

U.S. Department of Agriculture Grain Inspection, Packers and Stockyards Administration QUESTIONNAIRE FOR PROPOSED DIVERTER-TYPE MECHANICAL SAMPLER		OMB APPROVED NO. 0580-0013	
Facility Name, City, State		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 collection of 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 complete this information collection is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.	
Field Office			
Kind of Elevator <input type="checkbox"/> Country <input type="checkbox"/> Terminal <input type="checkbox"/> Export			
Authorization Code - Circle Appropriate Numbers			
D Diverter N Non-diverter P Probe 0 All Grains 1 Small Grains 2 Coarse Grains - Not Corn 3 In 4 Out 5 Cargo 6 Barges 7 Hopper Cars 8 Carlots 9 Trucks			
D/T Make and Model	S/N	<input type="checkbox"/> Spout <input type="checkbox"/> Belt	Spout / Belt Size
General Location	Spout / Belt Name	Spout / Belt Angle	Belt Speed
Power: <input type="checkbox"/> Air <input type="checkbox"/> Electric	Body Dimensions	Pelican Stroke	Pelican Opening L x W
Grain Drop Before Sampler (ft)	Grain Drop After Sampler (ft)	Access Safe <input type="checkbox"/> Yes <input type="checkbox"/> No	Inspection Door OK? <input type="checkbox"/> Yes <input type="checkbox"/> No
Verified No Auxilliary Controls <input type="checkbox"/> Yes <input type="checkbox"/> No	Location of Lockout OK? <input type="checkbox"/> Yes <input type="checkbox"/> No	Lights OK for Exams? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Is Pelican Movement Steady? <input type="checkbox"/> Yes <input type="checkbox"/> No	Does Pressure Return Promptly? <input type="checkbox"/> Yes <input type="checkbox"/> No	Air Pressure at Rest PSI	
Timer Make and Model	Grain Flow Rate Past Sampler	Calculated Timer Setting (s)	
Secondary Make and Model	S/N	Delivery System <input type="checkbox"/> Gravity <input type="checkbox"/> Pneumatic	Grams per Sample
Total No. of Samples	Quantity Adjustment Sealed? <input type="checkbox"/> Yes <input type="checkbox"/> No	Delivery and Collection Box Secure? <input type="checkbox"/> Yes <input type="checkbox"/> No	Excess Returned to Lot? <input type="checkbox"/> Yes <input type="checkbox"/> No
Dust Control Locations			
Weights: <input type="checkbox"/> GIPSA Class X <input type="checkbox"/> GIPSA Class Y <input type="checkbox"/> Certified <input type="checkbox"/> Other _____			
Number of Shipping Bins:	Depth (ft)	Graded <input type="checkbox"/> Before or <input type="checkbox"/> After Release?	Procedures to Stop Breakage:
Carrier I.D. by:	<input type="checkbox"/> Radio	<input type="checkbox"/> Visual	<input type="checkbox"/> Other _____
Remarks/special restrictions when used to sample officially:			
Signature of Official Personnel:			Date:

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Facility Name, City, State		1	
Field Office		2	
Kind of Elevator <input type="checkbox"/> Country <input type="checkbox"/> Terminal <input type="checkbox"/> Export		3	
		Capacity	
		4	
Authorization Code - Circle Appropriate Numbers			
D. Diverter N. Non-diverter P. Probe 0. All Grains 1. Small Grains 2. Coarse Grains - Not Corn 3. In 4. Out 5. Cargo 6. Barges 7. Hopper Cars 8. Carlots 9. Trucks			
D/T Make and Model		6	
Sill		7	
		<input type="checkbox"/> Spout <input type="checkbox"/> Belt	
		Spout / Belt Size	
		8	
		9	
General Location		10	
Spout / Belt Name		11	
Spout / Belt Angle		12	
Belt Speed		13	
Power: <input type="checkbox"/> Air <input type="checkbox"/> Electric		14	
Body Dimensions		15	
Pelican Stroke		16	
Pelican Opening L x W		17	
Grain Drop Before Sampler		18 (ft)	
Grain Drop After Sampler		19 (ft)	
Access Safe		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Inspection Door OK?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
20		21	
Verified No Auxiliary Controls <input type="checkbox"/> Yes <input type="checkbox"/> No		22	
Location of Lockout OK? <input type="checkbox"/> Yes <input type="checkbox"/> No		23	
Lights OK for Exams? <input type="checkbox"/> Yes <input type="checkbox"/> No		24	
Is Pelican Movement Steady? <input type="checkbox"/> Yes <input type="checkbox"/> No		25	
Does Pressure Return Promptly? <input type="checkbox"/> Yes <input type="checkbox"/> No		26	
Air Pressure at Rest PSI		27	
Timer Make and Model		28	
Grain Flow Rate Past Sampler		29	
Calculated Timer Setting		30 (s)	
Secondary Make and Model		31	
Sill		32	
Delivery System <input type="checkbox"/> Gravity <input type="checkbox"/> Pneumatic		33	
Grams per Sample		34	
Total No. of Samples		35	
Quantity Adjustment Sealed? <input type="checkbox"/> Yes <input type="checkbox"/> No		36	
Delivery and Collection Box Secure <input type="checkbox"/> Yes <input type="checkbox"/> No		37	
Excess Returned to Lot? <input type="checkbox"/> Yes <input type="checkbox"/> No		38	
Dust Control Locations			
39			
Weights: <input type="checkbox"/> GIPSA Class X <input type="checkbox"/> GIPSA Class Y <input type="checkbox"/> Certified <input type="checkbox"/> Other _____			
Number of Shipping Bins:		40	
Depth		41 (ft)	
Graded <input type="checkbox"/> Before or <input type="checkbox"/> After Release?		42	
Procedures to Stop Breakage:		43	
44		45	
Carrier I.D. by: <input type="checkbox"/> Radio <input type="checkbox"/> Visual <input type="checkbox"/> Other _____			
Remarks/special restrictions when used to sample officially:			
46			
Signature of Official Personnel:			Date:
47			48
FORM FGIS-998 (11/94) Previous Editions Obsolete			

Figure 5. FORM FGIS 998, "QUESTIONNAIRE FOR PROPOSED DIVERTER-TYPE MECHANICAL SAMPLER"

DIRECTIONS FOR COMPLETING QUESTIONNAIRE

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.