

I. Project Overview

MilkSource has decided to expand and add a third site to their growing operation. They currently own and operate Tidy View and Omro Dairies, both WPDES permitted CAFOs in another part of the state. The chosen site for the newest and largest dairy operation in the state of Wisconsin is in rural Rosendale Township, Fond du Lac County.

The dairy complex will occupy approximately 100 acres in A-1 agriculture zoned area. The topography of the sparsely populated area is ideally suited for a large dairy. There are no unusual geographic features, karst features, surface water features, ERW, ORW or 303(d) impaired waters that will be impacted by this operation. The site development will be of existing crop acres only...no subsurface drainage or clearing of wood lots will be done to accommodate the new dairy.

The current proposal includes construction of new, state-of-the-art facilities for housing, feeding and milking 8000 dairy cows and 300 beef animals (11,500 AU). The matching cross-ventilated, 16 row freestall barns will be constructed flanking twin 80 cow rotary milking parlors. The manure from the barns, holding area(s), and covered walkways will be scraped into a cross-channel outfitted with end-to-end McLanahan push-pull augers. The sand-laden manure will be collected at a central building housing reception tanks, pumps, and side-by-side McLanahan mechanical sand separators. With the addition of a cyclone separator for removing even the finest sand particles, it is expected that 95% of the sand will be removed from the waste stream and captured for reuse as bedding.

Further treatment methods for the separation of manure solids and the liquid fraction have yet to be decided on. The options being considered are an anaerobic digester, Integrated Separation Solutions (ISS), and CSNRC nutrient partitioning and dissolved air flotation treatment systems. Turning manure into useful nutrients by partitioning also helps reduce smells, control flies, and improve sanitation to remain in good standing with neighbors and local environmental officials. All of these methods are currently in use at multiple dairies across the state and the country.

Of the 75.6 million gallons of manure, litter, and wastewater generated by the operation annually, R/C liquid-tight storage(s) for approximately 73 million gallons is being designed. The bermed storage structures will be situated behind the animal housing, barely visible to passers-by on County Highway M to the west and screened on the east by an untouched woodlot. The feed storage area north of the barns will also contain a shop, commodity storage building and truck scale. The bunkers for corn silage and covered piles of haylage will all drain towards a collection/trap system that was designed and is in use at one of the other dairies. It has proven to be very effective in capturing low flow leachate, floatable solids (waste feed) and first flush (1/2" of each rainfall event).

*where does other
2.5 mil gals go?*

All the runoff from the impervious surfaces is designed to drain towards the north to a series of settling basins and detention ponds. The combined Erosion Control and

required
Stormwater Management permit issued by the State of Wisconsin DNR (coverage under NR 216) has been applied for and issued (WI-S067831-3). The planned implementation of BMPs will assure compliance with NR 151 performance standards. The Fond du Lac County Erosion Control and Stormwater Management permit has been issued and compliance with local code Chapter 17 has been met. A building permit has been issued by the Town of Rosendale.

II. Physical Changes

The construction will be on-going and not completed until the fall of 2009. The first phase will be for 1 barn and 1 parlor to be completed to allow milking to begin at half capacity. The ancillary collection, transfer, separation and storage structures will be in place by the time cattle are on site. Much of the fill needed for building grades and berm compaction (approximately 500,000 cubic yards will be moved on site) will come from excavating the manure storage facilities. Initial soil borings, test pits and lab analysis were conducted indicating depths to groundwater, bedrock and P200 (percent fines) for initial design considerations. The remaining number of soil samples/logs will be done as required in NRCS Standard 313 and submitted with completed Plans and Specifications for review and approval 90 days prior to construction. The Fond du Lac County Manure Storage permit will be applied for concurrently.

with ~~other~~ plan + spec submittal
Although there is clayey material on site ($PI > 12$ and $P200 > 50\%$ fines) it has been determined that reinforced concrete with waterstop and joint spacing consistent with the subgrade drag theory, built in material $> 20\%$ fines, will meet or exceed Table 5 criteria in practice Standard 313 and is a better suited type of storage structure for the low solids wastewater that will ultimately be stored in the facilities. The construction activities are anticipated to last approximately 9 months during which time there will be an increase in traffic on the county road. The silt fence around the perimeter, the tracking pads at the 2 entrance/exits from the site as well as the sediment basin will prevent sediment and mud from leaving the site. Stockpiled topsoil will be used on the site when final grading and seeding are done. During dry periods when dust may be a nuisance, the traffic areas will be wetted to keep the dust down. Any mud tracked onto the county road will be cleaned up at the end of each work day. Access roads will eventually be paved so the dustiness is expected to be a temporary issue.

A high capacity well permit (form 3300-256) has been completed for review by the DNR. Four wells will be rotary drilled to a depth of approximately 500 feet. The only known existing well in proximity to the site is across the road. Investigation has shown it to be 142 feet deep with the pumping surface 120 feet below the surface. There are no community water wells in the vicinity. The four proposed 250 gpm wells will extend into a separate aquifer and will have no impact on any surrounding potable water wells. The proposed well sites meet all the setback and separation distances in NR 812, Wisconsin DNR well code.

A private sewage system is planned to serve the 50+ employees at the dairy. If suitable soil types and location for a mound system are available, that is the system of choice

preferred by the county. If not, a variance can be given for a holding tank. This is a permit that will be issued by Fond du Lac County.

III. Affected Environment

There are no blue-lines ^{outlines} that show up on USGS 7.5 minute quadrangle maps. The dairy complex and many of the 5400 acres that will be utilized for land application are in the West Branch of the Fond du Lac River Basin. As required by law, a Notice of Intent (NOI) to construct a new dairy was filed with the DNR. As part of the ^{stormwater - construction phase} permitting process, 5 checks (3 critical reviews) are completed before the permit is issued. The DNR database for endangered species (both terrestrial and aquatic) is checked. A mapping database for cultural concerns (historical and archeological) is checked with follow-up by Mark Dudzik, DNR Archaeologist, if warranted. A wetland review using Wisconsin Wetland Inventory (WWI) is conducted. Another database for possible remediation sites (excavation of documented contamination sites) is queried, the status of the nearest receiving water for inclusion on the list of Exceptional Resource Water (ERW), Outstanding Resource Water (ORW) or 303(d) impaired water, and finally Areas of Special Natural Resource Interest (ASNRI) is checked. This project had no "hits" in any of the above listed categories and was issued a permit. ^(stormwater - stormwater + erosion control)

There are several rural residences in the area. The occupants of these homes have been made aware of the expansion and have been given the opportunity to sell their property to MilkSource at fair market value. The new dairy will give a huge boost to the local economy by employing 50+ additional people and positively impacting the tax base. The need for local goods and services will increase dramatically and local business owners should see an influx of customers every day.

