne Chilcott, jchilcott@waterboards.ca.gov

Stakeholder Group Sponsor: CV-SALTS Executive Management Committee

Stakeholder Group Project Manager: Daniel Cozad, dcozad@cvsalinity.org

Goals: Through the CV SALTS initiative, a collaborative stakeholder effort, develop a basin plan amendment to implement a comprehensive Salt and Nitrate Management Plan for surface and ground water within the entire Central Valley Region.

Objective: Ensure that ground and surface water within the Central Valley Region are protected from impacts of salt and nitrates such that all applicable beneficial uses are attained in a manner that insures environmental and economic sustainability.

Action: Amendment to the Basin Plans covering the Sacramento River, San Joaquin River, and Tulare Lake basins. The amendment will address review of beneficial use designations and establishment of new water quality objectives for salts and nitrates as appropriate. The amendment will also establish a comprehensive implementation plan to protect water quality, achieve compliance where those water quality objectives are not met, and identify a monitoring and surveillance program to insure objectives of the amendment are met. Policies to address conservation, recycling, and drought will also be proposed.

Time schedule: CV-SALTS has an aggressive schedule to prepare a Draft Salt and Nitrate Management Plan (SNMP) for the Central Valley by May 2014, a final SNMP by 2016 and incorporation of key elements through a Basin Plan amendment in 2018.

- Annual progress reports to the State Water Board;
- Annual workshops for the Central Valley Water Board;
- CEQA Scoping in 2013;
- Draft SNMP in 2014;
- Final SNMP in 2016; and
- Basin Plan Amendment in 2018

Resource needs: As noted in the goal of this action the CV-SALTS initiative is a broad effort to develop a comprehensive Salt and Nitrate Management Plan for the entire Central Valley Region. Resource needs are estimated by stakeholders based on CV-SALTS May 2009 workplan to be approximately \$20 to \$40 million for the development and initial implementation of the Salt and Nitrate Management Plan. A phased approach was adopted in 2011, that reduced the anticipated budget through 2016 to \$10 million. The State Water Board allocated \$5 million from the Clean-up and

Abatement Account (CAA) to provide seed funding for CV-SALTS initiative including development of the SNMP. To date approximately \$2 million has been spent on facilitation and technical projects to support development of the SNMP. Annually two PYs are allocated for staff to support the CV-SALTS initiative. Of those two PYs approximately 0.5 PY is focused on groundwater issues. The allocated PYs allow staff to participate in stakeholder discussions and on technical project committees including work on the Lower San Joaquin River Committee which is developing salt and boron water quality objectives for the river and an implementation program. The resources are also used to oversee contract management including contractor selection process and invoice approval; schedule and coordinate CEQA Scoping sessions and annual State and Central Valley Water Board annual updates; and initiate internal program coordination. An additional PY would be needed to support more thorough internal program coordination and linkage to implementation planning. Stakeholders are also providing funding and in-kind services to support administrative and technical work outlined in the CV-SALTS Program Workplan.

Workplan Task(s) Narrative Description:

The CV-SALTS Program Workplan available at:

http://cvsalinity.org/index.php/component/docman/doc_view/1092-cv-salts-approved-workplan-final.html?Itemid=289 spans over five years, from 2011 through 2017 and is being completed through a stakeholder process and technical contracts. The following tasks provide a summary of the CV-SALTS Program Workplan for the 2013 Workplan period of June 2013 to June 2015. Central Valley Water Board staff provides support to CV-SALTS and technical work is overseen by a Technical Project Manager. More detailed information on CV-SALTS technical work can be found at:

<http://www.cvsalinity.org/index.php/committees/technical-advisory/technical-projects-index.html>

Task 1 On-going Policy Development and Planning

- 1.1 CV-SALTS Initiative Program Management & Facilitation (contracted)
- 1.2 Provide coordination and support to the Executive and Technical Committee’s

Deliverable: Regular updates in EO report	Date: Monthly
Deliverable: Provide clarifications on Policy issues	Date: Monthly
Deliverable: Information item Central Valley Water Board	Date: Annually

- 1.3 Contract Management of CAA funding

Deliverable: Review & Process Invoices	Date: Monthly
Deliverable: Reports to State Water Board	Date: Annually

Task 2 Technical Work

2.1 Staff participation in the Technical Advisory Committee and/or Project Committee to provide technical comments on CV-SALTS reports, white papers, and any other documents to support policy discussions, beneficial use and Water Quality Objective review, and implementation planning leading to development of a Salt and Nitrate Management Plan.

2.1.1 Salt & Nitrate Management Plan Conceptual Model Phase II & Final Phase

2.1.2 Archetype Tulare Lakebed Groundwater MUN

2.1.3 Agriculture Management Zone Studies

2.1.4 Strategic Salt Accumulation Land & Transport Study (SSALTS)

2.1.5 Effective Management Practices Evaluation

Deliverable: Staff Participation/Comments

Date: As required

Task 3 Lower San Joaquin River Committee

3.1 Staff participation and support to the Lower San Joaquin River Committee (LSJR) in development of Salt and Boron Water Quality Objectives workplan for this effort can be found at:

http://www.cvsalinity.org/index.php/component/docman/doc_download/2261-lsjr-committee-workplan.html?Itemid=373

Deliverable: Coordination with LSJR Committee and State Water Board

Date: On-going

3.2 LSJR Contract Management Technical Work

Deliverable: Review & Process Invoices

Date: Monthly

Task 4 CEQA Documentation

4.1 Facilitate initial CEQA Scoping

Deliverable: Facilitation of 4 CEQA Scoping Meetings

Date: Oct 2013

4.2 Contract CEQA Documentation

Deliverable: Documentation of RFP

Date: Feb 2014

4.3 Prepare CEQA Documentation

4.3.1 Conduct economic analysis of program of implementation alternatives

4.3.2 Public Meetings and Workshops

4.3.3 Complete Substitute Environmental Documentation (SED)

4.3.4 Prepare Central Valley Water Board staff report

4.3.5 Conduct peer review of staff report

Deliverable: To be included in future workplan

Date: 2015-2017

Table #6.4.1 CV-SALTS – Develop a Salt and Nutrient Management Plan						
Time Frame: June 2013 through June 2015						
Task #	Task Description	Task Deliverable	PYs	Coordination Commitment	Contract Dollars	Completion Date
1	On-going Policy Development and Planning	1.1 Updates in EO Reports 1.1 Annual Workshop 1.2 Review & Process Invoices 1.2 Annual Report at State Board Hearing 1.3 Contract Management	1.0	\$630,000 & in-kind services	+	Monthly Annual Monthly Annual
2	Technical Work	2.1 Staff Participation & Oversight	0.5			
2	Technical Work	2.1.1 Salt & Nitrate Management Plan Conceptual Model Phase II & Final Phase			\$1,075,000	Jun 2014
2	Technical Work	2.1.2 Archetype Tulare Lakebed Groundwater MUN		\$200,000	\$100,000 CEQA	
2	Technical Work	2.1.3 Agricultural Dominated Water Bodies Evaluation (MUN beneficial use)			\$60,000 analytical \$155,000 CEQA	
2	Technical Work	2.1.3 Agriculture Management Zone Studies		\$100,000	\$120,000	Dec 2013
2	Technical Work	2.1.4 Strategic Salt Accumulation Land & Transport Study (SSALTS)			\$345,000	Feb 2014
2	Technical Work	2.1.5 Effective Management Practices Evaluation		\$348,377 & in-kind services		On-going
3	LSJR Committee		0.5		\$765,000	
4	CEQA	4.1 Scoping Meetings 4.2 RFP documentation 4.3 CEQA documentation		\$175,000	\$325,000	Oct 2013 Feb 2014 2015-2017

+For more detail on the CV-SALTS Program Workplan budget see:

http://cvssalinity.org/index.php/docs/doc_download/2405-cv-salts-budget-amendment-notes-7-9-13.html

6.4.2 Implement Consistent and Scientifically Sound Groundwater Monitoring Programs

Project Sponsor: Clay Rodgers

Project Manager: Rob Busby, rbusby@waterboards.ca.gov

Goals: Implement groundwater quality monitoring programs throughout the Central Valley that will yield water quality data that are based on sound science and technically and scientifically defensible techniques and approaches.

