

**DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection**

N826164482

FACILITY: JORGENSEN FARM ELEVATOR		SRN / ID: N8261
LOCATION: 2215 DIETZ RD, WILLIAMSTON		DISTRICT: Lansing
CITY: WILLIAMSTON		COUNTY: INGHAM
CONTACT: Michael Turner , Vice President		ACTIVITY DATE: 09/09/2022
STAFF: Michelle Luplow	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Onsite, unannounced inspection to determine compliance with the General PTI for anhydrous ammonia tanks.		
RESOLVED COMPLAINTS:		

Inspected by: Michelle Luplow

Personnel Present: Scott Turner, Jorgensen associate (jorgensenfe@gmail.com)

Purpose

Conduct an unannounced, onsite compliance inspection by determining Jorgensen Farm Elevator's (Jorgensen) compliance with General Permit to Install (PTI) No.'s 236-09, 235-09, 234-09, and 102-09 for Anhydrous Ammonia Storage and Handling. Each permit covers 1 permanent storage tank (4 permanent storage tanks total onsite). This facility was last inspected in July 2015.

Facility Background/Regulatory Overview

Jorgensen is a grain elevator that owns and operates various grain handling activities. They also own 4 anhydrous ammonia tanks (including nurse and applicator tanks) that they use for application to their own farmland.

Scott Turner said they only have a spring planting season which typically occurs in April, depending on weather conditions.

The PTI special conditions are created based on consideration of Best Available Control Technology for toxics (T-BACT), the American National Standard (ANSI) for Safety Requirements for the Storage and Handling of Anhydrous Ammonia, and MIOSHA requirements summarized in the Department of Labor and Economic Growth General Industry Safety Standards, Part 78 for Storage and Handling of Anhydrous Ammonia (1910.111).

Inspection

This was an unannounced onsite compliance inspection. At ~11 a.m. on September 9, 2022 I met with Scott Turner onsite to conduct the inspection.

EU-AMMONIA

Each General PTI (236-09, 235-09, 234-09, and 102-09) is for a single anhydrous ammonia tank with no more than a 30,000 gallon capacity and any associated nurse and applicator tanks. The requirements contained within these 4

permits are identical, and as such, the compliance discussion below addresses the requirements for all 4 tanks collectively.

Process/Operational Limits

SC 1.1

Jorgensen is required to comply with the MIOSHA 1910.111 (Part 78, Storage and Handling of Anhydrous Ammonia) and the American National Standards Institute (ANSI) manual K61.1-1972 (second edition), adopted by reference within 1910.111. The most recent updated version of this ANSI standard is K61.1-1999 (fifth edition).

ANSI K61.1-1999 Section 3.4

The following items are required to be on-hand for emergency and rescue purposes:

(3.4.1.1) Two full-faced gas masks jointly approved by NIOSH and MSHA, each with one spare canister in a readily accessible location, OR two high visibility full head hoods each with a minimum of 5 minute pressurized air supply (this includes full face respirators or self-contained breathing apparatuses as alternatives)

(3.4.1.2) One pair of protective gloves impervious to ammonia

(3.4.1.3) One pair of protective boots impervious to ammonia

(3.4.1.5) Easily accessible emergency shower and a plumbed eyewash unit or at least 100 gal of clean water in an open top container

(3.4.1.6) Chemical splash goggles

I did not verify that all protective equipment was present onsite; however, I did observe S. Turner using ammonia-impervious gloves. He also said that they keep a 100-gallon emergency water tank near the ammonia tank during transfers. He showed me the vacant spot near the tank where this tank is kept. S. Turner also indicated that they do have chemical safety goggles available.

ANSI K61.1-1999 Section 5.12 – Painting of containers

This standard requires the tank to have a reflective surface maintained in good condition. White or other colors with similar reflecting characteristics are acceptable. Jorgensen has painted each tank white and is therefore in compliance with this standard.

ANSI K61.1-1999 Section 6.4 – Installation of storage containers

According to 6.4.1 the aboveground containers should be reinforced with concrete footings and foundations or structural steel supports mounted on reinforced concrete, and the lowest point of the tank should not be less than 18 inches above ground. Some of Jorgensen's permanent storage tanks have structural steel supports that are mounted on reinforced concrete, while others have concrete footings and foundations. Both are acceptable. Additionally, each tank is at least 2 feet above the ground.

ANSI K61.1-1999 Section 6.6 – Marking containers

Ammonia storage tanks are required to be marked on at least 2 sides, which are visible with the words "ANHYDROUS AMMONIA" in sharply contrasting colors with letters not less than 3.9 inches high. Each container should also be marked on each end and on each side with the words "INHALATION HAZARD" in sharply contrasting colors with letters not less than 2 inches high. Each of Jorgensen's tanks is labeled with the words, "ANHYDROUS AMMONIA" (on the visible sides of the tanks) and one side on each tank is labeled with "INHALATION HAZARD." Jorgensen sent me photos post-inspection that show the "INHALATION HAZARD" stickers have been applied to both ends of each tank to ensure compliance (see attached photos).

SC 1.2

Jorgensen also required to implement and maintain the inspection and maintenance program specified in Appendix A of the permit for the nurse/applicator and permanent storage tanks. Permanent storage tanks must be inspected at least twice per year, prior to spring and fall application seasons. Nurse and applicator tanks are required to be inspected daily and documented at the permittee's discretion. They are also required to document all maintenance and repairs for the nurse and applicator tanks.

Because Jorgensen only has a spring application season, the permanent storage tanks should be inspected prior to the spring season only. The "Inspection and Maintenance Program: Permanent Ammonia Storage Tank" form located on page 2 of Appendix A is required to be filled out. Jorgensen provided me with inspection records for each of the 4 tanks (see attached), which were conducted in April 2022; however, the inspections done on the 4 permanent storage tanks were done using the Nurse and Applicator Tanks inspection form (Appendix A page 1). Jorgensen is meeting the requirement to inspect these 4 tanks prior to the spring application season; however, the incorrect inspection form has been used. I notified Jorgensen via email on 9/19/22 that going forward, the inspection forms titled "Inspection and Maintenance Program: Permanent Ammonia Storage Tank" inspection form (which is included in each of the 4 permits that Jorgensen Farm Elevator has for their 4 tanks: "Appendix A Page 2 of 2") needs to be filled out for all Permanent Storage tank inspections. Failure to do so may result in a violation notice in the future.

Jorgensen also included records of the inspections conducted on the nurse tanks conducted at the beginning of the application season. In addition to these inspections, S. Turner said maintenance and checks are conducted on the nurse tanks routinely throughout the season.

I reviewed the Appendix A permanent storage tank inspection checklist while onsite and observed the following:

- Tank supports are in good condition
- Paint in good condition
- The piping valves are all locked when not in use
- Pipes are free of physical damage and rust
- Valves are labeled for liquid and vapor (these were not labeled during the inspection; however, Jorgensen sent a follow-up email on 9/23/22 containing a photo (attached) demonstrating that labels have been added).

SC 1.3 & 1.20

Jorgensen is required under these conditions to have an emergency response plan, to be followed in the event of an emergency, which has been approved by the local fire department or county emergency response agency and has been implemented and maintained. Records for the date of annual review and approval of the plan with the local fire department or county emergency response agency are required to be maintained. Annual review is required to be conducted prior to each spring season.