The daily operation of the dairy will result in an increase of vehicular traffic on county roads. Because of the sparse rural population and low density of buildings and businesses in the area, there should be minimal disruption in the normal day-to-day flow of commuter traffic. At the height of operation, there will be 10 tanker loads of milk leaving the dairy on a daily basis. There will be 1 load (5 days per week) of protein mix coming in for the feed rations. With 5000 acres of hay, 4 cuttings annually, approximately 2600 loads of haylage will be coming on site. The manure storage facilities only need to be emptied annually. 80 million gallons is equivalent to 13,000 semi truck loads. The increased frequency of truck traffic is temporary in nature and will occur at scheduled times of the month/year. With the accessible network of county roads and highways, it is not necessary for all the traffic to travel the same route. They will consistently not have to go through town and past the schools, but can take alternative routes.

There already has been inquiries to the DNR and the County via phone calls and several town informational meetings were held to field questions regarding the proposed operation. A tour of one of the existing dairies (Tidy View) has been hosted to acquaint interested persons with the MilkSource operations. Very few people took the time and opportunity to find out first hand that many of the rumors are unfounded. As with all

incomplete sentence
interested persons with the MilkSource operations. Very few people took the time and opportunity to find out first hand that many of the rumors are unfounded. As with all their dairies, the owners of MilkSource have adopted a "good neighbor policy" and are willing to continue to be open and forthcoming about their plans for Rosendale Dairy. With the latest, up-to-date technology that will be implemented on the dairy, the noise and odor impacts will be minimized. All precautions will be taken in designing systems with multiple back-ups and safety redundancies built in to assure local residents that everything possible is being done to safeguard their health and well-being as well as that of the animals and employees at Rosendale Dairy. MilkSource has an excellent track record of environmental compliance and neighbor friendly operation at their existing dairies.

IV. Alternatives

Several sites in the Rosendale, Fond du Lac County area were under consideration. The blocks of acreage/property owned by MilkSource will be utilized as land base for cropping and land application and support the operation of the dairy at its chosen location. There are no plans to expand or enlarge the Rosendale Dairy. The impacts to the environment from the proposed dairy have been minimized. There is no evidence that these minimal impacts would be further reduced by scaling down the size of the operation. The economies-of-scale and financial stimulus in the area would not be achievable by downsizing or relocating the dairy.

V. Wisconsin Pollutant Discharge Elimination System App. #3400-25 (attached)

VI. Stormwater Report

VII. Site Maps (attached)

WPDES Permit Number WI-	Expiration Date
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NOTICE: Use of this form is required by the Department for any application filed pursuant to chapter NR 243, Wis. Adm. Code, and section 283.53(3), Wis. Stats. The Department will not consider your application complete unless you complete and submit this application form. Penalties for failure to submit a completed form are established in ss. 283.89 and 283.91, Wis. Stats.

Section 283.91(4), Wis. Stats., provides that: Any person who knowingly makes any false statement, representation or certification in this application shall upon conviction be punished by a fine of not more than \$10,000 or by imprisonment for not more than 6 months or both. Personally identifiable information collected will be used for program administration. The Department may also provide this information to requesters under Wisconsin's open records law [ss. 19.31-19.39, Wis. Stats.].

- Read the attached instructions before filling out this form.
- Print or type the requested information, except for the signature.
- Return this form with your completed WPDES application to your regional Department contact.

A. LEGAL NAME FOR PERMIT ISSUANCE

Legal name of the operation or parent company to which the permit will be issued

ROSENDALE DAIRY, INC.

B. OPERATOR CONTACT INFORMATION

1. Legal Name of Farm/Operation
ROSENDALE DAIRY, INC.
2. Name of Operator or Manager
JIM OSTROM Title
PRESIDENT
3. Mailing Address-Street, Route or Box
N 3569 VANDEN BOSCH ROAD City/Town, State, Zip Code
KAUKANA, WIS. 54130
4. Telephone Number (include area code) Cell Phone Fax Number E-mail Address
920-766-5335 920-378-6127 920-766-3579 jostrom@milksource.net

C. PHYSICAL LOCATION OF OPERATION

1. Location Address (if different from mailing address in B3 above)
COUNTY ROAD M PICKETT, WIS. 54696
2. County Township Name Latitude Longitude
FOND DU LAC ROSENDALE 43.8719 88.7197
3. Town Number Range Number (E or W) Section Quarter Quarter/Quarter
16 N 15E 9 SW/SE NE/SE + NW/SW

D. PARENT COMPANY/OWNER INFORMATION (if applicable)

1. Name of Parent Company/Owner (if different from operator in B2 above)
2. Contact Person Title
3. Mailing Address-Street, Route or Box City/Town, State, Zip Code
4. Telephone Number (include area code) Cell Phone Fax Number E-mail Address

E. CROP CONSULTANT

1. Name of Crop Consultant Company/Title
JEFF POLENSKE POLENSKE AGRONOMIC CONSULTING, INC.
2. Mailing Address-Street, Route or Box City/Town, State, Zip Code
2121 EAST RIDGE HAVEN LN. APPLETON, WI. 54913
3. Telephone Number (include area code) Cell Phone Fax Number E-mail Address
920-858-5765 920-830-7626 jpolenske@aol.com

F. DESIGN ENGINEER

1. Name of Design Engineer Company/Title
GAIL LISSE, P.E. CRISPELL-SNYDER, INC.
2. Mailing Address-Street, Route or Box City/Town, State, Zip Code
2801 CROSSROADS DR. SUITE 2000 MADISON, WI 53718
3. Telephone Number (include area code) Cell Phone Fax Number E-mail Address
608-244-6277 262-903-0014 608-249-6615 lisseg@crispeil-snyder.com

Livestock/Poultry Operation WPDES* Permit Application

*Wisconsin Pollutant Discharge Elimination System

Form 3400-25

Rev. 5/07

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G. ANIMAL UNITS

1. Use the Animal Units Calculation Worksheet on page three of this form to determine the number of animal units held in confinement or feeding facilities for more than 45 days in a 12 month period. Include all sites under common ownership that a) are adjacent to the main farm, or b) share manure management, storage facilities, or spreading fields with the main farm. Be sure to include the date of any proposed expansions.

