



NEW MEXICO
ENVIRONMENT DEPARTMENT



Ground Water Quality Bureau

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DAVE MARTIN
Secretary

BUTCH TONGATE
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

August 20, 2012

John DeRuyter, Owner
Mountain View Dairy
P.O. Box 345
Mesquite, NM 88048

RE: Discharge Permit Renewal, DP-70, Mountain View Dairy

Dear Mr. DeRuyter:

The New Mexico Environment Department (NMED) issues the enclosed Discharge Permit Renewal, DP-70, to John DeRuyter (permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978 §§74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Regulations, 20.6.2 and 20.6.6 NMAC.

The Discharge Permit contains requirements that shall be complied with by the permittee and are enforceable by NMED pursuant to Sections 20.6.2.3104 and 20.6.6.8 NMAC, WQA, and NMSA 1978 §74-6-5 and §74-6-10. The discharge shall be managed in accordance with all applicable requirements of the Dairy Rule and this Discharge Permit. Issuance of this Discharge Permit does not relieve the permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

You will be invoiced under separate cover for \$345.00 (one-tenth of the applicable permit fee). This fee is due by August 1, 2013, and annually thereafter until expiration or termination of the Discharge Permit. If you wish to avoid annual payments, you may pay the remaining permit fee balance of \$1,725.00 in full upon receipt of the invoice mentioned above.

John DeRuyter, DP-70

August 20, 2012

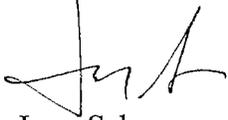
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Pursuant to Subsection I of NMSA 1978 § 74-6-5, the term of this Discharge Permit shall be for the fixed term of five years. The term of this Discharge Permit will end on August 20, 2017.

Pursuant to Subsection A of 20.6.6.10 NMAC, you are required to submit an application for renewal or renewal/modification to NMED one year prior to the end of the Discharge Permit term.

If you have any questions, please contact Bill Pearson at (505) (505) 827-2791 or Kathie Deal, Agricultural Team Leader, at (505) 827-2713. Thank you for your cooperation during this Discharge Permit review.

Sincerely,



Jerry Schoeppner, Chief
Ground Water Quality Bureau

JS:BP

Encs: Discharge Permit Renewal, DP-70

cc: Linda Armstrong, Mountain View Dairy, P.O. Box 10, Mesquite, NM 88048 (permit)
Kathie Deal, Agricultural Team Leader, NMED-GWQB (permit)
District Manager, NMED District III (permit – electronic copy)
NMED Lac Cruces Field Office (permit)
John Romero, Office of the State Engineer (permit – electronic copy)

**GROUND WATER DISCHARGE PERMIT - RENEWAL
EXISTING DAIRY FACILITY with a LAND APPLICATION AREA
Mountain View Dairy, DP-70**

I. INTRODUCTION AND SUMMARY

The New Mexico Environment Department (NMED) issues this Discharge Permit Renewal (Discharge Permit), DP-70, to John DeRuyter (permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978, §§ 74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Regulations, 20.6.2 and 20.6.6 NMAC.

NMED's purpose in issuing this Discharge Permit is to control the discharge of water contaminants from Mountain View Dairy (dairy facility) for the protection of ground water and those segments of surface water gaining from ground water inflow, for present and potential future use as domestic and agricultural water supply and other uses, and to protect public health.

The activities which produce the discharge, the location of the discharge, and the quantity, quality and flow characteristics of the discharge are briefly described as follows:

A maximum daily discharge volume of 60,000 gallons per day (gpd) of wastewater may be discharged from the production area. Wastewater flows from the parlor to a primary concrete sump and is pumped through a screen solids separator to a settling separator and collected in a secondary concrete sump. Wastewater is pumped from the secondary sump to a synthetically lined impoundment for storage prior to being land applied by flood and center pivot irrigation to up to 160 acres of irrigated cropland under cultivation. The discharge contains water contaminants or toxic pollutants which may be elevated above the standards of Section 20.6.2.3103 NMAC.

