

**California Regional Water Quality Control Board
Central Valley Region**

6/7 December 2001

ITEM: 3
SUBJECT: **Executive Officer's Report**

DISCUSSION:

WATERSHED ACTIVITIES

General NPDES Permit for Aquatic Pesticides

In July, the State Board adopted a general NPDES permit for discharges of aquatic pesticides to waters of the United States. This has prompted numerous requests of staff for briefings on the requirements of the permit. From late September through early November, staff in the Sacramento and Fresno offices have made 9 presentations on this permit at meetings ranging from Colusa County in the north to Tulare County in the south. Most of the attendees are irrigation district staff and pest control advisors. So far, we have received about 30 NOIs from dischargers in the Region who want coverage under this permit, and staff has already held several meetings with individual agencies regarding the required water quality monitoring. (RJS)

Meetings on Dairy CEQA Issues

On 18 and 23 October 2001 staff attended round table discussions hosted by the Governor's Office of Planning and Research (OPR) in Willows and Merced, respectively, regarding land use issues related to dairies. Also present were representatives from: Fresno, Glenn, Kings, Merced, Stanislaus, Sutter, and Tulare Counties; SWRCB; CDFA; UC Davis; and the Western United Dairymen. The discussions were in response to growing concerns among local governments on how to appropriately meet CEQA requirements when siting new dairies or reviewing the expansion of existing dairies. (PAL)

Grant Funding for Counties to Conduct CEQA for Dairies

On 25 October 2001 staff attended a discussion held regarding the Water Bond 2000 County Ordinance Grants Program. Also present were representatives from: Glenn, Kern, Kings, Madera, Merced, and Tulare Counties; OPR; CDFA; SWRCB; and the Western United Dairymen.

SWRCB staff hosted the discussion which provided an overview of the process and program implementation for the \$5 million grant funding available to Counties for development of ordinance programs, regulations, and elements of their General Plan, including environmental reviews required by CEQA, for the permitting and operation of animal feeding operations. Counties that have applied for this grant funding include Kings, Madera, Merced, and Tulare Counties. Sacramento staff will meet with individual counties that have not applied for this grant funding to determine their dairy permitting process and to encourage them to take advantage of the grant funding available. (PAL)

Use of Coal Ash at Dairies

On 29 October, staff attended a tour by Airproducts, Inc., Stockton of their power generating plant and a tour of dairies where coal ash is being used to line corrals, manure storage areas, composting areas and feed storage areas. The coal ash appears to significantly reduce infiltration of manure and feed constituents into underlying soils and groundwater. In attendance from the State Board was Art Baggett; from the Integrated Waste Management Board, Michael Papanian; and from Regional Board staff, Louis Pratt. (LFP)

Surface Water Monitoring in the San Joaquin River Basin

The second year of the Surface Water Ambient Monitoring Program (SWAMP) began on October 1st. Under the program, staff collects data for numerous parameters at over 50 sites within the San Joaquin River Basin. With data evaluation of Water Year 2001 underway, we have revised the second year's program to include expanded monitoring in Cosumnes, Mokelumne, and Calaveras watersheds as well as initiating bacteria monitoring (once equipment is available). All monitoring conducted for this program is being coordinated with existing programs operated by local, state, and federal agencies, including internal programs such as TMDL and Ag Regulatory. (CSD)

San Joaquin River Fish Kill, San Joaquin County

On 16 October 2001 the Department of Fish and Game reported a large fish kill in the San Joaquin River. They estimated 10,000 threadfin shad and some catfish were killed over approximately a 7 mile area extending from the Banta Carbona Irrigation District intakes to about 1 mile below Mossdale. No salmon were reported killed. Several Board staff worked to help investigate the cause of the incident. Possible sources included agricultural drainage, dairy discharges and the Manteca wastewater treatment plant. No source was identified as being solely responsible for the event. Staff will continue to evaluate the situation if new information becomes available. (PHL).

Intensive Watershed Training

Abigail Smith participated in a CalFed's Watershed Partnership Training. The two-week intensive training focused on scientific and instructional classes related to working with watershed groups and understanding watershed processes. The training was organized and facilitated by the Sacramento River Watershed Program, the Western Management Development Center, and the American Foundation. Participants represented agencies, environmental organizations and watershed groups from both northern and southern California.

Organophosphorus Pesticides Monitoring Study in Sacramento County Urban Watersheds During the 2001 Orchard Dormant Spray Season

A Sacramento County Urban Creeks monitoring study was conducted by Sacramento River Watershed TMDL Unit staff and completed during the 2001 orchard dormant spray season storm events. The purposes included: gathering information on background organophosphorus pesticide (OP) concentrations, assessing OP pesticide concentrations in rain, as well as relative loadings from non-urban and urban runoff. The three watersheds of interest in this study, Morrison Creek, Elder Creek and Elk Grove Creek, are located east of the Sacramento River between the American River to the north and Cosumnes River to the south and range in area from 6-110 square miles. The rainfall monitoring stations are located from Lincoln Airport to the north, Arcade Creek at Greenback Lane at mid-transect, and Herald Fire Department to the south. The Sacramento Stormwater Agencies and the Sacramento Regional County Sanitation District provided funding for laboratory services associated with sample collections during this study and CVRWQCB/Sacramento River Pesticides TMDL Unit staff prepared an associated report entitled "Concentrations of Organophosphorus Pesticides in Sacramento Area Rainwater and Streams during the 2001 Orchard Dormant Spray Season". This report is projected for release in late November to early December and it will also be posted on the CVRWQCB web site. (JK)

Staff Meets with the Forest Service to Discuss Graywater MOU.

