United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N U	WAU000600	130212	=	R	3

Remarks

21 ____ 66

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved
67 ___ 69	70	71	72	73 ___ 74 75 ___ 80

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time/Date	Permit Effective Date
James Heeringa Dairy 9463 Hill Road Sumas, WA 98295	9:20 AM 2/12/13	N/A
	Exit Time/Date	Permit Expiration Date
	10:10 AM 2/12/13	N/A

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

Dan Heeringa, Operator
(b) (6) [redacted]

Other Facility Data *(e.g., SIC NAICS, and other descriptive information)*

112120 - Dairy Cattle and Milk Production

Unpermitted

Name, Address of Responsible Official/Title/Phone and Fax Number

James Heeringa, Owner and Operator
9463 Hill Road
Sumas, WA 98295
(b) (6) [redacted]

Contacted ☐ Yes ☑ No

Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

☐ Permit	☐ Self-Monitoring Program	☐ Pretreatment	☐ MS4
☐ Records/Reports	☐ Compliance Schedules	☐ Pollution Prevention	
✓ Facility Site Review	☐ Laboratory	✓ Storm Water	
☐ Effluent/Receiving Waters	✓ Operations & Maintenance	☐ Combined Sewer Overflow	
☐ Flow Measurement	☐ Sludge Handling/Disposal	☐ Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes SEV Description

RECEIVED
FEB 13 2013
Inspection & Enforcement Management Unit (IEMU)

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
Dustan Bott	EPA / OCE / (206) 553-5502	2/13/13
Jon Kinesrud	EPA / OCE / (206) 553-5068	
Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Numbers	Date
Kimberly A. Ogle	EPA/OCE/IEMU 3-0955	3/20/13

560-3 (Rev 1-06) Previous editions are obsolete.

NPDES WA U 000600

ICIS.
2-14-2013
JJ Brown

INSTRUCTIONS

Section A: National Data System Coding *(i.e., PCS)*

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. *(Use the Remarks columns to record the State permit number, if necessary.)*

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A Performance Audit
B Compliance Biomonitoring
C Compliance Evaluation (non-sampling)
D Diagnostic
F Pretreatment (Follow-up)
G Pretreatment (Audit)
I Industrial User (IU) Inspection
J Complaints
M Multimedia
N Spill
O Compliance Evaluation (Oversight)
P Pretreatment Compliance Inspection
R Reconnaissance
S Compliance Sampling

U IU Inspection with Pretreatment Audit
X Toxics Inspection
Z Sludge - Biosolids
Combined Sewer Overflow-Sampling
$ Combined Sewer Overflow-Non-Sampling
+ Sanitary Sewer Overflow-Sampling
& Sanitary Sewer Overflow-Non-Sampling
\ CAFO-Sampling
= CAFO-Non-Sampling
2 IU Sampling Inspection
3 IU Non-Sampling Inspection
4 IU Toxics Inspection
5 IU Sampling Inspection with Pretreatment
6 IU Non-Sampling Inspection with Pretreatment
7 IU Toxics with Pretreatment

! Pretreatment Compliance (Oversight)
@ Follow-up (enforcement)
{ Storm Water-Construction-Sampling
} Storm Water-Construction-Non-Sampling
: Storm Water-Non-Construction-Sampling
~ Storm Water-Non-Construction-Non-Sampling
< Storm Water-MS4-Sampling
- Storm Water-MS4-Non-Sampling
> Storm Water-MS4-Audit

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

A — State (Contractor)
B — EPA (Contractor)
E — Corps of Engineers
J — Joint EPA/State Inspectors—EPA Lead
L — Local Health Department (State)
N — NEIC Inspectors

O— Other Inspectors, Federal/EPA (Specify in Remarks columns)
P— Other Inspectors, State (Specify in Remarks columns)
R — EPA Regional Inspector
S — State Inspector
T — Joint State/EPA Inspectors—State lead

Column 20: Facility Type. Use one of the codes below to describe the facility.

