



Mr. Eric Winiecki
EPA Project Coordinator
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101

Subject:
DOCKET NO. SDWA-10-2013-0080, Yakima Valley Dairies
March 2014 Monthly Progress Report

Dear Mr. Winiecki:

Please find attached the Yakima Valley Dairies Monthly Progress Report for the period March 11 to April 10, 2014, submitted on behalf of: (1) Cow Palace, LLC; (2) D & A Dairy, LLC (also known as D&A Dairy L.L.C.), George DeRuyter & Son Dairy, L.L.C., and George & Margaret, L.L.C; and (3) Liberty Dairy LLC and its associated dairy facility H&S Bosma Dairy. If you have any questions or comments, please do not hesitate to call. Thank you.

Sincerely,

ARCADIS U.S., Inc.

Kevin M. Freeman
YVD Project Coordinator

Attachments:
Monthly Progress Report, March 11 to April 10, 2014

Copies:
Adam Dolsen, Cow Palace LLC
Dan DeRuyter, George DeRuyter & Son Dairy LLC
Henry Bosma, Liberty Dairy LLC
Rene Fuentes, EPA
Jennifer MacDonald, EPA
Patrick W. Ryan, Perkins Coie LLP
Lori Terry Gregory, Foster Pepper PLLC

Imagine the result

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ENVIRONMENT

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May 1, 2014

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YAKIMA VALLEY DAIRIES (YVD)

Docket No, SDWA-10-2013-0080

Monthly Progress Report [per Consent Order (CO) Statement of Work (SOW) III.K.1]

Period: March 11 to April 10, 2014

Task Number	Task Title	Actions Completed During Reporting Period	Work Planned for Next 60 days	Problems Encountered/Anticipated and Solutions Developed/ Implemented
GENERAL TASKS				
1	Identify Project Coordinator (Consent Order 16. b.) and Contractor (notification of subsequent contractors must be provided to EPA 20 days prior to commencement of Work) (Consent Order 16.a.)	TASK COMPLETE		
4	Notify EPA regarding interest in participating in the public involvement process (III.C.)	TASK COMPLETE		
PROVISION OF WATER (III.D.)				
5	Submit Residential Well Sampling QAPP (III.D.2.)	TASK COMPLETE		
6	Test each residential drinking water well within the Dairy Facilities boundary and within one mile downgradient of the Dairy Facilities (III.D.3.)	TASK COMPLETE		
7	Provide residents results of Hach test strip (III.D.4.)	TASK COMPLETE		
8	Provide preliminary results of laboratory analysis of residential drinking water well samples to EPA (III.D.4.)	TASK COMPLETE		
9	Provide validated laboratory analytical results to each resident and to EPA (III.D.4.)	TASK COMPLETE		

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10	Provide reverse osmosis treatment system (or other EPA approved alternative water supply) to each owner/occupant that accepts offer for alternative water (III.D.5)	TASK COMPLETE		Last request for system (for new installation or existing maintenance) was received by ARCADIS on August 11, 2013. No calls received since that date. ARCADIS will continue to schedule system installation or maintenance if contacted by resident(s).
11	Submit Residential Well Sampling Report	TASK COMPLETE		
GROUNDWATER MONITORING (III.E.)				
12	Submit Groundwater Monitoring QAPP (III.E.1.)	Completed First Quarter 2014 sampling March 16 through 19, 2014.	None	
13	Submit Groundwater Monitoring Well Installation Report (III.E.2.)	Revise Report based on EPA comments.	Submit revised Report to EPA by May 1, 2014.	Extension to submission deadline requested by ARCADIS Project Coordinator
14	Report validated groundwater nitrate analytical results (III.A.3.e.(1))	None	Revise Fourth Quarter 2013 Data Validation reports based on EPA comments. Submit First Quarter 2014 Data Validation reports to EPA by May 1, 2014.	Extension to submission deadline requested by ARCADIS Project Coordinator

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15	Quarterly Groundwater Monitoring Data Reports (III.E.3.)	Revised Third Quarter 2013 Report based on EPA comments. Prepared Fourth Quarter 2013 Report.	Submit Revised Third and Draft Fourth Quarter 2013 Report to EPA by May 1, 2014.	Extension to submission deadline requested by ARCADIS Project Coordinator
16	Annual Groundwater Monitoring Data Report (III.E.3.)	Prepared 2013 Annual Report.	Submit Annual Report to EPA by May 1, 2014.	Extension to submission deadline requested by ARCADIS Project Coordinator
IMMEDIATE SOURCE CONTROL ACTIONS (III.F.)				
17	Submit Dairy Facility Application Field Management Plan (III.F.1.)	TASK COMPLETE		YVD completed harvesting of application fields during October. Post-harvest sampling for 2013 was conducted in accordance with the draft AFM Plans.
18	Submit Dairy Facility Application Field Reports (III.A.3.e.(2))	Assist Agrimanagment with preparation of Dairy Application Field Reports.	Submit Reports to EPA by May 1, 2014.	Extension to submission deadline requested by ARCADIS Project Coordinator
19	Submit Irrigation Water Management Plan (III.F.2.)	Technical meeting between EPA and ARCADIS/Agrimanagement/Sunnyside Valley Irrigation District on March 18, 2014 in Yakima, Washington. Revised Plan pased on technical discussions and EPA comments.	Submit revised Plans to EPA by May 1, 2014.	
20	Implement Irrigation Water Management Plan (III.F.2.)	None	None	
21	Take action to reduce nitrate contributions from silage storage (III.F.3.)	Dairy facilities initiated implementation of recommended actions.	Provide memorandum of observations and actions to EPA following completion of actions	To be included in 2013 Annual Report
22	Take action to reduce nitrate contributions from solid separator (III.F.4)	Dairy facilities initiated implementation of recommended actions.	Provide memorandum of observations and actions to EPA following completion of actions.	To be included in 2013 Annual Report

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23	Install backflow prevention system (III.F.5)	TASK COMPLETE		
24	Submit Lagoon Review Report (III.F.6.)	TASK COMPLETE		
25	Submit Lagoon Evaluation Plan (III.F.6).	Technical meeting between EPA and ARCADIS/Agrimanagement/Sunnyside Valley Irrigation District on March 18, 2014 in Yakima, Washington. Revised Plan based on technical discussions and EPA comments.	Submit revised Plans to EPA by May 1, 2014.	
26	Submit Lagoon Evaluation Report and Lagoon Work Plan (III.F.6)	None	None	
27	Submit records of locations to which manure is transported off of the Dairy Facilities (III.F.7)	Gathered records from Respondents	Provide information to EPA as part of 2013 Annual Report	
28	Eliminate furrow irrigation (III.F.8.)	None	None	
29	Submit Plan for assessment of area surrounding monitoring well DC-03 (III.F.12.)	None	Await further EPA comments following completion of groundwater monitoring well network installation.	ARCADIS and EPA will reach a agreement regarding the intent and scope of the DC-03 Investigation following completion of the groundwater monitoring well installation. Information provided by the well network will be used to refine the DC-03 work plan.
REPORTING (III.K.)				
34	Monthly Progress Reports (III.K.1.)	Prepared March 2014 MPR.	Submit February 2014 and March MPR to EPA on May 1, 2014. Prepare April MPR. Prepare May MPR.	Extension to submission deadline requested by ARCADIS Project Coordinator

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35	Annual Reports (III.K.2.)	Prepared Annual Report	Submit 2013 Annual Report to EPA by May 1, 2014.	Extension to submission deadline requested by ARCADIS Project Coordinator