

STATE OF IOWA
DEPARTMENT OF NATURAL RESOURCES
Water Supply Engineering Section
502 E 9th Street
Des Moines, Iowa 50319

Cc - Matt Culp
(Contaminated Sites)

CON 12-15
Doc #30812

WATER SUPPLY
CONSTRUCTION PERMIT

CITY OF TRIPOLI
ATTN: DENIS DUCKER
303 S MAIN, PO BOX 587
TRIPOLI IA 50676

Permit No.: 2015-0239W
Project No.: W2015-0249
PWSID No.: 0975032

In accordance with the provisions of Sections 455B.173(9) and 455B.174(4) of the Iowa Code and 567—43.3(455B) of the Iowa Administrative Code, the Director of the Department of Natural Resources does hereby issue a permit for the construction of:

1,476 feet of 8-inch diameter and 4,081 feet of 6-inch diameter AWWA Standard C900 DR18 polyvinyl chloride (PVC) water main; and 606 feet of 6-inch diameter AWWA Standard C151 ductile iron (DI) water main with nitrile gaskets; including all associated appurtenances in accordance with the plans and specifications, for *Water System Improvements* project in Tripoli, Iowa. This permit includes Addendum 1.

Note:

- 1. Department standards require that any water main installed in areas of groundwater contaminated by organic compounds must be constructed of materials which do not allow permeation of these compounds into the drinking water supply.***

NOTICE: The issuance of this construction permit is based SOLELY on the engineer's certification that all aspects of design included in the project meet the requirements of all applicable state and federal laws and regulations. An advisory review of the plans and specifications may be made at a later date.

Construction of the project shall be initiated within one year of issuance of this permit or this permit is no longer valid. Within thirty days after completion of construction, the permit holder shall submit a certification by a Professional Engineer licensed in Iowa that the project was completed in accordance with the approved project documents.

Pursuant to Section 455B.174.4, Code of Iowa, you have the right to appeal any condition of this permit by filing with the Director of the Department of Natural Resources a notice of appeal and request for administrative hearing within thirty days of receipt of this permit.

If you have any questions, please contact Sara Smith, PE via e-mail at sara.smith@dnr.iowa.gov or by telephone at (515) 725-0433.

For the Department of Natural Resources

Chuck Gipp, Director

By:



Environmental Services Division

Date:

April 10, 2015

cc: [] Ryken Engineering; Attn: Lee Gallentine PE; 739 Park Ave; Ackley IA 50601
[] Field Office No.: 1 (Manchester, Iowa)
[] LUST site No. 7LTX45
[] File: PWSID No. 0975032

TRIPOLI – 2015 WATER MAIN IMPROVEMENTS W2015-0249

03/27/2015

- Received letter from engineer and UN forms. Proposing 6,083 LF of 6" and 8" PVC water main replacement.
- Work area within 500 ft of LUST sites 7LTX45, 9LT196 and 7LTC92.
- 7LTX45 "Cedar Valley Farm Services" poses challenges, so went to talk to Ruth Hammel, LUST coordinator. Ruth said there is no information on site, because all information was forwarded to contaminated sites.
- Went to talk to Matt Culp of contaminated sites:
 - Matt provided letter and monitoring report, and recalls visiting the site around 2001/02, along with Bob Dustrap (retired). Matt explained that monitoring has ceased due to contaminants have been slowly decreasing in concentration below Tier II. However, benzene still shows concentrations around 1800 ppb.
 - Matt also explained the reason for the contaminated sites classification was due to fumes from site. Also, the contaminants moved west toward 2nd St and then North, toward creek. It then contaminated the sewage lagoons and killed the bacteria.
 - Matt also recalls that during visit, a water main broke on 2nd St and because water main is located on west side of street, they observed a sheen on the GW/high water table.
 - Recommended to use DIP with nitrile gaskets, from near Railroad Ave to 2nd St north until the bridge.
- Sara explained engineer, who will talk to the city. Engineer said this will significantly increase the cost of the project.
- Pending.

