



California Regional Water Quality Control Board Central Valley Region

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10 March 2010

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NOTICE OF APPLICABILITY, WATER QUALITY ORDER NO. 97-10-DWQ-R5061, FRENCH CAMP RV PARK AND GOLF COURSE, WASTEWATER TREATMENT FACILITY, SAN JOAQUIN COUNTY

On 29 October 2009, Canada Cove, LLP (hereafter "Discharger") submitted a Report of Waste Discharge (RWD) for a domestic wastewater treatment facility (WWTF) at French Camp RV Park and Golf Course in San Joaquin County. Additional information was submitted on 8 February 2010, modifying the wastewater treatment approach described in the RWD. The modification presents an interim approach that consists of wastewater storage in a golf course pond while new leachfields are constructed. Presently, wastewater is hauled from the treatment system on a daily basis.

Based on the information provided in the RWD and additional information, the proposed interim and long-term discharge of treated domestic wastewater at French Camp RV Park and Golf Course satisfies the general and specific conditions of State Water Resources Control Board (State Water Board) Water Quality Order (WQO) No. 97-10-DWQ. Therefore, this letter serves as formal notice that WQO No. 97-10-DWQ is applicable to the site and discharge described below. You are hereby assigned WQO No. 97-10-DWQ-R5061 for this facility.

A copy of the WQO is enclosed. You can also find the WQO on the State Water Board's website at: http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/1997/wq1997_10.pdf.

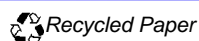
You should familiarize yourself with the contents of the WQO. The WWTF must be operated in accordance with the requirements contained in this Notice of Applicability (NOA) and WQO, with the information submitted in the RWD and additional information, and be monitored in accordance with the attached Monitoring and Reporting Program (MRP).

As described below, the discharge to the pond must cease by **2 August 2010**. After 2 August 2010, this NOA allows the use of the leachfield as the final disposal method. The wastewater treatment process currently used shall remain and continue in use.

REGULATORY BACKGROUND

WDRs Order No. R5-2006-0039 (NPDES Permit No. CA0083682), adopted by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) on 5 May 2006,

California Environmental Protection Agency



prescribes requirements for the discharge of wastewater from the Discharger's WWTF. However, the WWTF has not been able to consistently comply with effluent limitations. The Discharger has elected to cease discharge of treated wastewater to surface water and has submitted plans to obtain a discharge to land permit and rescind the NPDES permit.

Because the Discharger is presently hauling wastewater to a regional treatment system at great expense, they have proposed discharging wastewater to an on-site pond while subsurface leachfields are constructed. The construction activity will be completed in 2010, before the winter rains begin.

DISCHARGE DESCRIPTION

French Camp RV Park Resort and Golf Course is located at 3919 E. French Camp Road, Manteca, San Joaquin County, in Section 8, T1S, R7E, MDB&M (Assessor's Parcel Numbers 201-030-14 and 201-030-16). The site location is presented on Attachment A, which forms part of this notice by reference.

French Camp RV Resort and Golf Course is owned and operated by Canada Cove LLP. The site consists of approximately 96 acres and presently provides 196 recreational vehicle spaces (with water and sewer connections), a nine-hole golf course, caretaker residence, laundromat, restaurant, swimming pool, golf clubhouse, and on-site convenience market. Plans to expand the facility to provide an additional 198 recreational vehicle spaces have been developed by the Discharger. Authorization to discharge wastewater provided by this NOA only applies to the existing facility as described above.

Wastewater Flow Rate and Quality

Wastewater flow rates vary seasonally with lower rates during the winter months. In 2007, wastewater flow to the WWTF averaged 7,660 gpd with a maximum of 16,060 gpd. Wastewater is collected by gravity to the WWTF. The flow data suggests there is not significant inflow and/or infiltration to the collection system.