On 6 September 2001, the Board adopted Resolution 5-01-211 authorizing the Executive Officer to enter into an MOU with the Forest Service to eliminate graywater discharges from houseboats to Shasta Lake. On 13 November, Redding office staff met with the Forest Service to discuss the draft MOU. The Forest Service is committed to finalizing the MOU and is reviewing our draft and intends to submit written comments by the end of January. (KLC)

Staff Help Fresno River Cleanup, Madera County

A number of the Fresno office staff participated in a Saturday cleanup of the Fresno River in Madera. Funded by a grant involving Madera County Health Dept., the Department of Water Resources and the Madera Community College Center, the cleanup will lead to a Fresno River trail and bike system along the river. Tons of trash including over 200 tires and numerous shopping carts were removed with the aid of approximately 200 men, women and children assisting with wagons, tractors, jeeps, and industrial dumpsters. Free lunch, t-shirts, and entertainment for the workers with a free bike awarded to the child with the winning poster entry, was held at the Courthouse Park afterward. (SRG)

ENFORCEMENT***One Stop Service Station, Red Bluff, Tehama County***

The Executive Officer issued a Cleanup and Abatement Order to Nella Oil Company and Mr. Kuldip Khinda requiring clean up petroleum waste from leaking underground storage tanks, and associated product lines and dispensers. Leakage has polluted ground water with gasoline components including Benzene and fuel oxygenates such as MtBE. The gas station was operated with five USTs since the 1930s. Nella Oil owned and operated the site beginning in 1982. During a 1986 removal of two USTs free gasoline product was discovered in soil and ground water. A remediation system was installed in 1994, the remaining tanks were lined with fiberglass in 1995, and the facility was sold to Mr. Khinda in 1996. Shortly thereafter fuel oxygenate concentrations rose sharply in monitoring wells, prompting staff to request an Interim Corrective Action Plan in part to locate leaks. Subsequent excavation revealed leaks from flaws in the fiberglass tank linings and dispensers. Gasoline constituents extend off-site threatening a nearby municipal well. The remediation system installed by Nella Oil will not effectively treat fuel oxygenates and requires modification. The Order requires additional off-site investigation and upgrades to the remediation system. (EJR)

Administrative Civil Liability Complaint Issued to the City of Ione's Tertiary Treatment Plant, Amador County

On 9 July 2001, the Board issued Cleanup and Abatement (C&A) Order No. 5-01-716, for the City of Ione's tertiary treatment plant sludge handling facility. The C&A Order required the City to prepare several technical reports regarding improvements to its sludge handling, drying, and disposal. The City failed to submit the first two technical reports by the due dates specified in the C&A, and was subsequently issued a Notice of Violation for the overdue reports. The Discharger still failed to submit the required reports, and on 10 October 2001, the Executive Officer issued an ACLC to the Discharger in the amount of \$15,000 for the overdue technical reports. The Discharger is in the process of negotiating a settlement. (ASB)

Cleanup and Abatement Order Issued to Murphys Sanitation District Wastewater Treatment Plant, Calaveras County

The Murphys Sanitation District (MSD) operates a domestic wastewater treatment plant; wastewater is piped to Kautz Vineyards for disposal by irrigation of vineyards and apple orchards. The WDRs were recently updated, and required MSD to submit a Title 22 Engineering Report for the use of recycled wastewater. The Department of Health Services reviewed the Title 22 report, and determined that MSD is not meeting Title 22 requirements for the use of recycled water. On 30 October 2001, the Executive Officer issued a C&A Order requiring the Discharger to make all necessary improvement and/or upgrades to the wastewater treatment plant to meet Title 22 requirements prior to sending effluent to Kautz Vineyards next irrigation season. (JSK)

Cleanup and Abatement Order Issued to the City of Angels Wastewater Treatment Plant, Calaveras County

The City of Angels operates a domestic wastewater treatment plant (WWTP) in Angels Camp, Calaveras County. The City is currently in the process of upgrading and expanding the facility. As part of this, the City shut down the existing WWTP and constructed a temporary plant in the existing equalization basin located on site. The temporary plant went on line on 29 August 2001. Approximately four days later, City staff observed that seepage was occurring from the equalization basin and entering the adjacent Six Mile Creek at an approximate rate of two to five gallons per minute. There are a number of other problems with the wastewater treatment and disposal system, including failure to meet effluent limits, insufficient storage capacity, odor complaints, and overflows of wastewater from the spray disposal fields. On 5 October 2001, the Executive Officer issued a C&A Order requiring the Discharger to develop and implement a plan to stop the seepage into Six Mile Creek, develop and implement a plan to increase the storage capacity of the effluent storage pond, and implement a plan to manage the spray irrigation field. (JSK)

Cleanup and Abatement Order Issued to Yosemite Vista Estates, Tuolumne County

Novasel Schwarte Investment Inc. owns, and Yosemite Vista Estates Mutual Water and Sanitation Company operates, a wastewater system that serves Yosemite Vista Estates, a 28-acre residential subdivision currently containing approximately 50 units. A water balance prepared for the system indicated that the current storage and disposal capacity is inadequate to meet the design criteria of the recently updated WDRs. After submittal by the Discharger of a Long-Term Facility Plan and consultation with the Discharger, the Executive Officer issued a Cleanup and Abatement Order which prescribes tasks and a schedule to assure the necessary steps are taken to come into compliance with the WDRs within a reasonable time frame. (JRM)

