

**NMP Technical Review**  
**New Mexico General Permit No. NMG010000**

**Facility Name:** Del Oro Dairy  
1025 East O'Hara Road  
Anthony, New Mexico

**Permit No.:** NMG010026

**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.:** NMG010026

**Receiving stream:** Lower Rio Grande Watershed Basin – Hydrologic Unit Code No. 13030102

**Impaired waterbody:** No

**If so, for what pollutant(s):** N/A

**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:** Employees responsible for permit compliance activities will be trained twice yearly. Training topics may include land application, facility operation and maintenance, housekeeping, materials management procedures, record keeping, and spill response and clean up. Different levels of personnel may receive training for different topics. Employees new to permit compliance activities will be trained prior to beginning any compliance activity. Training Sessions will be held the first week of March annually. Dates, topics, and personnel present will be recorded on the employee training log and kept in the NMP.

**Additional comments:** No

**NOI/NMP Administrative Review Check List**  
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**Facility Name:** Del Oro Dairy  
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NOI (Form 2B) administratively complete: Yes

NMP included: Yes

NMP administratively complete: Yes

FEDERAL REGULATIONS	LOCATION IN NMP / COMMENTS			
<b>40 CFR Part 122.42(e)(1)(i):</b> Ensure adequate storage of manure, litter, and process wastewater	Storage Structure	Type of Storage	Gallons	# of Days
	Evaporative Pond (WRP-A)	Wastewater	7,167,600	60+
	Evaporative Pond (WRP-B)	Wastewater	14,500,000	60+
	Runoff Pond (WRP-C)	Storm water	2,665,000	NIA
	Runoff Pond (WRP-D)	Storm water	1,462,800	NIA
<b>40 CFR Part 122.42(e)(1)(ii):</b> Mortality management.	All animals are hauled off daily to a renderer. Name and address of the renderer is recorded in the CNMP. Compost procedures are attached. Composting of dead animals will be an alternative method used if the renderer fails to pick up the dead animals. Records of dead animal numbers are recorded in the log in CNMP. Compost will be hauled off to a 3rd party. Tonages and 3rd party name and address will be recorded in the CNMP in the records section.  Whole Cow Composting procedures are included.			
<b>40 CFR Part 122.42(e)(1)(iii):</b> clean water diversion.	There is a berm around the perimeter of the dairy. (See Site Plan Map in Maps Section). Water is diverted from entering the production area to the arroyo that runs through the dairy. The entire site is used in the runoff calculations for sizing the two storm water runoff ponds.			
<b>40 CFR Part 122.42(e)(1)(iv):</b> Prevent direct contact of animals with water of US.	Animals do not have access to waters of the US. All animals are confined in a fenced open lot system.			
<b>40 CFR Part 122.42(e)(1)(v):</b> Chemical handling.	Chemicals are stored in the proper containers. Cleaning agents used in the wash up are stored in the milk barn in totes or drums. Iodine is stored in a bulk tank. Diesel fuel is stored in tanks. Engine oil is stored inside the shop area in 55 gallon drums. All used oil is hauled off. Bags of absorbent material is kept on site.  The following procedures are used if a spill occurs: 1. Spill extent will be assessed. 2. Call for help if needed. 3. Use a skid loader or tractor with blade to contain or divert spill if possible. 4. Complete the cleanup and repair the necessary components.  Emergency contacts and procedures are described in the Emergency Action Plan.			
<b>40 CFR Part 122.42.(e)(1)(vi):</b> conservation practices, including buffers to control runoff	Del Oro Dairy utilizes total evaporation therefore there is no land application. There is a berm around the dairy and arroyo to ensure no runoff leaves the property or runs into the arroyo. (See large scale Site Plan Map in Maps Section.)			

FEDERAL REGULATIONS	LOCATION IN NMP / COMMENTS
<p><b>40 CFR Part 412.4(c)(5):</b> 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.</p>	<p>Refer above.</p>
<p><b>40 CFR Part 122.42(e)(1)(vii):</b> protocols for testing of manure, soil, litter, or process wastewaters.</p>	<p>Manure samples are taken annually. The first dry layer of manure is scraped away before the sample is taken. A minimum of ten samples are taken throughout the pens and combined for a composite sample. Samples are sent to the laboratory for analysis.</p> <p>Litter is not used at this facility.</p> <p>Process wastewater samples are taken annually. A contracted consultant takes a sample from the storage lagoon for testing.</p> <p>No crops are grown; therefore, no soil samples are taken.</p>
<p><b>40 CFR Part 412.4(c)(2):</b> NMP must incorporate determination of application rates</p>	<p>The Land Application section is not applicable to this facility. Del Oro Dairy utilizes Total Evaporation for process wastewater. All manure is transferred to 3rd party farmers. A copy of the manure analysis is given to the 3rd party farmers. The process wastewater storage system was designed for the use of 20,000 gallons per day. Del Oro discontinued the use of a wash pen in 2007, therefore greatly reducing the amount of process wastewater generated.</p>
<p><b>40 CFR Part 122.42(e)(1)(viii):</b> protocols for land application.</p>	<p>No land application if authorized</p>
<p><b>40 CFR Part 412.4(c)(4):</b> NMP must incorporate inspection of land application for leaks</p>	<p>Daily water line inspection log</p>
<p><b>40 CFR Part 122.42(e)(1)(ix):</b> record keeping.</p>	<p>Record keeping requirements included</p>
<p><b>Legible site map:</b> of the production area (including, at a minimum, the animal confinement area, the manure storage area, the 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.</p>	<p>Facility Maps Topographic Map Soils Map Contour Map Wastewater Treatment pond as-built descriptions</p>
<p><b>Signature.</b> The NMP shall be signed by the owner/operator or</p>	<p>Edward DeRuyter – Del Oro Owner/Operator</p>

FEDERAL REGULATIONS	LOCATION IN NMP / COMMENTS
other signatory authority in accordance with Part VI.E (Signatory Requirements) of this permit.	