The facility is located on 13090 Stern Drive, approximately ¼ mile south of exit 151 on I-10, Mesquite, in Sections 5 and 6, T25S, R03E, and Section 31, T24S, R03E, Doña Ana County. Ground water most likely to be affected is at a depth of approximately 29-49 feet and had a pre-discharge total dissolved solids concentration of approximately 2,440 milligrams per liter.

The original Discharge Permit was issued on June 15, 1979 and subsequently, renewed and modified on July 26, 1984, renewed on September 14, 1987, renewed on August 7, 1991, modified on December 18, 1991, and renewed and modified on October 9, 2001. The application consists of the materials submitted by the permittee dated October 13, 2006 and materials contained in the administrative record associated with issuance of this Discharge Permit. The discharge shall be managed in accordance with all applicable requirements of the Dairy Rule (20.6.6 NMAC) and this Discharge Permit.

Issuance of this Discharge Permit does not relieve the permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

The following acronyms and abbreviations may be used in this Discharge Permit:

Mountain View Dairy, DP-70

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| Abbreviation | Explanation | Abbreviation | Explanation |
|--------------|-----------------------------------|--------------------|----------------------------------|
| Cl | chloride | NO ₃ -N | nitrate-nitrogen |
| gpd | gallons per day | S | Sulfur |
| LADS | land application data sheet(s) | SO ₄ | Sulfate |
| mg/L | milligrams per liter | TDS | total dissolved solids |
| NMAC | New Mexico Administrative Code | TKN | total Kjeldahl nitrogen |
| NMED | New Mexico Environment Department | WQA | New Mexico Water Quality Act |
| NMP | Nutrient management plan | WQCC | Water Quality Control Commission |
| NMSA | New Mexico Statutes Annotated | | |

II. FINDINGS

In issuing this Discharge Permit, NMED finds:

1. The permittee is discharging from a facility that meets the definition of "dairy facility" and is subject to the Dairy Rule (20.6.6 NMAC). This dairy facility meets the definition of "existing dairy facility".
2. The permittee is discharging effluent or leachate from the dairy facility that may move directly or indirectly into ground water within the meaning of Section 20.6.2.3104 NMAC.
3. The permittee is discharging effluent or leachate from the dairy facility that may move into ground water of the State of New Mexico which has an existing concentration of 10,000 milligrams per liter or less of total dissolved solids within the meaning of Subsection A of 20.6.2.3101 NMAC.
4. The discharge from the dairy facility is not subject to any of the exemptions of Section 20.6.2.3105 NMAC.
5. Data collected from on-site monitoring wells document ground water contamination attributed to one or more sources at this dairy facility. Ground water quality standards for NO₃-N, Cl and TDS have been exceeded according to the criteria of Sections 20.6.2.3101 and 20.6.2.3103 NMAC.
6. The Discharge Permit for this facility last issued on October 9, 2001 (before the effective date of the Dairy Rule of December 31, 2011) required the wastewater impoundment system to have the capacity to store the volume of wastewater discharged at the

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maximum daily discharge volume, for a minimum of 60 days, plus stormwater runoff and direct precipitation generated from the facility, while preserving two feet of freeboard.

7. The dairy facility was existing as of the effective date of the Dairy Rule (December 31, 2011) and does not measure the volume of wastewater discharged to wastewater impoundment(s) using a flow meter installed on the discharge line(s) from all wastewater sources to the wastewater impoundment(s).
8. This Discharge Permit contains requirements associated with the following potential contaminant sources as identified in the application and the administrative record as of the effective date of this Discharge Permit:
 - a) Combination Wastewater/Stormwater Impoundments
 - i. **Northwest Impoundment** - authorized for use by this Discharge Permit.
 - b) Stormwater Impoundments
 - i. **East Impoundment** - authorized for use by this Discharge Permit.
 - ii. **West Impoundment** - authorized for use by this Discharge Permit.
 - c) Fields within the Land Application Area
 - i. **Center Pivot Field** - authorized for use by this Discharge Permit.
 - ii. **Flood Field** - authorized for use by this Discharge Permit.