Objective: To bring together experts in the field of groundwater quality monitoring to advise and comment on technical issues. The workgroup will be an advisory panel to assist the Central Valley Water Board in evaluating how and why groundwater quality monitoring is conducted, to maximize the collection of reliable data, ensure the efficient use of resources, and provide for the proper evaluation of data.

Action Items:

- Through an expert advisory committee, issue white papers on groundwater quality monitoring issues that provide guidance to staff and promote consistency throughout the Central Valley Region on technical issues related to groundwater quality monitoring.
- These white papers will improve staffs technical knowledge that influences groundwater quality monitoring requirements for WDRs and keep the Central Valley Water Board staff current on methods of evaluation of groundwater quality monitoring data.
- Serve as the Technical Advisory Committee for groundwater monitoring to the Irrigated Lands Regulatory Program. The Central Valley Water Board brought together experts in the field of groundwater quality monitoring to advise and comment on technical issues. The Groundwater Monitoring Advisory Workgroup (GMAW) is an advisory panel to assist the Central Valley Water Board in evaluating how and why groundwater quality monitoring is conducted, to maximize the collection of reliable data, ensure the efficient use of resources, and provide for the proper evaluation of data.

In previous work the GMAW was assembled, they identified four technical issues to develop white papers. The list of technical issues was reprioritized by the group. The following workplan incorporates tasks from the 2011 Workplan, identifies the technical issues white papers, and a schedule for completion.

Workplan Task(s) Narrative Description:

It is important to note that the GMAW is a volunteer effort which has provided technical recommendations but it will continue to take time to flesh out the finalize Technical Issue White Papers.

Task 1 Technical Issues White Paper #1, Site and Area Management Strategies for subsurface Investigations: Resources Toolbox

1.1 Draft an outline for Technical Issues White Paper #1 and present it to the GMAW for comments and recommendations.

Deliverable: Outline and GMAW meeting **Date:** Completed

1.2 Complete a draft Technical Issues White Paper #1 and present it to the GMAW for comments and recommendations.

Deliverable: Draft document / meeting **Date:** Completed

1.3 Internal review by Central Valley Water Board staff. Revise document and submit to GMAW for comments.

Deliverable: Distribute draft **Date:** November 2013

1.4 Final Technical Issues White Paper #1.

Deliverable: Submit final document **Date:** January 2014

Task 2 Technical Issues White Paper #2, Establishing and Applying Site-Specific Background Concentrations

2.1 Complete a draft Technical Issues White Paper #2 and present it to the GMAW for comments and recommendations.

Deliverable: Draft document / meeting **Date:** March 2014

2.2 Internal review by Central Valley Water Board staff. Revise document and submit to GMAW for comments.

Deliverable: Distribute draft **Date:** May 2014

2.3 Final Technical Issues White Paper #2

Deliverable: Submit final document **Date:** July 2014

Table #6.4.2 Implement Consistent and Scientifically Sound Groundwater Monitoring Programs

Time Frame: June 2013 through June 2015

Task #	Task Description	Task Deliverable	PYs	Coordination Commitment	Contract Dollars	Completion Date
1	Technical Issues White Paper	Final Technical Issues White Paper #1		100% Volunteer	\$0	Jan 2014
2	Technical Issues White Paper	Final Technical Issues White Paper #2		100% Volunteer	\$0	July 2014

6.4.3 Implement Groundwater Quality Protection Programs through the Integrated Regional Water Management Plan Groups

Project Sponsor: Clay Rodgers

Project Manager: Pam Buford, pbuford@waterboards.ca.gov

Goals: Leverage and expand groundwater quality program coverage through improved coordination and partnering with local regional groups that receive State funds through the Integrated Regional Water Management (IRWM) process.

Objective: Identify partnering opportunities to implement groundwater quality protection and improvement programs through the IRWM Plans. Through active participation, the Central Valley Water Board will obtain a better understanding of the water management planning that is underway within the Central Valley Region. The Central Valley Water Board’s participation will also serve as a resource on water quality protection issues for the development or update of IRWM Plans.

Action Items:

- The Central Valley Water Board will become more formally engaged as an active stakeholder with IRWM Planning Groups
- Assist in IRWM Plan development or updates to ensure plans include comprehensive water quality components
- Through active involvement, the Central Valley Water Board will better utilize the IRWM Planning Groups as resources in groundwater quality protection or improvement.

Time Schedule: Time schedule for this workplan is for the period of June 2013 through June 2015.

Resource needs: To address the action items and stay actively engaged with each of the 23 IRWM groups within the Central Valley Region it is anticipated that an initial 950 hours will be needed to develop an approach for coordination and for staff to familiarize themselves with each of the IRWM Plans. In addition a minimum of 1,500 staff hours would be needed annually. This amount of time would allow for staff participation with each IRWM group to attend one meeting per month and two hours/month for meeting preparation and/or technical assistance. The initial and minimum staff hours described equate to approximately 1.5 PYs. Currently available funding for this work is approximately 0.3 PY which comes from basin planning and NPS program resources.

Workplan Task(s) Narrative Description: Work for this item has previously been performed on an informal basis as needed when IRWM groups have asked for assistance. With this workplan management will allocate resources, identify a program manager, and make staff assignments to formalize the Board’s commitment to remain actively engaged as stakeholders in the IRWM process.

Task 1 Identification of Resources

- 1.1 Management Identification of Resources
- 1.2 Staff Assignments by Management
 - 1.2.1 Management to identify their expectations of what “staff active participation” will consist of

Deliverable: 1.1 Staff Resource Allocation	Date: Dec 2013
1.2 Staff Assignments	Feb 2014
1.2.1 Active Participation Description Memo	Jan 2014

Task 2 Develop Coordination Approach and Message

- 2.1 Staff review of IRWM Plans
 - 2.1.1 IRWM Staff Team meets to share various IRWM Plans status and focus
 - 2.1.1.1 Identify common water quality issues
 - 2.1.1.2 Identify missing water quality elements
 - 2.1.1.3 Identify status of IRWM plans (under development, completed, being updated)
- 2.2 Internal Coordination
 - 2.2.1 Quarterly IRWM Staff Team meetings with Program Managers and AEOs to present status and IRWM Group coordination needs. Program Managers and AEOs will provide guidance to staff on programmatic or policy issues

Deliverable: 2.1 Working knowledge of IRWM group	Date: March 2014
2.2 Quarterly IRWM Staff Meetings	Quarterly

Task 3 IRWM Staff Team Work/Resources Re-evaluation

- 3.1 Staff will track time spent on IRWM group meetings and technical advisory support by IRWM group for year one of workplan (FY13/14)
- 3.2 Prior to beginning of year two of workplan (FY14/15) IRWM Staff Team working with Program Managers will report to the Executive Management Group on the need for reallocation among staff and/or increase/decrease in resources to provide the level of active participation described in task 1.2.1.

Deliverable: 3.2 Agenda item for Executive Management Group **Date:** May 2014

Task 4 IRMW Staff Team Active Participation

- 4.1 IRWM Staff Team continue active participation through June 2015

The following table identifies work that can be completed with the existing resources.

Table #6.4.3: Implement Groundwater Quality Protection Programs through the Integrated Regional Water Management Plan Groups						
Time Frame: June 2013 through June 2015						
Task #	Task Description	Task Deliverable	PYs	Coordination Commitment	Contract Dollars	Completion Date
1	Identification of Resources	1.1 Staff Resource Allocation 1.2 Staff Assignments 1.2.1 Active Participation Description Memo	0.1			Dec 2013 Feb 2014 Jan 2014
2	Develop Coordination Approach and Message	2.1 Working knowledge of IRWM group 2.2 Quarterly IRWM Staff Meetings	0.2			May 2014 Quarterly beginning Feb 2014
3	Resources Evaluation	3.2 Agenda item for Executive Management Group				May 2014

6.4.4 Broaden Public Participation

Project Sponsor: Richard Loncarovich

Project Manager: Linda Bracamonte, lbracamonte@waterboards.ca.gov

Goals: Ensure all interested parties have the opportunity to participate in the Central Valley Water Board's decision making processes.