Check here after completing the Animal Unit Calculation Worksheet. The Calculation Worksheet must be included with the application.

2. List dates of all proposed expansions within the next five years (MM/YY):

Expansion 1: 8/15/08 Expansion 2: _____ Expansion 3: _____

H. TYPE OF CONFINEMENT FACILITIES/OUTDOOR VEGETATED AREAS

1. Animals at this operation are currently: In outdoor barnyard or feedlot *NO ANIMALS AT LOCATION PRIOR TO JULY 15*
 Housed under roof Both outdoor and partially housed under roof Outdoor vegetated area

2. Approximate area of outdoor lots: *NO OUTDOOR LOTS PROPOSED*

Area 1: _____ ft x _____ ft Area 2: _____ ft x _____ ft Area 3: _____ ft x _____ ft

I. TYPES OF MANURE STORAGE

1. Indicate all existing and proposed manure storage facility types. These may include earthen, earthen with a concrete floor, synthetically lined, concrete, steel above ground tank, below ground storage tank, anaerobic lagoon, roofed storage shed, underfloor storage, stacking slab (clay or concrete), unconfined manure stack, or other (specify).

	Existing or Proposed?	Storage type (see above)	Year built	Dimensions (ft)	Capacity (gals/tons)	Days of storage avail.
Facility 1	PROPOSED	CONCRETE	2008	210' x 1260'	25,808,917	106
Facility 2	PROPOSED	CONCRETE	2008	375' x 690'	36,616,622	152
Facility 3	PROPOSED	CONCRETE	2008	450' x 510'	34,872,031	145
Facility 4	PROPOSED	CONCRETE	2008	580' x 200'		
Facility 5		sand separation stack slab				
Facility 6						
Totals:						

J. MANURE DISPOSAL/TREATMENT

1. How much manure, litter and wastewater is generated annually by the operation? 75,628,000 tons/gallons (circle one)

How many tons of manure or litter, or gallons of wastewater produced by the CAFO will not be land applied but will be disposed of in an alternate manner? 0 tons/gallons (circle one) Describe alternate method: _____

2. Main Methods of Manure Disposal: Land application Composting Other (Specify) _____

3. Method of Land Application: Surface applied Incorporated Injected Spray irrigation

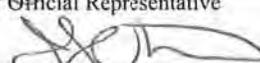
4. Average acreage available for spreading on an annual basis 3742.9 Acres* *additional acres will be added as herd size grows.*
 Total acres covered by the Nutrient Management Plan 3742.9 Acres

This application must be signed by an individual who is either an owner of the operation identified in B2 above or a corporate officer if the operation is incorporated.

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete and accurate.

Printed or Typed Name of Official Representative
JAMES J. OSTROW

Title
Pres

Signature of Official Representative


Date Application Signed
3/10/08

The Wisconsin Department of Natural Resources provides equal opportunity in its employment programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Equal Opportunity Office, Department of the Interior, Washington, D.C., 20240.

This publication is available in alternative format (large print, Braille, audio tape, etc.) upon request. Please call (608) 267-7694 for more information.

Animal Unit Calculations: Projected Number of AUs on Operation

Animal Type	I. Mixed Animal Units			II. Non-mixed Animal Units		
	b. Equiv. factor	c. Current Number	d. No. of AUs	e. Equiv. factor	f. Current Number	g. No. of AUs
Example - Broilers (non-liquid manure):	0.005 x	150,000	= 750	0.008 x	150,000	= 1200
Dairy/Beef Calves (under 400 lbs)	0.20 x		=	<i>Fed. numbers in this column comply with 40 CFR s. 122.23</i>		
Dairy Cattle	Milking & Dry Cows	1.40 x	8000 = 11200	1.43 x	8000	= 11440
	Heifers (800 lbs to 1200 lbs)	1.10 x				
	Heifers (400 lbs to 800 lbs)	0.60 x		1.00 x		
Beef	Steers or Cows (400 lbs to market)	1.00 x	300 = 300			
	Bulls (each)	1.40 x		1.00 x	300	= 300
Veal Calves	0.50 x		=	1.00 x		=
Swine	Pigs (up to 55 lbs)	0.10 x		0.10 x		=
	Pigs (55 lbs to market)	0.40 x				
	Sows (each)	0.40 x				
	Boars (each)	0.50 x		0.40 x		=
Chickens	Layers (each) -non-liquid manure system	0.01 x		0.0123 x		=
	Broilers/Pullets (each) -non-liquid manure system	0.005 x		0.008 x		=
	Per Bird -liquid manure system	0.033 x		0.0333 x		=
Ducks	Ducks (each) -liquid manure system	0.2 x		0.2 x		=
	Ducks (each) -non-liquid manure system	0.01 x		0.0333 x		=
Turkeys (each)	0.018 x		=	0.018 x		=
Sheep (each)	0.1 x		=	0.1 x		=
Horses (each)	2 x		=	2 x		=
Total Animal Units:	Total Mixed Animal Units = (add all rows above) 11500			Total Non-Mixed Animal Units = (Enter the single highest number from any row above; DO NOT add the totals) 11440		

Does operation need a WPDES permit? YES

Dates of Proposed Expansions (within the next 5 years) MM/YY 1 6/15/08 2 _____ 3 _____

ENVIRONMENTAL ANALYSIS QUESTIONNAIRE
Livestock/Poultry Operations

Rev. 1-9-04

Operation Name:	ROSENDALE DAIRY, INC.
Contact Person:	TODD WILLER
Title:	SECRETARY
Operation Legal Location:	SE Quarter 9 Section 16N Town 15E Range SW
Name of Township:	ROSENDALE County: FOND DU LAC
Operation Mailing Address:	COUNTY ROAD M PICKETT, WIS. 54696
Contact Person's Telephone Number:	920-766-5335 EXT. 222

Please fully complete each section of this questionnaire, answering each question thoroughly. Additional sheets of paper will be necessary to fully complete each question. This information will be used by the Department of Natural Resources to evaluate the impacts of your proposed project on the environment, and will supplement other materials in your application for a Wisconsin Pollutant Discharge Elimination System (WPDES) permit. If answers are incomplete or inadequate, the questionnaire will be returned to you for further information and permit issuance will be delayed.