III. APPLICABLE RULES

Sections 20.6.2.3000 through 20.6.2.3114 NMAC and Part 20.6.6 NMAC (Dairy Rule) apply to discharges specific to dairy facilities and their operations.

IV. DISCHARGE PERMIT REQUIREMENTS

The permittee is authorized to discharge water contaminants pursuant to this Discharge Permit which contains requirements authorized or specified by the Dairy Rule. The permittee shall comply with the Dairy Rule and this Discharge Permit, which are enforceable by NMED. The permittee is authorized to discharge water contaminants subject to the following requirements:

AUTHORIZATION TO DISCHARGE

1. The permittee is authorized to discharge up to 60,000 gpd of wastewater from the production area. Wastewater flows to a primary concrete sump and is pumped through a solids screen separator to a settling separator and collected in a secondary concrete sump. Wastewater is pumped from the secondary concrete sump to a synthetically lined impoundment for storage prior to being land applied by flood and center pivot irrigation to up to 160 acres of irrigated cropland under cultivation.
2. The permittee is authorized to use the following impoundments for the following purposes in accordance with Subsection B of 20.6.6.20 NMAC.

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- a) **Northwest Impoundment** – authorized to receive wastewater and stormwater for storage prior to land application. This impoundment exists as of the effective date of this Discharge Permit and is synthetically lined (40 mil).
 - b) **East Impoundment** – authorized to receive stormwater for collection. This impoundment exists as of the effective date of this Discharge Permit and is synthetically lined (40 mil). Stormwater shall be pumped to the Northwest Impoundment for storage prior to land application.
 - c) **West Impoundment** – authorized to receive stormwater for collection. This impoundment exists as of the effective date of this Discharge Permit and is synthetically lined (40 mil). Stormwater shall be pumped to the Northwest Impoundment for storage prior to land application.
3. The permittee is authorized to apply wastewater to all fields within the land application area in accordance with Subsections B, C and I of 20.6.6.21 NMAC. The land application area consists of the following fields for a total land application area of 160 acres.
- a) **Center Pivot Field** – consists of 80 acres; applied by center pivot irrigation. This field was authorized by the last Discharge Permit prior to the effective date of the Dairy Rule (December 31, 2011) to receive wastewater and stormwater, and has received wastewater and stormwater as of the effective date of this Discharge Permit.
 - b) **Flood Field** – consists of 80 acres; applied by flood irrigation. This field was authorized by the last Discharge Permit prior to the effective date of the Dairy Rule (December 31, 2011) to receive wastewater and stormwater, and has received wastewater and stormwater as of the effective date of this Discharge Permit.

DAIRY RULE TRANSITION REQUIREMENTS

4. The permittee shall have 90 days from the effective date of this Discharge Permit (**November 18, 2012**) to submit all the necessary information to comply with Sections 20.6.6.10 through 20.6.6.13 NMAC, in accordance with Subsection D of 20.6.6.35 NMAC. The permittee shall submit the necessary information by completing the application form for Renewal and/or Modification located at the following address:
- <http://www.nmenv.state.nm.us/gwb/NMED-GWQB-dairies.htm>

The following sections of the application form for renewal and/or modification shall be completed, and the form shall be signed by the permittee and notarized prior to submission.

- a) Introduction – *Applicant's Signature and Notary Certification only*
- b) Part I.A
- c) Part II.A.1
- d) Part II.A.2(a) and (b)
- e) Part II.B.1 through 5, 6 and 7

- f) Part II.C
- g) Part II.D.2
- h) Part II.D.3(a) and (b)
- i) Part II.E. 3
- j) Part II.F
- k) Part IV

ENGINEERING AND SURVEYING REQUIREMENTS

- 5. The permittee shall comply with the requirements of Section 20.6.6.17 NMAC and shall submit to NMED all information or documentation required by the applicable portions of Section 20.6.6.17 NMAC.