Objective:

- Broaden public participation throughout the Central Valley Region.
- Assure that our regulatory process is transparent and the public has access to information about the process.
- Leverage our public outreach efforts with other government entities and partner with business and other interest groups to increase public participation and awareness.

Time Schedule: Public participation is a continuous process.

Workplan Task(s) Narrative Description: The initial efforts have been completed from June 2011-2013 including:

- Provided meeting facilitation training to 26 Regional Board staff,
- Held multiple board workshops in project specific locations. As the need arise we will continue to provide this service.
- Provide the opportunity for interested parties to participate in specific program issues such as, CV Salts, Dairy Monitoring, ILRP, etc.
- Working with State Water Board to expand our ability to allow for remote Board Meeting Participation from all three of our offices.
- Working with vendors to upgrade our equipment to allow for webcasting of our Board Meetings.

No specific new tasks are required for this workplan but broadening public participation will be an on-going effort throughout all the Central Valley Water Board programs.

6.4.5 Well Design and Destruction (Abandonment) Programs

Project Sponsor: Clay Rodgers

Project Manager: Rob Busby, rbusby@waterboards.ca.gov

Goal: Protect groundwater quality through improved local implementation of a Well Design and Destruction Programs.

Objective: Through coordination with Department of Water Resources (DWR) and local agencies, identify specific aspects of the Well Standards that require modification for enhanced implementation and oversight.

Action Items: Working with DWR, Department of Public Health (DPH), and local agencies, identify exactly how the well standards are being implemented and what

specific elements of well standards are not being actively enforced. Develop a line-item proposal to improve implementation of current well standard enforcement.

Time Schedule: The time schedule for this action is estimated to be 18-months during the period June 2013 through June 2015.

Resource needs: It is anticipated the defined tasks can be completed within an 18-month period using resources of approximately \$75,000 over this time period, equivalent to approximately 0.75 PYs. Each task is generally dependent on completion of the preceding task(s) such that management of this Action will require some metric identifying individual task completion, e.g., time limit or specific date. Preparation of the survey (Task 3) can be initiated concurrent with completion of Tasks 1 and 2.

Workplan Task(s) Narrative Description: The primary goal of the workplan tasks described below are (1) the compilation of specific methods that local agencies use to oversee and manage enforcement of the Well Standards, (2) identification of which specific standards are generally not being enforced, and (3) development of a proposal with specific ideas to improve Well Standards implementation. The secondary goal is development of relationships between the Regional Board and the local agencies that oversee implementation of the Well Standards.

Task 1 Meet with DWR regarding implementation of Well Standards

Discuss with DWR their current role in maintaining the Well Standards, e.g., planned updating of the standards. Additionally, determine if guidance in implementation of the Well Standards is provided or available as part of DWR's oversight of the Well Standards program and the Groundwater Information Center.

Deliverable: Understanding of DWR's ongoing role in well standards maintenance and implementation.

Date: February 2014

Task 2 Identify local agencies that oversee Well Standards

Develop a list of local agencies, e.g., county health departments that are charged with implementing the Well Standards. Decide how many of the agencies need to be surveyed to provide an accurate assessment of the current state of implementation of the Well Standards, particularly regarding enforcement.

Deliverable: A list of local agencies and personnel that can be surveyed to assess the current state of enforcement of the Well Standards.

Date: February 2014

Task 3 Compile survey questions

Develop a list of survey questions for the local agencies identified in Task 2. Questions should be designed to identify differences in the methods of implementation and enforcement of the Well Standards noting particular areas of inconsistency between agencies in oversight and enforcement.

Deliverable: A survey form to compile accurate information regarding the current methods of implementation of the Well Standards by local agencies.

Date: April 2014

Task 4 Complete the survey described in Task 3

Schedule meetings with personnel from local agencies for the purpose of completing the survey. Additionally, the meetings will provide an opportunity for Regional Board staff to develop relationships with agencies that provide some oversight in groundwater protection.

Deliverable: Survey data pertaining to implementation of the Well Standards. The survey meeting will also provide an improved understanding of the conditions facing local agencies regarding enforcement of the Well Standards.

Date: September 2014

Task 5 Review survey data

Review and compile the survey data with the goals of (1) defining which specific elements of the Well Standards are not being consistently enforced, and (2) establishing what tools may be lacking that could provide local agencies the ability to more effectively enforce the standards, e.g., enhanced legal authority, staffing resources, etc.

Deliverable: An analysis of the survey data from which a list of specific required enforcement criteria will be established that provide enhanced oversight of the Well Standards.

Date: December 2014

Task 6 Develop a proposal to improve administration of the Well Standards

A draft proposal will be prepared that addresses evident limitations in administration of the Well Standards and presents specific criteria for improving oversight and enforcement of the Well Standards. Such criteria may include recommendations for specific training of agency personnel, consideration of enhanced authority for local agencies, and more stringent review of well construction/destruction projects prior to their implementation. Specific elements of the draft proposal would be the topic of meetings with local agencies resulting in modifications and some overall concurrence of the proposed approach to improved administration of the Well Standards. Internal

meetings with Regional Board staff would provide additional considerations to proposed elements.

Deliverable: A draft proposal that can be submitted to the Regional Board for consideration which includes both information regarding the current state of well standards implementation within Region 5 and concrete ideas to improve well standard implementation.

Date: May 2015

Table #6.4.5 Improve local implementation of Well Design and Destruction Programs						
Time Frame: June 2013 through June 2015						
Task #	Task Description	Task Deliverable	PYs	Coordination Commitment	Contract Dollars	Completion Date
1	Meet with DWR	Understanding DWR's role in well standards maintenance and implementation	0.01			Feb 2014
2	Identify local agencies that oversee standards	A list of local agencies & personnel to survey to assess current state of enforcement of Well Standards	0.01			Feb 2014
3	Compile survey questions	Survey form to compile current methods of implementing Well Standards	0.09			April 2014
4	Complete survey in Task 3	Survey data pertaining to implementation of Well Standards	0.18			Sept 2014
5	Review survey data	Analysis of survey data for establishing enforcement criteria for the Well Standards	0.18			Dec 2014
6	Develop a proposal to improve administration of Well Standards	A draft proposal with concrete ideas to improve Well Standards implementation	0.27			May 2015

6.4.6 Groundwater Database

Project Sponsor: Richard Loncarovich and Clay Rodgers

Project Manager: Jovel Vossler, javossler@waterboards.ca.gov

Goals: To develop a groundwater quality database that facilitates the compilation and assessment of data and allows for seamless integration with information from different Central Valley Water Board programs and other agencies.

Objective:

- Enhancing existing State Water Board databases, the Central Valley Water Board will leverage database development already completed.
- Requiring electronic data submittal from dischargers should result in reducing errors in data reporting, improving data analysis capability, reducing staff time through electronic data transfer, and improving accessibility of data by the public and other agencies.

During the previous workplan term of June 2011-2013 staff worked cooperatively with State Water Board's Office of Information Management and Analysis (OIMA) and Central Valley Water Board staff. An issue paper was sent to OIMA recommending that the State Water Board's GeoTracker System be modified to incorporate data from the remaining programs that were not already in the system. The State Water Board had reached a similar decision that GeoTracker was the appropriate system to be modified to accommodate remaining groundwater data.

Time schedule: Currently OIMA's plan is to move forward one program area at a time to make modifications to the system. This effort will take several years to complete and as each program is identified Region 5 Workgroup will work closely with OIMA's staff to make sure Central Valley Water Board program data is identified and the functionality of the system is appropriate for each program.

Workplan Task(s) Narrative Description:

No specific tasks are identified for the current term of June 2013-June 2015.

6.5.1(a) Alternative Dairy Waste Disposal Project - Dairy Manure Digester and Dairy Manure Co-Digester – Completed June 2011

Project Sponsor: Clay Rodgers

Project Manager: Rob Busby, rbusby@waterboards.ca.gov

Goal: Find alternative wastewater disposal methods and processes that protect groundwater quality while providing multiple environmental media benefits.