During the inspection, S. Turner said NIESA (Northeast Ingham Emergency Service Authority) is the entity that conducts walkthroughs at Jorgensen Farm Elevator. S. Turner said the review of the emergency response plan and walkthrough was conducted October 19, 2021 at 6:30 p.m. Jorgensen is currently still waiting for the written report from NIESA at this time which contains their approval of the emergency response plan. I reminded S. Turner over the phone that Jorgensen should aim to get the approval from NIESA (complete with signature and date of the NIESA staffperson present at the walkthrough and emergency response plan review) at the time of review and noted that failure to obtain documentation of the approval may result in a violation in the future.

SC 1.4

All transfer operations are required to be conducted using a person that is properly trained and made responsible for proper compliance with all applicable procedures. J. Igl said that Citizens Elevator – Vermontville are the delivery/transporters for their anhydrous ammonia. An internet search revealed that Citizens Elevator – Vermontville does store anhydrous ammonia and that the last compliance inspection conducted by MIOSHA was in 1998 (<https://rtk.rjifuture.org/rmp/facility/100000152853>). It appears that this company is noted for anhydrous ammonia handling, but it may be beneficial during a future inspection to verify with Citizens Elevator – Vermontville their handling and delivery safety protocols and training program.

SC 1.5

Nurse and applicator tank storage shall be no less than 50 feet from the property line; 150 feet from any existing places of residence or private or public assembly; 250 feet from a school, apartment building or institutional occupancy; and no less than 1000 feet from a hospital or nursing home. I was not able to verify nurse tank storage distances while onsite because the nurse tanks were not onsite during the inspection.

SC 1.6

All nurse tank filling is required to be done only from the permanent storage tank. Although transfer operations were not currently taking place during the inspection, S. Turner confirmed that the nurse tanks are only filled from the permanent storage tank.

SC 1.7

Nurse tanks are allowed to be filled up to 85% and permanent, uninsulated storage tanks up to 87.5% (per Rule 7801 (b)(11)). S. Turner said that the 4 permanent storage tanks are uninsulated. The permanent storage tanks were at the following levels during the inspection: Tank 1 – 75%; Tank 2 – 50%; Tank 3 – 50%; Tank 4 – 50%. I was unable to verify nurse tank fullness because they were not located onsite during the inspection.

SC 1.8

Vapor return lines are required to be employed when necessary to ensure an accidental release will not occur from the pressure relief valves during ammonia transfer operations. S. Turner showed me the vapor return line on the tank, which connects to the delivery truck and runs up the side of the tank to the top to ensure vapor pressure is balanced.

SC 1.9

Per this condition, nitrogen stabilizers shall not be added to the permanent storage tank. S. Turner confirmed with me that no nitrogen stabilizers are added to the anhydrous ammonia in the permanent storage tank.

Equipment**SC.10**

Safety relieve valves are required to be installed with a manufacture date stamp so as to establish the replacement date of the valve (permit requires replacement, re-tested or recertified every 5 years). The safety relief "pop-off" valves are located at the top of each tank. I was unable to verify manufacture dates during the inspection; however, S. Turner sent photos of the pop-off valves for each tank. After the inspection, I spoke with Mike Turner, owner, who acknowledged that the pop-off valves needed to be replaced. The photos indicate that the new replacement date of the valves on each tank is in August and September of 2027 (5 years from date of manufacture).

SC.11

A remotely operated internal or external positive shut-off valve must be installed to allow for emergency shut-off of all flow from the permanent storage tank. S. Turner said that when they are filling the tanks, Jorgensen will install a portable stand that contains a valve that can be shut down via a pulling action in the event an emergency shut-off is necessary. He showed me the approximate location where the stand is installed and it appears that this would be sufficient to ensure remote shut-off.

SC.12

This condition requires that a bulkhead, anchorage, or equivalent system be used at the transfer area so that any break resulting from a pull will break at a predictable location while leaving valves and piping on the tankside of the transfer area intact. There is a bulkhead present where the vapor and liquid lines are attached. This ensures a predictable break-point.

SC.13

Back pressure check valves are required to be installed in the liquid lines of the transport transfer area. S. Turner showed me that each tank has back pressure check valves which precedes the shut off valve for emergencies. This valve ensures that excess flow does not occur.

SC.14

Hoses are required to be replaced 5 years after the date of manufacture or more often if there is evidence of damage or deterioration. S. Turner said that DHT (anhydrous ammonia delivery company) brings the hoses to the site; Jorgensen does not own hoses for these tanks and no hoses were installed on the tanks during the inspection.

SC.15

All vapor or liquid lines required to be vented after anhydrous ammonia transfer are to be vented into 55 gallons minimum of water. S. Turner said that DHT does not bleed the lines after transfer, therefore a water trap is not necessary at this time.

SC.16

A sign is required to be conspicuously placed at the entrance of the facility with emergency contact information containing the owner, primary operator, local and state police, local fire department and ambulance service. Jorgensen has an emergency contact sign containing all required information. It is posted in a conspicuous location (on the side of the pole barn that is adjacent to the tanks). See attached photo.

SC.17

The permanent storage tanks are required to be located a minimum of 50 feet from the property line, 300 feet from any existing places of residence or private or public assembly, 500 feet from a school, apartment building, or institutional occupancy, and not less than 1000' from a hospital or nursing home. Using Bing aerial maps and its associated measuring tool, the tanks are meeting each of these setback distances.

Recordkeeping

SC.18

Jorgensen is required to notify the Pollution Emergency Alert System (PEAS) and/or the AQD District Supervisor immediately of any abnormal release of anhydrous ammonia from the permanent storage tank. S. Turner said he doesn't believe they've had any abnormal releases. I reminded him that in the event an abnormal release occurs, that they must report it through PEAS.

SC.19

Records of date, duration and description of any malfunction or spill from the permanent storage tank, including estimated amount released must be kept. To-date S. Turner said there have been no malfunctions or spills from Jorgensen's anhydrous ammonia tank.

Compliance Statement: At this time, Jorgensen Farm Elevator appears to be in compliance with General Permit to Install (PTI) No.'s 236-09, 235-09, 234-09, and 102-09.



Image 1(Vapor & Liquid Lines) : Vapor and liquid lines without labels during inspection.



Image 2(V & L Lines - Labels) : Vapor and Liquid lines labeled appropriately (photo courtesy of Scott Turner).



Image 3(Safety Relieve Valve) : New Safety Relief (Pop-off) valves installed post-inspection. (Photo courtesy of Scott Turner).



Image 4(Contact Sign) : Emergency Contact Sign posted on pole barn next to tanks.



Image 5(Tank Labels) : "Inhalation Hazard" labels added to call tanks to ensure present on both sides of tank. (Photo courtesy of Scott Turner).



Image 6(Tank Supports) : Structural steel supports with concrete footings.