13267 Letter Requesting A Complete Report of Waste Discharge, City of Ione's Secondary Wastewater Treatment Plant, Amador County

The City of Ione operates a secondary wastewater treatment plant (WWTP), which is located adjacent to Sutter Creek. Wastewater disposal is achieved through two percolation ponds. Staff recently received a Report of Waste Discharge (RWD) from the City describing the proposed construction of an additional percolation pond; however, staff discovered during recent site inspections that the City has already constructed and is already using the third pond. Staff's review of the RWD shows that it is incomplete because it does not show whether there will be groundwater impacts from the additional percolation pond. Staff are already concerned about groundwater and surface water in the vicinity of the WWTP because seepage has been observed along the southern bank of Sutter Creek, suggesting that the City's percolation ponds may indirectly discharge wastewater to Sutter Creek. A letter was issued, pursuant to Section 13267 of the California Water Code, requiring that the City submit a monitoring well installation workplan and a conceptual model that determines the maximum lateral spread of the wastewater from the percolation ponds to the first encountered groundwater. (ASB)

Discharge of Industrial Wastewater without Waste Discharge Requirements, Sutter Home Winery, San Joaquin County

On 22 August 2001, staff inspected the Sutter Home Winery in Lodi. Staff discovered that the winery is in operation and discharging industrial wastewater to aerated wastewater treatment ponds prior to land application. On 4 October 2001, the Executive Officer signed a letter requiring, pursuant to Section 13267 of the California Water Code, that Sutter Home Winery submit a Report of Waste Discharge, a Groundwater Monitoring Workplan, an Operation and Maintenance Plan, and a

Cropping Plan. Staff subsequently met with the Discharger and was assured that the information would be submitted in mid-November. (TRO)

Greendale Dairy, San Joaquin County

On 11 October 2001, a Stipulation for Final Judgment and a Permanent Injunction were ordered by San Joaquin Superior Court Judge Carter Holly in the matter of: The People of the State of California vs. Gerald C. Van Egmond, Greendale Dairy. This action was taken as a result of the dairy's 13 November 2000 and 29 January 2001 discharges of wastewater into a tributary to Jahant Slough. The amount of the fine was \$14,940, of which \$7,500 was stayed on condition that each of the following terms is met: a) that no off property discharge of dairy waste occurs, and b) that no discharge of dairy waste is placed where it may pass into waters of the state. The remainder was paid to San Joaquin County, the Department of Fish and Game, and the Regional Board for partial payment of costs. (RJM)

Bar C-E Dairy, San Joaquin County

On 11 October 2001, a Stipulation of Final Judgment and a Permanent Injunction were ordered by San Joaquin Superior Court Judge Carter Holly in the matter of: The People of the State of California vs. Connie Van Vliet, dba Bar C-E Dairy. This action was taken as a result of the dairy's 30 January 1998 and 15 September 1998 discharges of wastewater into a roadside ditch along Hwy 120 and subsequently into the Campbell Drain, a tributary to Lone Tree Creek. The amount of the fine was \$30,712, of which \$15,000 was paid in improvements. An amount of \$10,500 was stayed on condition that each of the following terms is met: a) that no off property discharge of dairy waste occurs, and b) that no discharge of dairy waste is placed where it may pass into water of the state. The remainder was paid to San Joaquin County and the Department of Fish and Game for partial payment of costs.

SPILLS

Sewage Spill, City of Stockton, San Joaquin County

On 26 October 2001, Stockton Municipal Utilities Department (MUD) personnel reported that raw sewage was flowing from a stormwater outfall into the Deep Water Ship Channel. The outfall is located at Weber's Point in downtown Stockton near the intersection of Weber Avenue and Center Street. MUD personnel determined the sewage was from a broken sewer line that was entering the stormwater system. The outfall was plugged and the source of the leak was investigated. The City has determined the leak is from a damaged 8-inch sewer line along Weber Avenue. MUD personnel have cleaned the stormwater line and are in the process of obtaining a contractor to replace the damaged sewer line. The 8-inch sewer line that was leaking is estimated to carry a flow rate of 161 gallons per minute (gpm). However, the City estimated flow out of the stormwater outfall to be only 3 to 4 gpm, and therefore estimated the discharge to be 10,080 gallons. The actual amount of discharge, flow rate and duration is unknown. Staff is investigating the spill and has yet to determine if any enforcement action will be forthcoming. (JDM).

Williams Tank Lines Spill, Lake County

On 8 October 2001, a traffic accident involving a William's Tank Lines, Inc. truck and another vehicle caused an approximately 3000-gallon gasoline spill along Highway 29 near Lakeport. Emergency soil removal action was conducted from 10 October to 20 October 2001. Approximately 2,858 tons of impacted soil was removed. There are several domestic wells within several hundred feet of the spill site. A spring and a domestic well downgradient of the spill site have been impacted. Monitoring/extraction wells are being installed at the edge of the excavation and between the spill site and the downgradient domestic wells. Contingent on monitoring results, ground water cleanup is proposed to begin the first week of December. (ST)

Sewer Spill, City of Sutter Creek, Amador County

On 2 October 2001, City of Sutter Creek personnel discovered that a four-foot section of sewer line that crosses the Gopher Gulch stormwater channel was missing. Raw sewage from the damaged sewer pipe was discharged into the stormwater channel, which in turn discharges to Sutter Creek. It is not known when the sewer line actually failed or the total amount of sewage spilled. The sewer line provides service to four residential homes in the area. The City has repaired the sewer line. The City is currently under a Cleanup and Abatement Order to investigate and manage its wastewater collection system. (ASB)