Objective:

- Develop a programmatic EIR for Digester Facilities at dairies that use manure waste as a renewable energy source that will generate power and ensure protection of groundwater quality.
- Develop and implement a General Order for digester facilities throughout the Central Valley that is based on the EIR.

Action Items:

- Streamlined permitting of digesters on dairies has been completed with the certification of the Program EIR (Resolution R5-2010-0116) and adoption of the General Order R5-2010-0130) at the Central Valley Water Board's December 2010 meeting.
- Resolution and Waste Discharge Requirements General Order for Centralized Dairy Manure Anaerobic Digesters or Centralized Dairy Manure Co-digester Facilities, was adopted June 2011

6.5.1(b) Develop General Order for Poultry, Cattle, or Other Confined Animal Facilities

Project Sponsor: Andrew Altevogt

Project Manager: Doug Patteson, dpatteson@waterboards.ca.gov

Goals: Protect groundwater from waste associated with the operation of confined animal facilities including poultry raising and egg laying facilities, bovine feedlots (heifer ranches, beef cattle yards, etc.), and other types of confined animal facilities not covered by the Dairy General Order.

Objective: Develop a General Order (or group of orders) that will address the different types of confined animal facilities including poultry raising and egg laying facilities, and bovine feedlots and their discharges for the Central Valley Water Board's consideration for confined animal facilities not covered by the Dairy General Order. General Order(s) will be consistent with and exceed NPDES requirements in accordance with Federal Confined Animal Feeding Operation regulations.

Action Items:

- Begin expanding CAFO program through development of a General Order (or group of orders)
- General Order for Poultry Raising and Egg Laying Facilities
- General Order for Bovine Feedlots

Time Schedule: Plan is to have a General Order brought to the Central Valley Water Board for consideration within the 2013/2014 Fiscal Year.

Resource needs: It is anticipated that 0.75 PY will be utilized to develop the poultry general order (including support staff), and 0.75 PY will be utilized to develop the bovine feedlots general order. Impacts to the Confined Animal Facilities program will include a reduction in the number of dairy inspections compared to the 2012/2013 Fiscal Year.

Workplan Task(s) Narrative Description:

Task 1 Draft Poultry General Order (draft stage of General Order)

1.1 Prepare Draft Poultry Order

Deliverable: Completed Draft Poultry General Order **Date:** November 2013

- 1.2 Circulate Draft Poultry General Order (to discharger representatives and interested parties)
- 1.3 Complete revisions to Draft Order

Task 2 Tentative Poultry General Order

2.1 Prepare Tentative Poultry General Order

Deliverable: Completed Tentative Poultry General Order **Date:** February 2014

- 2.2 Circulate Tentative Poultry General Order for public comment, public outreach
- 2.3 Prepare response to comments and agenda package

Deliverable: Agenda Package **Date:** May 2014

Task 3 Board Meeting

3.1 Tentative Poultry General Order considered by Board

Deliverable: Adopted Poultry General Order **Date:** June 2014

Task 4 Draft Bovine Feedlots General Order (draft stage of General Order)

4.1 Prepare Draft Bovine Feedlots Order

Deliverable: Completed Draft General Order

Date: November 2013

4.2 Circulate Draft Bovine Feedlot General Order to discharger representatives and interested parties

4.3 Complete revisions to Draft Bovine Feedlot Order

Task 5 Tentative Bovine Feedlot General Order

5.1 Prepare Tentative Bovine Feedlot General Order

Deliverable: Completed Tentative General Order

Date: February 2014

5.2 Circulate Tentative Bovine Feedlot General Order for public comment, public outreach

5.3 Prepare response to comments and agenda package

Deliverable: **Agenda Package**

Date: May 2014

Task 6 Board Meeting

6.1 Tentative Bovine Feedlot General Order considered by Board

Deliverable: Adopted Bovine Feedlot General Order

Date: June 2014

Table #6.5.1(b) Develop General Order for Poultry, Cattle, or Other Confined Animal Facilities

Time Frame: June 2013 through June 2015

Task #	Task Description	Task Deliverable	PYs	Coordination Commitment	Contract Dollars	Completion Date
1	Draft Poultry General Order	1.1 Draft General Order for circulation among discharger groups	0.3			June 2014
2	Tentative Poultry General Order	2.2 Tentative General Order for public comment 2.3 Agenda Package for Board meeting	0.3			Aug 2014 Nov 2014
3	Board Meeting	3.1 Adopted Poultry General Order	0.15			Dec 2014
4	Draft Bovine Feedlot General Order	4.1 Draft General Order for circulation among discharger groups	0.3			Dec 2013
5	Tentative Bovine Feedlot General Order	5.2 Tentative General Order for public comment 5.3 Agenda Package for Board meeting	0.3			Feb 2014 May 2014
6	Board Meeting	6.1 Adopted Order	0.15			June 2014

6.5.2(a) Implementation of the Long-Term Irrigated Lands Regulatory Program (ILRP)

Project Sponsor: Ken Landau

Project Manager: Joe Karkoski, jkarkoski@waterboards.ca.gov

Goals: Implement an irrigated lands program that establishes a groundwater protection program for wastes associated with agricultural practices.

Objective: The Central Valley Water Board will implement the long-term ILRP through the development, issuance, and enforcement of a series of geographically or commodity based general waste discharge requirements and conditional waivers of waste discharge requirements.

Action Items:

- Fiscal year 2013/2014 will include a primary focus on completing the remaining general waste discharge requirements to be issued. All long-term program WDRs will be issued by the end of the fiscal year.
- Fiscal year 2013/14 and 2014/15 activities will also include outreach and enrolling growers under the new Orders; and working with Coalitions and growers to ensure compliance with the new requirements
- Fiscal year 2013/14 and beyond activities will be dependent on the Orders issued by the Board.
 - Activities are likely to include:
 - managing the information submitted to meet requirements;
 - overseeing and reviewing monitoring and assessment efforts;
 - determining adequacy and effectiveness of regional management plans; individual management plans; and management practices that are implemented;
 - taking compliance/enforcement action against individuals and Coalitions, when needed; updating/modifying the Orders;
 - coordinating internally and with various local and State agencies.

Resource needs: Based on the evaluation in the long-term program staff report, longer-term staff resource needs are expected to be between 20-50 PY. The current program utilizes approximately 18 full time staff. Increasing resources to 30 staff would result in a discharger to staff ratio of between 1,000-1,300 to 1. This level of staffing will be sufficient given the use of Coalition groups (assuming 99% grower participation in Coalitions, leaving approximately 350 growers managed individually) and the use of electronic data submittals (i.e., limited or no submittal of paper documents).

Approximately \$100,000 per year in contract funds will be needed for scientific aids in information management and \$100,000 per year will be needed to conduct special studies and analysis associated with compliance activities. A new information management system for tracking discharger information will cost approximately \$150,000 to establish and \$100,000 annually to maintain.

Lack of contracting resources or access to scientific aids, analytical lab contracts, or information management tools will significantly reduce the board's ability to ensure compliance with the requirements and conduct enforcement. Scientific aids perform critical task related to data entry, processing applications for regulatory coverage, and identifying parcels without regulatory coverage absent such assistance, staff will need to perform those tasks. Absent analytical contracts, the board will have difficulty prosecuting enforcement cases or having the data required to follow-up on identified water quality problems. Lack of an effective information management system will limit the board's ability to evaluate the information it receives or identify/track the hundreds to thousands of parcels requiring regulatory coverage.

Funds to offset grower costs for implementation of management practices would facilitate adoption of practices. The estimated costs associated with implementing improved management practices could run into the hundreds of millions of dollars Central Valley wide, although improved management practices also provide non-water quality benefits (e.g. more efficient irrigation can improve yields and save water).

Workplan Task(s) Narrative Description:

Task 1a -1e Adoption of 8-10 Orders

1a-1e Adoption of 7 new Orders (waste discharge requirements). The schedule assumes that minimal supplemental CEQA analysis will be required. Adoption of all Orders is preceded by the release of an administrated draft Order, a board workshop; and the release of the tentative Order.

