8/23/2019 CFO2 - Site Information

2001.12.87.276 Kramer, Reinder - Kramer Dairy Ltd.

Ponoka County Central

SE-02-043-25-W4

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CF	o	L	IV	e	STC	C	ĸ

This list of livestock for the site is for information only.

Animal Type	Animals	
Dairy - Lactating Cows Only	85	Edit Delete
1		•

Known Site Waterbodies

This is a list of known waterbodies on the site. This list will be compared to that of a facility to look for discrepencies. This list will automatically be copied to a new facility.

	Page 1	of 1 25 ▼		Viewing 1 - 1 of 1
Water Body Name	Water Body Type	CBW	Human Use	
Unnamed intermittent creek	Creek	₹	Little	Edit Delete
4)
	Page 1	of 1 25 ▼		Viewing 1 - 1 of 1

Known Wells

This is a listing of all water wells attached to existing facilities aggregated by name (using info from the most recent). You can add water wells to individual facilities. This list of water wells will be automatically copied to a new facility where you can edit slope, distance and something.

	Page 1 of 1			Viewing 1 - 3 of 3
Well ID	Well Sealing Method	Depth to Top of Open Interval (m)	Abandoned	
House well 98049 or 98050	No Seal/Unknown	3.70		Edit Delete
Pen well 98049 or 98050	No Seal/Unknown	3.70		Edit Delete
Siledge pit well 298704	Drive Shoe	25.00		Edit Delete
4				

Monitoring Wells and Borehole Logs

Facilities Monitored	No	
✓ No monitoring wells	# of monitoring wells	
• No monitoring wens	0	
☑ No borehole logs	# of borehole logs	
	0	

Uppermost Groundwater Resources (UGR) Defaults

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

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ference(s) for UGR (ie. Well I.D.,	CFO2 - Site Information
borehole #'s)	98049
Depth To UGR (m)	13.70
Predominant Geology	Sandstone
Subsoil Texture	Coarse
Notes	Continuous sandstone noted in water wells 98047, 98048, 98050, 297975 and 298704
Reference(s) for PL (ie. Well I.D.,	red to that of a facility to look for discrepencies. This data will automatically be copied to a new facility.
porenoie #'s)	29/9/5
borehole #'s)	29/9/5
Thickness Of PL (m)	29/9/5
Thickness Of PL (m)	Clay till
Thickness Of PL (m) Predominant Geology	Clay till Medium
Thickness Of PL (m) Predominant Geology Subsoil Texture	Clay till Medium

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Facilities

<u>- EMS SE-02-043-25-W4 (425043021001)</u>
Facility Number 425043021001
Facility Name EMS
Land SE-02-043-25-W4 ▼
Building Type Earthen Manure Storage v
Facility Type Liquid Manure Storage
<u>Application (/Application/ViewApplication/8008)</u> RA19016 ▼
Liner Type Earthen Natural ▼
Runoff Control 🗹
Run-on Control ✓
Liner Thickness (m)
Condition Of Liner Uninspectable
Slope
Depth Below Grade 3.6
3.0
Measured Liner HC (cm/s)
☐ Unknown ☑ Download as PDF

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) 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 Coarse •	
PL Subsoil Texture differs from Site Information	
Depth Below Grade 3.6	
(from above)	
PL Measured From (m) 3.4	
PL Measured From differs from Site Information	
PL Measured To (m)	
13.7	
PL Measured To differs from Site Information	
Thickness Of PL (m)	
10.1	
Average Annual Precipitation (mm) 400-600 ▼	
Soil Texture At Surface Coarse ▼	
Surface Water Risk Profile	
Surface water risk fivilie	
■ Body of water is known to be upslope of the facility - low risk. ✓ Download as PDF	