Sewer Spill, Lake Camanche North Shore Recreation Area, Amador County

On 17 September 2001, an estimated 7,000 gallons of sewage overflowed the collection system when a temporary repair on a manhole failed. The sewage was discharged to an adjacent construction trench, which contained the spill. The collection system is operated by East Bay Municipal Utility District who responded to the spill and repaired the damaged manhole and sewer line. The spilled sewage was removed from the trench using a septic hauler truck and transported to Camanche North

Shore wastewater treatment plant for disposal. The sewer line was returned to service and the area around the manhole was cleaned. The District plans to replace the entire section of sewer line the near future. An NOV was issued to the Discharger. (ASB)

Sewer Spill, Mule Creek State Prison, Amador County

On 8 October 2001, approximately 33,000 gallons of raw sewage overflowed from a sewer manhole at the Mule Creek State Prison and was discharged to an adjacent storm drain culvert, which is connected to Mule Creek. It is estimated that approximately 8,000 gallons of raw sewage entered Mule Creek. Mule Creek State Prison personnel responded to the spill, closed the storm drain containment gates and cleared the plugged sewer line. The cause of the plugged sewer line was reported to be an accumulation of debris and plastic bags. An NOV was issued to the Discharger. (ASB)

Sewage Spill from Pacific Gas and Electric Company, Helms Housing and Supporting Facility, Fresno County

On 22 October 2001, PG&E spilled about 300 gallons of septic tank effluent from a break in the pipeline from its septic tank to leachfield. The break occurred in a section of pipeline under an asphalt-paved area. The break caused wastewater to emerge from a crack between a building's concrete foundation and the asphalt paving. The spilled sewage percolated into soil and did not reach nearby Long Meadow Creek. PG&E repaired the broken section of pipeline on 24 October. (RAS)

Sewage Spill from City of Arvin WWTF, Kern County

On 6 November, about 1,000 gallons of effluent spilled from the Arvin wastewater treatment facility from a break in an effluent distribution pipeline in the City's Use Area. While most of the spill was contained within the Use Area, some effluent spilled onto nearby vineyard. The City pumped standing effluent to other portions of the Use Area and sprayed a chlorine solution on soils within the affected portion of the vineyard. The City repaired the break later that day. (JLK)

LAND DISPOSAL

City of Livingston to Upgrade Treatment Plant, Merced County

The City of Livingston in August submitted a Draft Facility Plan to upgrade its Industrial Wastewater Treatment Plant (IWWTP) to address the cause of groundwater pollution beneath the Plant. Data from monitoring wells reveals that percolate from the Plant has a created plume with total nitrogen in groundwater well over the drinking water standard of 10 mg/L. The City proposes a biological nitrogen removal (BNR) treatment system to reduce the estimated 80 mg/L total nitrogen in its wastewater to below 10 mg/L at a preliminary estimated cost of \$17.2 million.

Atwater Sludge Disposal Contributing To Groundwater Pollution, Merced County

The City of Atwater's injection of unstabilized municipal sludge into soils within its 53-acre sludge disposal site adjacent to the City's Bert Crane Road Landfill appears to be a source of pollution. Staff review of City monitoring data (sludge application rates, soil nitrogen content, groundwater quality) indicates the City applied excess sludge. Concentrations of nitrate-nitrogen in monitoring wells encircling the site range from 18 to 260 mg/L, which exceeds the State's drinking water MCL for nitrate (i.e., 10 mg/L as N). Groundwater conductivity ranges from 1,005 to 2,868 μ mhos/cm, which threatens to effect future agricultural uses. A 2,000-head dairy near the sludge disposal site may be contributing to the pollution. Staff rejected a City request to inject additional sludge and issued a Notice of Violation (NOV). The NOV requires the City to re-evaluate its sludge application rate calculations and to investigate groundwater at the sludge disposal site. (ARP)

Chevron's Study Questioned, Kern County

Chevron USA Production Company is searching for wastewater disposal alternatives for their current volume of 45,000 barrels per day with proposed increases up to 150,000 barrels per day, including a new pond site for disposal of its produced water from the Lost Hills Oilfield area. Chevron's consultant submitted a hydrogeologic site characterization for a new pond location. The study included groundwater modeling supplemented by data from continuous cores and geophysical logs from several boreholes, supplemented by geophysical logs from numerous oil wells in the proximity of the site. Staff's review of the data concluded that the investigation failed to demonstrate that wastewater discharged at the proposed location would not impact useable groundwater in the San Joaquin Valley to the east. Chevron will be continuing to work with the staff regarding site selection. (SRG)

AERA Investigation Proceeds, Kern County

AERA Energy LLC submitted a hydrogeologic site characterization study for a new pond location in the Belridge Oilfield. The study included groundwater modeling supplemented by data from continuous cores from several 600' boreholes, and geophysical logs from hundreds of oil wells in the proximity of the site. Staff's review of the data concluded that the report provided a geologic interpretation of the study area that appears favorable for location of a new disposal site. AERA will be submitting the final site location and results of a disposal feasibility study soon. (SRG)

Delinquent Reports, Laird Park County Honor Farm, Stanislaus County

On 4 October 2001, staff issued a Notice of Violation to Stanislaus County Parks and Recreation Department. The County failed to submit three technical reports required by its updated WDRs, which were adopted by the Board on 26 January 2001. In addition, the County failed to implement the new MRP. Subsequently, the County retained a consultant to prepare the technical reports and assist them in implementing the MRP. (ALO)

Illegal Industrial Wastewater Discharge, Chatfield Winery and East-Side Winery, San Joaquin County