Deliverable: 7 Orders through March 2014

Date: Every 2-3 Months

Task 1f Advisory Groups

1f Staff will solicit participation in two advisory groups to provide discussion forums for technical and policy issues associated with the new Orders. Meetings will be held, as needed, to address evolving technical and policy issues.

Deliverable: Agendas/Meeting Notes

Date: Per TBD meeting schedule of groups.

Task 2 Implementation of Adopted Orders

2.1 Oversee the implementation of the Orders to ensure the requirements and conditions are being fulfilled.

2.1.1 Priority focus after the initial adoption of the Orders will be on working with the Coalitions on the preparation and review of any required assessments (e.g., of ground water quality); monitoring plans; and management plans.

Deliverable: Updates provided in EO Reports

Date: Based on Board Calendar

Task 3 Long-Term ILRP Outreach

3.1 Outreach to inform growers currently enrolled in the program and growers that need to be enrolled in the program of new requirements.

3.1.1 Coordinate with agriculture community to support outreach

3.2 Prepare informational mailings, conduct outreach meetings, and prepare necessary web based material

Deliverables: Outreach materials, summary of meetings attended

Date: Continuous Updates in EO Reports

Task 4 Grower Enrollment

4.1 Implement grower enrollment (target 90% enrollment of 33-35,000 growers)

4.1.1 Web-based tool development to facilitate grower enrollment, pending approval and available funding

Deliverable: Periodic EO reports or board information items on enrollment

Date: Ongoing

4.1.2 Outreach to identify growers requiring enrollment assistance

Deliverable: Summary of methods used to identify growers/ assistance provided

Date: Continuous Updates in EO Reports

Task 5 Compliance/ Enforcement

5.1 Identify non-participating growers who do not respond to outreach efforts.

5.1.1 Progressive compliance/enforcement actions (e.g., informal letters/postcards; 13260 Directives/13267 Orders; administrative liability complaints) will be used to ensure those growers receive the proper regulatory coverage.

5.1.2 Water quality related compliance efforts will generally be conducted in response to complaints.

Deliverable: Enforcement Reports included EO Reports

Date: Continuous Updates in EO Reports

Table #6.5.2(a) Implementation of the Long-Term Irrigated Lands Regulatory Program (ILRP)

Time Frame: June 2013 through June 2015

Task #	Task Description	Task Deliverable	PYs	Coordination Commitment	Contract Dollars	Completion Date
1a	Adopt WDR for Growers Not in a 3 rd Party Group	General WDRs for Board Consideration/ Adoption	0.1			July 2013
1b	Adopt Tulare Lake Basin WDR	General WDRs for Board Consideration/ Adoption	0.3			Sep 2013
1c	Adopt Westside San Joaquin and Western Tulare Lake WDRs	General WDRs for Board Consideration/ Adoption	0.4			Jan 2014
1d	Adopt Sac River, and Delta WDRs	General WDRs for Board Consideration/ Adoption	0.6			March 2014
1e	Adopt Sac Valley Rice WDRs	General WDRs for Board Consideration/ Adoption	0.3			Mar/Apr 2014
2	Oversee Implementation of Adopted Orders	Approval of/comments on plans/reports submitted pursuant to Orders.	12.0			Continuous / Consistent with schedules in Orders
3	Grower Outreach to explain new program requirements	Outreach meetings; mailings; web posting.	2.0			Continuous
4	Grower Enrollment	Up to 9,000 new growers enrolled in ILRP out of approximately 10,000 required to enroll.	2.5			June 2015
5	Compliance / Enforcement	Inspection reports; enforcement follow-up to inspection reports; staff review of submitted reports; compliance actions for 3 rd parties.	6.0			Continuous

[6.5.2\(b\) Coordinate with CDFA to identify methods to enhance outreach, education, and research through CDFA's fertilizer research and education program](#)

Project Sponsor: Ken Landau

Project Manager: Joe Karkoski, jkarkoski@waterboards.ca.gov

Goals: Reduce groundwater quality impacts from use of nitrogen based fertilizing materials in agricultural, commercial, and residential applications.

Objective: Through increased coordination with CDFA, identify methods, to protect water quality such as but not limited to, application reporting, research transfer through allied industry professionals, improved fertilizer application methods, and alternative products that could be used to improve source reduction of nitrogen based fertilizing materials.

Action Items: Initiate regular coordination meetings and work closely to reduce groundwater quality impacts from fertilizing materials, identify methods of determining the amount of excess nitrogen being discharged to groundwater.

Time Schedule: Time schedule for this workplan is for the period of June 2013 through June 2015.

Resource needs: Existing resources should be sufficient to support the coordination activities (estimate 0.1 PY – 0.2 PY per year). Any follow-up from the coordination may require additional resources, depending on the projects identified and the regional board's role.

Workplan Task(s) Narrative Description: These tasks involve coordination with CDFA and should, therefore, be considered draft until confirmed with CDFA. In addition, CDFA and the State Water Board are developing a Management Agency Agreement (MAA), which will likely provide additional context and direction for this Action.

Task 1 MAA Development

- 1.1 Work with the State Water Board and CDFA in the development of the CDFA/Water Board MAA.

Deliverable: CDFA/Water Board MAA

Date: TBD

Task 2 Coordination Meetings

- 2.1 Work with the State Water Board and CDFA to meet on a regular basis to coordinate on nitrogen management/nitrate issues.

Deliverable: Status reports as part of EO report

Date: Ongoing

Task 3 Coordination Meetings Task Follow-up

3.1 Tasks may be assigned to the Central Valley Water Board as a result of the coordination meeting. Staff will provide deliverables in the agreed upon deadlines, as applicable.

Deliverable: As determined from coordination meetings.

Date: As agreed upon in coordination meetings.

<u>Table #6.5.2(b) Coordinate with CDFA to identify methods to enhance outreach, education, and research through CDFA’s fertilizer research and education program.</u>						
Time Frame: June 2013 through June 2015						
Task #	Task Description	Task Deliverable	PYs	Coordination Commitment	Contract Dollars	Completion Date
1	MAA Development	1.1 Signed CDFA/Water Boards MAA				TBD
2	Coordination Meetings	2.1 Status Reports	0.2			On-going
3	Coordination Meeting Follow-up	3.1 Deliverables to be determined	0.2			TBD

6.5.3 Reduce Site Cleanup backlog

Project Sponsor: Andrew Altevogt

Project Manager: Duncan Austin, daustin@waterboards.ca.gov

Goals: Reduce the number of inactive cases (i.e., the case backlog) in the Site Cleanup Program.

Objectives: Within the next two fiscal years:

- Review the Board’s case and temporary files, including archived files, for the 600+ cases in the backlog;
- Identify whether the Site needs additional work, is a duplicate case, is a DTSC-lead case, or should be closed in GeoTracker;
- Evaluate feasibility of Initiating assessment and cleanup for inactive cases that are a threat to the beneficial uses of groundwater;
- Eliminate cases that were improperly added to the backlog;
- Reduce the backlog of cleanup sites by ten percent.

Action Items:

- Initiate a case review process that includes reviewing our case, temporary, and archived files; the Department of Toxic Substances Control (DTSC) EnviroStor database to evaluate if the Site is being investigated by DTSC; and the appropriate County files for additional information;
- Review all the available information to assess and recommend whether the Site needs additional work, is a duplicate case, is a DTSC-lead case, or should be closed in GeoTracker;
- After identifying sites that need additional work, activate case(s) and evaluate feasibility of moving case to cost recovery;
- Prepare site summary memorandums for duplicate and DTSC-lead cases, or cases that should be closed in GeoTracker. Upload the memorandum to GeoTracker and update the case status;
- For some cases, there is no information available in the Board, DTSC, or County files and it is likely these cases were improperly added to GeoTracker (i.e., these cases have not been a threat to water quality). Delete these cases from GeoTracker.

Time Schedule: This workplan will be for the period of July 2013 through June 2015. In June 2014 Site Cleanup Program staff will evaluate the progress and effectiveness of the backlog reduction plan and recommend changes, if appropriate. The time schedule for tasks contained in this workplan is within the Task Narrative Description section. Each time schedule date is when the initial deliverable will be completed. Most tasks will have multiple deliverables (e.g., there will be a case summary memorandum for the majority of the 600 inactive cases).