										Uorizo	ntal Distance to Water B
>100m •										Horizo	ntal Distance to Water Bo
									Slop	e of Land	From Facility to Water Bo
4 - < 6 ▼											
Dispersed Flow											Type of Yard Runoff F
Dispersed Flow											Vegetation Co
<50% Vegetated	▼										
	T .			Page 1 of	-				Viewir	g 1 - 1 of 1	
Water Body Name	Water Body Type	; F	deference Point	Distance To Water Body (m)	Surface Gradient to Water Body	CBW	Human Use	Outside 800m			
Unnamed intermittent	Creek	northeast co	rner of EMS	175	Downslope	✓	Little			<u>E</u> (
creek										D	
				Page 1 of	1 25 ▼				Viewir	g 1 - 1 of 1	
										3)	
					1 25 ▼					g 1 - 3 of 3	
Well ID	Reference Point	Distance to Well (m)	Well Sealing Metho	Depth to Top Open Interv (m)			Comments		Abandonec	Outside 400m	
House well 98049 or w	vest side of EMS	137	No Seal/Unknown	3.70	Upslope					<u> </u>	
Pen well 98049 or w	vest side of EMS	72	No Seal/Unknown	3.70	Upslope					<u> </u>	
Siledge pit well s 298704	outh side of EMS	52	Drive Shoe	25.00	Upslope					<u> </u>	
4				Page 1 of	1 25 ▼				Viouir	g 1 - 3 of 3	
				Tage I of					viewii	lg 1 - 3 01 3	
Facility Livestock				▼]							
_ivestock Quantity	0										
Manure Type											
■ Liquid Solid											
Annual Manure Pro	oduction 0										

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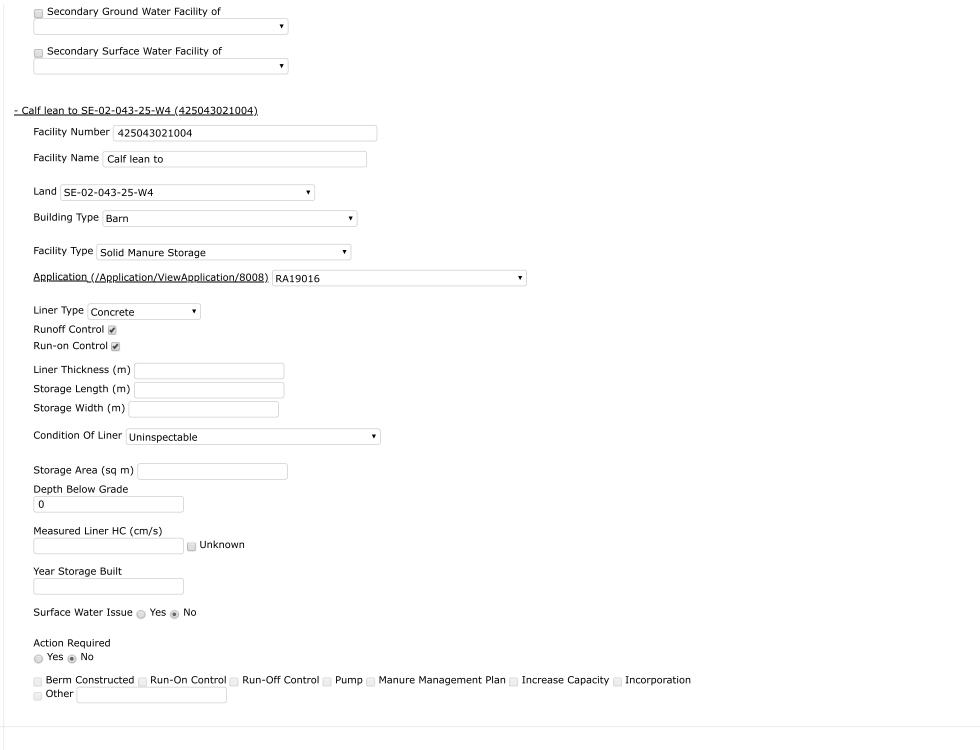
Notes
Sandstone is being used as the protective layer rather than the clay used for the other facilities as this is the only medium located between the EMS and the UGR.
Constructed Decommissioned
Secondary Facility Status
This Facility is a:
Secondary Ground Water Facility of
Secondary Surface Water Facility of
- North_pens_SE-02-043-25-W4 (425043021002)
Facility Number 425043021002
Facility Name North pens
Land SE-02-043-25-W4 ▼
Building Type Feedlot •
Facility Type Solid Manure Storage
Application (/Application/ViewApplication/8008) RA19016 ▼
Liner Type Earthen Natural
Runoff Control 🗹
Run-on Control 🗹
Liner Thickness (m)
Storage Length (m) Storage Width (m)
Condition Of Liner Uninspectable
Starage Area (og m)
Storage Area (sq m) Depth Below Grade
0
Measured Liner HC (cm/s) Unknown Download as PDF

