

Milk Hauling and Sampling

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Northwest Region Supervisor
Mid East Area Council

Dairy Practices Council – Kansas City, MO Nov. 2014

Milk Hauling and Sampling



Some things never change

Milk Hauling and Sampling



**It really doesn't
matter how
we're hauling**



Milk Hauling and Sampling



Some things to look for

Sample Pickup Procedures

- **Sample dipper clean & sanitized**
- **Observe the milk**
- **Accurate weight**
- **Accurate paperwork**
- **Sample ID and Temp sample**
- **Proper agitation**
- **Sample after agitation**
- **Samples in ice & water**
- **Rinse and sanitize valve**
- **Hose through the hoseport**
- **Observe the empty tank**

Labeling

Bulk Milk Tanker License #:

09-011

Tanker Serial #: BPC 00001

Department of Health & Human Services
Inspection Date:

Jan	Feb	Mar	1	2	3	4	5	6	7	8	9	10
Apr	May	Jun	11	12	13	14	15	16	17	18	19	20
Jul	Aug	Sep	21	22	23	24	25	26	27	28	29	30
Oct	Nov	Dec	31			2008	2009	2010	2011			





Clean and sanitize dipper and thermometer

Sanitizer – Chlorine or Iodine



Sampler Supplies

- Sample vials properly stored
- Test Strips for testing sanitizer strength



***** NON NEGOTIABLE ***** AUTOMATIC DEPOSIT CONFIRMATION

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXXXXXXXXXX

Total Pounds 887,832

Payment through

	Pounds	Factors	Rates	Amounts	
Butterfat		3.720%		33,027 2.29850 lb	75,912.55
Protein		3.000%		26,635 3.83050 lb	102,025.36
Other Solids		5.760%		51,139 .38110 lb	19,489.07

• **Total Component Value 22.23690 cwt 197,426.98**

• **Price Differential (PPD) .60000 5,326.99**
Producer Blend 22.83698 cwt 202,754.01

• **109 RBST FREE PREMIUM FXD +.16000**
201 QUALITY PREMIUM +.30000

• **Pay price cwt \$23.29698**
Gross Payment \$206,838.04

501 VOLUME PREMIUM \$1,775.66

Total Gross Pay \$208,613.70

***** NON NEGOTIABLE ***** AUTOMATIC DEPOSIT CONFIRMATION

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXXXXXXXXXX

Total Pounds 887,832

Payment through

	Factors	Pounds	Rates	Amounts		
Butterfat	3.720%	33,027	2.29850 lb	75,912.55	3.50%	71,423.86
Protein	3.000%	26,635	3.83050 lb	102,025.36	2.90%	98,624.37
Other Solids	5.760%	51,139	.38110 lb	19,489.07	5.60%	18,947.76

Total Component Value 22.23690 cwt 197,426.98 188,995.99
(8,430.99)

Price Differential (PPD) .60000 5,326.99
Producer Blend 22.83698 cwt 202,754.01

109 RBST FREE PREMIUM FXD +.16000
201 QUALITY PREMIUM +.30000 -.30 (2,663.50)

Pay price cwt \$23.29698
Gross Payment \$206,838.04

501 VOLUME PREMIUM \$1,775.66
Total Gross Pay \$208,613.70 \$197,519.21

(\$11,094.49)

\$1.25 cwt

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13-Month Butterfat/Quality Report

PGM: QC622YR

Date Selection From

r - Not used for payment

U - Unsatisfactory/poor

Division - XX

B - Both r & U

NF - Not Found

Area - 8221 Member - XXXXXXXXXXXXX

PLC/

Sample	BF	Prot	MUN	OS	Lact	PAC/	OSCC	PI	TPC	Cryo	Sedi	GI	Tp
						ML			(LP)				

Act.

09/21/11	3.79	3.10	11.8	5.83	4.86		160			-552			
09/20/11	3.80	3.08	13.3	5.82	4.87		160			-552			
09/19/11	3.75	3.12	12.2	5.78	4.85	3	150	13		-551			
09/18/11	3.79	3.11	11.9	5.78	4.85		170			-552			
09/17/11	3.77	3.09	12.2	5.77	4.85		140			-552			
09/16/11	3.86	3.06	11.3	5.78	4.85		160			-553			
09/15/11	3.76	3.02	12.1	5.77	4.84		150			-550			
09/14/11	3.76	3.03	12.4	5.76	4.84		150			-551			
09/13/11	3.74	3.01	11.9	5.77	4.88		150			-549			
09/12/11	3.72	3.02	11.6	5.81	4.90	2	140	21		-552			
09/11/11	3.76	3.01	12.7	5.83	4.88		210			-551			
09/10/11	3.72	3.01	11.8	5.77	4.86		260			-549			
09/09/11	3.70	3.01	15.2	5.75	4.86		210			-550			
09/08/11	3.75	3.02	14.5	5.80	4.87		180			-552			
09/07/11	3.74	2.99	15.9	5.82	4.88		160			-555			
09/05/11						4	160	14				NF	38
09/04/11	3.74	2.92	16.3	5.79	4.89		140			-549			
09/03/11	3.72	2.92	14.7	5.78	4.87		150			-546			
09/02/11	3.76	2.95	14.4	5.79	4.86		150			-548			
09/01/11	3.76	3.00	13.2	5.80	4.87		130			-550			