PROJECT SUMMARY

1. Attach the following maps and/or scaled drawings which clearly identify the location of the proposed operation:

- a. Platbook map w/parcel numbers
- b. Soils map
- c. Wetland map NONE
- d. USGS Topographic map
- e. Site development drawings locating: surface waters, water supply wells, property boundaries, and other pertinent information

2. Provide a brief overview of the project: *see narrative

- a. Is this a proposal for a new operation, or an expansion of an existing site? NEW OPERATION
- b. What are the existing site's characteristics (include buildings, manure storage facilities, runoff control systems, etc. on site)? CROPLAND

- c. What changes will be made at this site? Fully describe what kind of buildings, access roads, manure storage structures, feed storage structures, etc., are to be constructed. Please include size of structures (miles/feet of road, volumes to be stored, etc.) **SEE ATTACHED SITE DEVELOPMENT PLAN.**
- d. What is the approximate timeline for construction? (When will construction be completed? When will the animal unit goals be reached?) **3/1/08 - 9/30/09**
- e. How much will traffic be increased during construction (short term) and/or as a result of increased transport of livestock, feed, milk, etc. (long term)? Describe any plans to address this increase in traffic. **CONSTRUCTION TRAFFIC WILL INCREASE IN THE SHORT TERM DURING THE CONSTRUCTION OF THE FACILITY. COORDINATION WITH FOND DU LAC COUNTY AND THE LOCAL TOWNSHIP WILL BE DONE BY THE OWNER TO ADDRESS SHORT TERM TRAFFIC ISSUES. LONG TERM TRAFFIC WILL BE IMPACTED BY BULK HAULING OPERATIONS.**

3. **Discuss the purpose or need for this project.** **EXPAND THE MILKSOURCE DAIRY OPERATION.**

4. **Provide the following** (from calculation sheet on Form 3400-25):

	Current Status (for new operations, enter 0 here and complete next column →)	Total after Expansions Completed (indicate the total after all proposed expansions to be completed within 5 yrs.)
Animal type(s):	0	DAIRY CATTLE & BEEF
Numbers of animal units:	0	11,500
Products to be marketed: (milk, eggs, feeder beef/swine, market ready beef/swine, etc.)	0	MILK & MARKET READY BEEF

5. **Estimate the project's cost.** Include land preparation, animal housing buildings, feed storage, manure storage handling facilities, and livestock. Provide an itemized list of estimated costs.

\$60,000,000. AN ITEMIZED LIST IS CONSIDERED PROPRIETARY BY THE OWNERSHIP.

6. **List all local, state, and federal permits and approvals which are required for completion of the project.** Refer to the enclosed 'Permit Checklist' and contact your local and state government agencies to determine which permits/approvals will be required.

- a. Town and County permits/approvals: **Town of Rosendale building permit, Fond du Lac county erosion control and stormwater permit, manure storage ordinance and private sewage system permit.**
- b. State and Federal permits/approvals: **DNR Erosion Control & Stormwater permit, High capacity Well permit, and WPDES water quality operational permit.**
- c. Will a floodplain or shoreland ordinance variance be needed to complete the project? [Note: The floodplain is defined as the area for which there is a one percent or greater probability of being flooded in any given year. Contact your Zoning Administrator with any questions about whether these ordinances apply to your project area and whether a variance or project alteration is needed.]

No

PROPOSED PHYSICAL CHANGES (More fully describe the proposal) *See narrative included**7. Discuss soil excavation and disturbance:**

- a. Please estimate how much earth will be disturbed during construction of buildings, manure storage facilities, and other structures (please report in both cubic yards *and* acres, and include any construction that has already begun). *100 ACRES / 500,000 C.Y.*
- b. For how many months will this disturbance occur? *9 MONTHS*
- c. Will any soil be stock piled for future use? What is the source of any fill material?
YES, TOPSOIL WILL BE STOCKPILED AND REUSED. FILL MATERIAL WILL BE GRANULAR FOR SUBGRADE FOUNDATIONS.
- d. Will access roads need to be established (or have any already been established)?
YES
- e. Will the operation require coverage under a DNR WPDES stormwater construction permit?
[Note: As of March 10, 2003, a WPDES stormwater permit is required for all projects that will disturb one acre or more. For agricultural operations, this does not include planting, cultivating, etc., but does include any building or construction projects. Before March 10, 2003, this permit is required for projects disturbing five acres or more.] *YES, ISSUED*

8. Discuss manure production on site and associated impacts: *See narrative

- a. Please estimate the amount of manure that will be produced on site annually (in tons for solids and gallons for liquids), and report that amount here. [Note: The attached worksheet can be used for this estimation, but is not required.] *75,628,000 gallons*
- b. Estimate the total pounds of nitrogen and phosphorus that will be produced annually.
1.9 MILLION POUNDS OF N. 630,000 POUNDS OF P₂O₅
- c. Report how much acreage is currently owned, and how much is rented for landspreading. After the proposed construction/expansion, what will the owned and rented acreage be? *1716 AC. CURRENTLY OWNED. MORE ACRES WILL BE CONTRACTED FOR PRIOR TO MANURE SPREADING.*
- d. Report the average acreage for spreading on an annual basis (both current and proposed).
CURRENTLY NO SPREADING. PROPOSED NEED FOR BAOO COWS - 5400 AC.
- e. In addition to landspreading manure, please describe any alternative manure disposal methods being proposed. *NONE AT THIS TIME.*
- f. Estimate quantities (gal/yr) of any proposed discharges to surface waters or wetlands (such as treated egg wash water or non-contact cooling water). *NONE*

9. Discuss air quality issues associated with the proposed construction/expansion: *See narrative

- a. How will odors from gaseous emissions be controlled (for example, emptying the pit when conditions are such that odors will be minimized, covering storage facilities, manure injection, siting storage facilities to take advantage of predominant breezes to keep odor away from housing, etc.)? *MANURE WILL BE SPREAD AND TILLED INTO THE GROUND. MANURE WILL BE SPREAD AS WEATHER PERMITS.*
- b. Will fugitive dust or other particulate matter arise from the proposed project? Are there any plans to address this concern? [Note: Fugitive dust is dust arising from a process that does not go through a fan or exhaust port.] *DUST ABATEMENT WILL BE ACCOMPLISHED BY WETTING ROADWAYS AND PAVING ACCESS DRIVES.*
- c. Will any hazardous pollutants (ammonia, hydrogen sulfide) be a concern arising from this project? Are there any plans to address this concern? *NONE AT THIS TIME*

