NMP Technical Review
New Mexico General Permit No. NMG010000

Facility Name: Dominguez Dairy #2
P.O. Box 21
Mesquite, New Mexico 88048

Permit No.: NMG010054

Type (ex: dairy, non-dairy cattle, etc): Dairy Cattle (Large CAFO)

County: Dona Ana

If located in Bernalillo, Chavez, Eddy, Sandoval, San Juan, or Valencia county, is EAP and metals testing included in NMP in accordance with Part III.D.8? N/A

Previously permitted: Yes

Noteworthy enforcement action: No
If no, previous permit no.: NMG010054

Receiving stream: Mossman Arroyo – 12 digit WBD HUC 130301020801

Impaired waterbody: No

If so, for what pollutant(s): No

EPA approved or established TMDL: No

Antidegradation: No
Stream listed as Tier 2/2.5: No
Stream listed as Tier 3: No

NMP developed by certified specialist: Yes

NMP elements (other than land application and adequate storage) technically complete: Yes

Employee Training: Yes

Additional comments: No

NOI/NMP Administrative Review Check List
New Mexico General Permit No. NMG010000

Facility Name: Dominguez Dairy #2
Permit Number: NMG010054

NOI (Form 2B) administratively complete: Yes
NMP included: Yes
NMP administratively complete: Yes

<table>
<tr><th>FEDERAL REGULATIONS</th><th>LOCATION IN NMP / COMMENTS</th></tr>
<tr><td>40 CFR Part 122.42(e)(1)(i): Ensure adequate storage of manure, litter, and process wastewater</td><td>Table 1.1: Retention Control Structure (RCS) Summary
<table>
<tr><th>RCS #</th><th>Required Capacity without</th><th>Actual Capacity without Freeboard (ac-</th><th>Actual Capacity without Freeboard (gals)</th></tr>
<tr><td>PWRS</td><td>2.26</td><td>4.38</td><td>1,427,130</td></tr>
<tr><td>RCS</td><td>7.0</td><td>7.54</td><td>2,456,749</td></tr>
<tr><td>EVAP-1</td><td>—</td><td>77.80</td><td>25,349,481</td></tr>
</table></td></tr>
<tr><td>40 CFR Part 122.42(e)(1)(ii): Mortality management.</td><td>The facility will properly dispose of dead animals within three (3) days. Mortalities must not be disposed of in any liquid manure or process wastewater system that is not specifically designed to treat animal mortalities. Animals shall be disposed of in a manner to prevent contamination of waters of the United States or creation of a public health hazard.

This facility uses composting and rendering for mortality management.</td></tr>
<tr><td>40 CFR Part 122.42(e)(1)(iii): clean water diversion.</td><td>The facility will ensure that clean water resulting from a 25-year, 24-hour storm event is diverted, as appropriate, from the production area.

This facility uses channels to divert clean water. NMDOT and Dona Ana county Flood Control District have established drainage control features to divert and drain off-site stormwater runoff around this facility.</td></tr>
<tr><td>40 CFR Part 122.42(e)(1)(iv): Prevent direct contact of animals with water of US.</td><td>Animals confined at the CAFO shall not be allowed to come into direct contact with waters of the United States.