22:11:11

13-Month Butterfat/Quality Report

PGM: QC622YR

Date Selection From

r - Not used for payment

U - Unsatisfactory/poor

B - Both r & U

NF - Not Found

Division - XX

Area - XXXX Member - XXXXXXXXXXXX

PLC/

Sample	BF	Prot	MUN ML Act.	OS	Lact	PAC/ (LP)	OSCC	PI	TPC	Cryo	Sedi	GI	Tp
02/28/12	3.27N	3.12	11.4	5.80	4.88			390					
02/26/12	9.99	2.92	5.9	5.36	4.50	870 U		3300 U					
02/24/12	9.99R	2.92	7.2	5.16	4.39			3000 U					
02/22/12	2.03N	3.20	11.4	5.76	4.94	5							
02/20/12	3.44	3.17	12.0	5.75	4.83	8		240					
02/18/12	3.46	3.23	8.0	5.76	4.85			570 U					
02/16/12	3.39	3.17	9.4	5.76	4.86			250					
02/14/12	3.54	3.23	9.8	5.75	4.85			240					
02/12/12	3.44	3.22	13.0	5.77	4.84	10		380					
02/10/12	3.40	3.20	10.9	5.70	4.82			400					
02/08/12	3.50	3.26	10.0	5.70	4.84			540 U					
02/06/12	3.62	3.21	11.6	5.73	4.83			300					
02/04/12						7		280				NF	38

[illegible]

09/08/13	3.33	3.10	9.5	5.81	4.82		100			-0.543			
09/07/13	3.67	3.14	8.3	5.79	4.84		120			-0.546			
09/05/13	3.50	3.13	8.7	5.79	4.83		120			-0.545			
09/04/13						9	120	18 r	E < 1		NF	38	
09/03/13	3.43	3.12	9.0	5.76	4.87		120			-0.547			
08/30/13	3.41	3.13	11.4	5.82	4.85		130			-0.542			
08/29/13	3.36	3.19	11.1	5.78	4.85		140			-0.544			
08/28/13	3.36	3.22	13.1	5.78	4.81	1	120	3	E < 1	-0.541			
08/26/13	3.51	3.15	12.3	5.83	4.80		130			-0.541			
08/25/13	3.65	3.18	11.5	5.79	4.80		140			-0.541			
08/24/13	3.53	3.18	11.4	5.79	4.81		140			-0.541			
08/23/13	3.48	3.15	10.8	5.78	4.85		120			-0.543			
08/22/13	3.48	3.10	10.5	5.78	4.84		110			-0.540			
08/19/13	3.72	3.11	10.6	5.76	4.82	3	130	4 r	1	-0.539			
08/18/13	3.53	3.10	10.4	5.81	4.85		120			-0.541			
08/17/13	3.52	3.14	10.7	5.78	4.83		120			-0.541			
08/15/13	3.49	3.11	10.3	5.79	4.80		130			-0.538			
08/14/13	3.66	3.21	7.5	5.77	4.84		140			-0.543			
08/13/13	3.44	3.15	11.1	5.80	4.82		120			-0.540			
08/12/13	3.39	3.18	10.0	5.77	4.85	1	120	1		-0.543			
08/10/13	3.56	3.16	10.6	5.69	4.80		140			-0.537			
08/09/13	3.50	3.12	10.3	5.76	4.82		120			-0.538			
08/08/13	3.67	3.11	10.7	5.78	4.79		120			-0.536			
08/07/13	3.48	3.07	9.9	5.82	4.82		120			-0.549			2.73
08/06/13	3.56	3.13	9.4	5.74	4.83		130			-0.544			
08/04/13						1	130	1	E < 1		NF	38	
08/03/13	3.51	3.11	7.0	5.73	4.85		150			-0.550			2.73
08/01/13	3.32	3.14	5.6	5.72	4.84		120			-0.552			2.73
07/30/13	3.46	3.13	9.6	5.69	4.82		120			-0.543			2.72
07/29/13	3.74	3.14	10.7	5.68	4.83		140			-0.544			2.73
07/28/13	3.52	3.12	10.6	5.73	4.86		140			-0.545			2.70
07/26/13	3.58	3.22	11.4	5.74	4.84		130			-0.545			2.64