NAME Michelle Luplow

DATE 9/28/22

SUPERVISOR RB



DISCHARGE RESPONSE PLAN

For

BULK FERTILIZER/PESTICIDES

**JORGENSEN FARM ELEVATOR
WILLIAMSTON, MICHIGAN**

INFO UPDATED: 2-2-22

Up-to-date copies of this plan will be readily available at the Elevator facility and with:

- Rod Pfiester, Leroy Township Fire Department
- Randy Schafer, Ingham County Chair Person, L.E.P.C.
- Jeff Weiss, Sgt., Ingham County Sheriff Office, Emergency Program Manager



Jorgensen Farm Elevator

COMPANY EMERGENCY CONTACT INFORMATION

Jorgensen Farm Elevator

2215 Dietz Rd.

Williamston, MI 48895

Phone: 517-655-2121

Fax: 517-655-6031

Email: jorgensenfe@gmail.com

COMPANY PERSONNEL

Mike Turner, Owner

4225 E. Grand River

Williamston, MI 48895

517-819-0644

Scott Turner, General Manager

2214 Dietz Rd.

Williamston, MI 48895

517-819-9019

Deb Haggerty, Office Manager

597 Bray Rd.

Williamston, MI 48895

517-202-7606

Lynn Haynes, Operations Manager

4211 Frost Rd.

Webberville, MI 48892

517-719-5506



EMERGENCY NOTIFICATION LIST

NIESA, Leroy Township Fire Department	911
Leroy Fire Chief, Rod Pfiester	517-719-5996
Michigan State Police, Hazmat Hotline	800-525-5555
MDA/Ag Pollution Hotline	800-405-0101
*National Response Center	800-424-8802
INFOTRAC Hotline	800-535-5053
Michigan State Police	517-322-1911
McLaren Health System	517-975-6000
Sparrow Health System	517-364-1000
*Ingham County LEPC	517-887-4508
Michigan Poison Control	800-222-1222
Hazmat Contractor Cleanup ML Chartier/Webberville	888-334-8373

*We will contact these agencies within 15 minutes of release

*Call Michigan SARA Title III program (517-373-8431) or MDA (800-405-0101) to determine if a written follow-up report is required within 7 days after the incident.

Emergency Assembly Location for Employees: Scale office or big rock in front of office



ADDITIONAL POPULATION PROTECTION CONCERNS

Local Residents

Tom Cassidy
2220 Dietz Rd.
Williamston, MI 48895
517-290-1121

Tim Dietz
2661 Dietz Rd.
Williamston, MI 48895
517-881-1199

Bill Risch
3945 Holt Rd.
Webberville, MI 48892
517-521-3282

Local Business

The Andersons
2690 Stockbridge Rd
Webberville, MI 48892
517-521-4627

Contact Person: Connie McKeever



PROCEDURES FOR RESPONSE TO AN ON-SITE DISCHARGE

CONTROL:

We will determine whether it is appropriate to stop the source of the spill or to limit the flow.

Wear appropriate personal protective equipment.

We will not allow anyone to walk in the spilled material.

Prevent vehicles from driving over the spilled material.

If necessary, we will shut down all power until it can be determined what can be safely used.

CONTAIN:

We will stop and contain the spill using soil, sod or absorbent material.

Keep the spill out of any body of water, ditch, floor drain, well or sinkhole.

After first response and evaluation of the situation, we will notify the appropriate authorities.

CLEAN-UP:

After emergency containment is completed, clean-up and recovery operation will start.

We will clear the contaminated area of all personnel except for a small clean-up crew.

Wear appropriate personal protective equipment as described on the product label.

If the spill is large enough, we will use a pump or wet-vac to transfer the spilled material into an emergency holding tank.

We will not hose down the spill, because hosing spreads the spilled material. Small spills within a paved loading area will be flushed using a low pressure water line and as little water as possible into a container for recovery.

If the spill cannot be flushed into a container, we will spread absorbent material over the entire spill. Enough absorbent material should be used to soak up as much liquid as possible and allow time for absorbent to work.



CLEAN-UP CONTINUED:

We will sweep or shovel the absorbed material into a large leak-proof open-head recovery drum.

If the spill occurred on soil or gravel, we will remove contaminated soil or gravel a minimum of 1 to 2 feet below contamination level.

For pesticide clean-up, we will contact the manufacturer for recommendations.

We will repeat the above process until all residue of spilled material is removed.

We will rinse the area (if on a mix/load pad or in secondary containment) with water to wash away any remaining material. Collect and hold rinse water for use or disposal.

Remove personal protective equipment being careful not to contaminate ourselves or others.

We will discard contaminated clothing, brooms, etc. as we would contaminated material.

We will be sure disposal procedures are not such that someone unaware of the incident will reuse the clothing or equipment.

If the spill occurred in a pesticide storage area, the area will be checked carefully to see if any other pesticides are contaminated by the spill. If so, these pesticides will also be disposed of, or arrangements will be made for their return to the manufacturer. Any disposal will be carried out in accordance with local, state and federal regulations.



Jorgensen Farm Elevator

USE AND DISPOSAL OF DISCHARGED MATERIALS

Whenever possible, spilled material will be used as originally intended. When re-use is not possible, either because of excessive contamination or cross-contamination with an incompatible material, the material will be disposed of in accordance with MDA/DEQ requirements.

RECOVERED PESTICIDE CONCENTRATE

Spilled material that is still usable may be used. The approximate analysis of material must always be known before use. If the material will be sold, the spill material should be thoroughly mixed and a sample chemically analyzed to determine the concentration.

RECOVERED PESTICIDE RINSATES

Small spills and rinsate resulting from daily spill clean-up will be used as make-up water in the present or future outgoing pesticide loads of the same pesticide or same use-site compatible pesticides. Approximate concentration of rinsate will be accounted for when intended application is near maximum label rate. All customers receiving rinsate as make-up water will be informed in advance and approve.

If rinsate is not to be used as make-up water or applied as-is, it will be disposed of according to label directions and as directed by our MDA/DEQ contacts.

SOLID MATERIALS AND CONTAMINATED EQUIPMENT FROM PESTICIDE SPILLS

Absorbent materials, contaminated soil and gravel, equipment and other solid materials will be disposed of by means of landspreading as directed by MDA/DEQ contacts.



USE AND DISPOSAL OF DISCHARGED MATERIALS CONT.

RECOVERED FERTILIZER

Significant quantities of recovered fertilizer will be thoroughly blended, sampled and analyzed. Once the analysis is obtained, the product will be sold at this analysis to any customer who is aware and accepts that the product is a recovered spill.

Small quantities of recovered liquid fertilizer and rinsate from fertilizer spill or equipment clean-up will be:

- Used as makeup water for future fertilizer or pesticide applications.
- Landspread as-is; applications will be made at rates not exceeding the normal nutrient needs for the present or intended crop.

Solid materials and contaminated equipment resulting from recovery of fertilizer spills will be:

- Applied as intended, provided there is minimal mixing of fertilizer with soil, gravel or other materials.
- Disposed of by means of landspreading as directed by MDA/DEQ contacts. This option can only be used when material can be uniformly applied at a rate not exceeding normal nutrient need for the present or intended crop.



HAZARDOUS COMMUNICATION FOR DISCHARGE RESPONSE PLAN

GENERAL

The following hazard communication program has been established for Jorgensen Farm Elevator. This program will be available for review by all employees and all employees will receive annual communication and training on the discharge response plan.

HAZARD DETERMINATION

Jorgensen Farm Elevator will be relying on material safety data sheets from suppliers to meet determination requirements.

LABELING

The employees will be responsible for seeing that all containers coming in are properly labeled. All labels shall be checked for: Identity, hazard, name and address of responsible party.

Each employee shall be responsible for seeing that all portable containers used in their work area are labeled with identity and hazard warning.

MATERIAL SAFETY DATA SHEETS (MSDS)

Mike Turner will be responsible for compiling the master MSDS file. It will be kept in the file cabinet in the office.

