ANIMAL FARM
MANURE TANK T-09
Reg. # 031-00000035
Spill Prevention Response Plan

Farm Manure Tank (T-09)
Tank Registration Number 031-00000035

Site Activities

Water run-off from the farm feeding operations is diverted to an aboveground storage tank. The run-off consists mainly of water with a small amount of animal waste suspended in the water. The water/animal waste mixture is allowed to collect in the tank until spring when it is utilized as a fertilizer on the farm fields.

Applicable Hazards and Process Information

The Farm Manure Tank stores a mixture of water and animal waste.

Water CAS # 7732-18-5

The Farm Manure Tank stores a maximum volume of 500,000 gallons of water and animal waste.

The aboveground tank is not utilized for the storage of waste. However, the tank does contain mostly water with a little animal waste. This is utilized as a fertilizer on the farm fields.

(Material) Safety Data Sheets

(Material) Safety Data Sheets for each material are attached to this plan. Attachment A is the (M)SDS for Water. According to the (M)SDS for water, the health rating is (0).

Site Map of Aboveground Storage Tank Facility

Attachment B indicates all pertinent information regarding the aboveground storage tank location.
Preventative Maintenance Program

This tank does not have a leak detection system. However, the employees that work at the tank conduct a visual inspection prior to adding liquids to the tank. All employees are required to visually inspect the tank prior to the removal of fluids from the tank.

Tank Inspection

The tank will be inspected on a quarterly basis utilizing the inspection checklist found in Attachment C. Further, all tanks will be inspected, using the checklist found in Attachment D, on an annual basis with respect to the minimum standards set forth in Appendix B of 47 CSR 62.

AST System Stress Points

One stress point for this tank can be found at the pipe, flange and gasket leading to the tank on the upper side.

Employee Training Program

Tank operators are trained with respect to proper operation of the tank, as well as, the equipment associated with the filling and removal of liquid. Also, operators are trained with respect to visual cues for the early detection of leaks around valves, flanges, gaskets or hoses to and from the tank. Also, the operator is instructed when and who to contact if there are any concerns regarding the integrity of the tank.

Corrosion Protection and Monitoring

This tank is a formed concrete tank and does not require corrosion protection.

Security System

Tank valves are placed in the closed position after dispensing operations are complete. The tank valve handle is removed and stowed in a secure location to prevent unauthorized discharge or dispensing when the tank is not in use.

Spill Prevention Measures

During the filling process tank volumes can be visually gauged since the tank is an open top tank. Diversion of fluids to the tank are prohibited if there is not sufficient free-board around the tank.
Emergency Response Information

John Hando, Emergency Response Coordinator, Environmental Health and Safety
Brian Lemme, Environmental Health and Safety Specialist, Stormwater Specialist

Chain of Command

John Yost, Farm Manager
Brian Lemme, Environmental Health and Safety Specialist, Environmental Health and Safety
John Hando, Emergency Response Coordinator, Environmental Health and Safety

Contact Information

Brian Lemme
975 Rawley Lane
Morgantown, WV 26506
Office (304) 293-8742
Cell (304) 692-4005

John Hando
975 Rawley Lane
Morgantown, WV 26506
Office (304) 293-5799
Cell (304) 680-2165

Response Contractors

Miller Environmental
7 Pixler Hill Road
Morgantown, WV 26508
Office (304) 292-8655
Cell (304) 692-5300

Ryan Environmental, LLC
5793 West Veterans Memorial Highway,
Suite 101
Bridgeport, WV 26330
Office (304) 842-5578
Response Actions

Stop the leak if possible.

If the leak cannot be stopped all remaining liquid in the tank will be land applied.