OBSERVATIONS - MARKED WITH A

✓ = satisfactory

✗ = not satisfactory

✓	Driver's hygiene is acceptable for sampling milk.
✓	Truck and tank parts are clean and in good repair.
✓	Measuring stick is dried with single-service paper towel, milk is perfectly still, and a minimum of two identical readings are taken accurately. <i>sight gauge</i>
✗	Milk is checked for odors and appearance. <i>Need to remove side window check for odors and appearance and dip sample after 10 minute agitation</i>
✗	Milk temperature is checked <u>40</u> °F. Test thermometer is properly sanitized and within 6 months of certification. Date certified <u>2/20/13</u> .
✗	Sampling equipment and containers are clean, properly constructed, and stored. Sampler is sanitized for one minute in 200 ppm chlorine or equivalent. <i>no sampler equipment</i>
✓	Milk is agitated 5 minutes or longer if specified by the tank manufacturer.
✗	Sample dipper is rinsed two times in agitating milk prior to sample collection. <i>no dipper</i>
✓	Sample is not transferred from dipper to vial while being held over bulk tank. Vial is filled ¾ full.
✓	Sample vial top is properly labeled and the bar code is positioned correctly.
✗	Sample dipper is rinsed in tap water and returned to its container. <i>no dipper</i>
✗	Sample is promptly placed in float, in ice water mixture, temperature _____ °F. <i>NO ICE</i>
✗	Temperature control sample properly labeled.
✓	Tanker properly sealed and correct wash tag. <i>Chobani 9/17/13</i>
✓	Ticket receipt is legible and properly filled out. Ticket # <u>182916</u> .
	Bulk tank valve is sanitized, tank is drained completely and rinsed.

Comments: *No ice. Sample was collected from bottom of tank. No dipper. Have thermometer certified. Collect temperature control at first stop.*

Chain of Custody

- **Required for every producer sample**
- **Required for every load**

Deliver To Number **Deliver To Name/City** **Bill To Number** **Bill To Name/City**

Load Chain of Custody

Comments 

Sample Chain of Custody

Driver Signature

Receiver Signature



F

10041807



■

20041807

1562



No.	Item	Number Inspected	Number Complying	Percent Complying	Weight	Credit
1	Sampling Surveillance Officers Properly Certified	3	3	100%	5	5
2	Adequate Training Program Provided	1	1	100%	5	5
3	Sampling Surveillance Authority Properly Delegated	7	7	100%	10	10
4	All Samplers Hold a Valid Permit	41	41	100%	10	10
5	Samplers Evaluated Every Two (2) Years and Reports Properly Filed	41	39	95%	30	28.5366
6	Sampling Procedures in Substantial Compliance	39	22	56%	15	8.46154
7	Permit Suspension, etc., Taken as Required	22	22	100%	15	15
8	Records Systematically Maintained and Current	48	48	100%	10	10
9	TOTAL CREDITS				100	91.99812

Comments:

There were 41 farm bulk milk receivers identified, which includes one CMI.

Item

5: The following milk receivers have not been evaluated in the last 24 months; John Barney, Peter Paige, James Turner.

Item 6: The following

milk receivers had illegible and/or incomplete names, or, missing license numbers. They include; J. Waldren #912459, E.Harringshaw #4376, "BVV"#958998, R.Worthington (#?), Neal #958612, L.Harrington #958945, Jared Tyler #?, Don #?, Joe O'Neill #?, Bob Johnson #?, Fred #916289, Padgett #959285, Name ? #017218, Christian ? #958834, Brian ? #916891, Wayne Brooks #?, Troy ? # 959096.