EMPLOYEE INFORMATION AND TRAINING

Mike Turner shall coordinate and maintain records of training conducted for Jorgensen Farm Elevator.

Before starting work, or as soon as possible thereafter, each new employee will attend a safety class. In that class, each employee will be given information on:



Jorgensen Farm Elevator

EMPLOYEE INFORMATION AND TRAINING CONTINUED

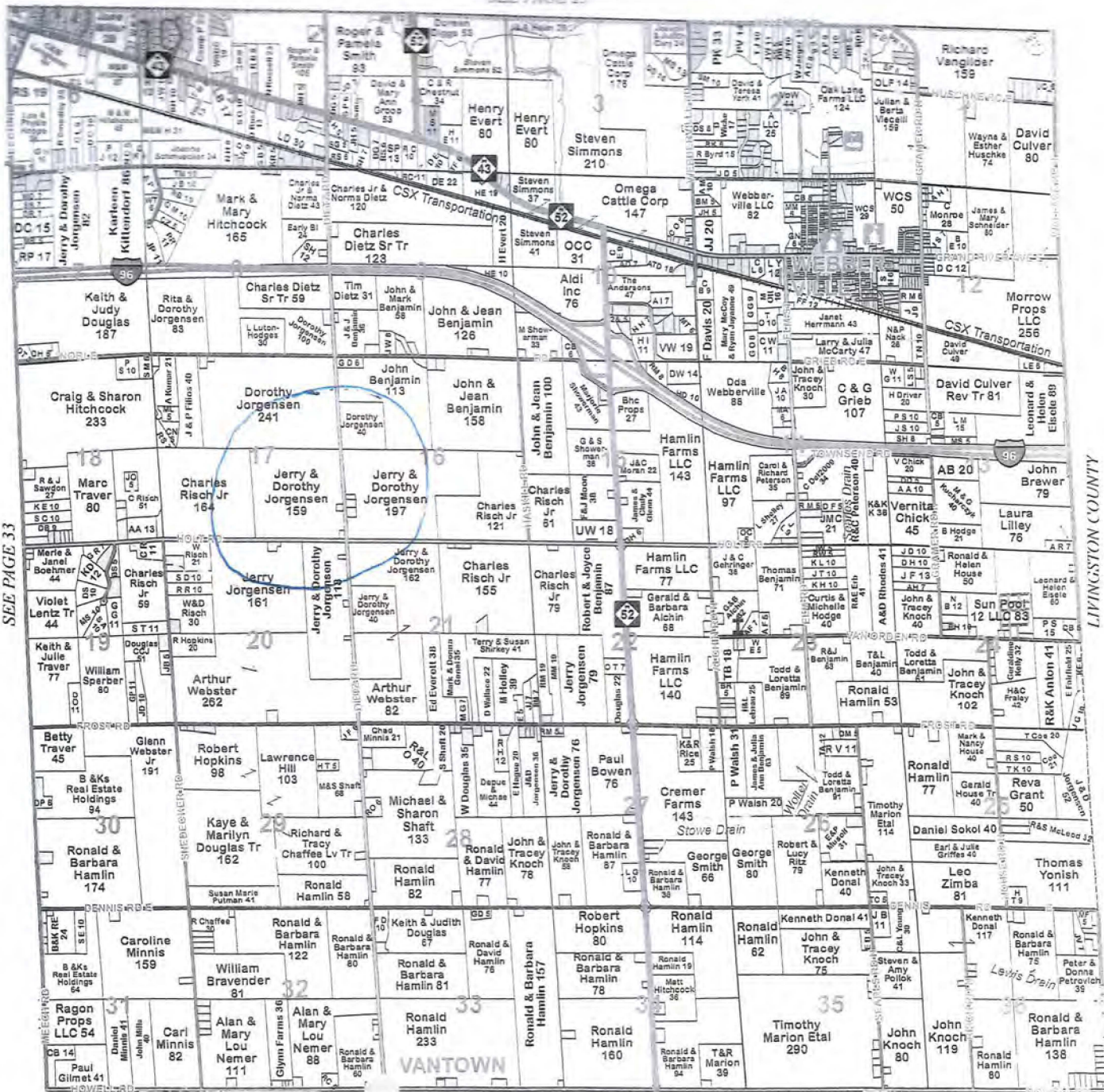
- Chemicals and their hazards in the workplace.
- How to lessen or prevent exposure to these chemical.
- What the company has done to lessen or prevent workers exposure to these chemicals.
- Procedures to follow if they are exposed.
- How to read and interpret labels and MSDS.
- Where to locate MSDS and from whom they may obtain copies.
- Training on the discharge response plan.

SECURITY MEASURES

All outdoor tanks are equipped with locking valves and are secured or inaccessible when not in use. Surveillance cameras are installed throughout the complex and videotape on a 24/7 schedule.

