



## Optional Best Management Practice (BMP) Questions

December 10, 2018

Best Management Practices are optional conscious methods, activities, prohibitions of practices, maintenance procedures and managerial practices, that when used singly or in combination, may help prevent or reduce potential safety hazards or the release of pollutants to unintended areas. Typically a combination of measures will always be needed to be effective.

ResponsibleAg provides these Best Management Practices at the request of its members and with the understanding all BMP questions:

- Are strictly optional.
- Are clearly identified as a BMP on the checklist.
- Do not affect scoring or certification.
- Appear on the Corrective Action Plan, if answered.

### List of BMP Questions:

1. Inspection, Anhydrous Ammonia Mobile Tank (A-1310)

Question: Ensured an annual visual inspection of each mobile tank in use for anhydrous ammonia service has been performed and documented?

Cite: BMP

Days: 90

Guidance:

Best Management Practices are conscious methods, activities, prohibitions of practices, maintenance procedures and managerial practices, that when used singly or in combination, prevent or reduce potential safety hazards or the release of pollutants to unintended areas. Typically a combination of measures will always be needed to be effective. Tank owners and operators should utilize industry-specific guidance. Mobile tanks include nurse tanks, applicator tanks and field trucks with mounted nurse tanks.

2. Inspection, Anhydrous Ammonia Storage Tank (A-1320)

Question: Ensured an annual visual inspection of each storage tank in use for anhydrous ammonia service has been performed and documented?

Cite: BMP

Days: 90

Guidance:

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3. Inspection, Annual Large Tank (A-1330)

Question: Ensured an annual inspection (visual inspection) of each tank in use that is 100,000 gallon capacity or larger has been performed and documented?

Cite: BMP

Days: 365

Guidance:

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4. Inspection, Annual Tank < 100,000 Gallons (A-1340)

Question: Ensured an annual inspection (visual inspection) of each tank in use that is less than 100,000 gallon capacity has been performed and documented?

Cite: BMP

Days: 90

Guidance:

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5. Inspection, Baseline Large Tank (A-1350)

Question: Ensured a baseline inspection (complete API 653 internal and external to establish the condition/suitability for continued use) has been performed by an API qualified inspector and documented within the last ten years?

Cite: BMP Days: 365

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6. Inspection, Electrical (A-1360)

Question: Ensured a comprehensive electrical audit to identify potential safety and fire hazards has been completed within the last 10 years by a licensed electrician?

Cite: BMP Days: 90

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7. Inspection, LP-Gas (A-1370)

Question: Ensured an annual visual inspection of each storage tank in use for LP-Gas service has been performed and documented?

Cite: BMP Days: 90

Guidance:

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8. Trade Association Membership (A-1380)

Question: Actively participated as a member of one or more State and National trade associations?

Cite: BMP

Days: 90

Guidance:

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9. Condition, Bare Spots (C-340)

Question: Ensured there is no visual evidence vegetation is obviously dead or missing from areas on-site?

Cite: BMP

Days: 90

Guidance:

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10. Condition, Open Burning (C-350)

Question: Ensured there is no visual evidence of any open burning on-site?

Cite: BMP

Days: 90

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11. Condition, Stained Soil or Rock (C-360)

Question: Ensured there is no visual evidence of any stained concrete, rock or soil on-site?

Cite: BMP

Days: 90

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12. Condition, Stressed Vegetation (C-370)

Question: Ensured there is no visual evidence of any stressed vegetation on-site?

Cite: BMP Days: 90

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13. Open Drains (C-380)

Question: Ensured all open drains with potential to discharge materials directly to the environment have been removed from use and properly sealed?

Cite: BMP Days: 90

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14. Sign, Security (C-390)

Question: Posted a security sign at all entrances limiting access to the property to authorized persons?

Cite: BMP Days: 90

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15. Dust Socks & Weather Covers (D-400)

Question: Ensured dust socks, weather covers or other effective mechanical improvements have been installed to prevent spillage or unintended loss of dry fertilizer materials to uncontained areas?

Cite: BMP Days: 90

Guidance:

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16. Material Handling & Transfer (D-410, E-210, N-240, O-320 and P-390)

Question: Implemented Best Management Practices to prevent spillage or unintended loss of farm input supplies to uncontained areas?

Cite: BMP

Days: 90

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17. NFPA 704 HazMat Marking System (D-420, H-440, N-250, and O-330)

Question: Labeled each building and stationary storage tank with the appropriate NFPA decal and designations?

Cite: NFPA 704, 4.1

Days: 90

Guidance:

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18. Fertilizer Rinsate (E-200)

Question: Ensured all rinsate-containing fertilizer residue is disposed of by land application or used as makeup water?