1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
2 — Industrial. Other than municipal, agricultural, and Federal facilities.
3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
4 — Federal. Facilities identified as Federal by the EPA Regional Office.
5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

RECEIVED

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

James Heeringa Dairy NPDES CAFO Inspection, 2/12/13 Photograph Log

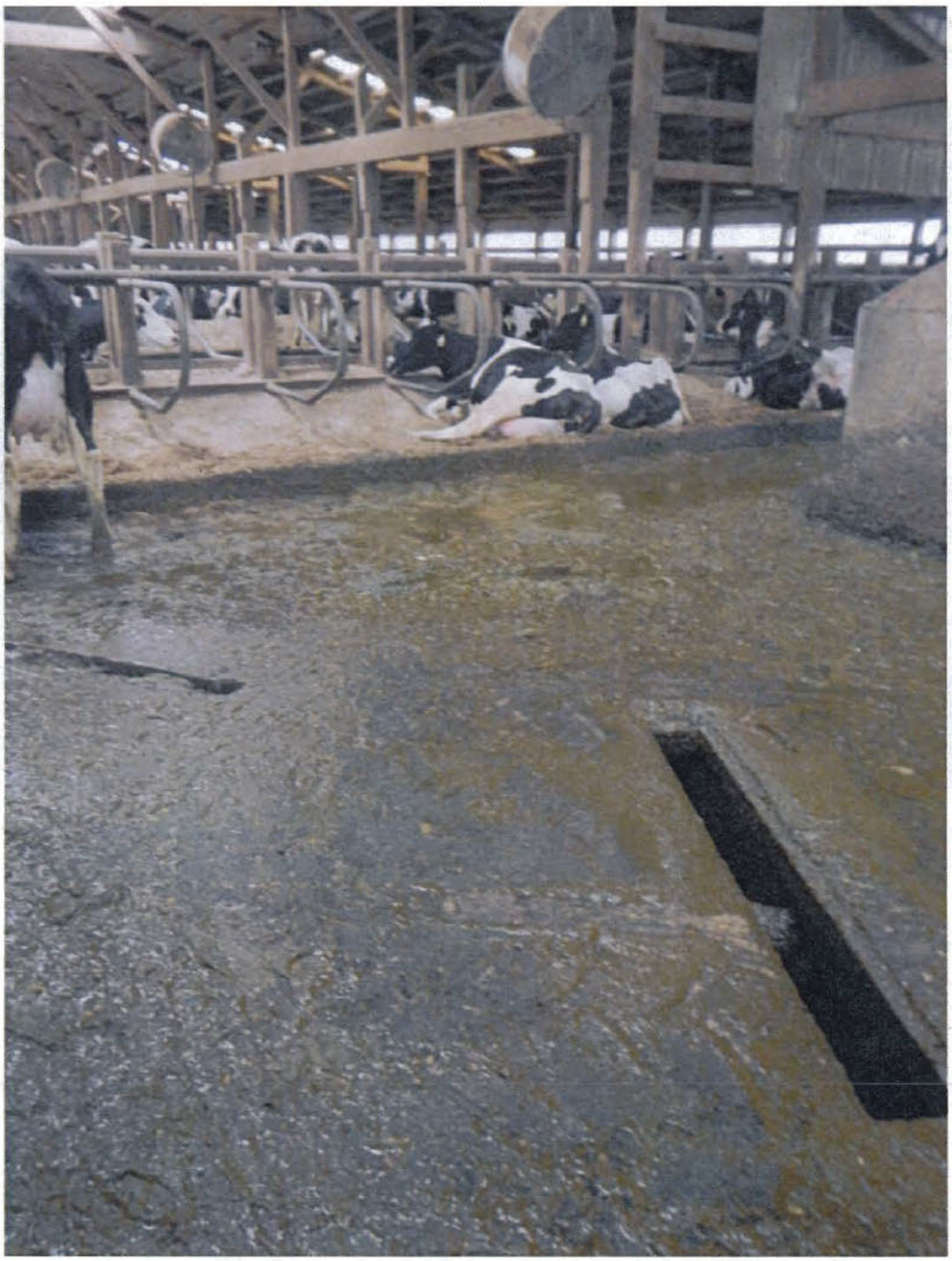
Unless otherwise noted, all photos are taken by Jon Klemesrud.

