U.S. Department of Agriculture
AGRICULTURAL MARKETING SERVICE
FEDERAL GRAIN INSPECTION SERVICE

QUESTIONNAIRE FOR PROPOSED DIVERTER-TYPE MECHANICAL SAMPLER

FORM APPROVED OMB NO. 0580-0013

Facility Name, City, State

Field Office

Kind of Elevator

Capacity

Authorization - Select All that Apply

☐ Diverter ☐ Non-diverter ☐ Probe ☐ All Grains ☐ Small Grains ☐ Coarse Grains - Not Corn

☐ In ☐ Out ☐ Cargo ☐ Barges ☐ Hopper Cars ☐ Carlots ☐ Trucks

D/T Make and Model	S/N	☐ Spout ☐ Belt	Spout / Belt Size
General Location	Spout / Belt Name	Spout / Belt Angle	Belt Speed
Power: ☐ Air ☐ Electric	Body Dimensions	Pelican Stroke	Pelican Opening L x W
Grain Drop Before Sampler (ft)	Grain Drop After Sampler (ft)	Access Safe ☐ Yes ☐ No	Inspection Door OK? ☐ Yes ☐ No
Verified No Auxilliary Controls ☐ Yes ☐ No	Location of Lockout OK? ☐ Yes ☐ No	Lights OK for Exams? ☐ Yes ☐ No	
Is Pelican Movement Steady? ☐ Yes ☐ No	Does Pressure Return Promptly? ☐ Yes ☐ No	Air Pressure at Rest PSI	
Timer Make and Model	Grain Flow Rate Past Sampler	Calculated Timer Setting seconds	
Secondary Make and Model	S/N	Delivery System ☐ Gravity ☐ Pneumatic	Grams per Sample
Total No. of Samples	Quantity Adjustment Sealed? ☐ Yes ☐ No	Delivery & Collection Box Secure? ☐ Yes ☐ No	Excess Returned to Lot? ☐ Yes ☐ No

Dust Control Locations

Weights:
☐ GIPSA Class X ☐ GIPSA Class Y ☐ Certified Other

Number of Shipping Bins:	Depth (ft)	Graded ☐ Before or ☐ After Release	Procedures to Stop Breakage:

Carrier I.D. by:
☐ Radio ☐ Visual Other

Remarks/special restrictions when used to sample officially:

Signature of Official Personnel:	Date:

FORM FGIS-998 (01/18) Previous editions are obsolete. Expires January 2021

CLEAR FORM PRINT

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QUESTIONNAIRE FOR PROPOSED DIVERTER-TYPE MECHANICAL SAMPLER

FORM APPROVED OMB NO. 0580-0013

Facility Name, City, State 1

Field Office 2

Kind of Elevator 3

Capacity 4

Authorization - Select All that Apply

☒ Diverter ☐ Non-diverter ☐ Probe 5 ☐ All Grains ☐ Small Grains ☐ Coarse Grains - Not Corn

☐ In ☐ Out ☐ Cargo ☐ Barges ☐ Hopper Cars ☐ Carlots ☐ Trucks

D/T Make and Model 6	S/N 7	☐ Spout ☐ Belt 8	Spout / Belt Size 9
General Location 10	Spout / Belt Name 11	Spout / Belt Angle 12	Belt Speed 13
Power: ☐ Air 14 ☐ Electric	Body Dimensions 15	Pelican Stroke 16	Pelican Opening L x W 17
Grain Drop Before Sampler (ft) 18	Grain Drop After Sampler (ft) 19	Access Safe ☐ Yes 20 ☐ No	Inspection Door OK? 21 ☐ Yes ☐ No
Verified No Auxilliary Controls 22 ☐ Yes ☐ No	Location of Lockout OK? 23 ☐ Yes ☐ No	Lights OK for Exams? 24 ☐ Yes ☐ No	
Is Pelican Movement Steady? 25 ☐ Yes ☐ No	Does Pressure Return Promptly? 26 ☐ Yes ☐ No	Air Pressure at Rest PSI 27	
Timer Make and Model 28	Grain Flow Rate Past Sampler 29	Calculated Timer Setting 30 seconds	
Secondary Make and Model 31	S/N 32	Delivery System Gravity 33 Pneumatic	Grams per Sample 34
Total No. of Samples 35	Quantity Adjustment Sealed? 36 ☐ Yes ☐ No	Delivery & Collection Box Secure? 37 ☐ Yes ☐ No	Excess Returned to Lot? 38 ☐ Yes ☐ No
Dust Control Locations 39			
Weights: ☐ GIPSA Class X ☐ GIPSA Class Y ☐ Certified Other 40			
Number of Shipping Bins: 41	Depth (ft) 42	Graded 43 ☐ Before or ☐ After Release	Procedures to Stop Breakage: 44
Carrier I.D. by: 45 ☐ Radio ☐ Visual Other			

