



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  
January 2014 Monthly Progress Report

Dear Mr. Winiecki:

Please find attached the Yakima Valley Dairies Monthly Progress Report for the period January 11 to February 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, January 11 to February 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

ARCADIS U.S., Inc.  
695 North Legacy Ridge Drive  
Suite 200  
Liberty Lake  
Washington 99019  
Tel 509 928 3369  
Fax 509 928 3075  
[www.arcadis-us.com](http://www.arcadis-us.com)

ENVIRONMENT

Date:  
February 18, 2014

Contact:  
Kevin M. Freeman, PG

Extension:  
211

Email:  
[Kevin.Freeman@arcadis-us.com](mailto:Kevin.Freeman@arcadis-us.com)

Our ref:  
SK030326.0001  
SK030334.0001  
SK030335.0001

EPA ref:  
SDWA-10-2013-0080

**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: January 11 to February 10, 2014**

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

**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: January 11 to February 10, 2014**

<b>Task Number</b>	<b>Task Title</b>	<b>Actions Completed During Reporting Period</b>	<b>Work Planned for Next 60 days</b>	<b>Problems Encountered/Anticipated and Solutions Developed/ Implemented</b>
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)	<b>TASK COMPLETE</b>		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	Received EPA comments to (final) report on February 14, 2013.	Revise Report based on EPA comments and submit to EPA by March 17, 2014.	
<b>GROUNDWATER MONITORING (III.E.)</b>				
12	Submit Groundwater Monitoring QAPP (III.E.1.)	Completed Fourth Quarter 2013 sampling on December 12, 2013.	First Quarter 2014 sampling scheduled for second week of March 2014. Provide EPA required 14 days notice prior to sampling.	
13	Submit Groundwater Monitoring Well Installation Report (III.E.2.)	Submitted Report to EPA on November 3, 2013.	Revise Report based on EPA comments and submit by March 10, 2014.	
14	Report validated groundwater nitrate analytical results (III.A.3.e.(1))	Submitted revised Third Quarter 2013 Data Validation reports to EPA on February 6, 2014. Submitted initial Fourth Quarter 2013 Data Validation reports to EPA on February 7, 2014.	Revise Fourth Quarter 2013 Data Validation reports based on EPA comments.	ARCADIS did not receive validated (certified) analytical report for last Fourth Quarter 2013 sample delivery group until January 2, 2014 due to laboratory holiday schedule.

**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: January 11 to February 10, 2014**

<b>Task Number</b>	<b>Task Title</b>	<b>Actions Completed During Reporting Period</b>	<b>Work Planned for Next 60 days</b>	<b>Problems Encountered/Anticipated and Solutions Developed/ Implemented</b>
15	Quarterly Groundwater Monitoring Data Reports (III.E.3.)	Prepared Third Quarter 2013 Report. Submitted Report to EPA on November 25, 2013.	Revise Third Quarter 2013 Report based on EPA comments and submit by March 10, 2014. Prepare Fourth Quarter 2013 Report and submit to EPA by March 2, 2013.	
16	Annual Groundwater Monitoring Data Report (III.E.3.)	None	Initiate preparation of annual report.	
<b>IMMEDIATE SOURCE CONTROL ACTIONS (III.F.)</b>				
17	Submit Dairy Facility Application Field Management Plan (III.F.1.)	Modify Plan(s) based on EPA comments. Submitted Final Plans to EPA on November 17, 2013.	<b>TASK COMPLETE</b>	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 March 1, 2014.	
19	Submit Irrigation Water Management Plan (III.F.2.)	Received EPA comments to Irrigation Water Management Plan(s) on February 11, 2014.	Review EPA comments and prepare response.	Based on the composition of EPA comments, ARCADIS believes that a technical meeting will be required to address issues.
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	
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.	
23	Install backflow prevention system (III.F.5)	<b>TASK COMPLETE</b>		

**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: January 11 to February 10, 2014**

<b>Task Number</b>	<b>Task Title</b>	<b>Actions Completed During Reporting Period</b>	<b>Work Planned for Next 60 days</b>	<b>Problems Encountered/Anticipated and Solutions Developed/ Implemented</b>
24	Submit Lagoon Review Report (III.F.6.)	<b>TASK COMPLETE</b>		
25	Submit Lagoon Evaluation Plan (III.F.6).	Received EPA comments to Lagoon Evaluation Plans on February 5, 2014.	Review EPA comments and prepare response.	Based on the composition of EPA comments, ARCADIS believes that a technical meeting will be required to address issues.
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)	None	None	
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.
<b>REPORTING (III.K.)</b>				
34	Monthly Progress Reports (III.K.1.)	Submitted December 2013 MPR to EPA on January 15, 2013. Prepared January 2014 MPR.	Submit January 2014 MPR to EPA on February 18, 2014. Prepare February MPR. Prepare March MPR.	
35	Annual Reports (III.K.2.)	Began preparation of Annual Report	Submit 2013 Annual Report to EPA by March 2, 2014.	