Proper agitation

- Every tank a minimum of 5 minutes
- Observed agitation

Samples in ice & water

3 things needed for samples



SOP For Farm Vertical Tank Sample Collection Using An Acceptable Sample Septum And A Sterile Needle With Syringe To Dispense The Milk Into A Sterile Vial

Device Requirements:

- 1) Use only acceptable sterile septum inserts; make sure the nut holding the insert in place is tight.**
- 2) If a protective septum cover has been provided it should be in place at all times when the septum is not in use.**
- 3) New, sterile sealed needles must be used for each sample collection.**
- 4) Vials must only be used for collecting the sample from one (1) farm silo tank.**

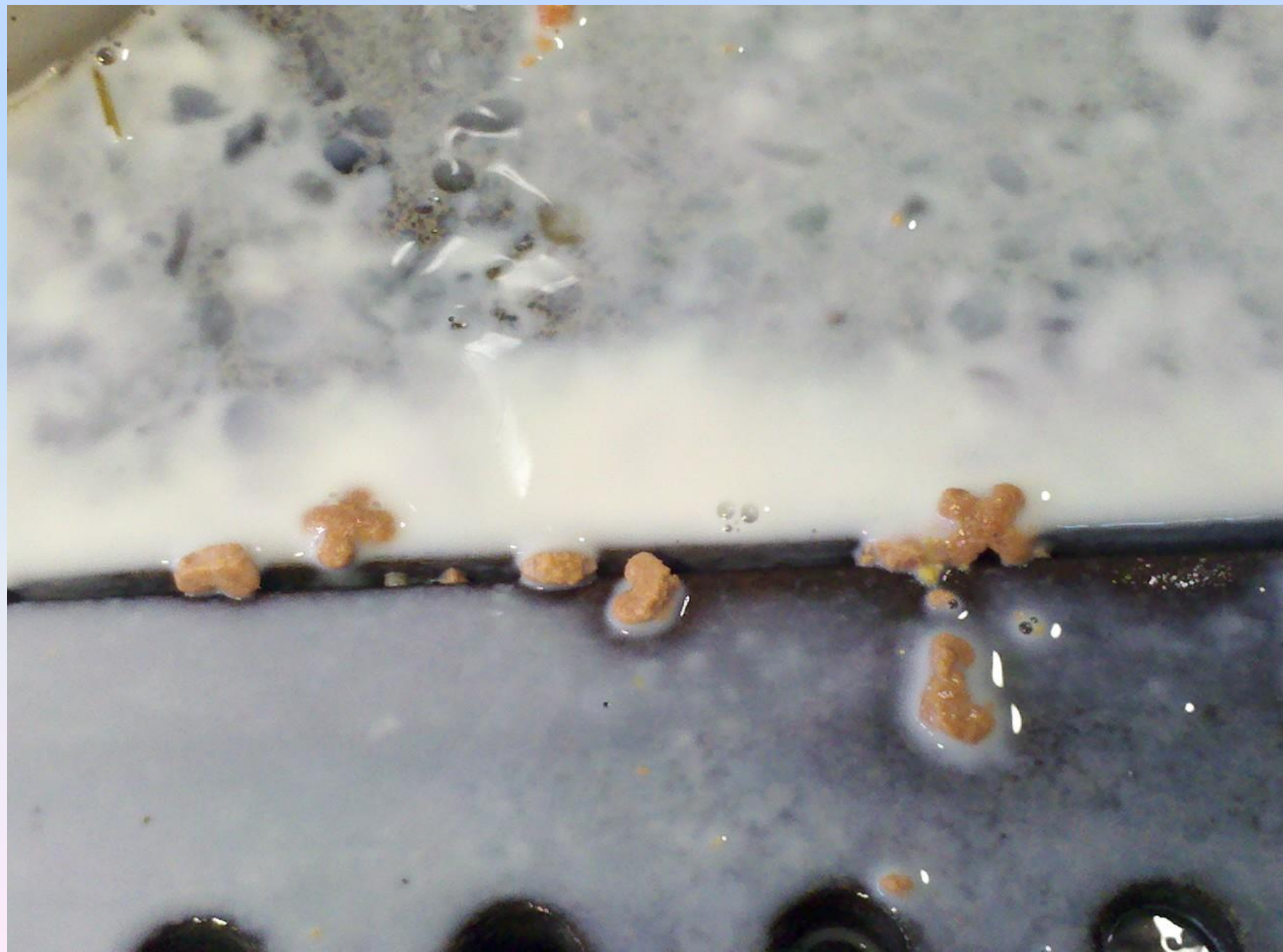
Collecting the Representative Milk Sample:

- 1) The person(s) performing the following steps shall possess a valid bulk milk hauler/sampler license/permit issued by the State Milk Regulatory Agency and their sampling techniques shall be evaluated at least once every twenty-four (24) months by the State Regulatory Agency.**
- 2) The person(s) performing the following steps shall wash their hands before handling the equipment used to collect the milk sample.**
- 3) The milk in the farm vertical tank must be adequately agitated for the required time (a minimum of 10 minutes or as recommended by the silo manufacturer) before the collection of the sample may begin.**
- 4) At the desired sampling time use an Alcohol Prep pad to thoroughly clean and sanitize the septum surface, and expose the area for one (1) minute.**