OPERATIONAL REQUIREMENTS

- 6. The permittee shall comply with the requirements of Sections 20.6.6.20 and 20.6.6.21 NMAC, and shall submit to NMED all information or documentation required by the applicable portions of Sections 20.6.6.20 and 20.6.6.21 NMAC.
- 7. The permittee shall provide written notice to NMED regarding any changes to the presence of lactating cows and/or the status of wastewater discharges at the facility in accordance with Subsection A of 20.6.6.20 NMAC (summarized in the table below).

| Activity | Notification of Estimated Date | Verification of Actual Date |
|-----------------------------------|---|--|
| Removal of Lactating Cows | Not required | Within 30 days of removal |
| Reintroduction of Lactating Cows | Not required | Within 30 days of reintroduction |
| Cessation of wastewater discharge | Not required | Within 30 days of cessation of discharge |
| Recommencement of Discharge | Minimum 30 days prior to recommencement | Within 30 days of recommencement |

- 8. Pursuant to Subsection D of 20.6.6.35 NMAC, the permittee shall have 90 days from the effective date of this Discharge Permit (**November 18, 2012**) to submit documentation in accordance with Subsection M of 20.6.6.20 NMAC to demonstrate that the existing flow meter(s) meets the requirements of Subsection M of 20.6.6.20 NMAC.
- 9. The permittee is authorized to use the following existing flow meter(s) provided that the requirements of Subsection M of 20.6.6.20 NMAC have been met.
 - a) **Land Application Meter** – located on the south side of the synthetically lined Northwest Impoundment to measure the volume of wastewater discharged from the production area to the land application area.

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10. The permittee is authorized to use the following existing flow meter(s) pursuant to the alternative requirements of Subsection N of 20.6.6.20 NMAC provided that the requirements of Subsection M of 20.6.6.20 NMAC have been met.
 - a) **Wash Pit meter** – located on the west side of the parlor to measure the volume of all fresh water contributing to the wastewater discharged to Northwest Impoundment providing an estimate of the volume of wastewater generated from the production area.
11. The permittee is authorized, pursuant to Subsection S of 20.6.6.20 NMAC, to land apply manure solids and composted material to the land application area. Manure solids and composted material shall be applied in accordance with the Nutrient Management Plan (NMP) required by Subsection I of 20.6.6.21 NMAC.
12. The permittee is authorized to blend wastewater with fresh irrigation water for land application using any of the methods provided in Subsection D of 20.6.6.21 NMAC. Fresh water may be added to a wastewater impoundment prior to land application in accordance with Subsection D of 20.6.6.21 NMAC.
13. The permittee shall remove crops from the following fields within the land application area using the following methods in accordance with Subsection I and J of 20.6.6.21 NMAC. Crops may be grazed prior to and between mechanical harvests, however, nitrogen removal credit shall not be taken for grazing activities unless a grazing plan is developed and submitted in accordance with Subsections I and J of 20.6.6.21 NMAC.
 - a) **Center Pivot Field** – crops shall be harvested mechanically.
 - b) **Flood Field** – crops shall be harvested mechanically.

The permittee shall submit an application for Discharge Permit Modification to NMED for any proposed changes to the method(s) of crop removal for any field within the land application area as required by Subsection K of 20.6.6.21 NMAC.

14. The permittee shall complete the following items and submit documentation to NMED as summarized in the following table:

| Item No. | Action Required and Submittal Due to NMED | Due Date | Citation |
|----------|--|--|------------------|
| A. | <u>Scaled Map of Dairy Facility – Updates:</u> Following completion of any additions or changes to the dairy facility which affect the items listed in Subsection U of 20.6.6.20 NMAC, the permittee shall update and resubmit the facility map. | Within 90 days of any addition or change. | 20.6.6.20.V NMAC |
| B. | <u>Nutrient Management Plan:</u> Develop and submit annual updates to the NMP. | Annually: May 1 | 20.6.6.21.I NMAC |

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| Item No. | Action Required and Submittal Due to NMED | Due Date | Citation |
|----------|--|--|---------------------|
| C. | <u>Backflow Prevention:</u> i) Complete installation of backflow prevention methods or devices. ii) Submit confirmation of installation. | November 18, 2012 February 16, 2013 | 20.6.6.21.M NMAC |
| D. | <u>Backflow Prevention by Reduced Pressure Principle</u> <u>Backflow Prevention Assembly – Inspection and Maintenance:</u> Submit copies of inspection and maintenance records and test results for each RP device, should the device be used to satisfy the requirements of Subsection M of 20.6.6.21 NMAC. | Annually: May 1 | 20.6.6.21.N NMAC |