Update: 04/09/2015

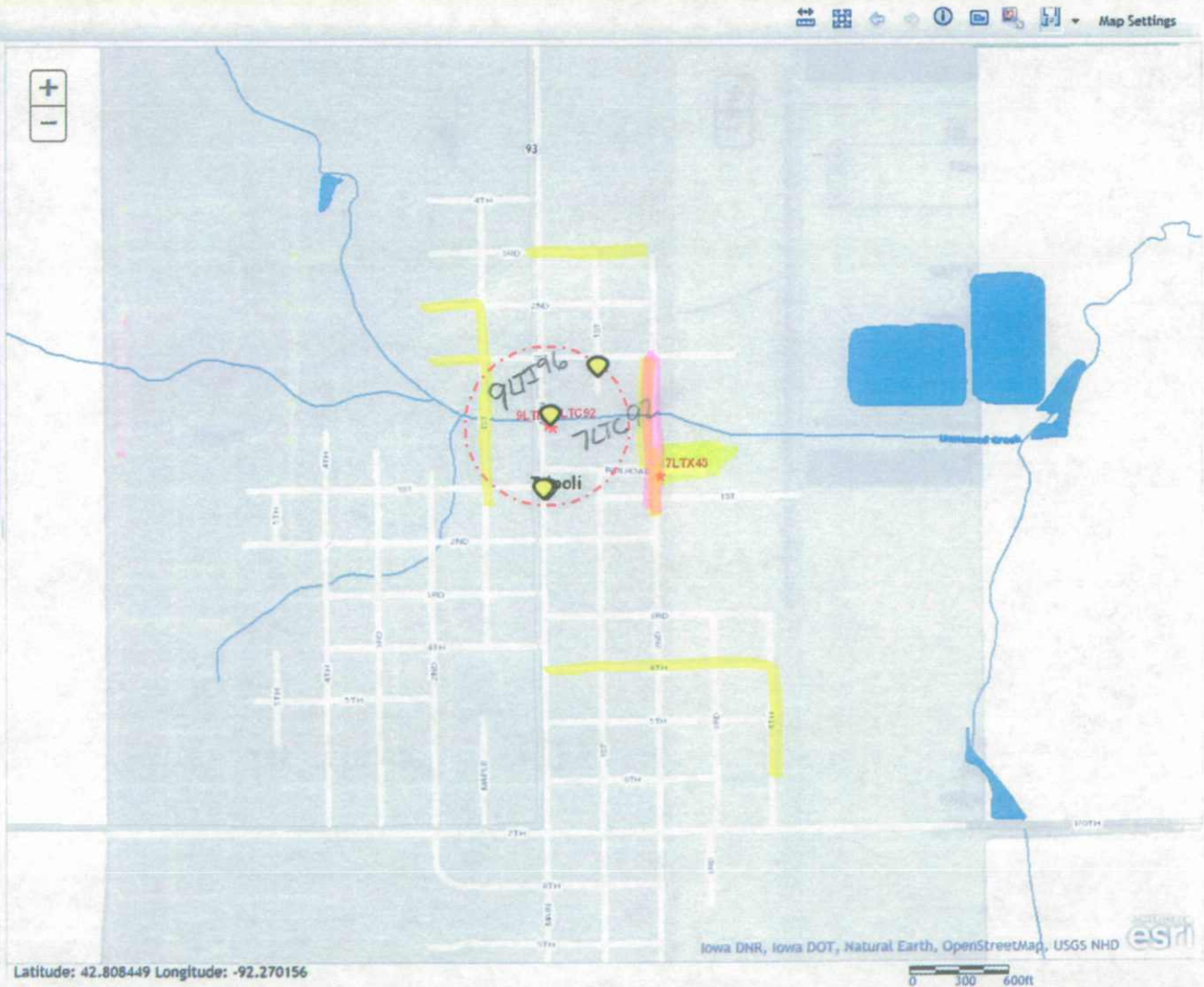
- We received amended plans, city now proposes to use DIP with nitrile gaskets on about 606 LF of the water main on 2nd St, near the contaminated site. Project will be constructed per SUDAS 2015. Application is now complete.

Found 4 locations

Search

Facility	Owner	Zoom To	Radius
Radius: 500 feet			
Program: Above Ground Storage Tank-AST Air-Dry Cleaner Air-Feed Mill			
<input checked="" type="radio"/> Or <input type="radio"/> And			
View Results: <input type="radio"/> As a List <input checked="" type="radio"/> On a Map			
Set Center Point Clear results / map			

- Layers
- Clear
- Environmental Facilities
 - Air
 - Air Emission Points
 - Animal Feeding Facility
 - Confinement
 - Open Feedlots
 - Contaminated Sites Facility
 - Solid Waste Facility
 - Solid Waste Land Application
 - Tier II Chemical Storage Facility
 - Underground Storage Tank Facility
 - Above Ground Storage Tank Facility
 - Leaking UST
 - Wastewater NPDES Facility
 - Wastewater Treatment Plant
 - Wastewater Outfall
 - Wastewater Industrial Contributor
 - Storm Water Facility 1 - Industrial
 - Storm Water Facility 2 - Construction