Wastewater constituents fall within the typical range for domestic wastewater. Presently, influent samples are collected monthly; treated wastewater samples are collected weekly. The results for samples collected from January through December 2007 are presented in the table below. The data collected indicates the WWTF is effective in reducing wastewater constituent concentrations. Influent and effluent data is presented below:

<i>Influent Wastewater Constituent Concentrations</i>				
<u>Constituent</u>	<u>Units</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
pH	Std. Units	7.4	7.7	6.8
BOD	mg/L	240	660	106
TSS	mg/L	287	1,180	70
<i>Effluent Wastewater Constituent Concentrations</i>				
<u>Constituent</u>	<u>Units</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
pH	Std. Units	7.9	8.5	6.5
BOD	mg/L	12	34	2.5
TSS	mg/L	7.0	65	4.0
TDS	mg/L	1,129	1,650	774

<u>Constituent</u>	<u>Units</u>	<i>Effluent Wastewater Constituent Concentrations</i>		
		<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Coliform (TCO)	MPN/100mL	49	2,400	2
EC	umhos/cm	1,576	2,210	1,050
Turbidity	NTU	4.7	42	0.9
Susp. Solids	mL/L	0.1	0.1	0.1

BOD denotes Biochemical Oxygen Demand. TSS denotes Total Suspended Solids. TDS denotes Total Dissolved Solids. TCO denotes Total Coliform Organisms. EC denotes Electrical Conductivity. Susp. Solids denotes Suspended Solids. MPN/100mL denotes Most Probable Number per 100 mL. NTU denotes Nephelometric Turbidity Units. All data taken from the Revised July 2008 RWD, Table 3.

Wastewater Treatment

Wastewater is collected by gravity to an aerated lift station. Wastewater is screened and pumped to the treatment system, where it is treated with an intermittent cycle, extended aeration system equipped with clarification, multimedia filtration, and ozone disinfection. The treatment system is rated by the manufacturer to treat 50,000 gpd. Screenings are placed in a bin and disposed of at a sanitary landfill. Filter backwash water is returned to the treatment system.

Sludge handling and disposal is described in the 27 January 2010 *Sludge Disposal Plan* prepared by HydroScience Operations, Inc. Sludge is removed from the clarifier and is discharged to one of two lined sludge disposal beds for drying. The dried sludge (greater than 20-percent solids) is disposed of at a permitted landfill.

Interim Wastewater Discharge to Pond

Treated wastewater will be temporarily discharged to an unlined golf course pond. The location of the pond is presented on Attachment B, which forms part of this notice by reference. To allow pond drying and rehabilitation, the discharge to the pond must cease by **2 August 2010**.

While discharging wastewater to the pond, the wastewater shall comply with California Code of Regulations Title 22, Section 60301.225 (disinfected secondary-23 recycled water), which states:

“Disinfected secondary-23 recycled water” means recycled water that has been oxidized and disinfected so that the median concentration of total coliform bacteria in the disinfected effluent does not exceed a most probable number (MPN) of 23 per 100 milliliters utilizing the bacteriological results of the last seven days for which analyses have been completed, and the number of total coliform bacteria does not exceed an MPN of 240 per 100 milliliters in more than one sample in any 30 day period.

Public access to the pond has been limited by temporary fencing and signage that indicates non-potable water in the pond. The 8 February 2010 RWD Addendum included a water balance that showed adequate storage capacity in the pond to contain all the wastewater and precipitation for an average daily flow rate of 20,000 gpd.

Pond Rehabilitation after Wastewater Discharge

To rehabilitate the pond for unrestricted use as a golf course water feature, the Discharger shall completely drain the pond of water (either by infiltration or through the leachfield), remove all sludge present in the pond (and dispose of at a permitted landfill), and disc the bottom of the pond. The Discharger shall provide written notification to the Central Valley Water Board that the work is completed. Ten days after the notification, the Discharger may begin preparing the pond for use as a golf course water feature. Until the rehabilitation is complete, fencing and signs must limit public access to the area.

Long-Term Subsurface Wastewater Discharge

The Discharger plans to operate subsurface leachlines to dispose of treated wastewater. The elements of design for the subsurface system are presented in the July 2008 RWD, prepared by Nolte Associates, Inc. Although the RWD states the existing treatment system is not required for the subsurface disposal, the Central Valley Water Board is requiring continued treatment of wastewater by the existing package treatment plant because of the potential for formaldehyde to be present in the wastewater.

This NOA authorizes a flow rate of 20,000 gpd, which is the maximum flow rate allowed by the WQO. The Discharger may apply for a higher flow rate but will need to obtain site-specific WDRs for such a discharge. The RWD provided leachfield disposal capacity calculations that demonstrated adequate disposal capacity for 44,800 gpd.

