

This is site-wide IP data. This will be compared to that of a facility to look for discrepancies. This data will automatically be copied to a new facility.

Average Annual Precipitation (mm)

Soil Texture at surface

Attachments

These are site(CFO)-wide attachments for site air photos or other evidence.

Kramer Dairy Ltd. Corp Search.pdf ([View \(/Document/OpenCFODocument?ardanumber=2001.12.87.276&name=Kramer%20Dairy%20Ltd.%20Corp%20Search.pdf\)](#))
SE 2 43 25 W4M land title 19 Jun 19.pdf ([View \(/Document/OpenCFODocument?ardanumber=2001.12.87.276&name=SE%202%2043%2025%20W4M%20land%20title%2019%20Jun%2019.pdf\)](#))

Facilities

- [EMS SE-02-043-25-W4 \(425043021001\)](#)

Facility Number

Facility Name

Land

Building Type

Facility Type

Application ([/Application/ViewApplication/8008](#))

Liner Type

Runoff Control

Run-on Control

Liner Thickness (m)

Condition Of Liner

Slope

Depth Below Grade

Measured Liner HC (cm/s) Unknown

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Year Storage Built

Months of Storage

Surface Water Issue Yes No

Action Required

Yes No

Berm Constructed Run-On Control Run-Off Control Pump Manure Management Plan Increase Capacity Incorporation

Other

Reference(s) for UGR (ie. Well I.D., borehole #'s)

98049

Depth To UGR (m)

Predominant Geology

Subsoil Texture

Reference(s) for PL (ie. Well I.D., borehole #'s)

297975

Predominant Geology

Subsoil Texture

PL Subsoil Texture differs from Site Information

Depth Below Grade

(from above)

PL Measured From (m)

PL Measured From differs from Site Information

PL Measured To (m)

PL Measured To differs from Site Information

Thickness Of PL (m)

Average Annual Precipitation (mm)

Soil Texture At Surface

Surface Water Risk Profile

Body of water is known to be upslope of the facility - low risk.

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- No water body with 800m - low risk.
- Facility is located less than 1m (in elevation) above the 1 in 25 year floodplain - high risk.
- None of the Above

Horizontal Distance to Water Body

>100m ▾

Slope of Land From Facility to Water Body

4 - < 6 ▾

Type of Yard Runoff Flow

Dispersed Flow ▾

Vegetation Cover

<50% Vegetated ▾

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Water Body Name	Water Body Type	Reference Point	Distance To Water Body (m)	Surface Gradient to Water Body	CBW	Human Use	Outside 800m	
Unnamed intermittent creek	Creek	northeast corner of EMS	175	Downslope	<input checked="" type="checkbox"/>	Little	<input type="checkbox"/>	

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Well ID	Reference Point	Distance to Well (m)	Well Sealing Method	Depth to Top of Open Interval (m)	Surface Gradient to Water Well	Comments	Abandoned	Outside 400m
House well 98049 or 98050	west side of EMS	137	No Seal/Unknown	3.70	Upslope		<input type="checkbox"/>	<input type="checkbox"/>
Pen well 98049 or 98050	west side of EMS	72	No Seal/Unknown	3.70	Upslope		<input type="checkbox"/>	<input type="checkbox"/>
Sledge pit well 298704	south side of EMS	52	Drive Shoe	25.00	Upslope		<input type="checkbox"/>	<input type="checkbox"/>

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Facility Livestock

Livestock Quantity

Manure Type
 Liquid Solid

Annual Manure Production

Annual Manure Production outside Risk Assessment Ranges

Notes

Sandstone is being used as the protective layer rather than the clay used for the other facilities as this is the only medium located between the EMS and the UGR.

Constructed

Decommissioned

Secondary Facility Status

This Facility is a:

Secondary Ground Water Facility of

Secondary Surface Water Facility of

- North pens SE-02-043-25-W4 (425043021002)

Facility Number

Facility Name

Land

Building Type

Facility Type

Application (</Application/ViewApplication/8008>)

Liner Type

Runoff Control

Run-on Control

Liner Thickness (m)

Storage Length (m)

Storage Width (m)

Condition Of Liner

Storage Area (sq m)

Depth Below Grade

Measured Liner HC (cm/s)

Unknown

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Year Storage Built

Surface Water Issue Yes No

Action Required

Yes No

Berm Constructed Run-On Control Run-Off Control Pump Manure Management Plan Increase Capacity Incorporation

Other

Reference(s) for UGR (ie. Well I.D., borehole #'s)

98049

Depth To UGR (m)

Predominant Geology

Subsoil Texture

Reference(s) for PL (ie. Well I.D., borehole #'s)

297975

Predominant Geology

Subsoil Texture

Depth Below Grade

(from above)

PL Measured From (m)

PL Measured To (m)

Thickness Of PL (m)