On 14 August 2001 as a result of a citizen complaint, staff inspected the site of a winery wastewater spill adjacent to the bank of the Mokelumne River and discovered a spill had occurred. No indication of wastewater entering the Mokelumne River was observed. This was the second observed spill at the site; a previous spill event had been identified on 8 May 2001. East-Side Winery and Chatfield Winery were found to be discharging industrial wastewater to the spill area. A temporary repair of a leaking pipe performed by East-Side Winery was vandalized; Chatfield Winery had failed to cease the discharge. On 14 August 2001 staff contacted each of the dischargers and described the spill. On 23 August 2001 Orders for Technical Reports pursuant to Section 13267 of the California Water Code were sent by Certified Mail. Chatfield Winery failed to pick up the Certified Mail and their Order of Technical Report was delivered by legal process service. On 14 August 2001 East-Side Winery excavated the leaking pipe and grouted it with a concrete plug. East-Side Winery's repair was documented in a 7 September 2001 report. On 1 November 2001 Chatfield winery submitted a technical report certifying the discharge to the spill site has been halted. (TRO)

SITE REMEDIATION***Horse Manure Near Stream, Pine Mountain Club, Kern County***

Last June, staff investigated a complaint against Pine Mountain Club near Frazier Park concerning a pile of horse manure adjacent to an unnamed ephemeral stream. Staff requested the waste be removed. Kern County Environmental Health took the lead in overseeing the remediation. Pine Mountain Club recently reported that the manure has been moved 20 feet from the stream and approximately 30 roll-off bins have been removed to date from the area. Approximately 150 more roll-off bins need to be removed. Staff will continue to monitor progress. (ALT)

Mack Sylver Groundwater Remediation Plan Awaiting Decision

A groundwater remediation plan has been accepted by the insurance carrier regarding the AGT site in Tulare, California. Up to 3 feet of free product remains in groundwater beneath the site. The insurance company proposed a one-time-only offer to fund the remediation plan and is awaiting a decision by the Discharger. Previous efforts to have the Discharger implement a remediation program have met with limited success. (SRG)

Cleanup at Sunland Oil (World Oil) Expands, Kern County

World Oil recently installed three new remediation wells in the core of the petroleum hydrocarbon groundwater plume. Two additional sidegradient monitoring wells were installed in the northern plume area. The new air sparge/vapor extraction wells will be incorporated in an optimization study of the existing remediation system at the site. The workplan for this study is under RWQCB review. It is hoped that remediation system optimization will increase the already substantial rate of hydrocarbon removal (over 100,000 pounds/month). The remediation system has removed over 2 million pounds of petroleum hydrocarbons as soil vapor since startup in 1996. (BEM)

Deep Air Sparging Promising at Chevron Refinery, Kern County

The former Chevron Bakersfield Refinery operated from the early 1900's to 1986. Petroleum hydrocarbons were released to groundwater, currently at a depth of approximately 250 feet below grade. However, groundwater elevation has fluctuated over 250 feet over the life of the facility. Because of these fluctuations, recent investigations have defined a dissolved-phase hydrocarbon "smear zone" thickness of approximately 100 feet, to a depth of 350 feet below grade. Air sparge testing was also conducted during the investigation to determine the effectiveness of sparge points installed over 50 feet beneath the groundwater surface. Zone of influence results were favorable, suggesting limited potential for air sparge barriers or preferential flow paths and that deeper sparge points could effectively cleanup the thick dissolved phase plume. The existing vapor extraction/air sparge remediation system at the site has removed over 5 million pounds of petroleum hydrocarbons since installation in 1986. (BEM)

Contracts Move Forward at Glennville Shopping Center, Water Supply Feasibility Study, Glennville, Kern County

Property owners in Water Source Area 1, which is located east of Glennville, have signed right of entry agreements. The hydrologic/geologic reconnaissance of Water Source Area 1 has been completed, and three test well drilling locations have been selected. Purchase/Option Agreements have been submitted to the landowners in Water Source Area 1. These

agreements must be in-place before test hole drilling and pumping analysis can be conducted. Negotiations with the landowners regarding the Purchase/Option Agreements are in progress. A preliminary environmental analysis has found no significant issues that would endanger the construction of the community water system. Draft reports for funding alternatives and water entity alternatives have been submitted. Preliminarily, a recommendation has been made to operate the new water delivery system under a joint-powers agreement with the existing Linns Court Mutual Water Company. Currently, initial contacts are being made with the Linns Court Mutual Water Company to determine if this is a viable option.

UST Investigation and Removal

On 5 September 2001, a notice of contract award for the Glennville Underground Storage Tank Investigation and Removal (IFB No. 79150-64) was given to Bryan A. Stirrat & Associates, whose low bid was \$77,206.15. State Board is preparing contracts for signature. The anticipated work start date is 1 December 2001. (GJI)

Pump and Treatment of MTBE Begins at Bakersfield Refining, Kern County

Multiple source spills at the Bakersfield Refining Company in Bakersfield, Kern County, have resulted in the release of MTBE to soil and groundwater. Equilon has installed numerous on-site and off-site groundwater monitoring wells and has defined the lateral extent of the plume of degradation. Several downgradient supply wells have been affected and have been shut down. These wells are currently scheduled for destruction. Equilon has extended city water supply lines to provide water for the users of the affected supply wells. Interim remediation includes a vapor extraction system that has been operating at the source areas on the refinery and on the adjacent bulk sales terminal. More recently, two interim remedial pump and treat systems using granular activated carbon (GAC) and biologically enhanced GAC technology have been installed to preclude further off-site migration of the plume. Equilon plans to increase extraction flow rates in the near future. (AM)