Resource needs: Board staff recognizes that additional resources are not available to address the Site Cleanup backlog. We have prepared this workplan to address the backlog within our current resources.

Workplan Task(s) Narrative Description:

Task 1 – Review Available Board Case Files

1.1 Identify staff and a lead staff to conduct review.

Deliverable: Staff Assignments

Date: July 2013

1.2 Develop procedures for reviewing the cases.

Deliverable: Case Review Procedures

Date: August 2013

1.3 Identify staff and a lead staff to conduct review.

Deliverable: Review Case Files (by County)

Date: August 2013

1.4 Prepare Case Summary Memorandum

Deliverable: Memorandum w/ Recommendation(s)

Date: October 2013

Task 2 – Review Other Agency Case Files

2.3 Request Electronic Copies of Files (if available)

Deliverable: File Copies

Date: September 2013

2.4 Identify staff and a lead staff to conduct review

Deliverable: Review Case Files

Date: October 2013

2.3 Prepare Case Summary Memorandum

Deliverable: Memorandum w/ Recommendation(s)

Date: December 2013

Task 3 – Assign Cases

3.2 Identify Cases that Need Additional Assessment/Cleanup

Deliverable: Priority List for Management Consideration

Date: December 2013

3.3 Assign Priority Cases

Deliverable: Active Case Management

Date: January 2014

Task 4 – Cases Ready for Board Closure

4.1 Identify Cases Closed by Board Staff

Deliverable: Recommendation for Management

Date: January 2014

4.2 Identify Cases Closed by Other Agencies

Deliverable: Recommendation for Management

Date: January 2014

4.3 Cases with Soil/Groundwater Assessment Done

Deliverable: Recommendation for Management

Date: January 2014

Task 5 – Cases without Files

5.1 Identify Cases with No Information Available

Deliverable: Recommendation for Deletion

Date: January 2014

5.2 Prepare Summary of Cases

Deliverable: Memorandum of Cases for Deletion

Date: March 2014

5.3 Delete Cases from GeoTracker

Deliverable: GeoTracker Update

Date: May 2014

Table #6.5.3 Reduce backlog of cleanup sites						
Time Frame: July 2013 through June 2015						
Task #	Task Description	Task Deliverable	PYs	Coordination Commitment	Contract Dollars	Completion Date
1	Review Case Board Files	1.1 Staff Assignments 1.2 Review Procedures 1.3 Case Reviews 1.4 Summary Memos	0.2		\$0	Jul 2013 Oct 2013 Feb 2015
2	Review Other Agency Case Files	2.1 Request Electronic Copies 2.2 Identify Staff to conduct review 2.3 Prepare case summary memoranda	0.1			Sept. 2013 Oct 2014 Feb 2015
3	Assign Cases	3.1 Identify Cases Needing Assessment/Cleanup 3.2 Assign Priority Cases	0.05			Feb 2015
4	Cases Ready for Closure	4.1 Identify Cases to be Closed 4.2 Identify Cases with Assessment Complete	0.05			Feb 2015
5	Cases without Files	5.1 Identify Cases with No Information Available 5.2 Prepare Summary of Cases 5.3 Delete Cases from Geotracker as Appropriate	0.15			June 2015

6.5.4(a) Update Guidelines for Waste Disposal from Land Developments

Project Sponsor: Ken Landau

Project Manager: Betty Yee byee@waterboards.ca.gov

At the time of approval of the Roadmap, September 2010, the State Water Board's efforts related to Assembly Bill 885 (AB 885) had stalled. The priority given to action 6.5.4(a) was partly based on resources and the potential for the State Water Board to address the requirements of AB 855.

During the last two years the State Water Board worked to develop and adopt new regulations for discharges from onsite wastewater treatment systems (OWTS) (see action #6.5.4(b) for more information. To comply with the State Water Board's new OWTS policy and meet the intent of the original action in the Groundwater Quality Protect Strategy, a Roadmap, the following goal, objective, and action items have been updated.

Goal: The Central Valley Water Board will adopt a revised waiver of waste discharge incorporating new regulations for septic systems (onsite wastewater treatment systems.)

Objective: To comply with the State Water Board's time schedule the new regulations based on AB 885 will be presented to the Central Valley Water Board for consideration.

Action Items: Basin Plan Amendment will be completed for the inclusion of the State Water Board's Water Quality Control Policy for Siting, Design, Operation and Maintenance of Onsite Wastewater Treatment Systems (OWTS Policy) into the Basin Plans within the Central Valley Region.

Time Schedule: Project start date is July 2013. Project is expected to take one year for adoption.

Resource needs: It is anticipated that 0.15 PYs will be adequate to develop the basin plan amendment and see it through the adoption, final approvals, and documentation.

Workplan Task(s) Narrative Description:

Task 1 Public Review

- 1.1 Draft Staff Report
- 1.2 Draft 45-day notice for public review and hearing
- 1.3 Management and Legal Review
- 1.4 Mailout notice to mailing lists for both basin plans, CEQA cities and counties, all the local agencies that might be affected, and the tribal list
- 1.5 Compile and respond to comments
- 1.6 Revise staff report in response to comments for Board meeting

Deliverable: Draft Staff Report for management and legal review **Date:** August 2013
Deliverable: Draft Staff Report for public review **Date:** Nov. 2013
Deliverable: Draft Staff Report for Board meeting **Date:** March 2014

Task 2 Board Hearing and Adoption

- 2.1 Draft agenda package (resolution, buff sheet (executive summary of staff report), comments, response to comments and hearing notice)
- 2.2 Draft presentation
- 2.3 Hold hearing
- 2.4 Finalize Administrative Record
- 2.5 Transmit to State Board

Deliverable: Agenda package **Date:** March 2014
Deliverable: Board meeting **Date:** March 2014

Task 3 State Board Hearing and Approval

- 3.1 Release notice of opportunity to comment
- 3.2 Draft agenda package (agenda language, agenda item and draft resolution)
- 3.3 Compile and respond to comments
- 3.4 Brief State Board members
- 3.5 Hold hearing
- 3.6 Finalize Administrative Record

Deliverable: State Board Hearing **Date:** May 2014

Task 4 Final Approval and Documentation

- 4.1 Transmit record to OAL
- 4.2 DFG Filing Fee and Notice of Decision

Deliverable: Transmission of OAL **Date:** June 2014
Deliverable: Final amendment **Date:** July 2014

Table #6.5.4(a) Update Guidelines for Waste Disposal from Land Developments						
Time Frame: June 2013 through June 2015						
Task #	Task Description	Task Deliverable	PYs	Coordination Commitment	Contract Dollars	Completion Date
1	Public Review	1.1 Draft Staff Report for management and legal review 1.4 Draft Staff Report for public review 1.6 Draft Staff Report for Board meeting	0.075	None	\$0	Aug 2013 Nov 2013 Mar 2014
2	Board Hearing & Adoption	Agenda Package Board Meeting	0.05	None	\$0	Mar 2014 Mar 2014
3	State Board Hearing & Approval	State Board Hearing	0.02	None	\$0	May 2014
4	Final Approval Documentation	Transmission to OAL Final Amendment	0.005	None	\$0	June 2014 July 2014

[Phase 2 - Implementing the Onsite Wastewater Treatment Systems \(OWTS\) Policy](#)

Project Sponsor: Clint Snyder

Project Manager: Eric Rapport, erapport@waterboards.ca.gov

Goals: Effectively implement the OWTS Policy through assistance to local agencies in development of management plans effecting the regulations. The Central Valley Water Board will responsible for approving these local agency management plans or LAMPs.

Objective: Protect water quality from pollution by onsite waste water treatment systems by partnering with local agencies.

Action Items:

- Outreach to local agencies to assist them in development of LAMPs
- Review and approve LAMPs
- Regional Water Board regulation of OWTS in areas not covered by LAMPs

Time Schedule: Time schedule for this work plan is for the period of June 2014 to June 2015. Work to implement the OWTS policy will be required beyond June 2015 and will be presented in a future workplan.