LEROY T3N • R2E

SEE PAGE 21



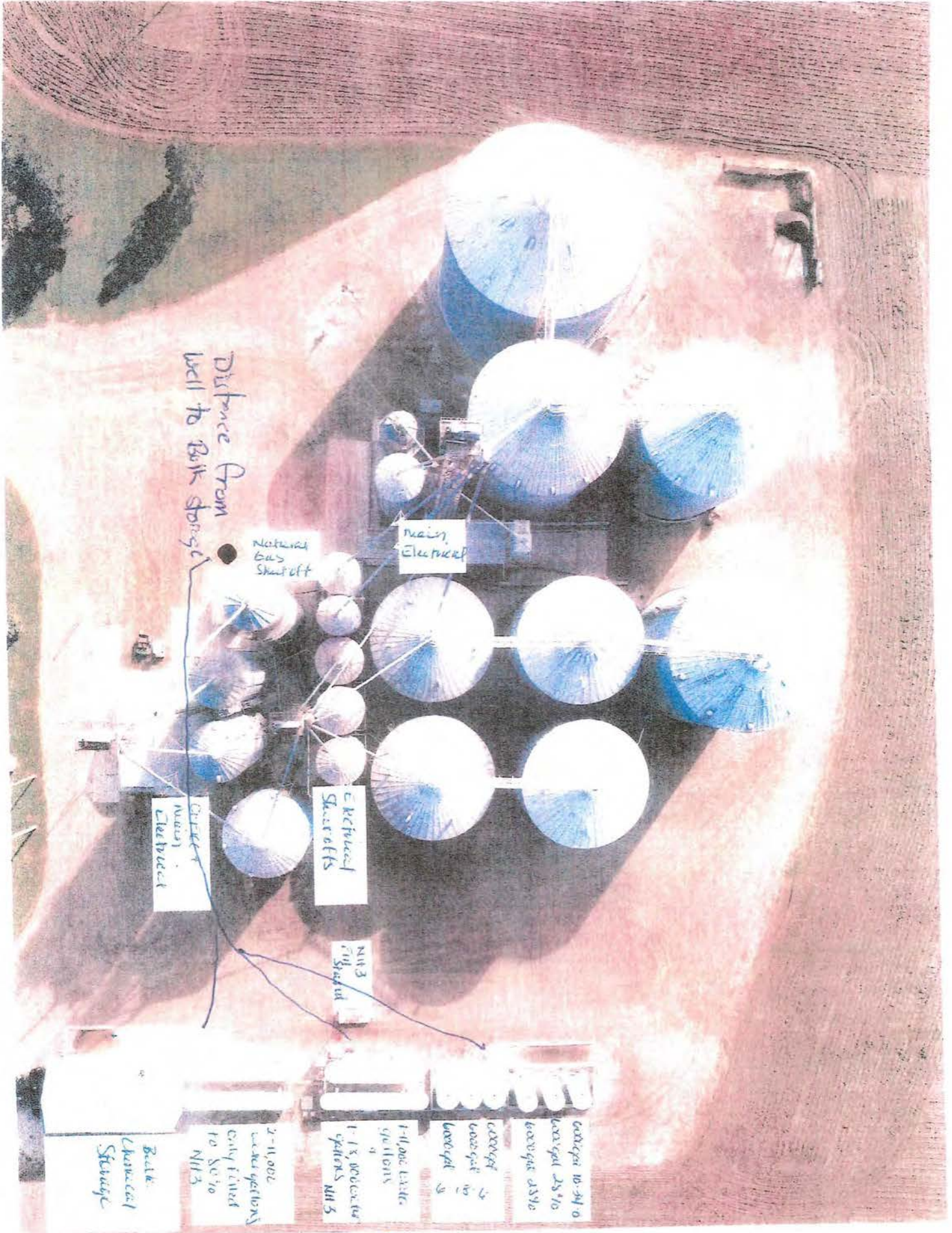
SEE PAGE 33

LIVINGSTON COUNTY

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SEE PAGE 35

No streams, lakes, open water within
 .5 miles of Jorgensen farm Elevator



Distance from well to Bulk storage

Natural Gas Shut off

Main Electrical

Returned Start off

Control Main Electrical

NH3 Filtration

Bottle Chemical Storage

2-11,000 water gallons only filled to 80% NH3

1-1,000 water gallons NH3

6000 gal to 1000 gal

6000 gal to 1000 gal

only filled to 80%



Bulk chemical
Mini bulk container
storage

Equipment Storage
Seed Storage

Dry fertilizer
Equipment
Storage

Swamp

Package
Chemical

Fuel &
Gas
Storage

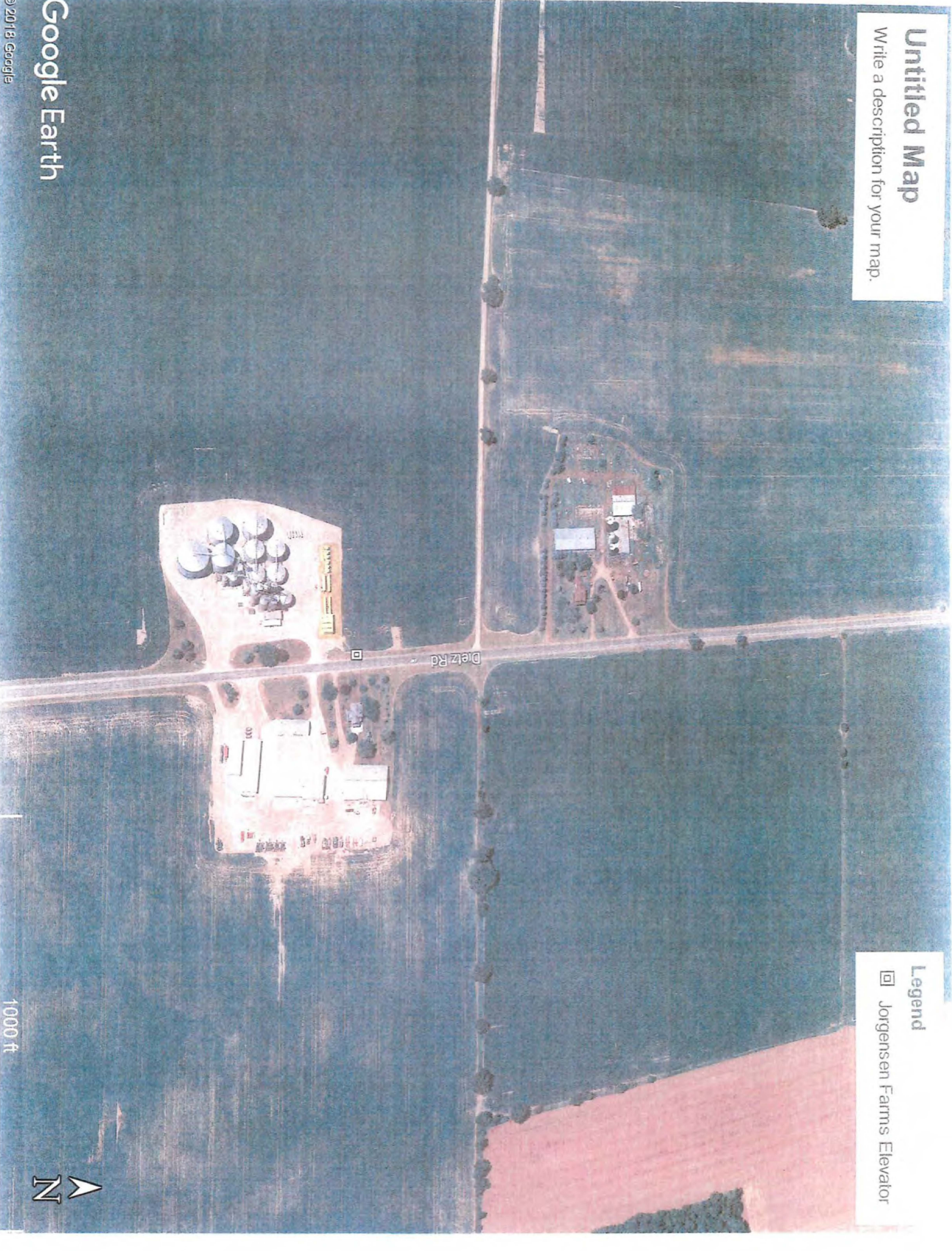
Dry fertilizer

Truck
Storage

Electrical
Panels

Untitled Map

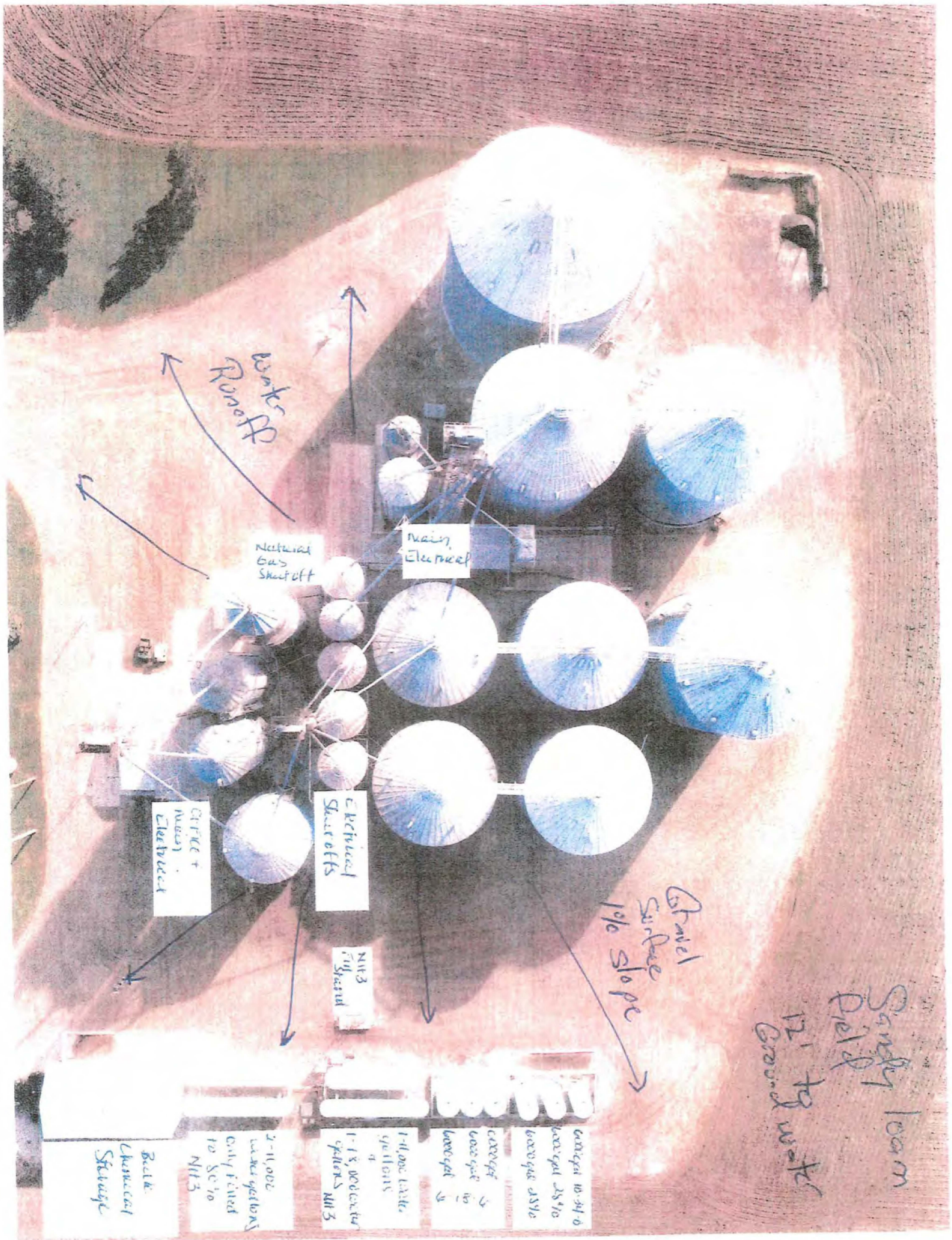
Write a description for your map.



Legend

 Jorgensen Farms Elevator





Water Runoff

Natural Gas Shut-off

Main Electrical

Office + Mess + Cleaned

Critical Shut-offs

NH3 Full Sized

Bulk Chemical Storage

Gravel Surface 10% slope

Sandy loam Field
12' to 19' water

3-11,000 water gallons only filled to 80% NH3

1-18,000 water gallons or 1-18,000 water gallons NH3

1-1,000 water gallons or 1-1,000 water gallons NH3

1-1,000 water gallons or 1-1,000 water gallons NH3

only filled to 90%

Bill
Fire extinguishers
up 24/7
spill tools,
gas hoses,
Hance
on a
24/7
Cameras
schedule

WSDS sheet lockboxes (3)
w/ (up dated)



Office + Metal Electrical

E-Returned Streets

NH3 Filtration

2-11,000
water gallons
only filled
to 50%
NH3

1-15,000 water
gallons NH3

1-1,000 water
gallons
&
1-15,000 water
gallons NH3

600 gal 10-31-10

600 gal 28-10

600 gal 25-10

600 gal 22-10

only
filled
to 50%

Back
Musical
Storage

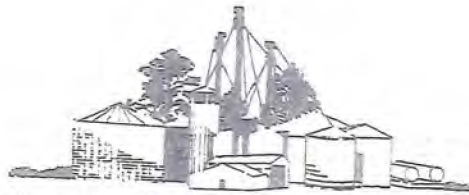


Jorgensen Farm Elevator

Emergency Equipment and Locations

The emergency equipment listed below must be available 24 hours a day. If any equipment is not available at your site, please take some time to find another business (or the fire department) which would be willing to lend you the supplies in an emergency. Be sure to list the business name, contact person, and phone numbers for 24 hours a day. This completed listing could save you countless hours of searching.

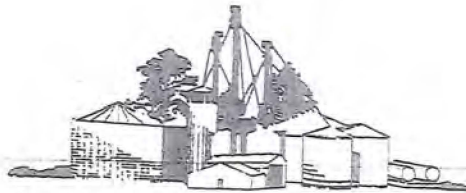
Equipment	On Site	Fire Dept.	Other	Location/Telephone
Safety/Product Information				
Product labels and MSDS Sheets	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		office bulk chem
Safety kits	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		office, chem storage
Two-way radios	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		office
Containment / Cleanup Materials				
Vermiculite / peat moss	<input type="checkbox"/>	<input type="checkbox"/>		
