OMB NO.: 0581-0309 (See reverse)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
FEDERAL GRAIN INSPECTION SERVICE

SAMPLER CONDITION REPORT

NAME OF ELEVATOR, CITY, AND STATE	DATE EXAMINED	FIELD OFFICE
	NAME OF OFFICIAL AGENCY	

***INSTRUCTIONS TO EXAMINER:** For a six month examination fill out the front of this form. For a complete grain test, including initial sampler test, fill out both sides of this form and send the original to the FGIS Field Office. Explain "FAIL" items in detail. If the sampler is not being used, indicate that fact under "Remarks" and prepare a report before the sampler is put into use.

PRIMARY SAMPLER		**SECONDARY SAMPLERS**	
BRAND/MODEL	SERIAL NO.	BRAND/MODEL	SERIAL NO.
GRAIN FLOW RATE (Past Sampler)	SAMPLING INTERVAL (Cycle Time)	BRAND/MODEL	SERIAL NO.

SAMPLER CODE: ☐ D - Diverter ☐ P - Probe ☐ 0 - All Grains ☐ 1 - Small Grains ☐ 2 - Coarse Grains-not corn ☐ 3 - IN Inspections
☐ 4 - OUT Inspections ☐ 5 - Cargolots ☐ 6 - Bargelots ☐ 7 - Hopper Carlots ☐ 8 - Carlots ☐ 9 - Trucklots

SECTION 1 -- ALL SAMPLERS

ITEMS EXAMINED	PASS	FAIL
Lighting around sampler	☐	☐
Safe access to areas	☐	☐
Safe access to inside of devices	☐	☐
Lockouts (safety switches)	☐	☐
Cleanliness of area	☐	☐
Cleanliness of device	☐	☐
Lubrication (if required)	☐	☐
Panel board indicator lights	☐	☐
Air or hydraulic pressure	☐	☐
Delivery tube secure	☐	☐
Delivery tube air inlet secure	☐	☐
Collection box secure	☐	☐
Collection box screen clean	☐	☐
Sampler not modified or repaired	☐	☐
Seals/padlocks in place	☐	☐

SECTION 2 -- D/T SAMPLERS

ITEMS EXAMINED	PASS	FAIL
Pelican speed approx. 0.5 m/s	☐	☐
Pelican dust seals (interior)	☐	☐
Pelican go-no-go gauge	☐	☐
Pelican cuts entire grain stream	☐	☐
Condition of excess sample return leg or belt	☐	☐
	☐	☐

SECTION 3 -- TRUCK PROBES

ITEMS EXAMINED	PASS	FAIL
Tip not bent/damaged	☐	☐
Tip vacuum check with paper	☐	☐
Hydraulic oil level OK	☐	☐
Vacuum adjustments sealed	☐	☐
Sample size	☐	☐
Collection box seal	☐	☐
Delivery tube condition	☐	☐

Inspected By: (LI or ACG)

Vacuum pressure if known:

Reviewed By: (ACG)

OMB NO.: 0580-0013 According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0580-0013. The time required to co information collection is estimated to average 45 minutes per response, including the time for reviewing instructions, searching existing data sources, gatherin the data needed, and completing and reviewing the collection of information.

U.S. DEPARTMENT OF AGRICULTURE
Agricultural Marketing Service
FEDERAL GRAIN INSPECTION SERVICE

SAMPLER CONDITION REPORT

NAME OF ELEVATOR, CITY, AND STATE	DATE EXAMINED	FIELD OFFICE
1	2	3
	NAME OF OFFICIAL AGENCY 4	

***INSTRUCTIONS TO EXAMINER:** For a six month examination fill out the front of this form. For a complete grain test, including initial sa out both sides of this form and send the original to the FGIS Field Office. Explain "FAIL" items in detail. If the sampler is not being used, ir under "Remarks" and prepare a report before the sampler is put into use.

PRIMARY SAMPLER		SECONDARY SAMPLERS	
BRAND/MODEL 5	SERIAL NO 6	BRAND/MODEL 7	SERIAL NO
GRAIN FLOW RATE (Past Sampler) 9	SAMPLING INTERVAL (Cycle Time) 10	BRAND/MODEL	SERIAL NO

SAMPLER CODE:
11 ❑ D - Diverter ❑ P - Probe ❑ 0 - All Grains ❑ 1 - Small Grains ❑ 2 - Coarse
❑ 3 - IN Inspections ❑ 4 - OUT Inspections ❑ 5 - Cargolots ❑ 6 - Bargelots ❑ 7 - Hopper Carlots ❑ 8 - Carlots