DIP with
nitrite Gaskets main
PVC Water main

Printed by: Sara Smith

Project: W2015-0240

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Found 4 locations

Search

Facility Owner Zoom To Radius

Radius: 500 feet

Program:

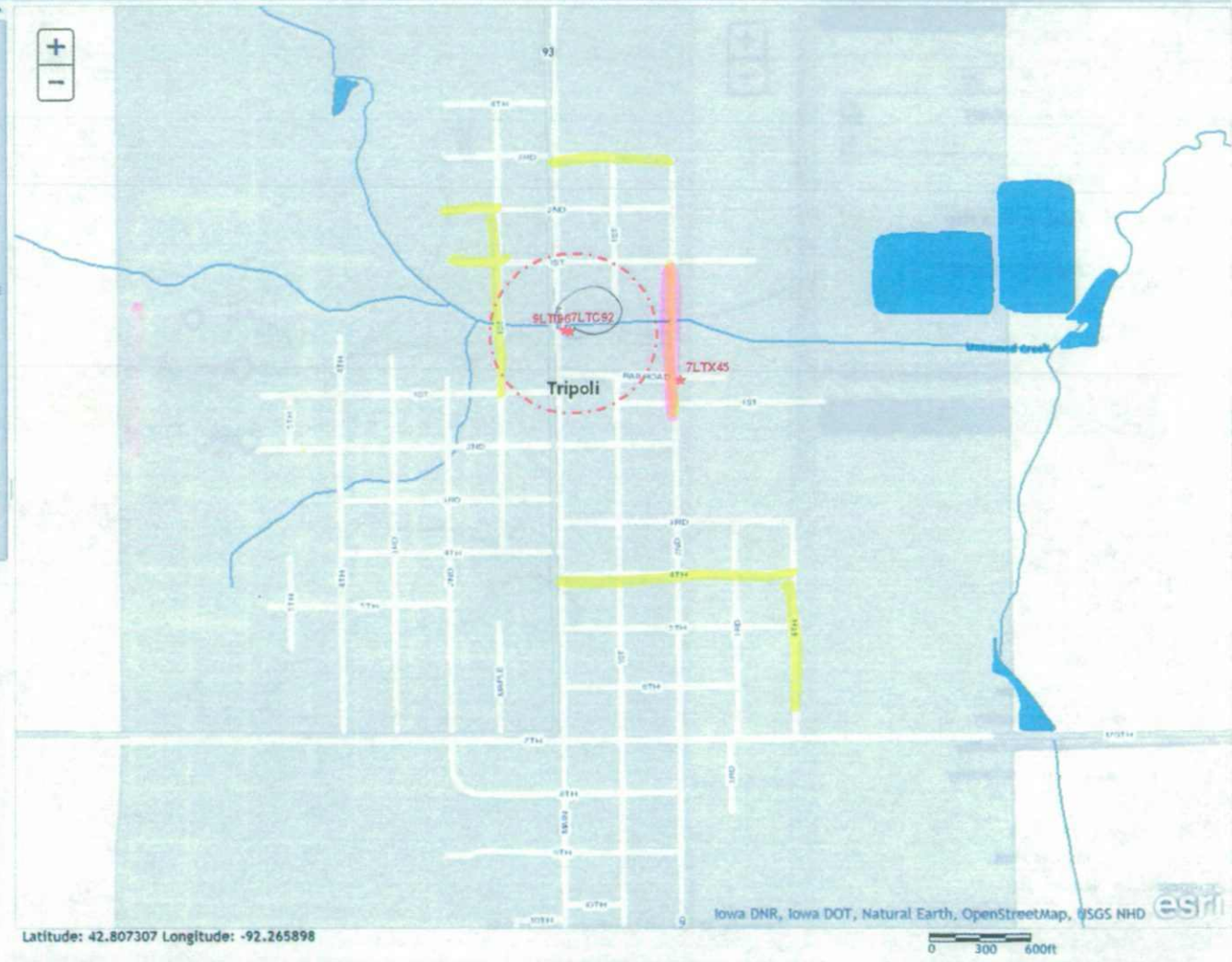
- State Facility ID
- Above Ground Storage Tank-AST
- Air-Dry Cleaner
- Air-Feed Mill