Contacts in Event of Release

<table>
<thead>
<tr>
<th>Contact</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of Chester, Water Department</td>
<td>(304) 387-0114</td>
</tr>
<tr>
<td>Hancock County Emergency Management</td>
<td>(304) 564-4040</td>
</tr>
<tr>
<td>City of Chester, Police Department</td>
<td>(304) 387-2820</td>
</tr>
<tr>
<td>Chester Volunteer Fire Department</td>
<td>(304) 387-1690</td>
</tr>
<tr>
<td>Hancock County, Health Department</td>
<td>(304) 564-3343</td>
</tr>
<tr>
<td>Morgantown Utility Board</td>
<td>(304) 292-8443</td>
</tr>
<tr>
<td>City of Morgantown, Fire Department</td>
<td>(304) 284-7481</td>
</tr>
<tr>
<td>City of Morgantown, Police Department</td>
<td>(304) 284-7522</td>
</tr>
<tr>
<td>Monongalia County Emergency Management</td>
<td>(304) 598-0301</td>
</tr>
<tr>
<td>Monongalia County Dispatch</td>
<td>(304) 599-6382</td>
</tr>
<tr>
<td>Monongalia County Health Department</td>
<td>(304) 598-5100</td>
</tr>
<tr>
<td>East Dunkard Water Authority, Dilliner, PA</td>
<td>(724) 943-3713</td>
</tr>
<tr>
<td>Dunkard Valley Joint Municipal Authority</td>
<td>(724) 943-3000</td>
</tr>
<tr>
<td>Masontown, PA Water Authority</td>
<td>(724) 583-7731</td>
</tr>
<tr>
<td>WVDEP Spill Line</td>
<td>800-642-3074</td>
</tr>
<tr>
<td>WVDNR-Wildlife</td>
<td>(304) 825-6787</td>
</tr>
</tbody>
</table>
1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers
Product name : Water

Product Number : 320072
Brand : Sigma-Aldrich
CAS-No. : 7732-18-5

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet
Company : Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS MO 63103
USA

Telephone : +1 800-325-5832
Fax : +1 800-325-5052

1.4 Emergency telephone number
Emergency Phone # : (314) 776-6555

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements
Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Formula : H₂O H₂O
Molecular weight : 18.02 g/mol
CAS-No. : 7732-18-5
EC-No. : 231-791-2

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

4.1 Description of first aid measures
If inhaled
If not breathing give artificial respiration

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available
5. FIREFIGHTING MEASURES

5.1 Extinguishing media
   Suitable extinguishing media
   Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture
   No data available

5.3 Advice for firefighters
   No data available

5.4 Further information
   The product itself does not burn.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
   For personal protection see section 8.

6.2 Environmental precautions
   No data available

6.3 Methods and materials for containment and cleaning up
   Wipe up with absorbent material (e.g. cloth, fleece).

6.4 Reference to other sections
   For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
   For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
   No special storage conditions required.

7.3 Specific end use(s)
   Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters
   Contains no substances with occupational exposure limit values.

8.2 Exposure controls

   Appropriate engineering controls
   Handle in accordance with good industrial hygiene and safety practice.

   Personal protective equipment

   Skin protection
   Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

   Full contact
   Material: Nitrile rubber
   Minimum layer thickness: 0.11 mm
   Break through time: 480 min
   Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

   Splash contact
   Material: Nitrile rubber
   Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Respiratory protection**
No special protective equipment required.

**Control of environmental exposure**
Prevent product from entering drains.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

| a) Appearance | Form: liquid  
| Colour: colourless |
| b) Odour | No data available |
| c) Odour Threshold | No data available |
| d) pH | 6.0 - 8.0 at 25 °C (77 °F) |
| e) Melting point/freezing point | 0.0 °C (32.0 °F) |
| f) Initial boiling point and boiling range | 100 °C (212 °F) - lit. |
| g) Flash point | Not applicable |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | No data available |
| j) Upper/lower flammability or explosive limits | No data available |
| k) Vapour pressure | No data available |
| l) Vapour density | No data available |
| m) Relative density | 1.000 g/cm³ at 3.98 °C (39.16 °F) |
| n) Water solubility | completely miscible |
| o) Partition coefficient: n-octanol/water | No data available |
| p) Auto-ignition temperature | No data available |
| q) Decomposition temperature | No data available |
| r) Viscosity | No data available |
| s) Explosive properties | No data available |
| t) Oxidizing properties | No data available |