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 v
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
✓ Download as PDF

>100m ▼												
										Slop	pe of Land F	From Facility to Water Bo
4 - < 6 ▼												
Dispersed Flow	▼											Type of Yard Runoff Flo
Dispersed Flow												Vegetation Cov
<50% Vegetated	d ▼											
				Page 1	of 1	25 ▼				Viewir	ng 1 - 1 of 1	
Water Body Name	Water Body Typ	pe R	deference Point	Distance To Wat		Surface Gradient to Water Body	CBW	Human Use	Outside 800m			
Unnamed intermitten creek	t Creek	southeast co	rner	233	Do	ownslope	4	Little			Ec D	
4		'		Page 1	of 1	25 ▼	<u> </u>	-		Viewii	ng 1 - 1 of 1	
				Page 1	of 1	25 ▼					ng 1 - 3 of 3	
Well ID	Reference Point	Distance to Well (m)	Well Sealing Method	Depth to Open In	terval	Surface Gradient to Water Well		Comments		Abandonec	Outside 400m	
House well 98049 or 98050	south side of pens	58	No Seal/Unknown	3.70	,	Upslope					<u> </u>	
Pen well 98049 or 98050	south side of pens	5	No Seal/Unknown	3.70		Unknown	of the pens. To	rginally upslope of the be conservative I and ent to the pens.		er 📄	I I	
Siledge pit well 298704	south side of pens	97	Drive Shoe	25.00		Upslope	ulikilowii graal	ene to the pens.			1	
4	I			Dana) af 1							
				Page 1	of 1	25 ▼				Viewii	ng 1 - 3 of 3	
Facility Livestock				V								
Livestock Quantit	ry 0											
Manure Type ○ Liquid ○ Solid	l											
Annual Manure P	roduction 0											
Annual Manure P	roduction outsi	de Risk Asses	sment Ranges									
Notes												
Constructed 🕡												
Decommissioned					4	Download as F	PDF					

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 425043021003
Facility Name South pens
Land SE-02-043-25-W4 ▼
Building Type Feedlot ▼
Facility Type Solid Manure Storage
<u>Application (/Application/ViewApplication/8008)</u> RA19016 ▼
Liner Type Earthen Natural 🔻
Runoff Control ✓
Run-on Control 🗹
Liner Thickness (m)
Storage Length (m)
Storage Width (m)
Condition Of Liner Uninspectable •
Storage Area (sq m)
Depth Below Grade
0
Measured Liner HC (cm/s)
Unknown
Year Storage Built
Surface Water Issue Yes No
Action Required
✓ Download as PDF

Berm Constructed Run-On Control Run-Off Control Pump Manure Management Plan Increase Capacity Cother	Incorporation
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 ▼ Download as PDF	Type of Yard Runoff Flow



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 - I	low risk.
No water body with 800m - low risk.	and the Officer of Management of the Management
Facility is located less than 1m (in elevation) above thNone of the Above	ie 1 in 25 year floodplain - nigh risk.
Notice of the Above	
	Horizontal Distance to Water Body
>100m •	
	Slope of Land From Facility to Water Body
4 - < 6 🔻	
	Type of Yard Runoff Flow
	Type of Yaru Kulloli Flow
Dispersed Flow •	✓ Download as PDF