Resources needs: Following amendment of the basin plans, as outlined above, this work will require 1.4 PYs to complete outreach as well as review and approval of LAMPs. Initial work will be outreach that will include staff attendance of approximately

28 (75%) meetings with local agencies to discuss the requirements of LAMPs. This will require approximately 448 hours to complete.

The bulk of the work will be the review and approval of the LAMPs. Staff will have to coordinate reviews of 37 counties LAMPs, of those, 29 are completely within Region 5 boundaries and will be solely responsible for reviewing those LAMPs and co-reviewers of the other eight LAMPs. It is estimated that each review will require approximately 40 hours. An estimated 28 (75%) will require a second review of approximately 16 hours for each. Total time to conduct outreach and complete initial and second reviews of LAMPs is estimated to be 1928 hours or 1.4 PYs. This time excludes formal presentations to the Central Valley Water Board. Staff will propose that the board delegate approval of LAMPs to the Executive Officer after a 30 day public review.

Work plan Task(s) Narrative Description:

Task 1 Outreach

- 1.1 Staff attendance at approximately 28 (75%) meetings with local agencies to discuss the requirements of LAMPs.

Deliverable: Regular updates in EO Reports

Date: On-going

Task 2 LAMPs Review and Approval

- 2.1 Initial review of 37 LAMPs
- 2.2 Second review of 28 LAMPs requiring additional information

Deliverable: Recommendation for EO approval of 37 LAMPs

Date: June 2015

Task 3 Regulation of OWTS not covered by a LAMP

Tasks will be developed following completion of Outreach and LAMP review and approval.

Deliverable: Included in future workplan

Date: 2015-2017

6.5.4(b) Update Guidelines for Waste Disposal from Land Developments – Completed June 2012

Project Sponsor: Rick Moss

Project Manager: Rob Busby, rbusby@waterboards.ca.gov

At the time of approval of the Roadmap, September 2010, the State Water Board's efforts related to Assembly Bill 885 (AB 885) had stalled. The priority given to action 6.5.4(b) was partly based on resources and the need to continue to work on an update to the waste disposal guidelines.

AB 885, creating Section 13291 et. seq. of the California Water Code, legislated statewide minimum 'regulations or standards' (regulations) for onsite sewage treatment systems (including septic systems). AB 885 required the State Water Board to adopt new regulations for discharges from onsite wastewater treatment systems (OWTS).

The approach for all actions in the Roadmap is to leverage resources and coordinate efforts with other agencies or organizations. At the direction of executive management Central Valley Water Board staff participated in the State Water Board's effort.

On 19 June 2012, the State Water Board adopted a Policy for regulation of OWTS Policy. Each Regional Board will be required to update its Basin Plan to be in compliance with the OWTS Policy or adopt policy/guidelines that are as restrictive as the State Water Board policy; and to review and approve all of the local area management plans concerning OWTS in its respective Region. See Action 6.5.4(a) above for tasks to incorporate this policy into the Central Valley Region's basin plans.

6.5.4(c) Develop methods to reduce backlog and increase facilities regulated

Project Sponsor: Andrew Altevogt

Project Manager: Lonnie Wass, lwass@waterboards.ca.gov

This action is a continuation of work that is ongoing from the June 2011 Workplan. Over the last two fiscal years progress has been made on the goal by reduction in backlog of approximately 30%. This workplan includes updated action items and tasks for this workplan period.

Goals: Reduce backlog of existing Waste Discharge Requirements (WDRs) to be updated and new WDRs to be developed.

Objective(s):

- Reduce number of pending applications for new or expanding facilities,
- Decrease the number of unregulated facilities;
- Update WDRs for existing facilities where the orders are old or ineffective.

Action Items:

- Continue to work with the State Water Board to identify and develop state-wide general orders.
- Continue to identify applications for WDRs or old and outdated WDRs that are eligible for coverage under existing general WDRs or waivers;
- Finalize draft process improvement tools including standardized checklists, process flow charts, a decision matrix, and permit templates to assist and improve the efficiency of WDR writers in the review of applications and development of waste discharge requirements;

Time schedule: Time schedule for this workplan is for the period of June 2013 through June 2015

Resource needs: The complexity of developing individual WDRs has increased tremendously. The population growth in Valley communities, growing concern with protecting the water supplies of these communities who often rely solely on groundwater for their water supply, industrial growth often away from communities with the capacity to accept the industrial wastewater into their systems, and competing demand on groundwater resources for supply, has made WDRs more complex through the years.

The Central Valley Region WDR program has a total of 12 personnel years budgeted to work on permitting in the program. It is recognized that additional resources will not be available to assist in continued reduction of the backlog. As a result, this work plan is intended to address the backlog to the greatest extent possible with the current resources through the development of tools designed to process applications and develop WDRs more efficiently.

This issue is not unique to the Central Valley Region. To address this issue on a statewide basis a unit within the State Water Board Division of Water Quality was formed in 2010. In addition, an Executive Management Steering Committee consisting of State Water Board managers and Regional Water Board Executive Officers convened to establish the work plan of this new unit for the coming years. The Central Valley Regional Water Board continuing efforts to address the WDR backlog will be coordinated with, and will capitalize on, the same effort being conducted at the State Water Board through the WDR Unit and the Executive Management Steering Committee.

Workplan Task(s) Narrative Description: The State Water Board or the Regional Water Boards may prescribe general waste discharge requirements for a category of dischargers if all the following criteria apply to the discharges in that category:

- a. The discharges are produced by the same or similar operations.
- b. The discharges involve the same or similar types of waste.
- c. The discharges require the same or similar treatment standards.

- d. The discharges are more appropriately regulated under general requirements than individual requirements.

The State Water Board or the Central Valley Water Board have adopted the following general waste discharge requirements for the land application of waste that are currently available for use in the Central Valley Region:

1. [Waste Discharge Requirements General Order for Dairies with Manure Anaerobic Digester or Co-Digester Facilities](#), Order R5-2010-0130, Adopted on 10 December 2010,
2. [Waste Discharge Requirements, General Order for In-Situ Groundwater Remediation at Sites with Volatile Organic Compounds, Nitrogen Compounds, Perchlorate, Pesticides, Semi-Volatile Compounds, Hexavalent Chromium and/or Petroleum Hydrocarbons](#), Order R5-2008-0149, Adopted on 11 September 2008,
3. [Biosolids - General Waste Discharge Requirements for the Discharge of Biosolids to Land for Use As a Soil Amendment in Agricultural, Silvicultural, Horticultural, and Land Reclamation Activities](#), Order 2004-0012-DWQ, Adopted by the State Water Resources Control Board on 22 July 2004,
4. [General Waste Discharge Requirements For Discharges to Land With a Low Threat to Water Quality](#), Water Quality Order 2003-0003-DWQ, Adopted on 30 April 2003,
5. [Petroleum Cleanup - Land Discharge of Groundwater or Surface Water from Cleanup of Petroleum Pollution](#), Order R5-2003-0044,
6. [General Waste Discharge Requirements for Discharges to Land by Small Domestic Wastewater Treatment Systems](#), Order 97-10-DWQ, Adopted by the State Water Resources Control Board on 18 November 1997 and currently in process of being updated by the State Water Board WDR Unit

The Water Boards may waive waste discharge requirements, or even the applications for waste discharge requirements, for a specific discharge or type of discharge. Waivers must be consistent with the applicable state or regional water quality control plans, must be properly noticed, must be found to be in the public interest, and must be reviewed every five years. Current general waivers available for use in the Central Valley Region are:

- Conditional Waiver of Waste Discharge Requirements for Disaster-Related Wastes During a State of Emergency, [Order R5-2008-0093](#),
- Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands within the Central Valley, Short-term renewal [Order R5-2011-0032](#)
- [Small Food Processors and Small Wineries, Order R5-2009-0097, adopted by the Central Valley Water Board on 8 October 2009](#), (being prepared for renewal in 2014)
- [Specific Types of Discharge within the Central Valley Region](#), Order R5-2008-0182 (Replaces R5-2003-0008), Adopted on 4 December 2008, (being prepared for renewal in 2014) including
 - a. **Air Conditioner, Cooling, And Elevated Temperature Waters**
 - b. **Drilling Muds/Boring Wastes**
 - c. **Disposal of Dredge Material to Land**