Facility Location: 9463 Hill Road, Sumas, WA 98295

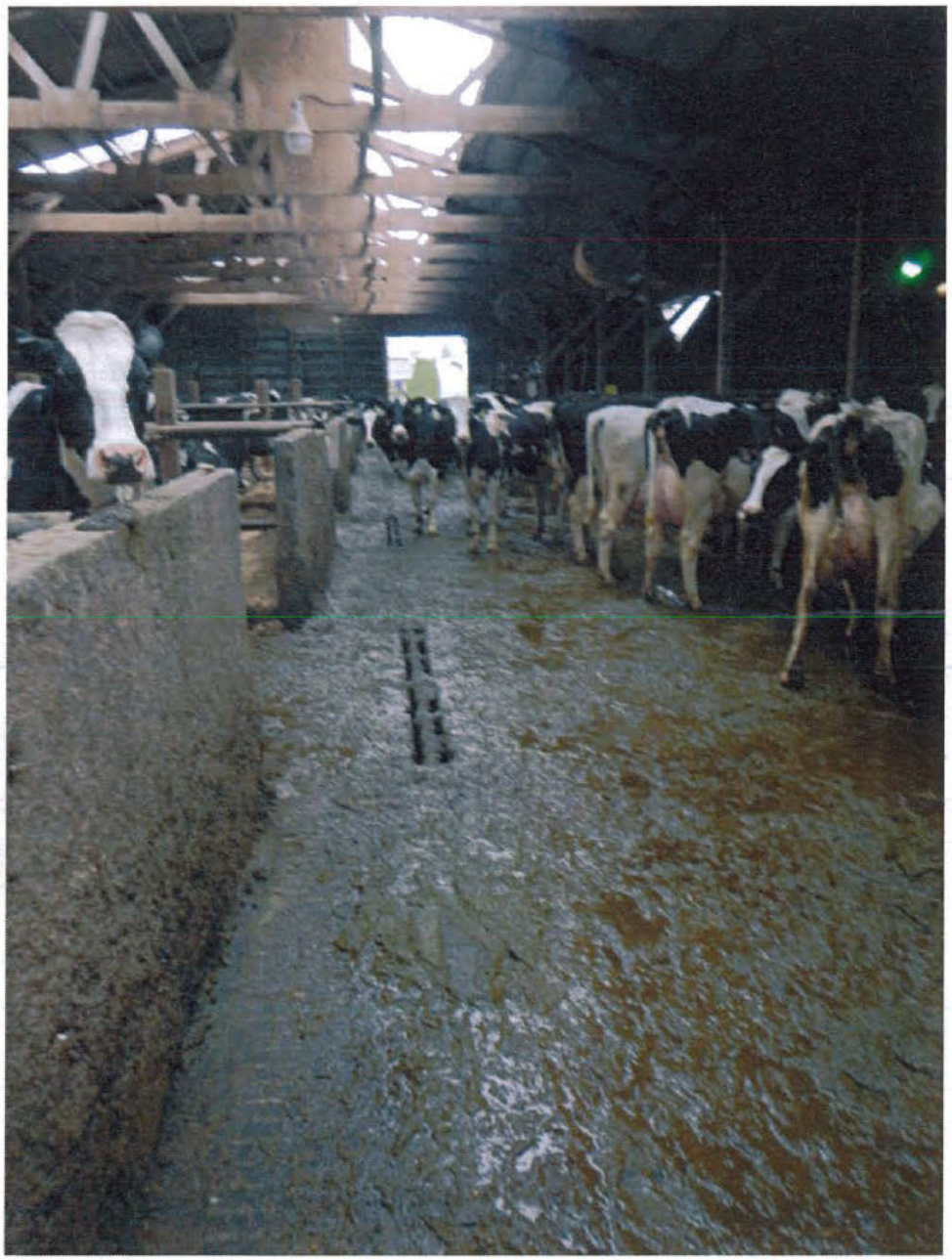
(1): Taken from Google Earth. This is an aerial view of both the main facility and the heifer facility for the James Heeringa Dairy (highlighted by the blue boxes).

(2): Taken from Google Earth. This is a closer aerial view of the main facility for the James Heeringa Dairy, located at 9463 Hill Road in Sumas, WA.

(3): Taken from Google Earth. This is a closer aerial view of the heifer facility for the James Heeringa Dairy, located at just south of the main facility on the east side of Hill Road.



(4) 02122013 001.JPG: Facing north, photo of the facility's main below ground waste storage tank located in the north barn, a covered confinement area.



(5) 02122013 002.JPG: Facing east, photo of an alley way located inside the barn. Each alleyway has several openings which manure is routed to the main below ground waste storage tank.

(6) 02122013 003.JPG: Facing north, photo showing distance to the nearest surface water, Johnson Creek, located before the barn in the background approximately 200ft away.

(7) 02122013 004.JPG: Facing south, photo of a below ground waste storage tank that is used to collect manure from the facility's newest barn. Once in the tank, manure is transferred to an above ground tank and then routed to one of the two lagoons located at the nearby heifer facility.

(8) 02122013 005.JPG: Facing east, photo of the above ground tank (approximately 735,000 gallons) used to store manure.