Vegetation Cover

				Do C	1 0 -					
	T			Page 1 of				1	Viewir	ng 1 - 1 of 1
Water Body Name	Water Body Typ	e F	Reference Point	Distance To Water Body (m)	Surface Gradient to Water Body	CBW	Human Use	Outside 800m		
Unnamed intermitten creek	t Creek	east side		215	Downslope	✓	Little			<u>E</u>
										
				Page 1 of	1 25 ▼				Viewir	ng 1 - 1 of 1
				Page 1 of	1 25 ▼				Viewir	ng 1 - 3 of 3
Well ID	Reference Point	Distance to Well (m)	Well Sealing Metho	d Depth to Top Open Interv (m)			Comments		Abandonec	Outside 400m
House well 98049 or 98050	north side of lean to	80	No Seal/Unknown	3.70	Unknown	elevation as the Despite this, th	o determine if this we e house or not while is ne drive way into the ast side of it would ac the two.	I was onsite. farm and the tree		
Pen well 98049 or 98050	north side of lean to	156	No Seal/Unknown	3.70	Upslope					
	north side of lean	5	Drive Shoe	25.00	Downslope					
4	ı	ı								
				Page 1 of	1 25 ▼				Viewir	ng 1 - 3 of 3
Manure Type		le Risk Asses	sment Ranges							
Constructed Decommissioned Secondary Facilit										
This Facility is a:										
This Facility is a:	ound Water Facil	lity of								

	Secondary Surface Water Facility of
<u>- Da</u>	iry barn SE-02-043-25-W4 (425043021005)
	Facility Number 425043021005
	Facility Name Dairy barn
	Land SE-02-043-25-W4 ▼
	Building Type Barn ▼
	Facility Type Liquid Manure Storage
	Application (/Application/ViewApplication/8008) RA19016 ▼
	Liner Type Concrete •
	Runoff Control
	Run-on Control 🗹
	Liner Thickness (m)
	Condition Of Liner Uninspectable T
	Slope
	Depth Below Grade
	2.4
	Measured Liner HC (cm/s)
	Unknown
	Year Storage Built
	Months of Storage
	0
	Surface Water Issue O Yes No
	Action Required Yes No
	Berm Constructed Run-On Control Run-Off Control Pump Manure Management Plan Increase Capacity Incorporation
	Other (A) South Other (B) A Mark
	Reference(s) for UGR (ie. Well I.D., borehole #'s) 98049