Remarks/special restrictions when used to sample officially: 46

Signature of Official Personnel: 47

Date: 48

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Instructions for Completing Questopmmaire

1. Facility name, city, and state.
2. Name of FGIS field office.
3. Check the box indicating kind of elevator.
4. Storage capacity of elevator.
5. Authorization Code-circle the numbers that apply to the intended sampler use.
6. Sampler Make & Model; e.g., Gamet 6800S.
7. Sampler Serial Number.
8. Is the sampler in a spout or on a belt end? For spout samplers-diameter or length x width cross sectional measurements or;
9. Belt Size-width and depth of grain carried.
10. General location of sampler; e.g., Headhouse 6th Floor; or Gallery.
11. Spout/belt name; e.g., Scale #1 lower garner.
12. Spout angle-90_ is vertical. Belt Angle-0_ is horizontal. Show normal angle and max/min limits of travel, if angle can be varied.
13. Belt speed-measure with belt loaded.
14. Check the box showing type of power.
15. Body dimensions for the sampler.
16. Pelican stroke is the distance traveled from one side to the other.
17. Length and width of the pelican opening.
18. Distance in feet from release point.
19. Distance grain falls is used to estimate impact and breakage. For example, measure from sampler to bin bottom.
20. Is access to the sampler by approved ladder or stairs, and does the platform have an approved railing?
21. Are the inspection doors properly located on the sampler? Do they have appropriate seal hasps and hinges?
22. Check verified after you determine that the system controls have no bypasses, dump counters, timer interrupts, or programmable controllers.
23. Location of lockout ok-does the lockout provided meet FGIS requirements?
24. Light for examinations-can all exterior examination checks be made with lighting supplied?
25. For pneumatic/hydraulic samplers-is pressure sufficient to move the pelican across the stream of grain evenly, without lagging or slowing down.
26. For pneumatic/hydraulic samplers-pressure returns to maximum before next cut is initiated.
27. For pneumatic samplers-gauge pressure at rest. Maximum reached when no cuts are initiated.
28. Timer Make & Model; e.g., Eagle HP5 Model 9.
29. Flow past sampler should be figured out by timing a known amount, such as one scale draft, as it passes the sampler.
30. Calculate the timer setting in seconds based on grain flow rate past sampler. Also show whether this is based on a 200, 350, or 500 bushel sampling rate.
31. Secondary Sampler (divider) Make & Model; e.g., InterSystems MD300.
32. Secondary Sampler Serial Number.
33. Check box indicating type of sample delivery system.
34. Weight in grams received for the official sample.
35. Total number of samples needed for all interested parties.
36. Are the quantity adjustment features on secondary sampler fixed or sealed in place?
37. Is the sample delivery system secure from the air inlet to the collection box?
38. Is excess grain automatically returned from the secondary to the lot from which the sample was taken?
39. Location of dust collection ducts-are they located where they can affect the sample constituents? The measurements will serve as a record of approved duct work.
40. Weights-are weights official; i.e., supervised under the USGSA as Class X or Y-are weights Certified; i.e., supervised unofficially by a local organization-or are weights unofficial and not supervised, or not provided?
41. Shipping bins-number used.
42. Shipping bin depth(s).
43. Grading-will bin be held for grade or factor results before being released?
44. Procedures to stop breakage-will the bins require use of cushion level indicators, grain ladders, or baffles to reduce impact of grain and resulting breakage?
45. Carrier identification or stowage locations.
46. Special restrictions-any special procedural restrictions; e.g., weighback belt must be sealed, turnhead must be locked in position, cushion must be maintained in shipping bin, etc.
47. Name or signature of the official personnel who filled out the questionnaire.
48. Date information obtained.