Cite: BMP

Days: 90

Guidance:

Rinsate means the liquid produced from the rinsing of any equipment or containment structure that has come in direct contact with any fertilizer. Containers of rinsate must be labeled appropriately and stored in a containment area. No person should dispose of or store (or receive for disposal or storage) any fertilizer or dispose of or store any fertilizer residue in a manner inconsistent with accepted agronomic practices.

19. Piping & Hose Routing (E-220, M-270 and P-400)

Question: Ensured no piping or hose used for liquid ag inputs is allowed to be routed over, through or outside of containment walls?

Cite: BMP

Days: 90

Guidance:

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20. Pump & Meter Location (E-230, M-280 and P-410)

Question: Ensured no portion of a pump or meter unit used for ag inputs is allowed to be positioned over or outside of containment walls?

Cite: BMP

Days: 90

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21. Sight Gauges (E-240)

Question: Ensured all sight gauges used on bulk liquid fertilizer tanks have been equipped with locking or self-closing devices and are secured to the tank at intervals of 8 feet or less?

Cite: BMP

Days: 90

Guidance:

Best Management Practices are conscious methods, activities, prohibitions of practices, maintenance procedures and managerial practices, that when used singly or in combination, prevent or reduce potential safety hazards or the release of pollutants to unintended areas. Typically a combination of measures will always be needed to be effective. Sight gauge valves should be of the locking or self-closing type and be secured to the tank shell at 8 feet intervals and clamped to the sight gauge valve and tank fittings.

22. Spill Trays (E-250, H-460, M-290 and P-420)

Question: Provided portable spill trays for use containing dripped materials from each transfer point and beneath valves and connections?

Cite: BMP

Days: 90

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23. Storage Tank Location (E-260 and P-430)

Question: Ensured no portion of a bulk storage tank used for liquid is allowed to be positioned over or outside of containment walls?

Cite: BMP

Days: 90

Guidance:

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24. Storm Water Collection & Testing (E-270 and P-440)

Question: Ensured storm water that has accumulated within a containment area has been tested before being pumped out, unless personnel have reliable knowledge it is free of contaminants?

Cite: BMP

Days: 90

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Best Management Practices are conscious methods, activities, prohibitions of practices, maintenance procedures and managerial practices, that when used singly or in combination, prevent or reduce potential safety hazards or the release of pollutants to unintended areas. Typically a combination of measures will always be needed to be effective. Prior to transferring, it is recommended management personnel implement measures to ensure the proper testing, handling and disposition of all collected storm water.

25. Venting of Bleeder Valves (F-410)

Question: Provided a "bleeder tank" and ensured its use each time when bleeding pressure off hoses prior to being disconnected?

Cite: BMP

Days: 90

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Best Management Practices are conscious methods, activities, prohibitions of practices, maintenance procedures and managerial practices, that when used singly or in combination, prevent or reduce potential safety hazards or the release of pollutants to unintended areas. Typically a combination of measures will always be needed to be effective. Anhydrous ammonia from the bleeding of pressure prior to disconnecting the hoses shall be discharged to a properly vented "bubble" or "bleeder" tank containing water to absorb it and NEVER released uncontrolled to the atmosphere. The tank should be installed at the transport transfer valves and labeled accordingly. Ammonia-laden water should be changed as needed in accordance with Best Management Practices.



26. Sandblasting & Painting (H-450)  
Question: Ensured all sandblasting and painting activities observed requirements regarding the generation, storage and disposal of hazardous waste?

Cite: BMP Days: 90

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27. Damaged, Leaking or Obsolete Materials (L-130)  
Question: Ensured product that is damaged, leaking or obsolete has been identified promptly, segregated, contained and placed in overpack containers to await use or disposal?

Cite: BMP Days: 90

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28. Solid Waste or Trash (L-140)  
Question: Ensured all employees have been instructed on the importance of recycling if possible and preventing inappropriate waste materials from being discarded in the dumpster?

Cite: BMP Days: 90

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**Note:** ResponsibleAg has made considerable effort to ensure the information contained herein is accurate. Users of these best management practices are strongly recommended to confirm that the information contained within, is correct by way of independent sources and appropriate for their use. ResponsibleAg, including its officers, directors, employees and agents, accepts no responsibility for any inaccuracies, does not make any warranty or representation, either express or implied, regarding their accuracy, completeness, or utility, nor does ResponsibleAg, including its officers, directors, employees and agents assume any liability of any kind whatsoever resulting from the use or reliance upon, any information, material, or procedure contained herein, including but not limited to any claims for damages, loss or injury regarding health, safety, or environmental effects. **Revised: October 1, 2018**