Average Annual Precipitation (mm)

Soil Texture At Surface

Surface Water Risk Profile

- Body of water is known to be upslope of the facility - low risk.
- No water body with 800m - low risk.
- Facility is located less than 1m (in elevation) above the 1 in 25 year floodplain - high risk.
- None of the Above

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Horizontal Distance to Water Body

>100m

Slope of Land From Facility to Water Body

4 - < 6

Type of Yard Runoff Flow

Dispersed Flow

Vegetation Cover

<50% Vegetated

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Water Body Name	Water Body Type	Reference Point	Distance To Water Body (m)	Surface Gradient to Water Body	CBW	Human Use	Outside 800m
Unnamed intermittent creek	Creek	southeast corner	233	Downslope	<input checked="" type="checkbox"/>	Little	<input type="checkbox"/>

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Well ID	Reference Point	Distance to Well (m)	Well Sealing Method	Depth to Top of Open Interval (m)	Surface Gradient to Water Well	Comments	Abandoned	Outside 400m
House well 98049 or 98050	south side of pens	58	No Seal/Unknown	3.70	Upslope		<input type="checkbox"/>	<input type="checkbox"/>
Pen well 98049 or 98050	south side of pens	5	No Seal/Unknown	3.70	Unknown	This well is marginally upslope of the southwest corner of the pens. To be conservative I am calling it an unknown gradient to the pens.	<input type="checkbox"/>	<input type="checkbox"/>
Sledge pit well 298704	south side of pens	97	Drive Shoe	25.00	Upslope		<input type="checkbox"/>	<input type="checkbox"/>

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Facility Livestock

Livestock Quantity 0

Manure Type

Liquid Solid

Annual Manure Production 0

Annual Manure Production outside Risk Assessment Ranges

Notes

Empty text area for notes.

Constructed

Decommissioned

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Secondary Facility Status

This Facility is a:

Secondary Ground Water Facility of

Secondary Surface Water Facility of

- South pens SE-02-043-25-W4 (425043021003)

Facility Number

Facility Name

Land

Building Type

Facility Type

Application (</Application/ViewApplication/8008>)

Liner Type

Runoff Control

Run-on Control

Liner Thickness (m)

Storage Length (m)

Storage Width (m)

Condition Of Liner

Storage Area (sq m)

Depth Below Grade

Measured Liner HC (cm/s)
 Unknown

Year Storage Built

Surface Water Issue Yes No

Action Required
 Yes No

- Berm Constructed Run-On Control Run-Off Control Pump Manure Management Plan Increase Capacity Incorporation
 Other

Reference(s) for UGR (ie. Well I.D., borehole #'s)

98049

Depth To UGR (m)

Predominant Geology

Subsoil Texture

Reference(s) for PL (ie. Well I.D., borehole #'s)

297975

Predominant Geology

Subsoil Texture

Depth Below Grade

(from above)

PL Measured From (m)

PL Measured To (m)

Thickness Of PL (m)

Average Annual Precipitation (mm)

Soil Texture At Surface

Surface Water Risk Profile

- Body of water is known to be upslope of the facility - low risk.
 No water body with 800m - low risk.
 Facility is located less than 1m (in elevation) above the 1 in 25 year floodplain - high risk.
 None of the Above

Horizontal Distance to Water Body

Slope of Land From Facility to Water Body

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Type of Yard Runoff Flow

Dispersed Flow ▾

<50% Vegetated ▾

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Water Body Name	Water Body Type	Reference Point	Distance To Water Body (m)	Surface Gradient to Water Body	CBW	Human Use	Outside 800m
Unnamed intermittent creek	Creek	east side	224	Downslope	<input checked="" type="checkbox"/>	Little	<input type="checkbox"/>

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Well ID	Reference Point	Distance to Well (m)	Well Sealing Method	Depth to Top of Open Interval (m)	Surface Gradient to Water Well	Comments	Abandoned	Outside 400m
House well 98049 or 98050	north side of pens	69	No Seal/Unknown	3.70	Unknown	I was unable to determine if this well is at the same elevation as the house or not while I was onsite. Despite this, the drive way into the farm and the tree line long the east side of it would act as something of a berm between the two.	<input type="checkbox"/>	<input type="checkbox"/>
Pen well 98049 or 98050	north side of pens	158	No Seal/Unknown	3.70	Upslope		<input type="checkbox"/>	<input type="checkbox"/>
Silledge pit well 298704	north side of pens	21	Drive Shoe	25.00	Downslope		<input type="checkbox"/>	<input type="checkbox"/>

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Facility Livestock

Livestock Quantity

Manure Type
 Liquid Solid

Annual Manure Production

Annual Manure Production outside Risk Assessment Ranges

Notes

The lay of the land between the south pens and the silledge pit well should direct runoff away from this well. To make sure this is the case I am going to include a condition in the permit requiring this to be the case.

