

**State of Wisconsin - Department of Natural Resources
Substance Release Notification Report (SERTS)
Report created on 05/06/2013**

Incident Date & Time: 04/22/2013 00:00	Reported Date & Time: 04/22/2013 12:07	BRRTS No: 04-70-560437	Spill ID: 20130422NE70-1
DATCP Reported? No DATCP Transferred? No	NFA Letter Sent? No	ERP Transferred? No	Incident Closed? Yes : 05/06/2013

Location			
Region: NE	County: Waushara	Municipality: BLOOMFIELD, TOWNSHIP OF	
Facility/Property Name and Street Address: PINE BREEZE DAIRY W1776 ASPEN AVE		Description: DAIRY FARM	
Facility Type: Farmstead/Farm Field/Open Rural Upland			
Lat/Long:	PLSS:	WTM: X 602241 Y 411664	
Weather Conditions: Cloudy			

Responsible Parties			
Name/Address (1): PINE BREEZE DAIRY LLC W1776 ASPEN AVE PINE RIVER, WI 54965- (920) 375-0015 x Primary	Contact: BRIAN GERRITS OWNER (920) 378-1431 x primary	Other Contact: PAUL MATTINGLY (920) 375-0015 x primary	Spill Packet:

Cause
EQUIPMENT FAILURE DUE TO GROUND SETTLING

Cause Type: Manure Release (pit, line break, transportation, field application)

Substances						
Name	Other / Comments	Amt Released	Amt Recovered	Type	Color	Odor
Manure		20000.0 Gal	500000.0 Gal	LIQUID		Changed in BRRTS 5/15/13 DEH

Environmental Impacts / Damages			
Environmental Impacts: SOIL SURFACE WATER - Name : WETLANDS	Resource Damages: No	Injuries: No	Evacuation: No

Cleanup Actions	
Method	Description
Containment	EARTHEN BERM
Product/Waste Removed	

Cleanup Action Comments
JONES DID SITE VISITS ON 4-22 AND 4-23 DURING CLEANUP. CONTAINMENT BERMS WERE IN PLACE AND VACUUM TRUCK RECOVERING MANURE. CONTENTS OF IMPACTED POND PUMPED BACK INTO MANURE STORAGE.

Contractors Hired	
Name	Description

Waste Destinations	
Location	Description

04-70-560437

*add to SOE. scan & upload doc
mjs - 9 Jul. 2013*

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Agencies Notified / On Scene		
Agency	Notified	On Scene
DNR	X	X
COUNTY LAND CONSERVATION	X	X

Additional Comments

*** SUBMITTED VIA SERTS WEB FORM REF # 7141

Enforcement Action/Citation

Enforcement Action/Citation? No

Case Activity Reports:

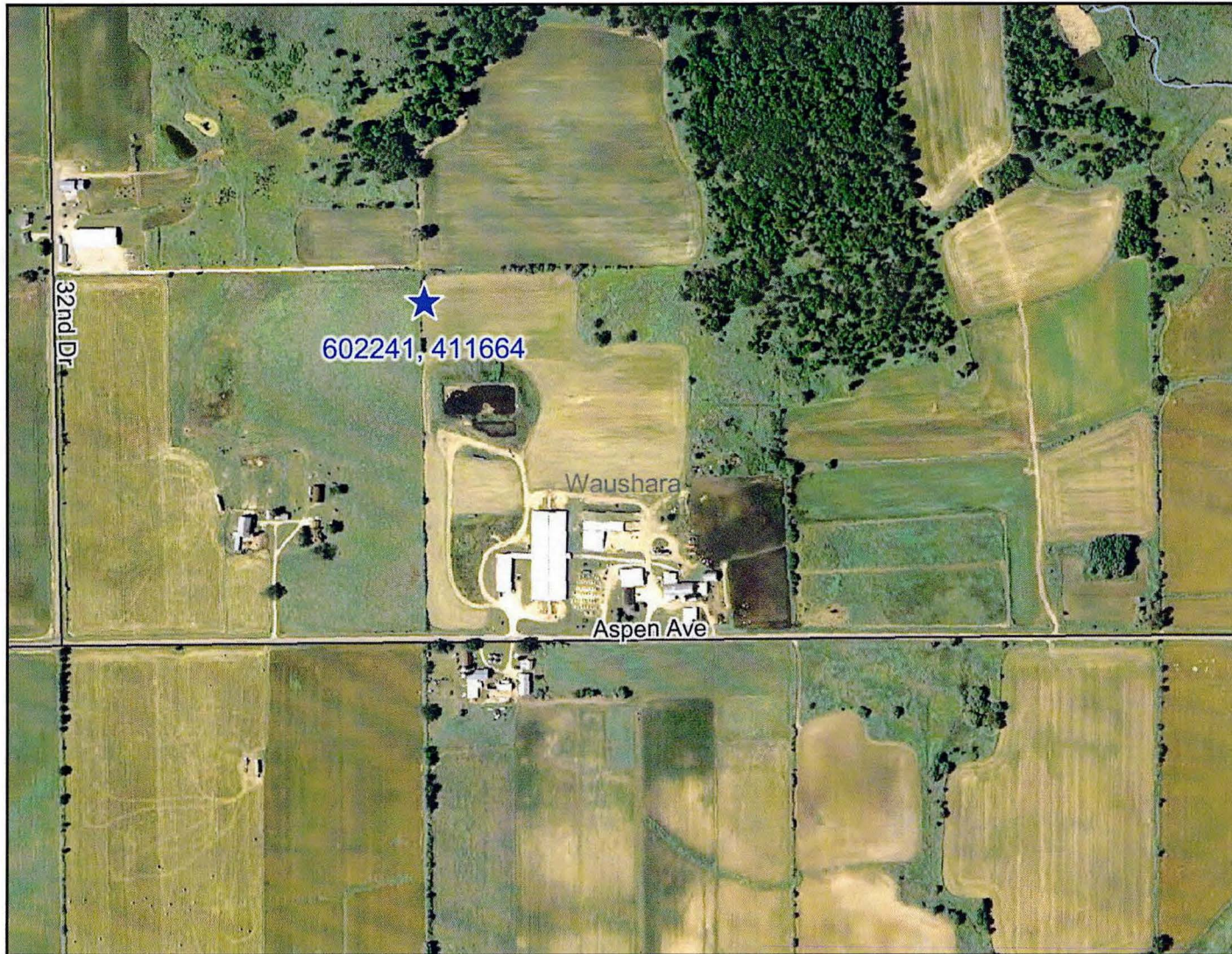
Person Reporting			
Name	Representing / Address	Primary Phone	Secondary Phone
BRIAN GERRITS	PINE BREEZE DAIRY	(920) 378-1431 x	

Contractors Hired	
Name / Address	Zone Contractor Hired by DNR?
	No




















Contacts				
Role	Name	Office Phone	Date	Time
Prepared By:	DAKOTA BERG	(608) 267-0844 x	04/22/2013	
Person Notified:	TED AMMAN		04/22/2013	
Investigated By:	CASEY JONES		04/22/2013	
Incident Commander:				
Spill Coordinator:	CASEY JO, NE Region	NES (920) 303-5 x	05/06/2013	

Electronic Attachments (list)	
Name	Type

20130422NE70-1



Legend

-  Open Sites (ongoing cleanups)
-  Open Sites (ongoing cleanups) - site boundaries shown
-  Closed Sites (completed cleanups)
-  Closed Sites (completed cleanups) - site boundaries shown
-  County Boundary
-  Railroads
-  County Roads (WDOT)
-  County Trunk Highway
-  State and U.S. Highways (WDOT)
-  State Trunk Highway
-  US Highway
-  Interstate Highways (WDOT)
-  Interstate Highway
-  Local Roads (WDOT)
-  Civil Towns
-  Civil Town
-  24K Open Water
-  24K Rivers and Shorelines
-  Municipalities

0 700 1400 2100 ft.