10. Discuss water usage at the site during and after the construction process:

- a. Please report how many wells will be on the property, along with their locations and capacity. On average; how many gallons of water is the operation expected to use for livestock/poultry drinking and cleaning operations, and any other water uses (please report in gallons per minute *and* gallons per day)? [Note: 70 gal/min or more from all wells on the property combined may require a high capacity well permit.] *SEE ATTACHED SITE DEVELOPMENT PLAN. 88 MILLION PROPOSED CONSUMPTION THERE WILL BE 4 WELLS; 250 GPM, 360,000 GPD / WELL.*
- b. Will the construction process require a temporary dewatering approval (70 gal/min or more used only during the construction process)? *NO*
- c. Is there a private sewage system designed at the site for all human waste and employee/office water usage? If so, please describe its size and location. *IN THE PROCESS OF DEVELOPING A PLAN FOR A HOLDING TANK OR A MOUND SYSTEM.*
- d. What is the average depth of groundwater at this site? How was this determined (soil borings, soil book values, etc.)? *12-14' - SOIL BORINGS; SEE ATTACHED DATA
9 add'l completed 3/4/08; all will be included w/design*

AFFECTED ENVIRONMENT (Describe existing features that may be affected/impacted by the proposal.)

* see narrative included

11. Discuss any disturbance to water resources that will occur during the course of the project:

- a. Will any wetlands, streams, rivers, or lakes be disturbed? Please estimate the extent of the disturbance. (For example, how many feet/acre-feet of streams will be redirected or rechanneled? How many acres of wetlands will be impacted? etc.) *NONE*
- b. What are the names of any navigable waterways within the drainage area of the proposed operation and construction areas? Describe their proximities to these areas. *UNNAMED TRIBUTARY TO THE WEST BRANCH OF THE FOND DU LAC RIVER*
- c. Describe and locate any sub-surface drain tiles and ditches proposed to be installed. *SEE ATTACHED SITE DEVELOPMENT PLAN*
- d. In what watershed(s) do you propose to landspread manure (please use DNR-designated watersheds)? *WEST BRANCH OF THE FOND DU LAC RIVER*
- e. Name all waterbodies classified as Outstanding or Exceptional Resource Waters that are or will be affected by the operation (including watersheds that landspreading will occur within). [Note: Contact Ann Schachte at the Department of Natural Resources at 608-267-2301 or ann.schachte@dnr.state.wi.us.] *NONE*

12. To the best of your knowledge, describe the biological environment that may be affected by the proposal: [Note: The Department will supplement the information you provide here with data from its records.] *see narrative

- a. What are the current cover crops (including trees) and will these be affected, destroyed, or changed in any manner? *EXISTING CROPLAND WILL BE AFFECTED.*
- b. Describe any State Natural Areas or prime agricultural lands that may be disturbed. [Note: A list of State Natural Areas can be found at <http://www.dnr.state.wi.us/org/land/er/snas/bycountylist.htm>. Prime agricultural lands are designated on the USDA SCS/NRCS soil survey.] *NONE*
- c. What are the dominant aquatic species currently present in the waterbodies discussed in Section 11? Describe how these species may be affected, destroyed, or changed in any manner. *THE SITE DRAINS TO AN UNNAMED TRIBUTARY TO THE WEST BRANCH OF THE FOND DU LAC RIVER. THE FOND DU LAC RIVER IS A WARM WATER SPORT FISHERY. THE DAIRY WILL BE OPERATED IN A MANNER THAT IT WILL NOT HAVE ANY ADVERSE AFFECT ON AQUATIC SPECIES IN THE WATERSHED.*

- d. What terrestrial wildlife species are present (nesting/denning, feeding, migratory, etc.) and how will these be affected? Will their habitat be affected, destroyed, or changed in any manner?

NONE TO OUR KNOWLEDGE

- e. Are you aware of any threatened or endangered plant or animal species present? [Note: The Department will supplement the information you provide here with data from the Bureau of Endangered Resources.]

NONE TO OUR KNOWLEDGE

13. Describe how the proposal may affect the cultural environment through changes in land use: **see narrative*

- a. At the present time, what are the dominant land uses on and adjacent to the project site? Will these land uses change as a result of the proposal? *DOMINANT LAND USES ARE AGRICULTURE.*

NO CHANGE IN LAND USE WILL OCCUR DUE TO THE OPERATION.

- b. What is the current zoning of the site, and will this need to or has this changed for the proposal?

AGRICULTURAL. NO CHANGE IN ZONING IS REQUIRED.

14. Describe the potential positive and negative impacts of the proposal on neighboring communities: **see narrative*

- a. What houses, businesses and/or farms are located close to the proposed site? Please describe their proximity. *THERE ARE EXISTING FARMS LOCATED WITHIN CLOSE PROXIMITY. SEE ATTACHED AERIAL SITE MAP.*

- b. How will people be positively or negatively impacted by the proposal? *THE PROPOSAL WILL NOT NEGATIVELY IMPACT THE EXISTING FARMS, THERE MAY BE A POSITIVE IMPACT FROM A TAX BASE AND EMPLOYMENT PERSPECTIVE.*

- c. How will the economy of the community be affected? Include specific dollar amounts entering or leaving the community. *THERE WILL BE A POSITIVE AFFECT TO THE COMMUNITY. LAND VALUES WILL INCREASE, TAX BASE WILL INCREASE AND EMPLOYMENT WILL INCREASE. DOLLAR VALUES ARE CONSIDERED PROPRIETARY BY OWNER.*

- d. Are any impacts on property values expected as a result of this project? *NO*

- e. How many local residents are currently employed by the operation? How many will be newly employed after expansion (if applicable)? *NONE AT PRESENT, 50 NEW EMPLOYEES AFTER START UP OF DAIRY.*

- f. Do you expect controversy associated with the proposed project (for example, but not limited to, concerns about particular waterbodies, odor impacts on nearby development, increased traffic, etc.)?

NO

15. Describe how the proposal may affect the archaeological or historical settings near the site:

[Note: The Department will supplement the information you provide here with data from its historical and archeological records.]