GROUND WATER MONITORING REQUIREMENTS

15. The permittee shall comply with the requirements of Section 20.6.6.23 NMAC and shall submit to NMED all information or documentation required by the applicable portions of Section 20.6.6.23 NMAC.
16. Monitoring wells shall be constructed and completed in accordance with Subsection D of 20.6.6.23 NMAC.
17. Monitoring wells shall be permanently identified in accordance with Subsection C of 20.6.6.23 NMAC.
18. Pursuant to Subsection D of 20.6.6.35 NMAC, the permittee shall have 90 days from the effective date of this Discharge Permit (**November 18, 2012**) to submit the information required by Paragraph (6) of Subsection A of 20.6.6.23 NMAC to verify that monitoring wells in existence as of the effective date of this Discharge Permit and prior to the effective date of the Dairy Rule (December 31, 2011) are appropriate for continued use for ground water monitoring.

The permittee is authorized to use the following monitoring well(s) provided that the requirements of Paragraph (6) of Subsection A of 20.6.6.23 NMAC are met.

- a) **MW-70/86/340-1**, hydrologically upgradient of all contamination sources at the dairy facility and north of the land application area.
- b) **MW-70-1**, hydrologically upgradient of the production area including the Northwest Impoundment.
- c) **MW-70-2**, hydrologically downgradient of Northwest Impoundment and East Impoundment.
- d) **MW-70-3**, hydrologically downgradient of Center Pivot Field within the land application area.

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19. The permittee shall complete the following items and submit documentation to NMED as summarized in the following table:

| Item No. | Action Required and Submittal Due to NMED | Due Date | Citation |
|----------|--|---------------------------------|------------------------------------|
| A. | <p><u>Ground Water Monitoring – Existing Stormwater Impoundments:</u></p> <p>Install the following monitoring wells within 75 feet hydrologically downgradient of the top inside edge of each <u>existing</u> stormwater impoundment:</p> <p>i) MW-4, hydrologically downgradient of West Impoundment.</p> | <p>December 18, 2012</p> | <p>20.6.6.23.A(3) NMAC</p> |
| B. | <p><u>Ground Water Monitoring – Existing Land Application Area:</u></p> <p>Install the following monitoring wells within 50 feet hydrologically downgradient of the downgradient boundary of <u>existing</u> fields within the land application area:</p> <p>i) MW-5, hydrologically downgradient of flood field within the land application (north 40 acres). ii) MW-6, hydrologically downgradient of flood field within the land application (south 40 acres).</p> | <p>December 18, 2012</p> | <p>20.6.6.23.A(4) (a) NMAC</p> |
| C. | <p><u>Ground Water Sampling and Reporting – Routine:</u></p> <p>Collect and analyze ground water samples quarterly from all monitoring wells identified in this Discharge Permit. Sampling shall be performed and results submitted in accordance with Subsection F of 20.6.6.23 NMAC.</p> | <p>Quarterly</p> | <p>20.6.6.23.G</p> |
| D. | <p><u>Ground Water Sampling – New Monitoring Wells:</u></p> <p>Collect ground water samples from monitoring wells required to be installed within <i>120 days of the effective date of the Discharge Permit</i>. Sampling shall be performed in accordance with Subsection F of 20.6.6.23 NMAC using the following monitoring wells required to be installed in the following locations:</p> <p>i) MW-4, hydrologically downgradient of West Impoundment. ii) MW-5, hydrologically downgradient of flood field within the land application (north 40 acres). iii) MW-6, hydrologically downgradient of flood field within the land application (south 40 acres).</p> | <p>January 17, 2013</p> | <p>20.6.6.23.H NMAC</p> |
| E. | <p><u>Monitoring Well Survey and Ground Water Flow Determination:</u></p> <p>Survey monitoring wells to a USGS benchmark.</p> | <p>January 17, 2013</p> | <p>20.6.6.23.I NMAC</p> |
| F. | <p><u>Monitoring Well Completion Report:</u></p> <p>Submit a monitoring well completion report for monitoring</p> | <p>February 16,</p> | <p>20.6.6.23.J</p> |

