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| U.S. Department of Agriculture<br>AGRICULTURAL MARKETING SERVICE<br>FEDERAL GRAIN INSPECTION SERVICE<br><b>QUESTIONNAIRE FOR PROPOSED<br/>         DIVERTER-TYPE MECHANICAL SAMPLER</b> |  | FORM APPROVED OMB NO. 0581-0309<br><br>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 0581-0309. 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. |   |
| Facility Name, City, State  |  |   |   |
| Field Office  |  |   |   |
| Kind of Elevator  |  | Capacity  |   |
| Authorization - Select All that Apply   |  |   |   |
| Diverter<br>In  | Non-diverter<br>Out                        | Probe<br>Cargo  | All Grains<br>Barges                          |
|   |  | Small Grains<br>Hopper Cars   | Coarse Grains - Not Corn<br>Carlots<br>Trucks |
| D/T Make and Model  | S/N  | Spout   | Belt  |
|   |  | Spout / Belt Size   |   |
| General Location  |  | Spout / Belt Name   |   |
|   |  | Spout / Belt Angle  |   |
| Belt Speed  |  |   |   |
| Power:<br>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<br>Yes      No  |  | Location of Lockout OK?<br>Yes      No  |   |
|   |  | Lights OK for Exams?<br>Yes      No   |   |
| Is Pelican Movement Steady?<br>Yes      No  |  | Does Pressure Return Promptly?<br>Yes      No   |   |
|   |  | Air Pressure at Rest PSI  |   |
| Timer Make and Model  |  | Grain Flow Rate Past Sampler  |   |
|   |  | Calculated Timer Setting<br>seconds   |   |
| Secondary Make and Model  |  | S/N   |   |
|   |  | Delivery System<br>Gravity      Pneumatic   |   |
| Grams per Sample  |  |   |   |
| Total No. of Samples  | Quantity Adjustment Sealed?<br>Yes      No | Delivery & Collection Box Secure?<br>Yes      No  |   |
|   |  | Excess Returned to Lot?<br>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 (01/21) Previous editions are obsolete. Expires XX-XX   |  |   |   |

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