Gary M. Carlton
Executive Officer
6/7 December 2001

Addenda that follow:

1. Personnel and Administration
2. Public Outreach
3. Completed Site Cleanups (DOD/SLIC)
4. Completed Site Cleanups (UST)
5. Report of Violations

Addendum 1

PERSONNEL AND ADMINISTRATION

In Redding –

New Hires

Katie Bowman, Water Resources Control Engineer

In Sacramento –

Promotions

Janice Tanaka, Executive Secretary II

New Hires

Catherine Graham, Environmental Specialist I

Catherine began work with the San Joaquin Watershed Unit in late October. She will be using her background in environmental science (from Northern Arizona University) and as a water treatment specialist (U.S. Army) to help us develop a bacteria and pathogen monitoring program in coordination with local stakeholders, citizen monitoring groups, and other interested parties.

Stephanie Young, Water Resources Control Engineer

Scott Mills, Office Assistant

Addendum 2

PUBLIC OUTREACH

On 19 September, Pam Buford attended the Panoche/Silver Creek CRMP steering committee meeting.

On 20 September, Phil Crader participated in the Grassland Bypass Project Data Collection and Reporting Team meeting held by the US Bureau of Reclamation to conclude discussion of revisions to the Phase II monitoring program. The Phase II monitoring program applies from October 2001 to December 2009. The Grassland Bypass Project Water Year 2000 Annual Report was also discussed. Other agencies represented included US Fish and Wildlife Service, US Geological Survey, San Francisco Estuary Institute, Grassland Area Farmers, and Block Environmental.

On 24 September, Pam Buford met with Kern County Neighbors Foundation for Quality Air, Water and Growth and representatives of California State University Bakersfield to develop a partnership for citizen's monitoring in cooperation with students from the college.

On 26 September, Pam Buford attended the Central Sierra Watershed Committee meeting.

On 26 September, Janis Cook and Patrick Morris attended a meeting hosted by the US Army Corp of Engineers regarding a wetlands restoration project along Middle Creek, a tributary to Clear Lake. The group discussed recent mercury studies and the effect of wetlands on methylmercury production.

In October, Abigail Smith attended the San Francisco Estuary Program's 5th Biennial State of the Estuary Conference. The three-day conference addressed a variety of restoration efforts and scientific studies taking place throughout the San Francisco Estuary including presentations on the Delta and San Joaquin Valley. The poster session included 176 posters of research studies and restoration projects taking place throughout northern California. The San Francisco Estuary Project made abstracts for the presentations and poster sessions available to conference participants.

On 3 October, Mark Gowdy attended the monthly San Joaquin River Dissolved Oxygen TMDL Stakeholder Steering Committee meeting. Discussion topics included: preliminary draft of the Steering Committee's Plan of Action for development of the TMDL implementation plan; 2002 CalFed Directed Action Proposal for Implementation Studies; and update on status of current year CALFED funded research studies.

On 4 October, Dennis Heiman (R5) attended a meeting of northern Sacramento River watershed groups and toured planned and completed restoration activities on Battle Creek.

On 4 October, Lori Webber attended a meeting of the Monitoring Committee of the Yuba Watershed Council. The group discussed Prop 204-funded monitoring efforts in the Yuba Watershed.

On 5 October, Anthony Toto and Matt Scroggins attended a meeting at Panoche Drainage District to discuss Grassland Integrated Drainage management Program and toured the area proposed for the project.

On 9 October, Chris Foe and Mark Gowdy attended a San Joaquin River Dissolved Oxygen TMDL Technical Advisory Committee meeting. Detailed discussions were held on status of 2001 studies, format and scope of the 2000 and 2001 studies' science peer review and contracting difficulties experienced by principal investigators.

On 9 October and 8 November, Janis Cooke participated in meetings of the Delta Tributaries Mercury Council Strategic Planning Workgroup. The group is putting together a strategic plan addressing sources, loads, and general remediation options for mercury for the Sacramento River Watershed Program.

On 9-11 October, Mary Menconi and Abigail Smith, along with other scientists and regulators, attended the San Francisco Bay and Estuary Biannual Meeting. Many topics focused on the Sacramento-San Joaquin Delta, including pesticide monitoring and sediment loading.

On 10 October, Patrick Morris met with the Abandoned Mine Lands inter-agency workgroup. The attendees reviewed mine site investigation activities, discussed potential mine site cleanups in the Sierras, and planned a mercury conference for the public in November.

On 11 October, Karen Larsen participated in the Sacramento River Watershed Program (SRWP) Communications Strategy Workgroup meeting. The group discussed hosting a workshop to facilitate collaboration among local watershed groups.

On 12 October, Michelle McGraw and Kelly Briggs participated in an SRWP OP Focus Group grant project coordination meeting. Members of the OP Focus Group have successfully acquired four grants to implement the OP Focus Group's Water Quality Management Strategy for Diazinon and regular meetings have been planned to insure coordination, and partnership among the grant recipients.

On 15 October, Karen Larsen participated in the SRWP Public Outreach and Education Subcommittee meeting. The group discussed the program's transition to a not-for-profit organization and allocation of the education mini-grant funds.

On 16 October and 15 November, Jim Barton attended the Local Redevelopment Authority (LRA) meeting for the Former Rio Vista Army Reserve Center at the City Hall in Rio Vista. The Army intends to issue the draft No Further Action – Record of Decision/Remedial Action Plan (NFA ROD/RAP) to the agencies by 2 November 2001. The thirty-day public review process for this NFA document is scheduled to begin on 3 December 2001, with regulatory concurrence scheduled for 14 January 2002. A locally televised public meeting regarding this document is scheduled for 11 December 2001 in Rio Vista.