Map created on May 6, 2013

Note: Not all RR Sites have been geo-located yet.



Scale: 1:7,318

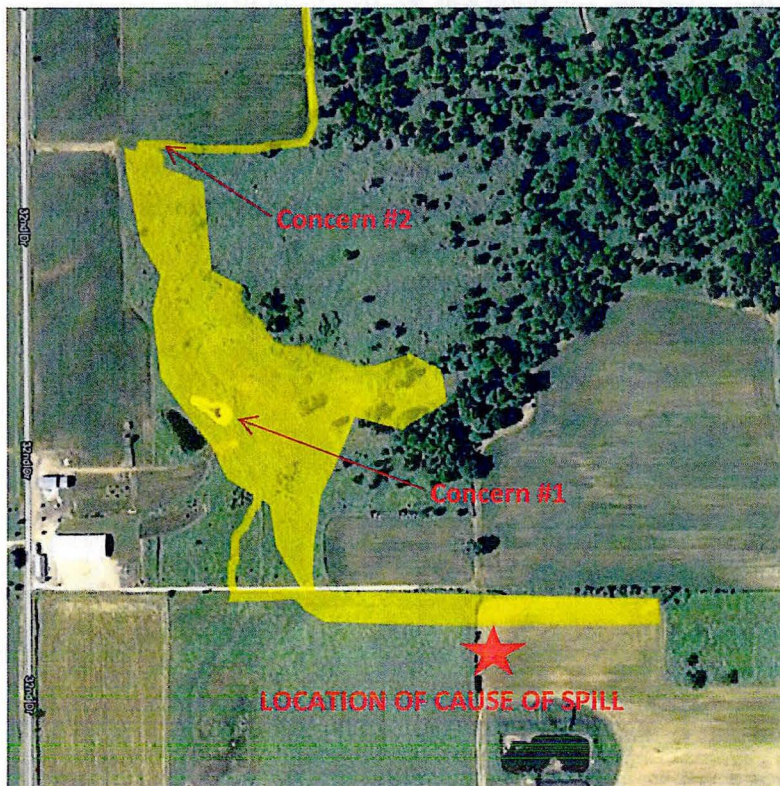
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

At approximately 11am on 4/22/13, Don Dretske notified the front office of a manure spill. Geoff Gerrits was the first to inspect the situation, identifying that the junction manhole on the north side of the property was overflowing. The main power switches at the control panel were turned off. The following contacts were made aware of the situation as soon as possible: Brian Gerrits (Breeze Dairy Group), Clay (Braun Electric), Casey Jones (WI DNR). A call was made to the WDNR Emergency Hotline by Brian Gerrits at approximately 11:50 a.m. to report the spill.

Geoff was met by Paul Mattingly, Ed Eastman, and neighbors Don Dretske and Steve Anderson. Decision was made to attempt to dam off the spill to contain any liquid on the site of PBD. Due to some areas being inaccessible by vehicle, sand dams were made on the upstream (south) side of the culverts, near the very edge of Dretske's property. Sand was continuously brought into place until those efforts proved accomplished.

Based on the amount of "wash-out" near the cause of the spill, and the amount of observed in the wetlands, it is estimated that approximately 20,000 gallons had flowed out of the manure system.

Inspection of the contamination showed that no manure had flowed further east than the north/south line of Barn #1 on PBD property. All liquid manure on PBD property had flowed west to the "breaker rock" pile. From there, liquid manure had made its way through nearby culverts on Dretske's property that cross underneath his "access road" into the "wetlands". Inspection, by means of walking, showed that liquid manure had made its way into the wetlands. A map below shows the area of contamination. Areas of concern are #1: the small "pond" on the northeast side of Dretske's north access road. The west "pond" did not seem to be affected. #2: manure had made its way to a major ditch that runs from West to East, approximately 1,000 ft. north of PBD property line. A sand dam was created immediately upon this discovery, which had stopped further flow into the ditch, resulting in full containment of all manure.