- d. **Inert Solid Waste Disposal**
- e. **Test Pumping Of Fresh Water Wells**
- f. **Swimming Pool Discharges**
- g. **Construction - Dewatering Discharges**
- h. **Hydrostatic Testing**
- i. **Agricultural Commodity Wastes**
- j. **Disposal of Residual Waste to Land as a Soil Amendment**
- k. **Water Recycling For Construction Projects And Road Dust Control**
- l. **Small, Short-Term Sand and Gravel Operations**

In order to provide for efficiencies in permitting, developing new general WDRs, developing additional waivers of waste discharge requirements, or expanding the breath of the existing general WDRs allows for a larger number of like industries or discharge types to be permitted with reduced staff resources. Draft process improvement tools will be finalized to assist permit writers in the development of WDRs. If it is not feasible or efficient to develop a general WDR or waiver for a type of discharge, then efficiencies can be achieved by developing individual orders in categories. Much of the orders would be the same. However, differences in individual orders would be incorporated to reflect the uniqueness of the discharge or the site.

If a General Order seems to be the most efficient process given the discharge type, Central Valley Water Board staff will draft a conceptual order and, if appropriate, will present it to the state-wide WDR program (Non-15) roundtable. If, after consultation with the Roundtable, the State Water Board WDR unit, and the Executive Management Steering Committee, it is determined there is a state-wide need for the order, then the order and CEQA review will be drafted for state-wide consideration by the State Water Board. If the order is of interest only to the Central Valley Region, then staff will draft that order for consideration by the Central Valley Water Board.

Concurrent with the work described above, staff will finalize draft process improvement tools to assist permit writers and improve efficiency. Tools drafted over the last two years include standardized checklists for reviewing applications and drafting of WDRs; process flow charts; a decision matrix; and permit (WDR) templates.

Because there are more applications for new or revised WDRs than can be individually written in the planning period of this workplan, staff prioritizes which waste discharge requirements to work on. Factors that must be considered include completeness of applications, threat to water quality, number of like-discharges needing WDRs, and whether a general order or waiver is planned for the type of facility in the foreseeable future.

Task 1 Finalize Draft Process Improvement Tools

- 1.1 Finalize Draft tools
 - 1.1.1 WDR application completeness checklist
 - 1.1.2 WDR processing checklist
 - 1.1.3 Process flow chart
 - 1.1.4 Decision matrix
 - 1.1.5 WDR permit template

Deliverable: checklists, charts, matrix, and template for Executive Management Consideration

Date: October 2014

Task 2 Coordination with State Water Board WDR II Unit

- 2.1 As State Water Board WDR II unit identifies WDR categories they are focusing on, the Central Valley Water Board will provide liaisons for coordination
- 2.2 Through coordination with the State and Central Valley Water Boards, identify General Order, waivers, or like-order type that is specific to Region 5 for development

Deliverable: Quarterly reporting to Executive Management. The Central Valley Water Board staff will report to its executive management in the region; State Water Board or Regional Water Board staff will provide quarterly reports to the combined State and Regional Water Boards executive management steering committee.

Task 3 Ongoing General WDRs, Waiver, or “individual WDRs of a similar type for Development

- 3.1 Identify high priority general or individual WDRs or waiver
- 3.2 Complete CEQA Initial Studies

Deliverable: Status meeting with Program Manager

Date: December 2014

- 3.3 Identify issues and perform anti-degradation analysis of identified discharge

Deliverable: Issues memo and initial study presented to program managers and executive management

Date: September 2014

3.4 Develop Draft Orders

3.4.1 Identify Findings

3.4.2 Determine Effluent Limitations

3.4.3 Identify any Provisions, Time Schedules, and Monitoring Requirements

3.4.4 Define recording and reporting requirements

3.4.5 Identify any Pretreatment Requirements (if applicable)

Deliverable: Draft Order(s)

Date: December 2014

3.5 Identify annual contract needs for California Environmental Quality Act (CEQA) review to support General Order development

Deliverable: Executed contract for CEQA, if necessary

Date: June 2014

3.6 Develop CEQA documentation for Draft General Order

Deliverable: Negative Declaration or EIR

Date: Aug 2014 (if Neg Dec) or Oct 2014 (if EIR)

3.7 Presentation of tentative Orders for Central Valley Water Board Approval

3.7.1 Required Public Notification

3.7.2 Required Discharger Notification

3.7.3 Preparation of Agenda Materials

Deliverable: General Order for Board Consideration

Date: April 2015 (if Neg Dec) or June 2015 (If EIR)

Table #6.5.4(c): Develop methods to reduce backlog and increase facilities regulated

Time Frame: June 2013 through June 2015

Task #	Task Description	Task Deliverable	PYs	Coordination Commitment+	Contract Dollars	Completion Date
1		1.1 Finalize Checklist for Application Completeness review, Checklist for WDR Processing, Process Flow Chart, Decision Matrix, and WDR Template	0.25	0.1		Oct 2014
2	Coordination with State Water Board WDR II Unit	4.0 Quarterly Reporting to Executive Management	0.25	0.25		Quarterly through June 2015
3	General Order or "Like" –order type Development	3.1 Status meeting Program Manager	0.2			Dec 2014
		3.3 Issues memo and Initial Study Presented to Program Manager and Exec. Management	0.4	0.2		Sept 2014
		3.4 Draft Orders	0.6	0.2		Dec 2014
		3.5 Executed contract for CEQA, if needed	0.4	0.1		June 2014
		3.7 Neg Dec or EIR	0.2	01		Aug 2014 Oct 2014
		3.7 General Orders for Board Consideration	0.4	0.1		April 2015- June 2015

+Recognizes the need for coordination with the State Water Board, particularly its WDR II unit

6.5.4(d) Actively coordinate with State Water Board on development of statewide ASR policy guidance – Completed September 2012

Project Sponsor: Rick Moss

Project Manager: Rob Busby, rbusby@waterboards.ca.gov

Goal: To develop a statewide approach for Aquifer Storage and Recovery (ASR) projects through coordination with DWR and the State Water Board.

Objective: To provide statewide consistency for permitting of ASR projects.

Action Items: Commit resources for staff participation in development of a statewide approach for permitting ASR projects.

Background:

An information item on ASR projects presented at the April 2008 Central Valley Water Board Meeting solicited Board input on regulation of ASR projects. During that meeting, the Central Valley Water Board suggested implementation of a non-regulatory approach to condition and control ASR Projects. A Unified Statewide ASR program would be developed through a collaborative effort of the State and Regional Water Boards, DWR, CDPH, and USEPA. As long as a project proponent followed the guidelines, the Water Board would not impose additional conditions through a waiver or waste discharge requirements. At the time the Groundwater Quality Protection Strategy for the Central Valley Region, a Roadmap was finalized it was anticipated that the State Water Board would take the lead on this project. Therefore it was identified as a medium priority and was not included in the 2011 Workplan.

In 2012 the State Water Board working with the Regional Water Boards prepared an Initial Study and Notice of Proposed Mitigated Negative Declaration (State Clearing House No. 2012082055 and circulated these for public review on 13 August 2012. After considering comments received on the Initial Study, the State Water Board determined based on the reasons specified in the Initial Study that the proposed project, the adoption of the General Order, will have a less than significant effect on the environment and will not result in significant cumulative impact; and that specific requirements in the General Order will mitigate any potential adverse impacts.

To streamline the permitting process and to ensure consistent requirements, the State Water Board adopted on 19 September 2012, general waste discharge requirements for ASR projects that inject treated drinking water into aquifers. The general waste discharge requirements require that water injected into an aquifer meet drinking water standards and not cause groundwater to violate any water quality objectives in the applicable Water Quality Control Plan.

The general waste discharge requirements are available for use by the Regional Water Quality Control Boards for permitting ASR projects that meet the criteria provided in the waste discharge requirements. The board's executive officer is authorized to enroll ASR projects under the waste discharge.