On 16 October, Guy Chetelat (R5) participated in a discussion of mercury occurrence at dredge and hydraulic mine sites during a public meeting of Delta Tributaries Mercury Council.

On 16 October, Dennis Heiman (R5) met with the Central Modoc RCD to review status of their Upper Pit River Watershed Enhancement Program.

On 16 and 17 October, Patrick Morris attended a meeting of the Delta Tributaries Mercury Council and a tour of inactive gold mining sites in the Sierra Mountains. The tour focused on mines with mercury contamination that may be sites for future remediation projects.

On 17 October, Kelly Briggs and Michelle McGraw went on a site reconnaissance to locate potential almond orchard demonstration sites for the Proposition 13 grant acquired by the OP Focus Group. Regional Board staff will be the contract managers once in place.

On 17 October, Pam Buford attended the Panoche/Silver Creek CRMP steering committee meeting.

On 17 October, Pam Buford met with Steven Haze, newly appointed coordinator for the Millerton Area Watershed Coalition to discuss watershed plan development and potential grant funding sources.

On 18 October, Dennis Heiman (R5) attended the meeting of the Lake Almanor Water Quality Committee to discuss possible future grant funding.

On 18 October, Lori Webber attended the first meeting of the Morrison Creek Coordinated Resource Management Plan (CRMP) group. The group discussed organization, short term and long term plans.

On 18 October, Jo Anne Kipps discussed regulatory issues for the discharge to land of food-processing waste at a utilities management seminar sponsored by Nalco Chemical Company in Fresno.

On 18 October, Doug Patteson gave a presentation regarding the Statewide NPDES Permit for Application of Aquatic Pesticides to approximately 250 members of the California Agricultural Production Consultants Association at their Fall Continuing Education Meeting in Fresno.

On 19 October, Dennis Heiman (R5) attended the monthly meeting of the CALFED Watershed Workgroup.

On 23 October, Dennis Heiman (R5) attended the SWRCB/EPA Nonpoint Source Conference and moderated the conference session entitled Livestock Grazing and Water Quality.

On 19 October, James Taylor participated in a briefing and tour of the former McClellan Air Force Base for State Senator Deborah Ortiz. The briefing included an overview of the strategy for cleanup and reuse of the former base. The Senator Ortiz was also provided a tour of the former base, highlighting current and future cleanup systems and sites.

On 22 October, Guy Chetelat (R5) attended a public meeting to discuss Bear Creek water issues and formation of a watershed group.

On 22 October, Pam Buford attended the Watershed Partnerships Project Workshop held to present findings from UC Davis research.

On 22 October, Michelle McGraw attended the Watershed Partnership Project Workshop. The workshop focused on learning from existing stakeholder groups the characteristics that create an effective partnership.

On 22 October, Abigail Smith attended the U.C. Davis Watershed Partnership Workshop presented by Dr. Paul Sabatier, professor of the Department of Environmental Science and Policy at U.C. Davis. During the workshop, the design and results of the Watershed Partnership Project: Case Studies in 90 Partnerships in California and Washington was presented.

On 24 October, James Taylor participated in the McClellan Air Force Base (AFB) Restoration Advisory Board (RAB) meeting at the Fred C. Joyce School in North Highlands. This is a public meeting where agencies inform the public of cleanup issues at DoD facilities and enlist their comments. McClellan AFB was closed in July, 2001 and will be transferred/leased to the County of Sacramento.

On 24 October, Joe Karkoski moderated a session on Agricultural Incentives/Innovations at the California Nonpoint Source Conference in Sacramento. The session included talks on pollutant trading, the biological prune system, and environmental labeling/marketing.

On 25 October, Rik Rasmussen and Robert Holmes attended the "State of the Rivers Symposium: Hydrologic and Biologic Science in the Cosumnes and Mokelumne Watersheds." The Symposium was sponsored by DFG, The Nature Conservancy, East Bay MUD, UCD and US Fish and Wildlife Service.

On 25 October, Anthony Toto attended the San Luis Drain Feature Re-evaluation Interagency Scoping Workshop held by the U.S. Bureau of Reclamation. The purpose of the re-evaluation is to formulate and implement a plan to provide drainage service to the San Luis Unit. The workshop discussed key project components, the role of agencies, overview of public involvement, and an overview of the project work plan. A public scoping workshop is scheduled for 14 November in Fresno and 15 November in Concord.

On 26 October Rik Rasmussen and Lori Webber met with the Basin Plan Advisory Committee (BPAC) in Roseville. The BPAC is a stakeholder coalition working with the Regional Board to develop a Basin Plan Amendment to update the pH and turbidity objectives.

On 29-30 October, a number of TMDL staff attended the TMDL Round-up in Oakland. The Round-up included staff from all nine Regions and State Board. The TMDL Initiative and Action Plan were discussed. Work groups were formed to address pollutant-specific topics.

On 30 October, Michelle McGraw and Joe Karkoski participated in the monthly OP Focus Group meeting. The group discussed the grant project planning, monitoring needs, and TMDL targets and public process.

On 31 October, several Sacramento River Watershed staff attended a meeting of the Sacramento River Watershed Program (SRWP) Monitoring Subcommittee. The purpose of the meeting was for the members of each of the SRWP subcommittees to update the larger group on monitoring efforts and to finalize SRWP monitoring plans for the upcoming year.