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| Item No. | Action Required and Submittal Due to NMED | Due Date | Citation |
|----------|--|------------------|---------------------|
| | wells required to be installed <i>within 120 days of the effective date of the Discharge Permit</i> . The report shall include information from all monitoring wells. | 2013 | NMAC |
| G. | <u>Ground Water Elevation Contour Maps:</u> Develop and submit ground water elevation contour maps on a quarterly basis using data collected from all monitoring wells used for ground water monitoring at the dairy facility. | Quarterly | 20.6.6.23.L NMAC |

MONITORING REQUIREMENTS

20. The permittee shall comply with the requirements of Sections 20.6.6.24 and 20.6.6.25 NMAC, and shall submit to NMED all information or documentation required by the applicable portions of Sections 20.6.6.24 and 20.6.6.25 NMAC.
21. The permittee shall submit monitoring reports to NMED on a quarterly schedule that contain monitoring data and information collected pursuant to the Dairy Rule and submitted in accordance with Subsection A of 20.6.6.24 NMAC.

Quarterly monitoring reports shall be submitted according to the following schedule:

- January 1 through March 31 (first quarter) – report due by **May 1**
- April 1 through June 30 (second quarter) – report due by **August 1**
- July 1 through September 30 (third quarter) – report due by **November 1**
- October 1 through December 31 (fourth quarter) – report due by **February 1**

22. The permittee shall perform the following monitoring and submit to NMED the required documentation in monitoring reports as summarized in the following table:

| Item No. | Action Required and Submittal Due to NMED | Due Date | Citation |
|----------|--|------------------|---------------------|
| A. | <u>Wastewater Volume Estimation and Reporting:</u> Using a flow meter(s) installed on the fresh water supply line(s), measure the volume of all sources contributing to the wastewater discharged to the impoundment(s) authorized to contain wastewater. Submit the meter readings (without adjustments or deductions in accordance with Subsection N of 20.6.6.20 NMAC). | Quarterly | 20.6.6.24.C NMAC |
| B. | <u>Stormwater Sampling and Reporting:</u> Collect and analyze stormwater samples on a quarterly basis from each stormwater impoundment and submit results. | Quarterly | 20.6.6.24.D NMAC |
| C. | <u>Flow Meter Field Calibration:</u> Perform flow meter field calibrations annually and submit a | Annually: | 20.6.6.24.E |

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| Item No. | Action Required and Submittal Due to NMED | Due Date | Citation |
|----------|---|--------------------|---------------------|
| | flow meter field calibration report. | May 1 | NMAC |
| D. | <p><u>Volume of Wastewater and Wastewater/Stormwater Land Applied – Measurement and Reporting:</u></p> <p>Measure the volume of all wastewater discharges to each field within the land application area using a flow meter(s) and submit the information.</p> | Quarterly | 20.6.6.25.A NMAC |
| E. | <p><u>Wastewater to be Land Applied – Sampling and Reporting:</u></p> <p>The permittee shall collect a representative wastewater sample (consisting of eight subsamples) from each wastewater or combination wastewater/stormwater impoundment. Analyze each representative wastewater sample on a quarterly basis and submit results.</p> | Quarterly | 20.6.6.25.C NMAC |
| F. | <p><u>Manure Solids – Nitrogen Content:</u></p> <p>Should a permittee choose to use actual nitrogen content values of on-site manure solids for the purpose of applying to the land application area, the permittee shall collect and analyze samples annually, and submit results.</p> | Quarterly | 20.6.6.25.D NMAC |
| G. | <p><u>Irrigation Water – Sampling, Volume Applied and Reporting:</u></p> <p>Collect and analyze fresh irrigation water samples on an annual basis from each irrigation well associated with the land application area. Estimate the annual volume of irrigation water applied to each field from each well. Submit estimated volumes and analytical results.</p> | Annually: May 1 | 20.6.6.25.E NMAC |
| H. | <p><u>Fertilizer Application Reporting:</u></p> <p>Maintain and submit a log of all additional fertilizer applied to each field within the land application area.</p> | Quarterly | 20.6.6.25.F NMAC |
| I. | <p><u>Land Application Data Sheets:</u></p> <p>Complete and submit land application data sheets (LADS) for each field within the land application area.</p> | Quarterly | 20.6.6.25.G NMAC |
| J. | <p><u>Crop Yield Documentation:</u></p> <p>Submit crop yield documentation and plant and harvest dates of each crop grown.</p> | Quarterly | 20.6.6.25.H NMAC |
| K. | <p><u>Nitrogen Concentration of Harvested Crop:</u></p> <p>Determine the percent total nitrogen and dry matter of each harvested crop and submit results.</p> | Quarterly | 20.6.6.25.I NMAC |
| L. | <p><u>Nitrogen Removal Summary of Harvested Crop:</u></p> <p>Develop and submit a nitrogen removal summary for each crop grown on each field within the land application area.</p> | Quarterly | 20.6.6.25.J NMAC |
| M. | <u>Soil Sampling – Initial Event in a Discharge Permit</u> | | |