- 5) Use a new sampling port each time you start collecting samples. Replace the septum when all sampling ports have been used. NOTE: If a positive antibiotic result is obtained, manually clean, sanitize and replace the septum prior to the next milking.
- 6) To begin the sampling of the farm vertical tank; aseptically open the sterile syringe package, and by using the packaging material to grasp the syringe, make no contact with the needle end of the syringe. Remove the new, sterile, sealed needle by breaking the seal on the needle case, remove the end cap, and without making contact with the needle, by grasping the protective case, conjoin the ends of both the syringe and needle by pushing the two together. Insert the needle through one of the unused sampling guide ports. To correctly insert the needle, slant the needle slightly toward the center of the sample septum. Draw the appropriate amount of milk sample, carefully remove the syringe from the septum, and immediately fill the milk sample vial to the identified line with milk without touching the vial to the needle.
- 7) Immediately place the vial into a properly constructed sample storage case, designed to maintain the sample at 0°C – 4.4°C (32°F - 40°F) and which protects the vial from contamination.
- 8) Dispose all single use items in the appropriate container. A sharps container has been provided.
- 9) The sampling septum device may be cleaned-in-place (CIP). However, when replacing the septum after all sampling guide ports have been used, the opening that the septum sets in must be hand cleaned & sanitized.



Take a look!





- **Producer ID**
- **Date**
- **Time**
- **Temperature**
- **Calibration**
- **Weight**
- **Full Name**
- **Weigher Sampler Permit**
- **Each and every pickup!!**

TIME 24 HR/MIN		POUNDS		TIME 24 HR/MIN		POUNDS	
TEMP	STICK INCH/32NDS	F	DAYS	TEMP	STICK INCH/32NDS	F	DAYS
NO S/C			R	NO S/C			R
<p>INSTRUCTIONS: At each pickup, one of these forms must be placed behind the last copy of delivery ticket. After entering required information, remove this form, fill in date, driver name, license number and producer number. Leave form for the producer.</p>							
<p>Pickup Date _____</p>				<p>Driver Signature / Sampler Name _____</p>			
<p>Sampler License No. _____</p>				<p>Producer No. _____</p>			
<p>Atwater Processing Service P.O. Box 4844, Sarasota, FL 34221-4844</p>							

Propped open - OK?? Any other issues?











THE GUIDA - SEIBERT DAIRY CO..