On 30 October, Doug Patteson and Emily Alejandrino gave a presentation regarding the Statewide NPDES Permit for Application of Aquatic Pesticides at a Vegetation Management Seminar held in Visalia, sponsored by Western Farm Service.

On 1 November, Ken Landau and Les Grober spoke at a one-day Water Quality Regulation and Permitting course offered by UC Davis Extension. They provided information on NPDES permitting and TMDLs.

On 1 November, John Menke attended the USDA-NRCS work group meeting in Davis. The work group is developing Comprehensive Nutrient Management Plan guidance for dairies.

On 2 November, Guy Chetelat (R5) attended a public meeting to discuss Churn Creek water issues and formation of a watershed group.

On 2 November, Kelly Briggs and Michelle McGraw conducted a planning meeting with DPR and the OP Focus Group 319 grant recipient to discuss how funds contributed by DPR for monitoring of the 319 project will be spent.

On 5-7 November Rik Rasmussen, Betty Yee and Lori Webber attended a Use Attainability (UAA) Workshop sponsored by U.S. EPA. U.S. EPA is starting to develop new guidance on preparing UAAs. UAAs are required for designating or changing the designated beneficial use of a water body.

On 7 November, Dennis Heiman (R5) attended the monthly Feather River CRM Management Committee meeting.

On 8 November, Robert Holmes attended the 9th Interagency Coordinating Committee for California's Nonpoint Source Plan. The group was updated on the status of the Biennial Report and development of NPS management measures implementation tracking system. The group also discussed goals and messages for a future meeting.

On 9 November, Janis Cooke attended a meeting of the Lake County Resources Management Committee (an advisory group to the Board of Supervisors). She provided an update on the progress of the Clear Lake mercury TMDL.

Addendum 3

COMPLETED SITE CLEANUPS (DOD/SLIC)

Golden Exploration & Production, Fresno County

Golden Exploration purchased a number of leases in the Raisin City Oilfield containing gunite-lined sumps previously used for oil production wastewater disposal. During sump closure at two of the leases, analytical results indicated hazardous concentrations of arsenic in the sludge. Approximately 2,500 tons of non-RCRA contaminated materials were transported to the Kettleman Hills Class I disposal facility. The problem is thought to be the result of historical use of arsenic-based oil well products. (SRG)

M&M Dry Cleaners, Kings County

Perchloroethylene (PCE) was discovered in groundwater monitoring wells associated with a nearby Chevron service station. M&M Dry Cleaners, located approximately 400 feet southwest of the Chevron station, was suspected to be the source of the PCE. Assessments of the dry cleaner, which included soil and groundwater sampling and a soil vapor survey (including sampling along the sewer line), found no evidence that the dry cleaner was the source of the PCE. A 25 September 2001 closure letter was issued to M&M Dry Cleaners. (GJI)

Taylor Property, Former Meth Lab Site, Mariposa County

The subject site is located in the foothill area below Coulterville, Mariposa County. DTSC previously completed an emergency cleanup at the site. However, at Mr. Taylor's request, staff followed up with confirmation samples to verify that the initial cleanup performed by DTSC was successful in removing any threats to water quality at the subject site. Analytical results of soil confirmation samples collected at the site indicated that only phosphorus was detected at 110 mg/kg. Though the phosphorus concentrations in soil are above background concentrations, they do not appear to pose a threat to water quality. Given the distance from the nearest surface water to the affected soils, it appears that normal attenuation and plant uptake of the nutrient will mitigate any threat to the water quality of the creek. (AM)

Torch 1-7F Sump Closure, Fresno County

The sump is on a hilly oil and gas-producing field near Coalinga. Wastewater, including lubrication oils with PCBs, generated from a gas processing plant flowed into the sump in the 1970s. Depth to groundwater under the site is estimated to be 300 to 400 feet below the ground surface (bgs). The results of site assessments indicated that site soils were impacted by PCBs (0.05 to 17 mg/kg) up to approximately eight feet bgs under the sump. In January 2001, Torch removed all the PCB impacted soils above 10 mg/kg from the sump and along the drainage line to the south by excavation and disposed of them to a certified landfill. A total of 34 confirmation samples were collected from the bottom of the excavations for chemical analyses. The samples confirmed that the remediation goal was achieved. A 12 October 2001 closure letter was issued to the site. (JYH)

Fancher Creek Properties, 5841 East Kings Canyon Road, Fresno County

Soils in the vicinity of an aboveground storage tank were impacted as a result of long-term spillage of diesel from a dispenser. Elevated levels of diesel were detected in subsurface soils between ground surface and 30 feet bgs and trace levels of diesel (1 to 17 mg/kg) were detected in soils between 55 and 65 feet bgs. Depth to groundwater is estimated to be about 85 feet bgs. In February 2001, the AST and the associated fuel dispenser were removed and the diesel-impacted soils were excavated up to about 21 feet bgs. Twenty-one feet bgs appeared to be the maximum possible depth of excavation at the site. To evaluate the potential impact of the remaining impacted soil to underlying groundwater, a soil sample collected from 55 feet bgs was analyzed for leachable TPH-diesel fractions and MTBE using a method similar to the WET test. The analysis did not detect any leachable petroleum hydrocarbon constituents or MTBE. One domestic well located downgradient and within 200 feet of the former AST was also sampled. No petroleum hydrocarbon constituents or MTBE were detected. Based on the submitted results, it was concluded that site remedial activities were sufficient to remove the threat to groundwater. A closure letter was issued on 25 September 2001. (JYH)