Constructed
 Decommissioned

Secondary Facility Status

This Facility is a: Download as PDF

Secondary Ground Water Facility of

Secondary Surface Water Facility of

- Calf lean to SE-02-043-25-W4 (425043021004).

Facility Number

Facility Name

Land

Building Type

Facility Type

Application (</Application/ViewApplication/8008>)

Liner Type

Runoff Control

Run-on Control

Liner Thickness (m)

Storage Length (m)

Storage Width (m)

Condition Of Liner

Storage Area (sq m)

Depth Below Grade

Measured Liner HC (cm/s)
 Unknown

Year Storage Built

Surface Water Issue Yes No

Action Required
 Yes No

Berm Constructed Run-On Control Run-Off Control Pump Manure Management Plan Increase Capacity Incorporation
 Other

Reference(s) for UGR (ie. Well I.D., borehole #'s)

98049

Depth To UGR (m) 13.7

Predominant Geology Sandstone

Subsoil Texture Coarse

Reference(s) for PL (ie. Well I.D., borehole #'s)

297975

Predominant Geology Clay till

Subsoil Texture Medium

Depth Below Grade

0

(from above)

PL Measured From (m)

1.8

PL Measured To (m)

3.4

Thickness Of PL (m)

1.6

Average Annual Precipitation (mm) 400-600

Soil Texture At Surface Medium

Surface Water Risk Profile

- Body of water is known to be upslope of the facility - low risk.
- No water body with 800m - low risk.
- Facility is located less than 1m (in elevation) above the 1 in 25 year floodplain - high risk.
- None of the Above

Horizontal Distance to Water Body

>100m

Slope of Land From Facility to Water Body

4 - < 6

Type of Yard Runoff Flow

Dispersed Flow

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Vegetation Cover

<50% Vegetated ▾

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Water Body Name	Water Body Type	Reference Point	Distance To Water Body (m)	Surface Gradient to Water Body	CBW	Human Use	Outside 800m	
Unnamed intermittent creek	Creek	east side	215	Downslope	<input checked="" type="checkbox"/>	Little	<input type="checkbox"/>	

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Well ID	Reference Point	Distance to Well (m)	Well Sealing Method	Depth to Top of Open Interval (m)	Surface Gradient to Water Well	Comments	Abandoned	Outside 400m
House well 98049 or 98050	north side of lean to	80	No Seal/Unknown	3.70	Unknown	I was unable to determine if this well is at the same elevation as the house or not while I was onsite. Despite this, the drive way into the farm and the tree line long the east side of it would act as something of a berm between the two.	<input type="checkbox"/>	<input type="checkbox"/>
Pen well 98049 or 98050	north side of lean to	156	No Seal/Unknown	3.70	Upslope		<input type="checkbox"/>	<input type="checkbox"/>
Sledge pit well 298704	north side of lean to	5	Drive Shoe	25.00	Downslope		<input type="checkbox"/>	<input type="checkbox"/>

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Facility Livestock

Livestock Quantity

Manure Type

Liquid Solid

Annual Manure Production

Annual Manure Production outside Risk Assessment Ranges

Notes

Constructed

Decommissioned

Secondary Facility Status

This Facility is a:

Secondary Ground Water Facility of

Download as PDF

Secondary Surface Water Facility of

- Dairy barn SE-02-043-25-W4 (425043021005)

Facility Number

Facility Name

Land

Building Type

Facility Type

Application (</Application/ViewApplication/8008>)

Liner Type

Runoff Control

Run-on Control

Liner Thickness (m)

Condition Of Liner

Slope

Depth Below Grade

Measured Liner HC (cm/s)
 Unknown

Year Storage Built

Months of Storage

Surface Water Issue Yes No

Action Required
 Yes No

Berm Constructed Run-On Control Run-Off Control Pump Manure Management Plan Increase Capacity Incorporation
 Other

Reference(s) for UGR (ie. Well I.D., borehole #'s)

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Depth To UGR (m)

Predominant Geology

Subsoil Texture

Reference(s) for PL (ie. Well I.D., borehole #'s)

Predominant Geology

Subsoil Texture

Depth Below Grade

(from above)

PL Measured From (m)

PL Measured To (m)

Thickness Of PL (m)

Average Annual Precipitation (mm)

Soil Texture At Surface

Surface Water Risk Profile

- Body of water is known to be upslope of the facility - low risk.
- No water body with 800m - low risk.
- Facility is located less than 1m (in elevation) above the 1 in 25 year floodplain - high risk.
- None of the Above

Horizontal Distance to Water Body

Slope of Land From Facility to Water Body

Type of Yard Runoff Flow

Vegetation Cover

Water Body Name	Water Body Type	Reference Point	Distance To Water Body (m)	Surface Gradient to Water Body	CBW	Human Use	Outside 800m