Lime	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Sawdust	<input type="checkbox"/>	<input type="checkbox"/>		
Activated charcoal	<input type="checkbox"/>	<input type="checkbox"/>		
High expansion foam	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Shop
Nozzles for expansion foam	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Shop
Detergent	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shop
Hand shovels	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shop, Elevator
Brooms	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shop Elevator
Sand or soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Spare plugs for containment system	<input type="checkbox"/>	<input type="checkbox"/>		
Storm sewer covers	<input type="checkbox"/>	<input type="checkbox"/>		
Liquid Recovery Equipment				
Vacuum truck (septic cleaning svcs)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	McPharrier 888-334-8323
Liquid transfer pumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shop
Gasoline for pumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shop
Hoses & fittings for pumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shop
Emergency generator	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shop
Wet / dry vacuum	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shop
Tanks / drums (for holding recovered material)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Shop



Jorgensen Farm Elevator Personal Protective Equipment

Not required as part of the plan, but must be available.

Equipment	On Site	Fire Dept.	Other	Location/Telephone
Self-contained breathing apparatus (SCBA)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		located in corn dump
Spare air canisters for SCBA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		located in corn dump
Respirators	<input checked="" type="checkbox"/>	<input type="checkbox"/>		located in office cabinet
Chemical-resistant / neoprene boots	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Disposable boots	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Spill kits
Chemical-resistant gloves	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Spill kits
Chemical-resistant protective suit, coverall, and headwear	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Spill kits
Protective eyewear	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Spill kits
Disposable coveralls (meeting "change of clothing" requirement)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Spill kits shop
Gas detection monitor / tubes	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Other:	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>	<input type="checkbox"/>		



Jorgensen Farm Elevator

Emergency Equipment and Locations (cont.)