CAUSE:

The cause was due to ground settling underneath a junction manhole, which housed connectors and some pipes from 2 adjoining pump risers. When this manhole settled, pressure was placed on the joining pipes, causing a fitting to break inside of the manhole.

FIX:

All vulnerable pipes and fittings were replaced with a slightly modified design. The junction manhole was eliminated. The connecting pipes are now surrounded by clear stone for full-coverage support. The valves and t-connector are exposed, which will be easier to monitor their condition. The berm on the north side of the pumps will be built up and sloped towards the pits. If any failure were to occur in the future, liquid would gravity flow to the south, back into the manure pits.

The Pine Breeze Dairy Operations Manager will visually inspect the entire manure system 2 times each day; once at the start of his/her shift and again before they go home.

POST CLEANUP:

The following steps/actions were taken during cleanup. A vacuum truck was used to clean up the multiple puddles of manure along the north side of PBD property line and the far north-west driveway of the wetland area. This truck was used for 2 days to capture continued gravity flowing manure.

Most of the manure had flowed into the east pond (Concern #1), which is a low-spot within the wetlands. A PTO powered manure pump was placed into the pond and pumped back into PBD manure pit #2 (south west pit). Once pumped out completely, the pond was left overnight to allow liquids to continue to flow into the pond and slowly refill it. Clean water from an onsite pond was then pumped and allowed to flow through the contaminated area to serve as a flush cycle to move contaminants toward the pond. The pond was then pumped dry two more times, into day 2 after the spill. It is estimated that between 45,000 and 60,000 gallons of liquid were pumped back into the PBD manure system. The amount pumped back into the pit is more than the estimated amount that exited the pit due to the flushing cycle and the pond already being full of water.

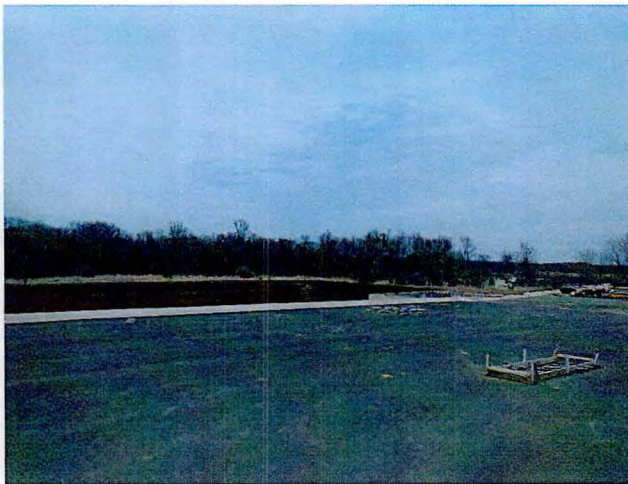
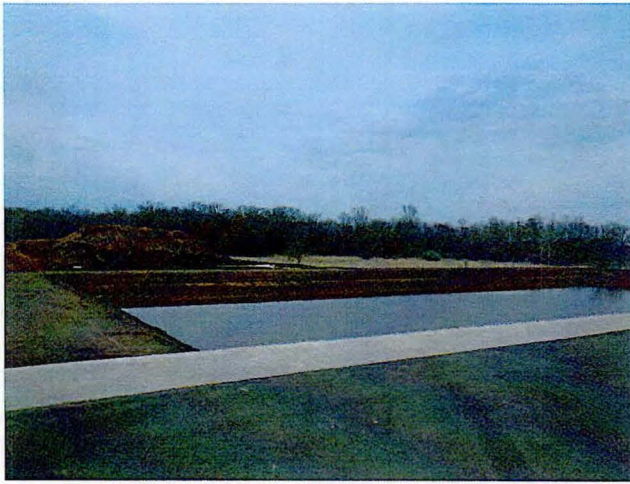
Photos 4-22-13.





4-22-13





Photos 4-23-13





From PBD, repaired piping