SECTION 1 -- ALL SAMPLERS			SECTION 2 -- D/T SAMPLERS	
ITEMS EXAMINED	PASS	FAIL	ITEMS EXAMINED	PAS
Lighting around sampler	❑ 12	❑	Pelican speed approx. 0.5 m/s	❑
Safe access to areas	❑ 13	❑	Pelican dust seals (interior)	❑
Safe access to inside of devices	❑ 14	❑	Pelican go-no-go gauge	❑
Lockouts (safety switches)	❑ 15	❑	Pelican cuts entire grain stream	❑
Cleanliness of area	❑ 16	❑	Condition of excess sample return leg or belt	❑
Cleanliness of device	❑ 17	❑	Timer set correctly	❑
Lubrication (if required)	❑ 18	❑	**SECTION 3 -- TRUCK PROBES**	
Panel board indicator lights	❑ 19	❑	Tip not bent/damaged	❑
Air or hydraulic pressure	❑ 20	❑	Tip vacuum check with paper	❑
Delivery tube secure	❑ 21	❑	Hydraulic oil level OK	❑
Delivery tube air inlet secure	❑ 22	❑	Vacuum adjustments sealed	❑
Collection box secure	❑ 23	❑	Sample size	❑
Collection box screen clean	❑ 24	❑	Collection box seal	❑

Sampler not modified or repaired ❑ 25 ❑	Delivery tube condition ❑
Seals/padlocks in place ❑ 26 ❑	Vacuum pressure if known:
Inspected By: (LI or ACG) 41	Reviewed By: (ACG) 42

INSTRUCTIONS FOR COMPLETING FORM FGIS-936, "SAMPLER CONDITION REPORT," (FRONT)

1. Name of the elevator, city, and state.
2. Date examination was done.
3. Name of FGIS field office in charge of the circuit.
4. Name of the official agency that does original inspections at the facility.
5. Brand name and type of primary (diverter-type sampler) or probe-type sampler being examined and tested. Are the
approved by FGIS?
6. Serial number of primary diverter-type or probe-type sampler.
7. Brand name of secondary sampler.
8. Serial number of secondary sampler.
9. Calculate the maximum flow of spout or belt on which the sampler is installed.
10. Sampling Interval-Read from the timer.
11. Type of carriers or lots the system will sample.

Section 1 – All Samplers
12. Lighting should be approximately 30 footcandles (general task lighting).
13. Safe access includes approved stairs, fixed ladders, platforms, and railings.
14. Safe access to the inside of the housing or hood without endangering the examiner.
15. Lockout switches must be present and meet requirements.
16. Cleanliness of the area-overhead, floor, stairs.
17. Cleanliness/condition of primary-check for plugs, leaks, dust, sprouted grain, broken hasps/hinges, wiring.
18. Lubrication-Grease or oil leaks.
19. Panel lights-Use radio or phone (if needed) to ensure that the power and traverse lights work properly. Have any ch
in the wiring?
20. Air or hydraulic pressure-Is there enough? Record the gage pressure, if available.
21. Delivery tube must be secure from loss or introduction of material.
22. Delivery tube-Pneumatic systems must have a guard over the air supply inlet.
23. Collection box-If not continuously attended, must be secure at inlet and outlet.
24. Collection boxes that have a screen must be maintained in a clean condition.
25. Sampler not Modified-For this check, good installation records are essential.
26. Seals-Were the security seals on inspection doors found intact? Was the delivery tube found secure? Section 2 – D
27. Pelican speed must be uniform with no slow spots. Speed can be estimated.
28. Pelican dust seals-Must be present, not torn, and must seal-off the pelican, no air gap.
29. Pelican Go-no-go Gauge-Use it to ensure the opening is between 3/4 and 7/8 inch wide along its entire length. 3 Th
FGIS-936 is used for performing a test (grain test). Instructions for completing the reverse are contained in Chapter 5, T
30. Pelican cuts stream-If practical, observe a cut to see that the pelican is sampling the entire stream, and that it does
excess grain.
31. Condition of excess sample return-Check if it is leaking, infested, or backing up.
32. Timer-Does the timer setting match the documented setting (required). Use a stopwatch or read the timer; do not
or old records. Section 3 – Truck Probes
33. Probe tip must be in good condition.
34. For core-type probes, a small piece of paper is placed over the tip to check the air supply/vacuum balance. The pap
off or be sucked into the tip.
35. Check levels if possible.
36. After adjustment, air supply/vacuum balance should not be changed. If it is possible to seal them or record settings
assurance that they remain correctly adjusted.
37. Is the sample size adequate? Has it changed?
38. If the collection box has a gasket, is it in good condition with no air leaks.
39. Is the delivery tube in good condition,
40. If a gage reading is available, it can indicate leaks or misadjustment. Name of Inspector
41. Show the name of the inspector who completed the examination. If any item is unsatisfactory, the sampler is not a
not acceptable Form FGIS-936 as a record. Even if the facility brings the sampler into compliance immediately, complet
An ACG should review some forms for correctness when possible. Any questionable information or remarks must be ve
accurate.