Equipment	On Site	Fire Dept.	Other	Location / Phone
Traffic Control				
Street barriers for barricades	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Tape or rope for use in isolating area	<input checked="" type="checkbox"/>	<input type="checkbox"/>		office cabinet
Excavation Equipment				
Front-end loader	<input checked="" type="checkbox"/>	<input type="checkbox"/>		behind shop
Bulldozer	<input checked="" type="checkbox"/>	<input type="checkbox"/>		" "
Dump Truck	<input checked="" type="checkbox"/>	<input type="checkbox"/>		" "
Back hoe	<input checked="" type="checkbox"/>	<input type="checkbox"/>		" "
Emergency Repair Equipment				
Beveled wooden stakes & mallet	<input type="checkbox"/>	<input type="checkbox"/>		
Rubber strips, plastic tape & duct tape	<input checked="" type="checkbox"/>	<input type="checkbox"/>		shop
Assorted bolts, screws & hand tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>		"
Rain gutter / plywood for overflow control	<input checked="" type="checkbox"/>	<input type="checkbox"/>		"
Caulking material	<input checked="" type="checkbox"/>	<input type="checkbox"/>		"

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: * <i>Storage</i>	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples	✓								
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging	✓								
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition	✓								
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

PIT HAS O-RING ON SITE - VALVE

Date Inspected: 4-22-22

Inspector: MT Turner

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: * <i>Storage #3</i>	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration									
11. Hoses, including those on nurse tanks, securely clamped to the nipples									
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging									
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition									
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled									
17. Five gallon or larger can filled with clean water for transport vehicles									
18. Quick disconnects annually reconditioned									

Date Inspected: 4-2-22

Inspector: M. Turner

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: # <u>Storage #2</u>	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration									
11. Hoses, including those on nurse tanks, securely clamped to the nipples									
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging									
13. Tanks securely attached	✓								
14. Traller tongues, hitches, and safety chains in sound condition									
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled									
17. Five gallon or larger can filled with clean water for transport vehicles									
18. Quick disconnects annually reconditioned									

Date Inspected: 4-1-22

Inspector: M. Jones

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: * <u>Storage #1</u>	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration									
11. Hoses, including those on nurse tanks, securely clamped to the nipples									
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging									
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition									
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled									
17. Five gallon or larger can filled with clean water for transport vehicles									
18. Quick disconnects annually reconditioned	✓								

Date Inspected: 4-1-22

Inspector: M. L. [Signature]

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: # <u>35 1.5</u>	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples	✓								
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging	✓								
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition	✓								
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

Date Inspected: 4-22-22 Inspector: Lynn

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: # <u>34 53</u>	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples	✓								
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging	✓								
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition	✓								
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

Date Inspected: 4-22-22

Inspector: Lynn

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: # 33 11	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples									
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging									
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition	✓								
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

Date Inspected: 4-22-22

Inspector: Lydia

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

Appendix A – Page 1 of 2 Inspection and Maintenance Program Nurse and Applicator Tanks

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: # <u>32 JJ</u>	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples									
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging									
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition	✓								
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

Date Inspected: 4-22-22

Inspector: Mike

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: # <u>31 K</u>	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples	✓								
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging	✓								
13. Tanks securely attached	✓								
14. Traller tongues, hitches, and safety chains in sound condition	✓								
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

Date Inspected: 4-22-22

Inspector: Lynn & Mike

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: # 29 Kubick	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples	✓								
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging	✓								
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition	✓	Greased		Mike R	has	new front tire			
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

Date Inspected: 4-21-22

Inspector: Lynn

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

Appendix A - Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Table with columns for Tank Identification, Satisfactory? (Yes/No/Date), and 18 numbered inspection items. Includes handwritten entries like '28 Kubteks' and 'No HOSE'.

Date Inspected: 4-21-22

Inspector: Lynn

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: * 27 Kubick	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples	No	Hoses							
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging	✓								
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition	✓								
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

Date Inspected: 4-21-22

Inspector: Lynn

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

Took to Kubicks to replace front tire.

**Appendix A – Page 1 of 2
 Inspection and Maintenance Program
 Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: * <u>25</u>	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples	✓								
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging	✓								
13. Tanks securely attached	✓								
14. Traller tongues, hitches, and safety chains in sound condition	✓								
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

Date Inspected: 4-21-22

Inspector: Lynn

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: * 24	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
	1. Tank free of leaks	✓							
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples	✓								
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging	✓								
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition	✓								
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

Date Inspected: 7-19-22

Inspector: Lynn Hanna

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

AGD EXECUTIVE

5173731265

14:01

04/06/2009

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: # <u>25</u>	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples	✓								
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging	✓								
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition	✓								
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

Date Inspected: 4-19-22

Inspector: Lynn Hoynes

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.

**Appendix A – Page 1 of 2
Inspection and Maintenance Program
Nurse and Applicator Tanks**

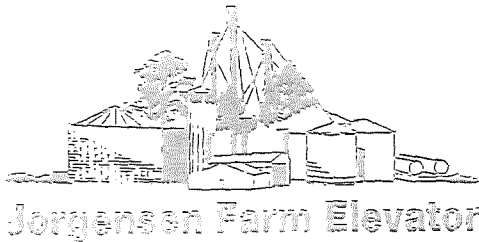
Inspections to be performed daily and documented at the permittee's discretion. Permittee shall document all maintenance and repairs.

Tank Identification: # <u>26 Kubick</u>	Satisfactory?			Satisfactory?			Satisfactory?		
	Yes	No	Date *	Yes	No	Date *	Yes	No	Date *
1. Tank free of leaks	✓								
2. Paint in good condition	✓								
3. Valves and fittings free from leaks and in good condition	✓								
4. Protective guards in place and in good condition	✓								
5. Outlet openings on valves and lines free of dirt and rust with protective caps in place	✓								
6. Safety relief valves free of debris with rain caps installed	✓								
7. Gages, pressure and liquid level, are operable	✓								
8. Excess flow valves installed and in good condition	✓								
9. Valves properly labeled "liquid" and "vapor"	✓								
10. Vapor and liquid hoses are proper ammonia-type and free of damage or deterioration	✓								
11. Hoses, including those on nurse tanks, securely clamped to the nipples		NO HOSES							
12. Hoses suitably racked to prevent kinking and hose on delivery tanks securely fastened to prevent dragging	✓								
13. Tanks securely attached	✓								
14. Trailer tongues, hitches, and safety chains in sound condition	✓								
15. Nurse tank valves locked or capped if site is unattended or not fenced in	✓								
16. Nurse tanks properly labeled	✓								
17. Five gallon or larger can filled with clean water for transport vehicles	✓								
18. Quick disconnects annually reconditioned									

Date Inspected: 7-21-22

Inspector: Lynn

* For each tank, check if condition is satisfactory or not satisfactory. If condition is not satisfactory, complete date when corrected. If condition is not applicable, write NA.



ANHYDROUS AMMONIA - HANDLING AND STORAGE

A clear liquid under pressure, anhydrous ammonia becomes a vapor at temperatures above -28 degrees Fahrenheit at atmospheric pressure. This ability to evaporate instantly results in severe burns when NH_3 contacts the skin, asphyxiation if inhaled, or blindness, when it gets into the eyes. Safety devices built into anhydrous equipment, and safety factors built into storage tanks and applicators reduce the danger considerably. It is human error that accounts for almost all NH_3 injuries.

Obtaining accurate information and thorough training, wearing proper protective gear, and establishing the following safe handling practices will greatly reduce the chance of someone becoming injured by NH_3 .