- a. Are you aware of any archaeological areas that may be disturbed (for example, but not limited to Native American burial sites)? *NOT TO OUR KNOWLEDGE*

- b. Are there any state or national historical sites near the proposed site (refer to the Historical Register)? Will these sites be disturbed? *NOT TO OUR KNOWLEDGE*

ALTERNATIVES TO THE PROPOSED ACTION

16. Identify, describe and discuss at least three other alternatives to the proposed project. Give particular attention to the alternatives that might avoid some or all of the land and/or water resource disturbances. Why weren't these alternatives chosen? Please address the following, as well as any other options that were considered:

- a. Have other locations been studied, and why were they not chosen? Would the other locations present a lesser negative impact to the environment? *NO OTHER LOCATIONS WERE STUDIED OR CHOSEN.*
- b. What would happen to the environment if the proposal were enlarged or doubled? *NOTHING TO OUR KNOWLEDGE.*
- c. Would the possible impacts to the environment be less if the proposed project were installed at half the proposed size? *NOT TO OUR KNOWLEDGE.*

17. Explain other factors that should be considered in determining the significance of the project, or any other pertinent information. **see narrative*

GAIL M. LISSE, P.E.
Person completing form (please print)

Project Manager / Crispell-Snyder, Inc.
Title/Company

Gail Lisse
Signature

3-7-08
Date



The Wisconsin Department of Natural Resources provides equal opportunity in its employment programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Equal Opportunity Office, Department of the Interior, Washington, D.C., 20240.

This publication is available in alternative format (large print, Braille, audio tape, etc.) upon request. Please call (608) 267-7694 for more information.

Wisconsin Manure Quantity Estimation

V 09/01/03

Name: ROSENDALE DAIRY, INC

Date: 3/8/08

Animal	Size	Daily Manure Production To Apply						Annual Manure Production To Apply				
		Solid		Liquid				Number x	Daily x	365 Day x	%	= Total
	Lbs	Lbs/day	ft ³ /day	MWPS ft ³ /day x WI dairy & beef dilution factor	ft ³ /day & WI dilution	MWPS gal./day x WI dairy & beef dilution factor	gal./day & WI dilution	of Head	Total Tons or Gal.	Total	Collected	Total Collected Tons or Gal.
Dairy												
Calf	150	13	0.200	.21*1.8=	.37	1.53*1.8=	2.80					
Calf	250	21	0.320	.33*1.8=	.60	2.47*1.8=	4.50					
Heifer	750	65	1.000	1.03*1.8=	1.85	7.70*1.8=	13.8					
Lact. Cows	1000	106	1.700	1.71*1.8=	3.07	12.7*1.8=	23.0					
	1400	148	2.400	2.38*1.8=	4.28	17.7*1.8=	32.0					
Dry Cows	1000	82	1.300	1.30*1.8=	2.35	9.7*1.8=	18.0					
	1400	115	1.820	1.82*1.8=	3.33	13.6*1.8=	25.0	8000	20000	73,000,000	100	73,000,000
Beef												
Calf	450	26	0.420	.415*3.2=	1.3	3.1*3.2=	9.9					
High Forage	750	62	1.000	1.00*3.2=	3.2	7.5*3.2=	24.0	300	7200	2,628,000	100	2,628,000
High Forage	1100	92	1.400	1.48*3.2=	4.8	11*3.2=	35.0					
High Energy	750	54	0.870	.87*3.2=	2.7	6.5*3.2=	20.8					
High Energy	1100	80	1.260	1.27*3.2=	4.1	9.5*3.2=	30.5					
Beef Cow	1000	63	1.000	1.00*3.2=	3.2	7.5*3.2=	24.0					
Swine												
Nursery Pig	25	2.7	0.040		.04		.30					
Grow-Finish Pig	150	9.5	0.150		.17		1.20					
Gestating Sow	275	7.5	0.120		.14		1.00					
Sow & Litter	375	22.5	0.360		.42		3.00					
Boar	350	7.2	0.120		.14		1.00					
Poultry / Other												
Layers	4	0.26	0.004		.004		.03					
Broilers	2	0.18	0.003		.003		.02					
Turkeys	20	0.9	0.014		.015		.11					
Duck	6	0.33	0.005		.006		.04					
Sheep	100	4	0.060		.055		.40					
Horse	1000	50	0.800		.827		5.98					

Source: Midwest Plan Service publication number MWPS-18 "Manure Characteristics" Section 1, copyright 2000. Solid volumes are as excreted. The liquid dairy and beef values are computed from the MWPS daily production and have approximately equal nutrient values annually as solid manure. MWPS liquid dairy and beef factors are multiplied by 1.8 and 3.2 respectively. Dilution on your operation may be substantially different. Use manure analysis and manure storage volumes to determine manure production whenever possible.

Manure quantities are likely to be more accurate estimated from storage size:

What is the manure storage pit size? ~ 73,000,000 gallons or tons?

Multiply pit size x Number of times emptied/yr 73,000,000 = Total annual manure collection

Roach & Associates, LLC
Dairy Business and Management Consulting
Environmental Engineering

856 N Main Street • Seymour, WI 54165 • Phone 920-833-6340 •
Phone 920-833-6340 • Fax 920-833-9851 • E-mail kbeckard@new.rr.com

July 1, 2008

TO: Craig Webster & Liz Spaeth-Werner

FR: Kevin Beckard

CC: Jim Ostrom, Todd Willer, David Crass

RE: Rosendale Dairy Supplemental Information to Environmental Questionnaire

Craig & Liz,

Enclosed please find a document that provides additional information and greater clarification for some of the questions in the Environmental Questionnaire for Rosendale Dairy dated 6-2-08.

If you have any questions please call our office at 920-833-6340.



Rosendale Dairy Supplemental Information to Environmental Questionnaire dated 6-2-08

This document provides additional information and more clearly answers some of the questions in the Environmental Questionnaire for Rosendale Dairy dated 6-2-08. The specific questions and additional information are listed below.

Question 2(e) - How much will traffic be increased during construction (short term) and/or as a result of increased transport of livestock, feed, milk, etc. (long term)? Describe any plans to address this increase in traffic.

Construction traffic will increase in the short term during construction of the facilities. There will, however be a concrete batch plant located on site. This will greatly reduce construction traffic since transporting concrete to the site is one of the largest sources of construction traffic. Coordination with Fond Du Lac County and the local township will be done by the owners to address any short-term traffic issues created by construction activities. Long-term traffic will be impacted by bulk hauling operations of milk, feed, manure, cattle and other commodities. Below is an estimate of the amount of traffic that will be flowing to and from this site when it is operating at full capacity.

Traffic Type	Annual Traffic	Frequency
Concentrates, distillers, grains, dry hay coming to the site	1,500 semi loads	Daily Monday –Friday
Harvested forages and feed coming to the site	6,500 semi loads	Intermittent during periods of harvest May to October
Miscellaneous supplies coming onto site	175 semi loads	Weekly Monday-Friday
Employee and visitor traffic	20,000+ trips to and from site	Daily
Milk tankers leaving site	3,650 semi loads	Daily
Manure transfer from site	13,000 semi loads	Spring and some Fall

Question 8(c) - Report how much acreage is currently owned, and how much is rented for land spreading. After the proposed construction/expansion, what will the owned and rented acreage is?