435 PARK ST. NEW BRITAIN, CT 06051

**HOSE & PUMP WASHED BY
DRIVERS INITIALS**

1100 TH

TRAILER LICENSE

#

BIS 40C

WASHED AND SANITIZED

PLANT # 09-183

435 PARK ST. NEW BRITAIN, CT 06051

DATE AND TIME

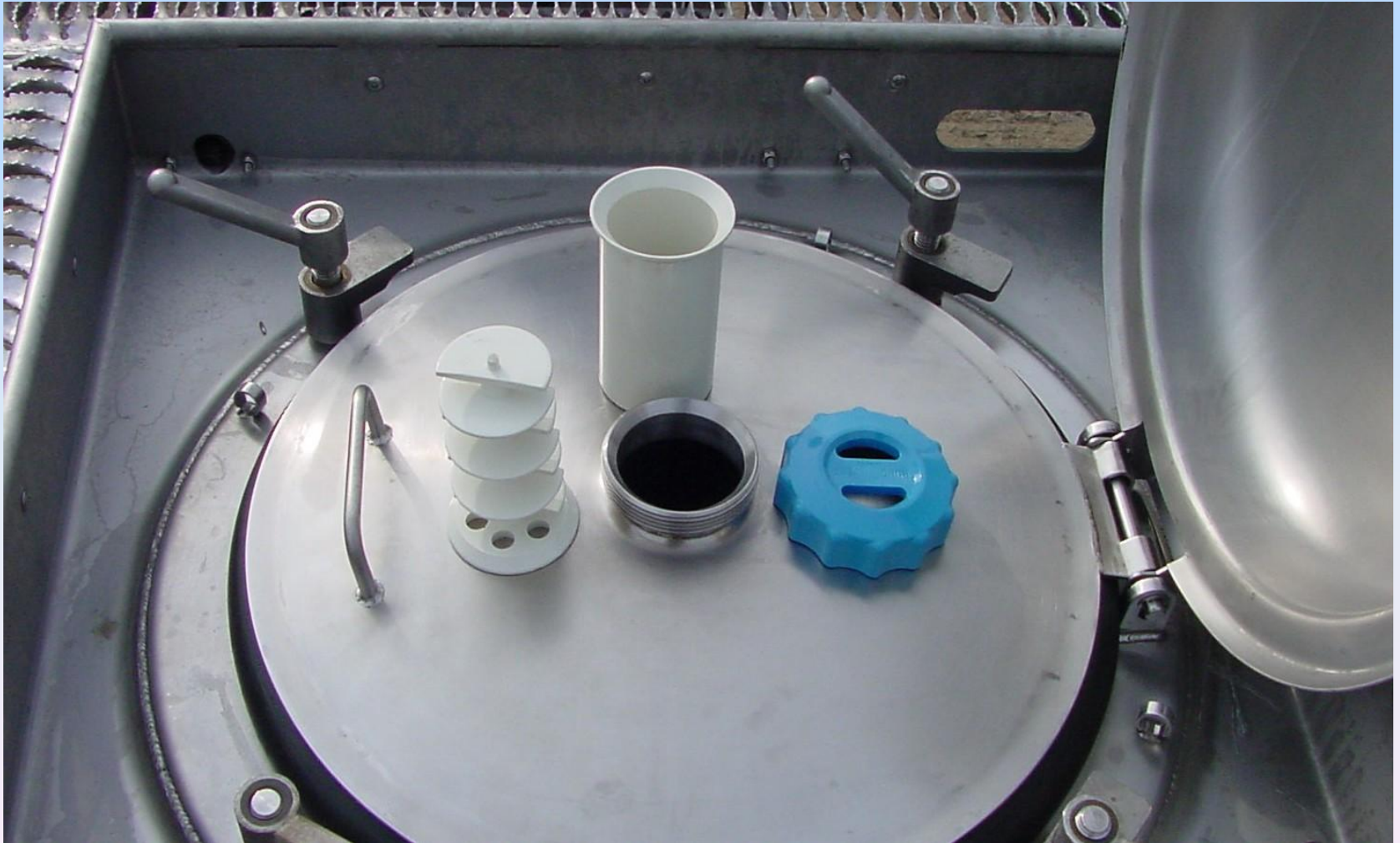
12/9/09

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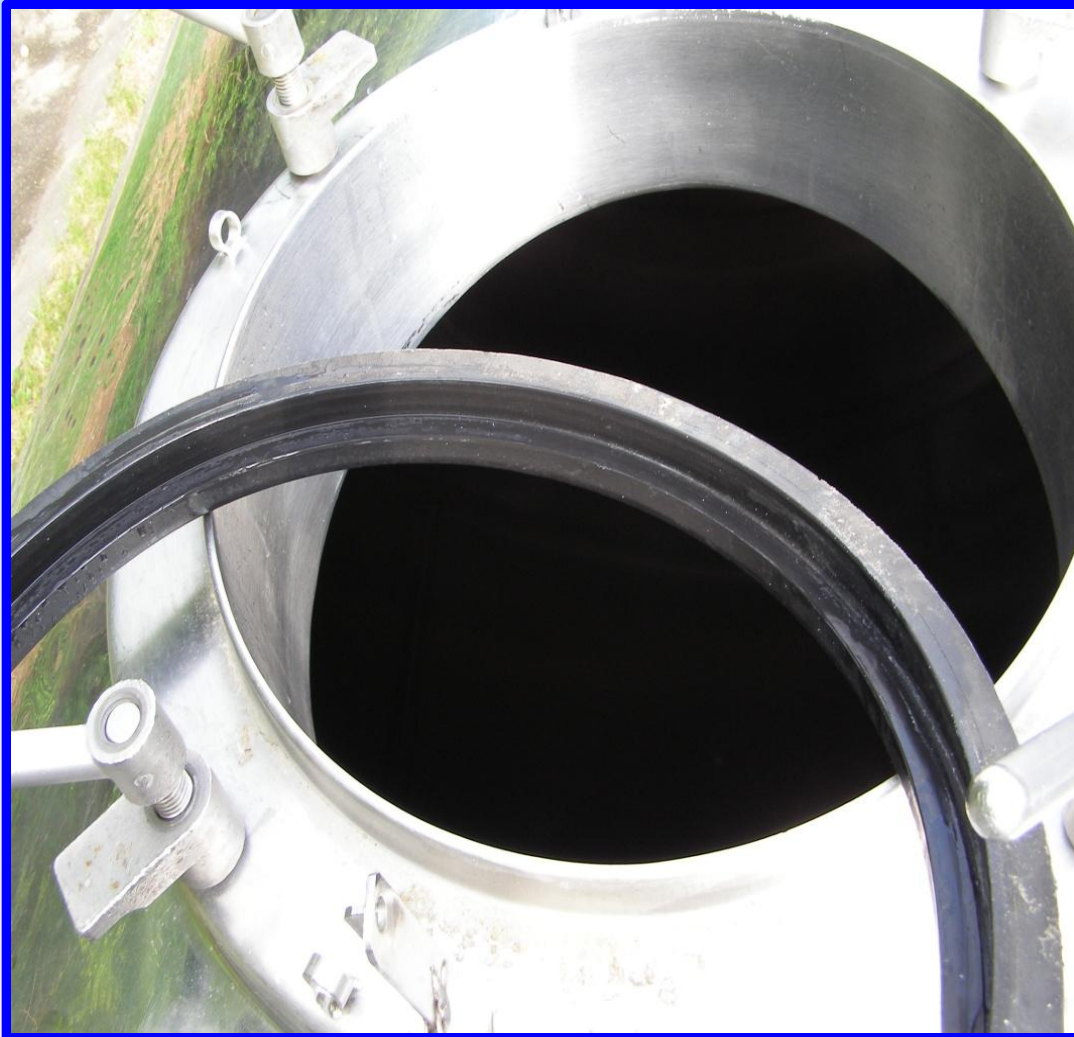
EMPLOYEE'S NAME