Anhydrous Ammonia - Bulk Plant Safety

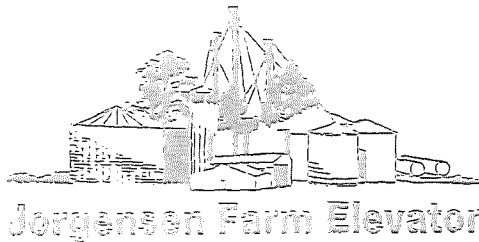
1. Bulk plants should be located outside densely populated areas and the site must be kept clear of waste, weeds, or long grass.
2. Ammonia plants must be properly locked when unattended. Technically, a plant is locked when the main liquid and vapor valves are locked, but for everyone's protection, all hoses and valves, car riser valves, and transport stubs must be locked.
3. Piers supporting NH_3 tanks must be structurally sound and a corrosion barrier the width of the saddle installed to prevent contact between the tank and the pier. The contact area must be at least 120 degrees of the tank circumference.
4. All anhydrous tanks shall be painted white, or another light, reflective color to hold down temperature and pressure.
5. Treat NH_3 burns with water only. Flush for at least 15 minutes and see a doctor as soon as possible. Never put a salve or ointment on an ammonia burn.
6. Liquid valves must be painted orange, vapor valves painted yellow, or a decal or metal tag affixed within 12 inches of valve stating liquid or vapor service. The valves must always be completely open or completely closed.
7. Electrical equipment and wiring must be kept in good condition and protected from damage by weather.
8. Vapor relief valves must direct vapor upward, away from any obstructions, and be covered with weatherproof caps.
9. Only schedule 80 black pipe and fittings may be used on threaded hookups. Absolutely no cast iron, galvanized, brass, or copper alloy pipe or fittings may be used for NH_3 . Joint compounds must be ammonia resistant.
10. All anhydrous hose is stamped with its date of manufacture. Hose life is determined from date of manufacture.

- Stainless steel reinforced, 6 years.

If a hose has gone beyond its useful life, or if it is damaged in any way, replace the hose immediately.

Safe Transfer of NH_3

1. Every bulk plant shall have:
 - Liquid-proof gauntlet gloves;
 - Goggles or full face shields;
 - Two full face gas masks with current NH_3 canisters and spares;
 - 150-gallon safety water tank, filled, or a deluge shower/washdown near the work area;
 - Raincoat or slicker and rubber boots;
 - Chock blocks for nurse tanks and transports;
 - First aid kit.



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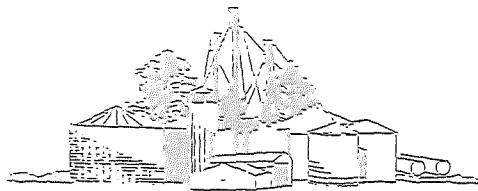
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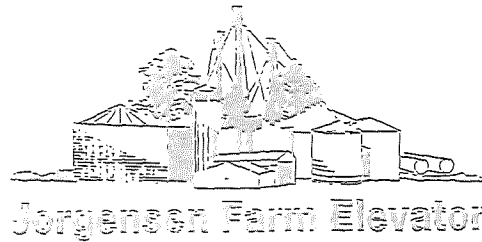
2. Only trained personnel, preferably working in pairs, shall handle anhydrous transfers.
3. Before starting the hookup, the transport's wheels must be chocked and the brakes set.
4. After completing transfer, bleed the liquid and vapor hoses to the facility water bleed container before disconnecting them from the transport. Lift the liquid hose and drain any liquid that might have settled in the low loop of the hose.
5. An anhydrous ammonia tank is considered full when the gauge indicates the tank is at 85% capacity. Further filling increases the danger of pressure buildup from sunlight. (Gauges are only an approximate indicator for nurse tanks. The fixed liquid level gauge (bleed valve) must be used to determine actual amount.)

Nurse Tank Safety

1. No nurse tank will leave a bulk plant without the following equipment:
 - Liquid-proof gauntlet gloves;
 - Goggles;
 - Five-gallon safety water, filled;
 - Two safety chains and hitch pin assembly;
 - A "SLOW MOVING VEHICLE" emblem;
 - Marking on both sides, front, and rear of the tank in 4 inch high letters, reading "ANHYDROUS AMMONIA" and "INHALATION HAZARD";
 - "NONFLAMMABLE" gas emblems on four sides.
2. Stand upwind during filling, keeping goggles over the eyes, a respirator handy, and approved gloves on hands. Hoses must never be stretched to make connection.
3. Make sure tank wheels are chocked and the tank is disconnected from the towing vehicle.
4. Park the nurse tank at least 20 feet from all obstacles and never near a house or building.
5. Each nurse tank must have a visual inspection before leaving the bulk plant. The following items must get special attention:
 - Valves and fittings - check for leakage;
 - Hoses sound and properly secured;
 - Wheel lug bolts tight, tires properly inflated;
 - Securing bolts tight, welds uncracked;
 - Safety chains correctly crossed under trailer tongue, and tongue securely hitched to towing vehicle.
 - Water container filled with clean water.
6. A nurse tank must never be filled beyond 85% of its water gallon capacity.
7. A maximum of two nurse tanks may be pulled behind any vehicle at one time.
8. A nurse tank must never be towed at speeds that exceed 25 MPH.

Applicator Safety

1. Wear gloves and goggles while filling and working around the applicator.
2. Make sure the emergency safety water container is filled with water.
3. Check to make sure the equipment is positioned so that the wind will not carry vapors toward homes, buildings, or growing crops.
4. Where appropriate, make sure the nurse tank is close enough to the applicator to prevent stretched hose between connections.
5. Check gaskets and fittings on the applicator before hooking up.
6. Do not overfill applicator tanks.
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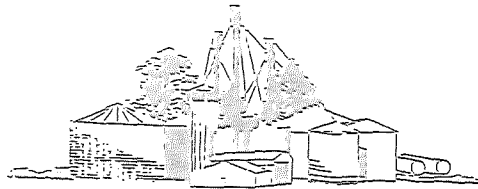
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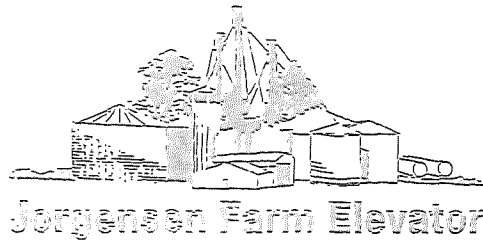
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8. SMV (slow moving vehicle signs) for speeds less than 25 mph.
9. Inspect quick-disconnect assembly for safe operation. (Replace every three years).

Protecting your Customer

1. Make sure the customer understands the hazards of anhydrous ammonia.
2. Urge them to use the gloves and goggles you provide and to keep a supply of water available. It is their best first aid kit in case of an emergency.
3. Post transfer and safety decal on each tank and applicator.
4. Remember: If you are not interested in safety, neither will your customer be interested. One serious injury can jeopardize your good reputation.

Date

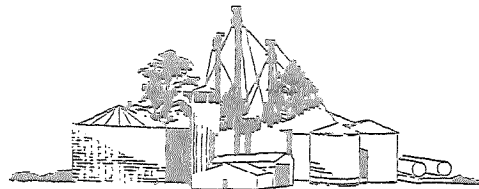


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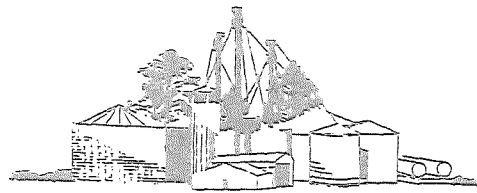
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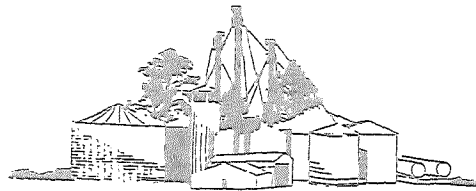
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