**9.2 Other safety information**
No data available
10. STABILITY AND REACTIVITY

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
No data available

Inhalation: No data available
Dermal: No data available
No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available
12. ECOLOGICAL INFORMATION

12.1 Toxicity
No data available

12.2 Persistence and degradability
Not applicable

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects
No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Product
Taking into account local regulations the product may be disposed of as waste water after neutralisation.

14. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA Hazards

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td></td>
</tr>
</tbody>
</table>

New Jersey Right To Know Components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td></td>
</tr>
</tbody>
</table>

California Prop. 65 Components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td></td>
</tr>
</tbody>
</table>
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

HMIS Rating
Health hazard: 0
Chronic Health Hazard: 0
Flammability: 0
Physical Hazard 0

NFPA Rating
Health hazard: 0
Fire Hazard: 0
Reactivity Hazard: 0

Further information
Copyright 2014 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies for internal use only.
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a
guide. The information in this document is based on the present state of our knowledge and is applicable to the
product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the
product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling
or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing
slip for additional terms and conditions of sale.

Preparation Information
Sigma-Aldrich Corporation
Product Safety – Americas Region
1-800-521-8956

Version: 5.3               Revision Date: 10/01/2014               Print Date: 11/10/2014
ATTACHMENT B
# ATTACHMENT C

## TANK IN-SERVICE INSPECTIONS CHECKLIST

<table>
<thead>
<tr>
<th></th>
<th>Satisfactory</th>
<th>Unsatisfactory</th>
<th>Non Applicable</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Foundation and Supporting Structure</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check for settlement around perimeter of tank.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check for settlement of structure supporting tank.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check for settlement of tank into the base.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Stormwater and Housekeeping</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspect site for drainage away from the tank and associated stormwater system.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspect the area for build up of trash, vegetation, or other debris.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shell and Supporting Appurtenances</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visually inspect for paint failures, pitting, corrosion, dents, punctures, cracks or cuts.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check bracing and supports for lines and equipment.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspect visible metallic parts for corrosion and wear.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspect condition and functioning of hatch cover.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspect scaffold support for corrosion, wear, and structural soundness.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Piping and Valves</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspect manifold piping, hoses, and valves for leaks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspect flanges and around bolting for leaks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspect connections for leaks and for proper valve operation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locate and document any leaks by sketch or photo.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Overfill devices</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check freedom of movement of marker and float.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspect alarm system</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Aboveground Storage Tank Initial and Annual Inspection Checklist

<table>
<thead>
<tr>
<th>Item to Be Inspected</th>
<th>Yes</th>
<th>No</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does the AST meet current design standards?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is there settling around the tank?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does runoff go away from tank?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does foundation of tank appear to be adequate for tank?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is AST compatible with material stored in tank?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are there any cracks in the tank shell?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are there any worn areas on the tank?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is there any damage or defects to the tank?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are the connections tight and aligned?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is there any discoloration to the tank shell?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are there any stains around the tank?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are there signs of a recent release around the tank?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does tank have galvanic protection?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does the tank have some other corrosion protection?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does the external shell have pits, corrosion or chips in paint or coating?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does tank have a release detection system?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does tank have written release prevention procedures?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the tank a double walled tank?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does the tank have secondary containment?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can secondary containment hold 110% of the largest single tank?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is there sufficient freeboard for precipitation events?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the secondary containment compatible with the tank contents?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are there cracks in the secondary containment?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are there low spots in the secondary containment?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is there vegetation growing in the secondary containment?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is there debris or trash in the secondary containment?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does the tank have a leak detection system?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are leak detection files available and up to date?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does tank have corrosion Protection?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are corrosion protection document available and up to date?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Are Operation and Maintenance records available and up to date?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>