



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
July 2014 Monthly Progress Report

Dear Mr. Winiecki:

Please find attached the Yakima Valley Dairies Monthly Progress Report for the period July 11 to August 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, July 11 to August 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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August 15, 2014

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Our ref:
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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: July 11 to August 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 | | |
| 11 | Submit Residential Well Sampling Report | TASK COMPLETE | | |
| GROUNDWATER MONITORING (III.E.) | | | | |
| 12 | Submit Groundwater Monitoring QAPP (III.E.1.) | Schedule Third Quarter 2014 sampling event for second week September 2014. | Complete Third Quarter 2014 sampling event in September. | |
| 13 | Submit Groundwater Monitoring Well Installation Report (III.E.2.) | Submitted revised report to EPA on May 1, 2014. | Revise Reports based on EPA comments. | |
| 14 | Report validated groundwater nitrate analytical results (III.A.3.e.(1)) | Submitted Draft Second Quarter 2014 Data Usability Reports to EPA on August 6, 2014 | Revise 4Q2013, 1Q2014, and 2Q2014 Data Usability Reports based on EPA comments. | |
| 15 | Quarterly Groundwater Monitoring Data Reports (III.E.3.) | Submitted revised Third Quarter 2013 Report on July 30, 2014. Preparing Draft 2Q2014 GWM Report. | Revise 4Q2013 and 1Q2014 GWM Reports based on EPA comments. | |
| 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)) | Submitted Draft 2014 Pre-Plant Application Field Management Data Usability Report(s) to EPA on August 7, 2014. Prepare Draft 2014 Pre-Plant Application Field Management Report. | Submint Draft 2014 Pre-Plant Application Field Manangement Report. Revise 2014 Pre-Plant Data Usability Reports based on EPA comments. | |
| 19 | Submit Irrigation Water Management Plan (III.F.2.) | Submitted Revised IWM Plans to EPA on August 4, 2014. Received contidional approval and comments for Revised IWM Plans on August 12, 2014. Submitted response to EPA comments on August 13, 2013. | Revise conditionally-approved Plans based on EPA comments and submit Final Plans to EPA by August 19, 2014. | EPA and Respondants to discuss salt flushing at August 19, 2014 technical meeting. |
| 20 | Implement Irrigation Water Management Plan (III.F.2.) | None | Begin implimentation of IWM Plans within 30 days of August 19, 2014. | |
| 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 | | |
| 23 | Install backflow prevention system (III.F.5) | TASK COMPLETE | | |
| 24 | Submit Lagoon Review Report (III.F.6.) | TASK COMPLETE | | |

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|---------------------------|--|--|---|--|
| 25 | Submit Lagoon Evaluation Plan (III.F.6). | Requested discussion with EPA regarding feasibility of implimenting a water-balance testing method under protocols and requirements presented in the June 6, 2014 letter from EPA. | Technical meeting with EPA on August 19, 2014 to discuss path forward regadring lagoon testing. | |
| 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.) | None | None | |
| 29 | Submit Plan for assessment of area surrounding monitoring well DC-03 (III.F.12.) | None | Develop a conceptual work plan to complete the DC-03 investigation requirement based on EPA's letter of March 14, 2014. | |
| REPORTING (III.K.) | | | | |
| 34 | Monthly Progress Reports (III.K.1.) | Submitted June MPR on July 15, 2014. Prepared July MPR. | Prepare and submit August and September MPR. | |
| 35 | Annual Reports (III.K.2.) | Submitted 2013 Annual Report to EPA on May 1, 2014. | Revise Report based on EPA comments. | |