Groundwater is approximately 35 feet below ground level at the site. Based on the level of wastewater treatment and the low wastewater discharge rate, the discharge poses little threat to groundwater quality if the facility is operated and maintained as described herein. Therefore, groundwater monitoring is not required at this time.

MONITORING AND REPORTING PROGRAM

The Discharger shall comply with the monitoring and reporting requirements prescribed in Monitoring and Reporting Program (MRP) No. R5-2010-R5061, which replaces MRP No. 97-10-DWQ for this facility. The requirement to begin monitoring for MRP No. R5-2010-R5061 is effective upon beginning the discharge to the golf course pond.

GENERAL INFORMATION AND REQUIREMENTS

The Discharger shall comply with WQO No. 97-10-DWQ. WQO Section B describes varying requirements based on the type of treatment and/or disposal method. Because the treatment system will transition from discharge to the golf course pond to subsurface discharge, certain requirements listed in Section B will apply only while surface or subsurface discharge is occurring; in addition, some of the requirements will apply at all times.

The requirements from WQO Section B that will change with the transition are listed in the table below:

<u>Requirements</u>	<u>Section No.</u>	<u>Applicable</u>
All Small Domestic Systems	B.1.a,b,c,d	At all times
Septic Systems	B.2.c	At all times
Activated Sludge Systems	B.3.b,c ¹	At all times
Aerated Pond Systems	B.4	When discharging to pond

<u>Requirements</u>	<u>Section No.</u>	<u>Applicable</u>
Subsurface Disposal Systems	B.5.a,b	When discharging to leachfield
Surface Disposal Systems	B.6.a,b,c,d	When discharging to pond

¹ The Discharger submitted the Sludge Disposal Plan on 27 January 2010.

The monthly average flow rate to the WWTF is hereby limited to 20,000 gpd. (The monthly average shall be calculated by dividing the total flow for the month by the number of days in the month). In addition, the Discharger shall construct and begin use of a minimum of 2,200 linear feet of leachfield by **2 August 2010**. By **31 August 2010**, the Discharger shall submit a *Notice of Completion Report* that describes the leachfield construction.

Please review this Notice of Applicability carefully to ensure that it completely and accurately reflects the proposed discharge. If the discharge violates the terms or conditions above, the Central Valley Water Board may take enforcement action, including assessment of administrative civil liability. If the method of waste disposal changes from that described in the RWD and additional information, you must submit a new RWD.

Canada Cove LLP will generate the waste subject to the terms and conditions of WQO No. 97-10-DWQ and will maintain exclusive control over the discharge. As such, Canada Cove LLP is primarily responsible for compliance with WQO No. 97-10-DWQ, this NOA, and the attached MRP. Failure to comply with the requirements in the documents could result in an enforcement action as authorized by provisions of the California Water Code. Discharge of wastes other than those described in the RWD is prohibited.

The required annual fee specified in the annual billing from the State Water Board shall be paid until this NOA is officially terminated. You must notify this office in writing if the discharge regulated by this Order ceases so that we may terminate coverage and avoid unnecessary billing.

WDRs Order No. R5-2006-0039 (NPDES Permit No. CA0083682) contains monitoring requirements. Those monitoring requirements are hereby suspended when discharge to the golf course pond begins. The NPDES permit will be rescinded at the May 26/27/28 meeting of the Central Valley Water Board.

All monitoring reports, submittals, discharge notifications, and questions regarding compliance and enforcement should be directed to Brendan Kenny at (916) 464-4635 or bkenny@waterboards.ca.gov. Questions regarding the NOA should be directed to Timothy O'Brien at (916) 464-4616 or tobrien@waterboards.ca.gov.

Original signed by

Pamela C. Creedon
Executive Officer

enc and cc list: See attached page.

Enclosures: Water Quality Order No. 97-10-DWQ
WQO No. 97-10-DWQ Attachment B (Standard Provisions)
Attachment A
Attachment B
Monitoring and Reporting Program No. R5-2010-R5061

cc: Mr. Rodney Estrada, San Joaquin County Environmental Health Department, Stockton
Mr. Donald Brown, HydroScience Operations, Inc., Stockton
Mr. David Dauwalder, P.E., Nolte Associates, Inc., Sacramento