(9) 02122013 006.JPG: Facing east, photo of an automatic manure scraper system installed at the newest barn.

(10) 02122013 007.JPG: Facing north, photo of the covered feed storage area.

(11) 02122013 008.JPG: Facing south, photo of the smaller of the facility's two waste storage lagoons at the time of inspection. Both of the lagoons are located at the heifer facility. This one, the west lagoon, is approximately 1.325 million gallons in capacity.

(12) 02122013 009.JPG: Facing east, photo of the larger of the facility's two waste storage lagoons at the time of inspection. Both lagoons are located at the heifer facility. This one, the east lagoon, is approximately 3.229 million gallons in capacity.

(13) 02122013 010.JPG: Facing south, photo of the solid storage area located at the heifer facility.

ICDS Attachment D: Concentrated Animal Feeding Operation (CAFO) (page 1 of 2)

General Information

Is the Animal Facility Type a CAFO? *(Yes or No)*	Yes
CAFO Classification? *(Large, Medium, or Small)*	
CAFO Designation Date: *(mm/dd/yyyy)*	
Designation Reason:	

Discharges During Year From Production Area: *(Check only ONE)*

X	No
	Yes (Authorized only)
	Yes (Unauthorized only)
	Yes (Both Authorized/ Unauthorized)

Solid & Liquid Manure

Solid Manure or Litter Generated: *(Tons)*	
Liquid Manure or Wastewater Generated: *Gallons)*	
Solid Manure or Litter Transferred: (Tons)	
Liquid Manure or Wastewater Transferred: *(Gallons)*	

NMP (Nutrient Management Plan)

Does the facility have an NMP developed or approved by a certified planner? *(Yes or No)*	Yes
NMP Developed Date: *(mm/dd/yyyy)*	
NMP Last Updated Date: *(mm/dd/yyyy)*	

EMS (Environmental Management System)

Does the facility have an EMS? *(Yes or No)*	
EMS Developed Date: *(mm/dd/yyyy)*	
EMS Last Updated Date: *(mm/dd/yyyy)*	

Land Application BMP (Best Management Practices)

	Type *(Check all applicable)*
	Buffers
	Setbacks
	Conservation Tillage
	Constructed Wetlands
	Infiltration Field
	Grass Filter
	Terrace
	Residue Management
	Other: (Specify)

Animal Type

	Type *(Check all applicable)*	**Open Confinement Count** *(#)*	**Housed Under Roof Confinement Count** *(#)*	**Total #**
	Mature Dairy Cattle			730
	Veal Calves			
	Cattle (All except Mature Dairy Cattle & Veal Calves)			
	Swine over 55 lbs			
	Swine under 55 lbs			
	Horses			
	Sheep or Lambs			
	Turkeys			
	Chicken (All except Layers)			
	Chicken (Layers)			
	Ducks			
	Other: (Specify)			

Manure, Litter, & Processed Wastewater Storage Types

	Type *(Check all applicable)*	**Storage Total Capacity Measure** *(#-- specify Tons or Gallons)*	**Days of Storage** *(#)*
	Wastewater Treatment Lagoon		
X	Storage Lagoon	4.554 MG	42 days
	Evaporation Pond		
X	Above Ground Storage Tanks	735,000 ga	
	Below Ground Storage Tanks		
	Roofed Storage Shed		
	Concrete Pad		
	Impervious Soil Pad		
	Underflow Pits		
	Anaerobic Digester		
	Outdoor Piles		
	None		
	Other: (Specify)		

ICDS Attachment D: CAFO (page 2 of 2)

Land Application

Land Available for Application Measure: *(# of acres)*	450
Number of Acres of Contributing Drainage from Production Area: *(# of acres that are drained & collected in the production area)*	

Livestock

Livestock Maximum Capacity: *(# of animals)*	
Livestock Capacity Determination Based Upon: *(# of animals)*	
Authorized Livestock Capacity: *(the maximum # of animals that the Facility is authorized to handle which could be the same as the Designed Maximum Capacity)*	

Containment Type

	Type *(Check all applicable)*	**Total Capacity** *(#)*
	Lagoon	
	Holding Pond	
	Evaporation Pond	
	Other: *(Specify)*	

Violation Types

	Type *(Check all applicable)*
	Failure to Have an NMP
	Failure to Follow an NMP
	Inadequate Storage
	Unauthorized Discharge
	Improper Record Keeping
	Failure to Follow Setbacks/Vegetative Buffering
	Failure to Sample/Test Manure/Soil
	Failure to Submit Annual Report