AC

The dreaded man-way -- a view of clean vent and parts



Dome gasket



- Good condition
- Clean













Replace Broken Vents

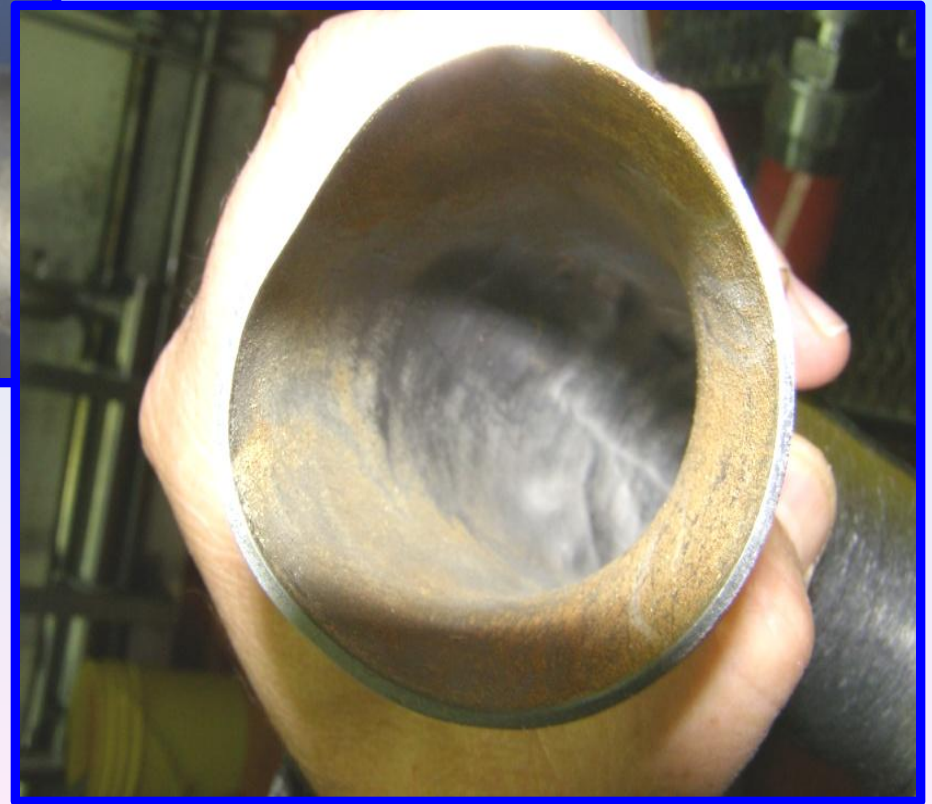


 **& DANGER**
NO STEP

WEST
HERSCHEY
2014.11.18



Milk hoses and fittings

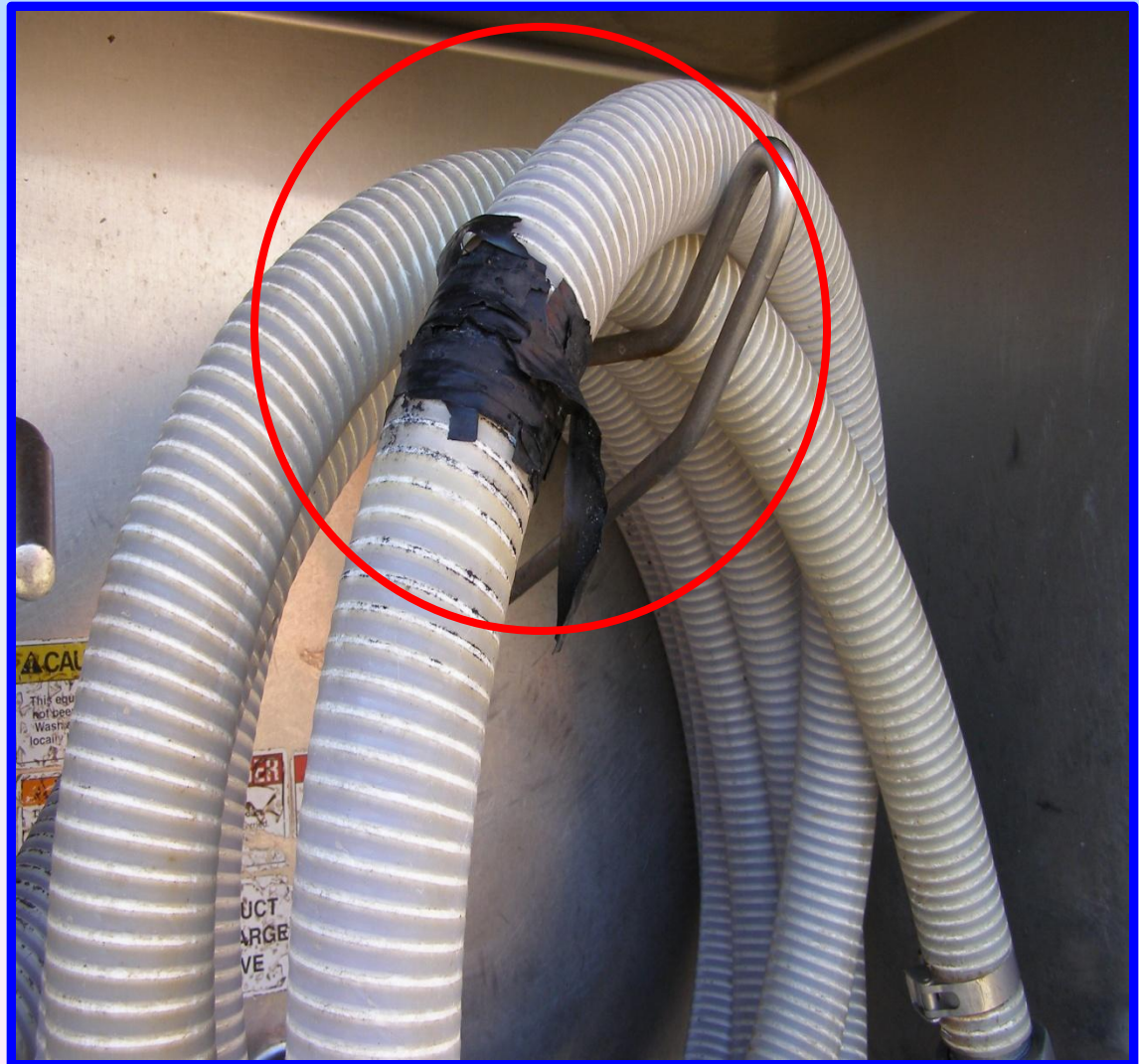


Good Condition? / Clean ??



Milk Hoses

- **No Duct Tape!**
- **Replace worn or damaged hoses**





Compartments

- Clean
- No old product buildup



Fill Tubes

- **Inspect Fill Tubes for Cleanliness**



- Rinse cabinet and pump shaft with water and sanitize
- Pump Housing-
check for pitting and wear grooves
- Inspect pump
impeller for cracks or
damage fins, replace
impeller if damaged



Sanitary Lubricating Spray

- Approved for food grade use.
- 3-A or Sanitary rating



Thank You !



How to wash a cat

1. Put both lids of the toilet up and add 1/8 cup of pet shampoo to the water in the bowl...
2. Pick up the cat and soothe him while you carry him towards the bathroom.
3. In one smooth movement put the cat in the toilet and close the lid. You may need to stand on the lid.
4. At this point the cat will self agitate and make ample suds. Never mind the noises that come from the toilet, the cat is actually enjoying this!
5. Flush the toilet three or four times. This provides a 'Power-Wash' and 'Rinse'.
6. Have someone open the front door of your home. Be sure that there are no people between the bathroom and the front door.
7. Stand well back, behind the toilet as far as you can, and quickly lift the lid.
8. The cat will rocket out of the toilet, streak through the bathroom, and run outside where he will dry himself off.
9. Both the toilet and the cat will be sparkling clean.

Yours Sincerely,

The Dog