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| Item No. | Action Required and Submittal Due to NMED | Due Date | Citation |
|----------|---|----------------------------|---------------------|
| | Term: Collect and analyze <u>initial</u> soil samples from each field in the land application area for the first soil sampling event during the first year following the effective date of this Discharge Permit. Submit the results. | May 1, 2013 | 20.6.6.25.K NMAC |
| N. | Soil Sampling – Routine: Collect and analyze <u>routine</u> soil samples annually from each field in the land application area beginning the year following the initial sampling event. Submit the results. | Annually: May 1 | 20.6.6.25.L NMAC |

CONTINGENCY REQUIREMENTS

23. The permittee shall comply with the requirements of Section 20.6.6.27 NMAC and shall submit to NMED all information or documentation required by the applicable portions of Section 20.6.6.27 NMAC.

CLOSURE REQUIREMENTS

24. The permittee shall comply with the requirements of Section 20.6.6.30 NMAC and shall submit to NMED all information or documentation required by the applicable portions of Section 20.6.6.30 NMAC.

GENERAL REQUIREMENTS

25. The permittee shall operate in a manner such that standards and requirements of Sections 20.6.2.3101 and 20.6.2.3103 NMAC are not violated.
26. The permittee shall retain required records for a minimum period of 10 years from the date of sample collection, measurement, report or application in accordance with Section 20.6.6.33 NMAC.
27. Transfer of a Discharge Permit for a dairy facility shall be completed in accordance with Section 20.6.6.34 NMAC.
28. To renew this Discharge Permit, the permittee shall submit an application for renewal, renewal and modification, or renewal for closure at least one year prior to the expiration date of the Discharge Permit in accordance with Section 20.6.6.10 NMAC.
29. In accordance with Subsection A of 20.6.6.9 NMAC, the permittee shall remit a permit fee payment equal to one-tenth of the applicable permit fee from Table 1 of Section

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20.6.2.3114 NMAC on the first occurrence of August 1 after the effective date of the Discharge Permit, and annually thereafter until expiration or termination of the Discharge Permit.

V. ADDITIONAL CONDITIONS

In addition to the requirements of 20.6.6 NMAC, the permittee shall comply with the following conditions as authorized by Subsection H of 20.6.6.10 NMAC pursuant to Section 74-6-5 WQA. A hearing may be requested on additional conditions in accordance with Section 20.6.6.15 NMAC.

1. This Discharge Permit does not contain additional conditions.

VI. PERMIT ISSUANCE

Pursuant to WQA 74-6-5(I), the term of this Discharge Permit shall be for the fixed term of five years from the effective date of the Discharge Permit.

Issued by: New Mexico Environment Department

Effective Date: **August 20, 2012**

Expiration Date: **August 20, 2017**



JERRY SCHOEPPNER

Chief, Ground Water Quality Bureau

New Mexico Environment Department