



INLAND EARTH SCIENCES

January 15, 2015

Project 1407-YVD-007

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
December 2014 Monthly Progress Report

Dear Mr. Winiecki:

Please find attached the Yakima Valley Dairies Monthly Progress Report for the period December 11, 2014 to January 10, 2015, 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.

Very Truly Yours,

INLAND EARTH SCIENCES CORPORATION

Kevin M. Freeman
YVD Project Coordinator
kfreeman@inlandearth.com | (509) 981-4747 Direct

Attachments:

Monthly Progress Report, December 11, 2014 to January 10, 2015

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
Brendan V. Monahan, Stokes Lawrence Velikanje Moore & Shore

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: December 11, 2014 to January 10, 2015

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		
11	Submit Residential Well Sampling Report	TASK COMPLETE		
GROUNDWATER MONITORING (III.E.)				
12	Submit Groundwater Monitoring QAPP (III.E.1.)	Completed Fourth Quarter (December) 2014 sampling event on December 17.	Prepare for 1Q2015 (March 2015) sampling event.	
13	Submit Groundwater Monitoring Well Installation Report (III.E.2.)	TASK COMPLETE		
14	Report validated groundwater nitrate analytical results (III.A.3.e.(1))	Prepare Data Usability Report(s) for 4Q2014 sampling. Revise 4Q2013, 1Q2014, and 2Q2014 Data Usability Reports based on December 30, 2014 EPA comments.	Submit 4Q2014 Data Usability Report by January 31, 2015. Submit revised 4Q2013, 1Q2014, and 2Q2014 Data Usability Report to EPA by January 31, 2015.	
15	Quarterly Groundwater Monitoring Data Reports (III.E.3.)	Prepare Draft 3Q2014 GWM Data Report. Received EPA comments to 3Q2013, 4Q2013, 1Q2014, and 2Q2014 GWM Data Reports on October 23, 2014. Revised 3Q2013, 4Q2013, 1Q2014, and 2Q2014 GWM Reports based on EPA comments.	Submit revised 3Q2013, 4Q2014, 1Q2014, and 2Q2014 by January 16, 2015. Submit Draft 3Q2014 GWM Data Report to EPA by January 23, 2015.	
16	Annual Groundwater Monitoring Data Report (III.E.3.)	Submitted 2013 Annual Report to EPA on May 1, 2014.	Revise 2013 Report based on EPA comments.	

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IMMEDIATE SOURCE CONTROL ACTIONS (III.F.)				
17	Submit Dairy Facility Application Field Management Plan (III.F.1.)	TASK COMPLETE		
18	Submit Dairy Facility Application Field Reports (III.A.3.e.(2))	Revise 2013 Post-Harvest Application Management Report(s) based on EPA comments and submit reports by January 16, 2015. Prepare Draft 2014 Post-Harvest Application Management Report(s), including data validation activities. Revise 2014 Pre-Plant Data Usability Reports based on December 40, 2014 EPA comments.	Revise 2013 Post-Harvest Application Management Report(s) based on EPA comments and submit reports by January 16, 2015. Submit Draft 2014 Pre-Plant Application Field Management Report(s) by January 30, 2015. Submit revised 2014 Pre-Plant Data Usability Reports by January 30, 2015. Prepare Draft 2014 Post-Harvest Application Management Report(s), including data validation activities by January 30, 2014.	
19	Submit Irrigation Water Management Plan (III.F.2.)	TASK COMPLETE		
20	Implement Irrigation Water Management Plan (III.F.2.)	Prepare technical memorandums describing preliminary results of FC testing. Begin preparation of the IWMP Installation Reports	Submit technical memorandums describing preliminary results of FC testing and IWMP Installation Reports by February 15, 2015.	
21	Take action to reduce nitrate contributions from silage storage (III.F.3.)	TASK COMPLETE		
22	Take action to reduce nitrate contributions from solid separator (III.F.4)	TASK COMPLETE		

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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).	Submitted Lagoon Evaluation Plan QAPPs to EPA on November 3, 2014.	Revise Lagoon Evaluation Plan QAPPs based on EPA comments.	
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)	Provided 2013 information to EPA as part of 2013 Annual Report	Work with Respondents to collect and tabulate 2014 records.	
28	Eliminate furrow irrigation (III.F.8.)	TASK COMPLETE		
29	Submit Plan for assessment of area surrounding monitoring well DC-03 (III.F.12.)	None	Based on conversation with EPA on December December 3, 2014, anticipate receipt of EPA comments regarding a Environmental Site Assessment ("Phase 1"-style) Investigation for the vicinity of the DC-03 well.	
REPORTING (III.K.)				
34	Monthly Progress Reports (III.K.1.)	Submitted November MPR on December 15, 2014. Prepared December MPR.	Prepare and submit January and February 2015 MPRs.	
35	Annual Reports (III.K.2.)	Submitted 2013 Annual Report to EPA on May 1, 2014.	Revise Report based on EPA comments.	