IN TEST DATA

SAMPLING METHOD USED FOR STANDARD:

☐ PELICAN ☐ CUP ☐ OTHER _____

COMMODITY:

☐ SMALL GRAIN ☐ COARSE GRAIN ☐ OTHER _____

REMARKS:

Date	Sample No.	Type	DKG	BCFM	
	1	Test Unit			
		Standard			
Difference					
Tolerance					
Result - One test lot			☐ IN ☐ OUT	☐ IN ☐ OUT	☐ IN ☐ OUT

Date	Sample No.	Type	DKG	BCFM	
	2	Test Unit			
		Standard			
	3	Test Unit			
		Standard			
	4	Test Unit			
		Standard			
	5	Test Unit			
		Standard			
Test Unit MDS*					
Tolerance					
Result - Five test lots			☐ IN ☐ OUT	☐ IN ☐ OUT	☐ IN ☐ OUT

*Mean Deviation from Standard

for Mechanical Truck Probes only

Date	Sample No.	Type	DKG	BCFM	
	6	Test Unit			
		Standard			
		HP			
	7	Test Unit			
		Standard			
		HP			
	8	Test Unit			
		Standard			
		HP			
	9	Test Unit			
		Standard			
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	10	Test Unit			
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	11	Test Unit			
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	16	Test Unit			
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	17	Test Unit			
		Standard			
		HP			
	18	Test Unit			
		Standard			
		HP			
	19	Test Unit			
		Standard			
		HP			
	20	Test Unit			
		Standard			
		HP			
Test Unit MDS*					
Hand Probe MDS*					
Regression or T-test			☐ IN ☐ OUT	☐ IN ☐ OUT	☐ IN ☐ OUT

GRAIN TEST DATA

SAMPLING METHOD USED FOR STANDARD: 1

❑ PELICAN ❑ CUP ❑ OTHER_____

COMMODITY: 2

❑ SMALL GRAIN ❑ COARSE GRAIN ❑ OTHER_____

REMARKS: 3

Date	Sample No.	Type	DKG	BCFM	
4	1	Test Unit		5	
		Standard			
Difference 6					
Tolerance 7					
Result - One test lot 8			❑ IN ❑ OUT	❑ IN ❑ OUT	❑ IN ❑ OUT

Date	Sample No.	Type	9 DKG	BCFM	
	2	Test Unit			
		Standard			
	3	Test Unit			
		Standard			
	4	Test Unit			
		Standard			
	5	Test Unit			
		Standard			
Test Unit MDS*					
Tolerance					
Result - Five test lots					
*Mean Deviation from Standard					

for Mechanical Truck Probes only 10

Date	Sample No.	Type	DKG	BCFM	
	6	Test Unit			
		Standard			
		HP			
	7	Test Unit			
		Standard			
		HP			
	8	Test Unit			
		Standard			
		HP			
	9	Test Unit			
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	10	Test Unit			
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	16	Test Unit			
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	17	Test Unit			
		Standard			
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	18	Test Unit			
		Standard			
		HP			
	19	Test Unit			
		Standard			
		HP			
	20	Test Unit			
		Standard			
		HP			
Test Unit MDS*					
Hand Probe MDS*					
Regression or T-test 11			❑ IN ❑ OUT	❑ IN ❑ OUT	❑ IN ❑ OUT

INSTRUCTIONS FOR COMPLETING FORM FGIS-936, "SAMPLER CONDITION REPORT," (REVERSE)

Use the reverse of Form FGIS-936 for testing (grain test). Always precede a test with an examination, documented on the front of the form. If the examination and the test are not recorded on the same sheet, properly identify the test by filling in the Name of Elevator, etc., Items 1 through 11, 41 and 42 on the front as described in Chapter 4, Examinations.

1. Method of sampling-What was the standard? If a special location or procedure was used, explain in remarks.

2. Specify grain.

3. Remarks-Summary of important observations on the sampling system and testing information. Was the test run at normal load-out speed, air pressure, belt depth, etc.? Was dust collection turned on? Shipping bins checked?

4. Enter date sampled.

5. One factor is required, but additional factors may be tested. If necessary, the field office manager shall decide the appropriate factors. Test weight is not to be used as the only factor. Report percentages to 2 decimal places.

6. Mathematical average of the mechanical sampler results, average of the standard results, average of other results. Round percentages to 2 places.

7. Tolerance or allowable deviation = 0.10 x (standard average).

8. Mark the appropriate box for each factor tested. If more than one factor was tested, each of them must be within tolerance for a pass. A factor is considered within tolerance when the mean deviation from the standard is less than or equal to the allowable deviation for the applicable factor(s).

9. If 5 test lots are to be evaluated, continue entering sample data.

10. If testing a mechanical truck probe, continue entering sample data for 20 test lots.

11. Truck probe performance is evaluated against a standard and a hand probe, using either a regression or a T-test. Technical Service Division provides support for the analysis.