This facility does not have water flowing through the production area and the animals on this facility do not have access to water of the US.</td></tr>
<tr><td>40 CFR Part 122.42(e)(1)(v): Chemical handling.</td><td>The CAFO will ensure that chemicals and other contaminants handled on-site are not disposed of in any manure, litter, process wastewater, or storm water storage system unless specifically designed to treat such chemicals or contaminants. All wastes from dipping vats, pest and parasite control units, and other facilities utilized for the management of potentially hazardous or toxic chemicals shall be handled and disposed of in a manner sufficient to prevent pollutants from entering the manure, litter, or process wastewater retention structures or waters of the United States.</td></tr>
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FEDERAL REGULATIONS	LOCATION IN NMP / COMMENTS
40 CFR Part 122.42.(e)(1)(vi): conservation practices, including buffers to control runoff **40 CFR Part 412.4(c)(5):** Setback requirements for down-gradient surface waters, open tile line intake structure, sinkhole, agricultural well head, or other conduit to surface water: 100 ft setback, 35 ft vegetative buffer, or compliance alternative.	Dominguez Dairy No. 2 does not land apply and uses total evaporation for handling manure. Conservation practices are not applicable for managing run-off at this facility. Agriculture monitoring wells are owed by the State and are enshrouded, elevated (2 – 2 ½ ft.) and locked with a lid.
40 CFR Part 122.42(e)(1)(vii): protocols for testing of manure, soil, litter, or process wastewaters.	Analysis of manure, litter, and process wastewater to determine nitrogen and phosphorus content. At least annually after initial sampling Analysis of soil in all fields where land application activities are conducted to determine phosphorus content. Annually as part of narrative approach. This facility refers to the state nutrient management technical standard for the specific analyses to be used. Recommended method(s) found in Manure Management Publications/Manure Characteristics: Section 1 Second Edition MWPS-18-S1; http://www.mwps.org/.As guidance, samples may be collected and prepared according to New Mexico State University (NMSU) Extension Guide A-114; http://aces.nmsu.edu/pubs/howto/howto.html. Soil test analysis shall be performed according to NMSU Extension Guide A-122 and Table 7.
40 CFR Part 412.4(c)(2): NMP must incorporate determination of application rates	The manure and nutrient production for the dairy was calculated using ASABE Standards (ASABE D384.2 MAR05, Table 1.b – Section 3). Table 3.3, entitled Estimated Manure Production Data for a Dairy Facility, is included as a summary of the annual manure and nutrient production for the facility. The totals in Table 3.3 represent as-excreted manure and nutrient values for the maximum head count shown in the application. This data is intended for planning and design purposes and is not to be used for whole-farm nutrient mass balance calculations. Manure is transferred to a third party hauler for beneficial use. All open lot pen manure is dry scraped and stockpiled in the pen area. Manure is periodically removed from the pens by a contract manure hauler.
40 CFR Part 122.42(e)(1)(viii): protocols for land application.	The facility operates as a total evaporation facility. Manure solids and on occasion wastewater will be transferred to Dominguez Dairy #1 per the conditions of that facility's NMP. Manure solids also are transferred off-site to a third-party for beneficial use.
40 CFR Part 412.4(c)(4): NMP must incorporate inspection of land application for leaks	Visual inspections of water lines, rain gauges, impoundments, and stormwater diversion devices is incorporated into the NMP.
40 CFR Part 122.42(e)(1)(ix): record keeping.	The permittee shall inspect, monitor, and record the results of such inspection and monitoring in accordance with Table 5.1 in the permit.
Legible site map: of the production area (including, at a minimum, the animal confinement area, the manure storage area, the	Figure 2.1, entitled Vicinity Map, is a seamless, high-quality map. The location of the facility is depicted on the map.

FEDERAL REGULATIONS	LOCATION IN NMP / COMMENTS
raw materials storage area, and the waste containment area), and the land application area. The map must also include flow direction, an outline of drainage areas to the process wastewater retention or control structures, structural controls, and surface water bodies.	Figure 2.2, entitled USGS 7.5-Minute Quadrangle Map is a seamless, high-quality copy of the 7.5-minute USGS quadrangle map, that depicts the boundaries of land owned, operated, or controlled by the permittee and used as part of the concentrated animal feeding operation and all springs, lakes, or ponds located on-site and within one mile of the facility boundaries. Figure 2.3, entitled Site Map, is a scaled drawing depicting the locations of the following information: Location of the facility and associated waste retention structures, and associated land application sites near the facility. The site map will be maintained in the on-site PPP and updated on an as-needed basis. Figure 2.4 is a map obtained from the FEMA Map Service Center.
Signature. The NMP shall be signed by the owner/operator or other signatory authority in accordance with Part VI.E (Signatory Requirements) of this permit.	Signature from VP of this facility