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**New Mexico AFO/CAFO Fact Sheet 3
 December 2012**

Initial Planning for Liners

The purpose of this document is to provide documentation of an **initial** estimate of synthetic lining requirements for a waste storage pond. This is a planning estimate and it is not to be used as a material purchasing document. The primary use of this document is to ensure the dairy producer/feedlot operator has an indication of the size of lining that may be required prior to entering into an EQIP contract.

Step 1:

Determine if a discharge permit has been issued by New Mexico Environment Department. If a permit has been issued, please fill-in the following blanks:

Permit Number	
Expiration Date of Permit	
Number of gallons per day permitted to be discharged	
Facility Name	

Step 2:

Determine the types and number of animals currently involved.

Heifers	
Milking Cows	
Dry Cows	
Slaughter or Feeder Cattle	

Step 3:

Determine type of Waste Storage Facility (pond) anticipated to be constructed.

Milking Parlor Flow ONLY and storage will be used on adjacent fields	
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Storm Runoff Pond ONLY and storage will be used on adjacent fields	
Combined Parlor Flow AND Storm Runoff and storage will be used on the fields	
Milking Parlor Flow ONLY and no storage will be used on adjacent fields (<u>evaporative pond</u>)	
Storm Runoff Pond ONLY and no storage will be used on adjacent fields (<u>evaporative pond</u>)	
Combined Parlor Flow AND Storm Runoff and no storage will be used on the fields (<u>evaporative pond</u>)	

Step 4:

Determine approximate size (in acres) that will be drained into a storm water runoff pond.

Penned Area	
Feedlot Area	
Paved Area	

Step 5:

Using the entries from Steps 1 through 4 and the Pond Sizing Spreadsheet developed by New Mexico NRCS, determine the approximate area of synthetic lining that may be required and the preliminary pond volume requirements.

Type of Pond Assumed	
Area of Synthetic Lining estimated	
First Estimate of Pond Volume	

Type of Pond Assumed	
Area of Synthetic Lining estimated	
First Estimate of Pond Volume	

Type of Pond Assumed	
Area of Synthetic Lining estimated	
First Estimate of Pond Volume	

Step 6:

Discuss the results of Step 5 with the producer.

Document prepared by: _____

Date: _____

(This document is to be filed in the field office and it is not a binding document. A copy is to be provided to the preparer of the CNMP and a copy is to be sent to the State Conservation Engineer

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