Predominant Geold	ogy Sandstone								
Subsoil Texture Co	oarse 🔻								
Reference(s) for Pl	I (ie. Well I.D., bo	orehole #'s)							
297975	L (IC. Well 1.D., DC	orenoie # 3)							
Predominant Geolo	ogy Clav till								
Subsoil Texture M									
Depth Below Grade									
2.4									
(from above)									
PL Measured From	ı (m)								
1.8									
PL Measured To (m 3.4	n)								
Thickness Of PL (m	n)								
1	11)								
Soil Texture At Sur	rface Medium ▼	400-600 ▼							
	rface Medium k Profile is known to be up	slope of the facility - I	low risk.						
Soil Texture At Sur Surface Water Risk Body of water is No water body	rface Medium k Profile is known to be up with 800m - low	slope of the facility - I		nlain - high rick					
Soil Texture At Sur Surface Water Risk Body of water is No water body Facility is locate	rface Medium v k Profile is known to be up with 800m - low ed less than 1m (slope of the facility - I		plain - high risk.					
Soil Texture At Sur Surface Water Risk Body of water is No water body	rface Medium v k Profile is known to be up with 800m - low ed less than 1m (slope of the facility - I		plain - high risk.					
Soil Texture At Sur Surface Water Risk Body of water is No water body Facility is locate	rface Medium v k Profile is known to be up with 800m - low ed less than 1m (slope of the facility - I		plain - high risk.					
Soil Texture At Sur Surface Water Risk Body of water is No water body Facility is locate None of the Abo	rface Medium v k Profile is known to be up with 800m - low ed less than 1m (slope of the facility - I		plain - high risk.				H ori:	zontal Distance to Water Bo
Soil Texture At Sur Surface Water Risk Body of water is No water body Facility is locate	rface Medium v k Profile is known to be up with 800m - low ed less than 1m (slope of the facility - I		plain - high risk.					
Soil Texture At Sur Surface Water Risk Body of water is No water body Facility is locate None of the Abo >100m	rface Medium v k Profile is known to be up with 800m - low ed less than 1m (slope of the facility - I		plain - high risk.					
Soil Texture At Sur Surface Water Risk Body of water is No water body Facility is locate None of the Abo	rface Medium v k Profile is known to be up with 800m - low ed less than 1m (slope of the facility - I		plain - high risk.					
Soil Texture At Sur Surface Water Risk Body of water is No water body Facility is locate None of the Abo >100m	rface Medium v k Profile is known to be up with 800m - low ed less than 1m (slope of the facility - I		plain - high risk.					nd From Facility to Water Bo
Soil Texture At Sur Surface Water Risk Body of water is No water body Facility is locate None of the Abo >100m 4 - < 6 •	rface Medium vk Profile is known to be up with 800m - low ed less than 1m (to ove	slope of the facility - I		plain - high risk.					nd From Facility to Water Bo
Soil Texture At Sur Surface Water Risk Body of water is No water body Facility is locate None of the Abo >100m	rface Medium vk Profile is known to be up with 800m - low ed less than 1m (to ove	slope of the facility - I		plain - high risk.					nd From Facility to Water Bo Type of Yard Runoff Fl
Soil Texture At Surface Water Risk Body of water is No water body Facility is locate None of the Abo >100m 4 - < 6 Dispersed Flow	rface Medium v k Profile is known to be up with 800m - low ed less than 1m (i	slope of the facility - I		plain - high risk.					nd From Facility to Water Bo Type of Yard Runoff F
Soil Texture At Sur Surface Water Risk Body of water is No water body Facility is locate None of the Abo >100m 4 - < 6 •	rface Medium v k Profile is known to be up with 800m - low ed less than 1m (i ove	slope of the facility - I	e 1 in 25 year flood					Slope of Lar	nd From Facility to Water Bo Type of Yard Runoff Flo Vegetation Cov
Soil Texture At Sur Surface Water Risk Body of water is No water body Facility is locate None of the Abo >100m 4 - < 6 Dispersed Flow	rface Medium v k Profile is known to be up with 800m - low ed less than 1m (i ove	slope of the facility - I	e 1 in 25 year flood	1 of 1 25 V	CBW	Human Use	Outside 800m		zontal Distance to Water Bo nd From Facility to Water Bo Type of Yard Runoff Flo Vegetation Cov

Unnamed intermittent	Creek	east side of p	roposed addition	171	Downslope	4	Little		<u>E</u> (<u>D</u>
creek									
				Dago (of 1 25 ▼)
				Page 1	01 1 25 1			Viewii	ng 1 - 1 of 1
				Page 1	of 1 25 ▼			Viewi	ng 1 - 3 of 3
Well ID	Reference Point	Distance to Well (m)	Well Sealing Metho	Open Inte			Comments	Abandonec	Outside 400m
House well 98049 or	northoast coroner	122	No Seal/Unknown	(m) 3.70					
98050	of western portion of the existing barn		No Seal/Offictiown	3.70	Upslope				<u>[</u>
98050	southeast corenr of western portion of the existing barn	46	No Seal/Unknown	3.70	Upslope				
298704	southeast corenr of southern portion of the existing barn		Drive Shoe	25.00	Upslope				<u> </u>
4									
				Page 1	of 1 25 ▼			Viewi	ng 1 - 3 of 3
Liquid Solid Innual Manure Pr Innual Manure Pr Iotes	roduction 0	le Risk Assess	sment Ranges						
onstructed ecommissioned									
Secondary Facility	⁄ Status								
his Facility is a: Secondary Gro Secondary Sur			v						
Facility			J		✓ Download as I	PDF			