Currently, there are 3,645 acres in the initial nutrient management plan. 1,656 acres owned and 1,989 rented for land spreading of manure and wastewater. Rosendale Dairy is in the process of securing an additional 1,800 acres of cropland to be included in its nutrient management plan for the 2010 crop year.

Rosendale Dairy Supplemental Information to Environmental Questionnaire dated 6-2-08

Question 8(d) - Report the average acreage for spreading on an annual basis (both current and proposed).

Currently, there is no manure spreading since there are no cattle and the facilities are not yet constructed. The initial nutrient management plan identifies 3,645 acres that are available for spreading manure. After construction is complete and the facilities are fully populated to 8,000 cows it is estimated that 5,400 acres will be needed for manure applications. Rosendale Dairy is in the process of securing an additional 1,800 acres of cropland for manure application to bring the total acres under their control to 5,400. They will not expand until they have secured the land base to support the cattle and manure.

Question 8(e) - In addition to land spreading manure, please describe any alternative manure disposal methods being proposed.

At this time all manure is planned for application onto cropland with no alternative disposal methods being proposed. Currently, Rosendale Dairy is evaluating a nutrient partitioning system that will concentrate nutrients from the liquid fraction into separated solids that can be better managed for application onto cropland. This system may allow more options for the application of the liquid fraction onto cropland and reduce the amount of road traffic necessary to transport manure onto cropland.

Question 9 - Discuss air quality issues associated with the proposed construction/expansion:

It is possible that there will be an increase of certain odors typically found at a dairy confinement site. The odors may come from the cattle, manure storage facilities, feed storage areas, vehicles and land manure application activities. Currently, there is insufficient data available relative to the odors generated by a dairy confinement site to speculate on the effects to the surrounding areas. If laws or ordinances are passed that require dairy operations to meet air and odor quality standards, Rosendale Dairy will comply with the new requirements.

Question 9(c) - Will any hazardous pollutants (ammonia, hydrogen sulfide) be a concern arising from this project? Are there any plans to address this concern?

As previously mentioned, some odors, gases and dust are expected to arise from this project. At this time it is Rosendale Dairy's understanding that no regulations are in place to address the control of these elements. At this time, Rosendale Dairy has no plans to address these issues. However, once best management practices for hazardous air pollutants from agricultural operations are defined by DNR, Rosendale Dairy will fully implement these into their operations. Rosendale Dairy will continue to focus their attention toward managing and controlling the wastes generated that are controlled and regulated under Wisconsin Administrative Code NR 243.

Rosendale Dairy Supplemental Information to Environmental Questionnaire dated 6-2-08

Question 11(b) - What are the names of any navigable waterways within the drainage area of the proposed operation and construction areas? Describe their proximities to these areas.

The construction site is located near unnamed tributaries to the West Branch of the Fond Du Lac River. The construction site is located approximately 1,000 feet from the tributary to the east, 2,000 feet from the tributaries to the north and west and approximately 4,000 feet from the tributary to the south.

Question 12(a) - What are the current cover crops (including trees) and will these be affected, destroyed, or changed in any manner?

The construction site is cropland. This field was planted to corn in 2006 and was no-till soybeans in 2007. Construction is taking place on the remaining corn and soybean stubble left over from the crops grown on the site during the previous years. In addition, there are several fencerows that contain mature hardwood trees that will be removed to allow construction.

Question 14(b) - How will people be positively or negatively impacted by the proposal?

There will be a positive impact from an economic development, tax base and employment perspective. Farms that currently only market crops as grains will now have an option to market forages. In addition, farms will have an opportunity to reduce their input costs by entering into manure contracts to accept manure onto their cropland.

Question 16 - Identify, describe and discuss at least three other alternatives to the proposed project. Give particular attention to the alternatives that might avoid some or all of the land and/or water resource disturbances. Why weren't these alternatives chosen? Please address the following, as well as any other options that were considered:

Alternative 1 – No new dairy is built: This alternative is possible but would not fit into the business plan for MilkSource and would also not help to grow the dairy industry in Wisconsin. Not constructing the new facility would result in lost economic development and lost tax revenue at the local and state levels.

Alternative 2 – Expand existing facilities: MilkSource also owns and operates Tidy View Dairy in Freedom and Omro Dairy in Omro. MilkSource explored the possibility of expanding either or both of these sites. It was determined that given the current manure technologies and the availability of additional cropland, expansion at these locations is not feasible at this time. Future improvements in manure handling technologies and the ability to secure additional cropland may allow expansion at these sites in the future.

Rosendale Dairy Supplemental Information to Environmental Questionnaire dated 6-2-08

Alternative 3 – Other sites: Milksource spent approximately 18 months exploring other locations for this project throughout north central and north east Wisconsin. The Rosendale site was chosen because of the lack of other large dairies in the area, the topography, availability for cropland to produce feed and for the application of manure. The other sites were not selected for one or more of the following reasons:

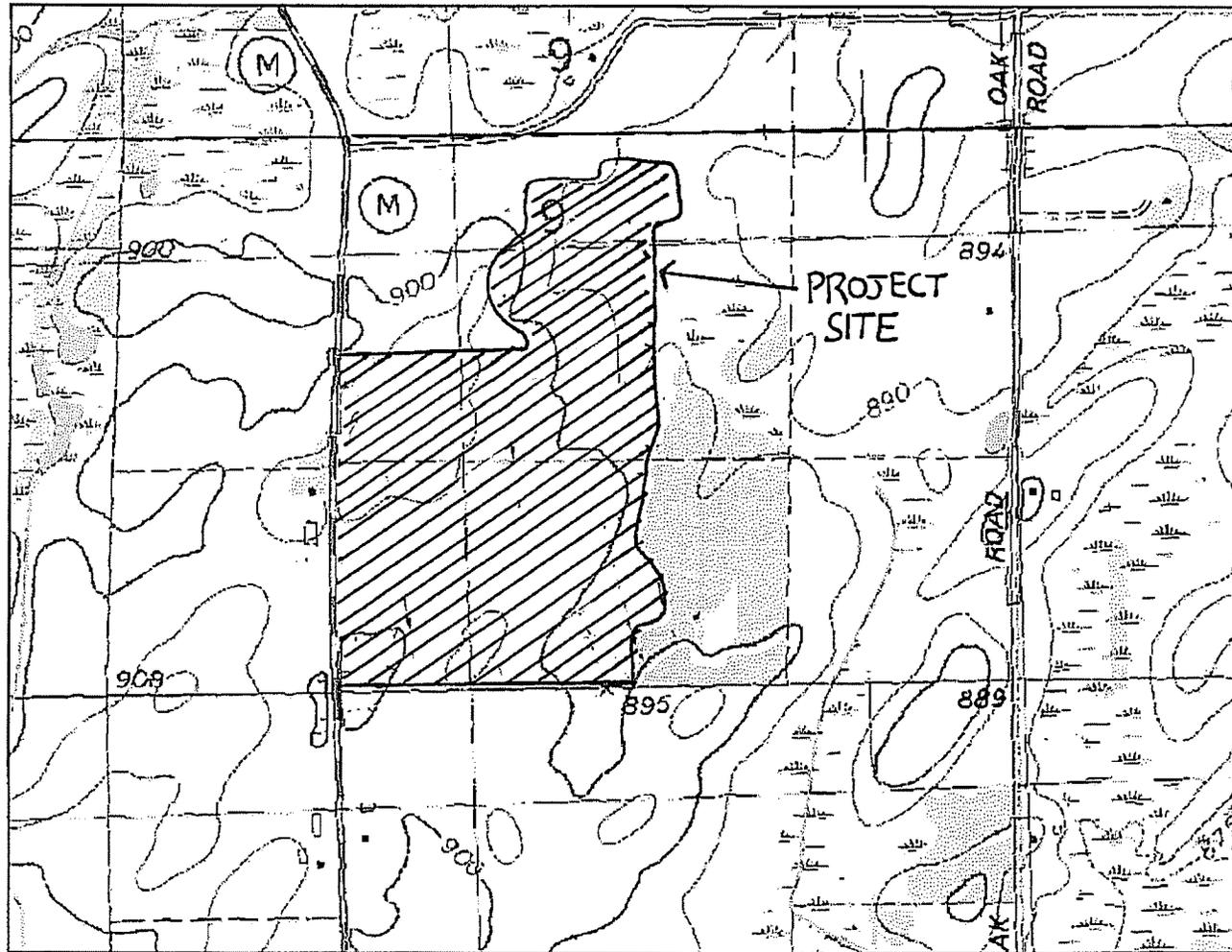
Other large dairies, inadequate cropland, topography and inadequate infrastructure.

Question 16(a) - Have other locations been studied, and why were they not chosen?

Would the other locations present a lesser negative impact to the environment?

See alternative 3 above. The other locations would not have posed a lesser negative impact to the environment due to their topography and lack of land availability.

FIGURE 2, USGS 7.5 MINUTE QUADRANGLE



Legend

- County Boundaries
- Civil Towns
- Civil Town
- 24K Open Water
- 24K Rivers and Shorelines
- Cities and Villages
- Village
- City

0 1200 2400 3600 ft.



Scale: 1:12,000

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

SOUTH LINE OF SE 1/4-NW 1/4 OF SECTION 9-16-15
NORTH LINE OF NE 1/4-SW 1/4 OF SECTION 9-16-15 S 89°54'18" W

2684.55'
N 89°54'18" E 545.60'
SOUTH LINE OF SW 1/4-NE 1/4 OF SEC 9
N 89°54'18" E 79'

P.O.B.
NORTH LINE OF NW 1/4-SE 1/4 OF SECT

CENTER OF SECTION 9 T16N R15E COMPUTED FROM FOND DU LAC COUNTY COORDINATES
N: 420,632.20
E: 746,246.52

NE 1/4
SW 1/4
MICHAEL & JANE MEILHAHN LANDS

40.3467 ACRES
1,757,501 SQ. FT.

MICHAEL & JANE MEILHAHN LANDS

NW 1/4
SE 1/4

PARCEL B

24.5372 ACRES
1,068,839 SQ. FT.

16.2458 ACRES
707,665 SQ. FT.

WEST LINE OF NE 1/4-SW 1/4 OF SECTION 9-16-15
EAST LINE OF NW 1/4-SW 1/4 OF SECTION 9-16-15

WEST LINE OF NW 1/4-SE 1/4 OF SECTION 9-16-15
EAST LINE OF NE 1/4-SW 1/4 OF SECTION 9-16-15
1320.11'
2640.21'

1321.03'
N 02°33'01" E

SOUTH LINE OF NE 1/4-SW 1/4 OF SECTION 9-16-15
NORTH LINE OF SE 1/4-SW 1/4 OF SECTION 9-16-15

S 89°55'36" W 527.00'
SOUTH LINE OF NW 1/4-SE 1/4 OF SECT 823.03'
S 89°55'36" E

SW 1/4
SEC. 9

SE 1/4
SW 1/4
MICHAEL & JANE MEILHAHN LANDS

40.3498 ACRES
1,757,637 SQ. FT.

MICHAEL & JANE MEILHAHN LANDS

SW 1/4
SE 1/4

PARCEL A

28.0655 ACRES
1,222,532 SQ. FT.

12.9528 ACRES
564,225 SQ. FT.

WEST LINE OF SE 1/4-SW 1/4 OF SECTION 9-16-15
EAST LINE OF SW 1/4-SW 1/4 OF SECTION 9-16-15

WEST LINE OF SW 1/4-SE 1/4 OF SECTION 9-16-15
EAST LINE OF SE 1/4-SW 1/4 OF SECTION 9-16-15
N 01°44'40" E
S 01°44'40" W
1320.11'

1320.98'
N 02°33'01" E

SOUTH 1/4 CORNER SECTION 9 T16N R15E COMPUTED FROM FOND DU LAC COUNTY COORDINATES
N: 417,993.21
E: 746,168.15

SOUTH LINE OF SE 1/4-SW 1/4 OF SECTION 9-16-15
S 89°39'40" W

418.30'
939.49'
2715.57'

C. T. H.

M

Well #1

Well #3

Well #2

Well #4

T18-16-15-09-08-001-00

T18-16-15-09-03-001-00

T18-16-15-09-09-001-00

T18-16-15-09-14-001-00

T18-16-15-09-12-001-00

T18-16-15-09-15-001-00

T18-16-15-16-66-666-00
18-05-002-00

T18-16-15-16-05-002-00

T18-16-15-16-05-001-00

T18-16-15-16-02-001-00

T18-16-15-

**Rosendale Dairy
Fond Du Lac County**