Or And

View Results: As a List On a Map

[Set Center Point](#) [Clear results / map](#)

- Layers**
- [Clear](#)
- Environmental Facilities
 - Air
 - Air Emission Points
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 - Confinement
 - Open Feedlots
 - Contaminated Sites Facility
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Found 8 locations

Search

Facility Owner Zoom To Radius

Radius: 500 feet

Program:
 State Facility ID
 Above Ground Storage Tank-AST
 Air-Dry Cleaner
 Air-Feed Mill

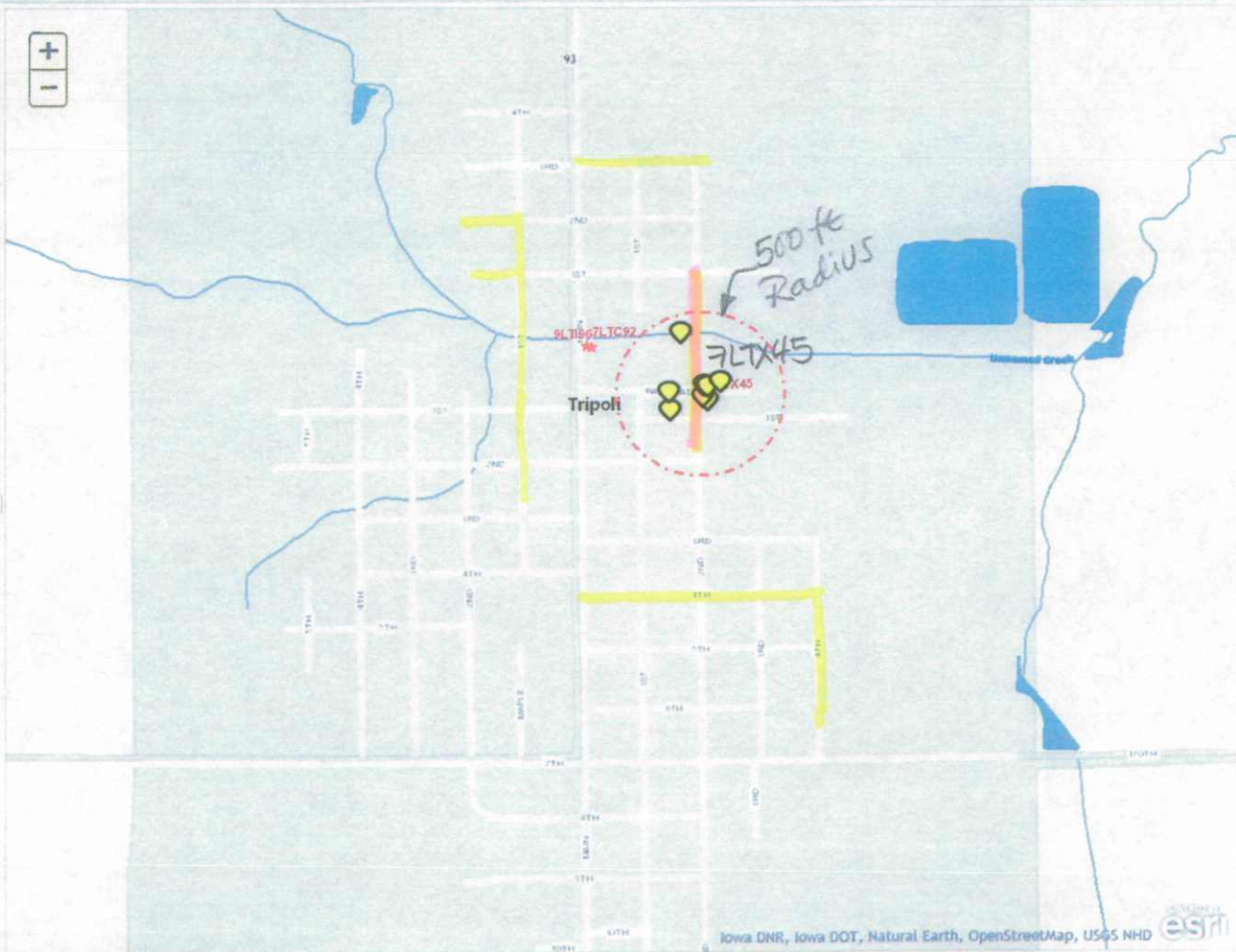
Or And

View Results: As a List On a Map

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Layers

- [Clear](#)
- Environmental Facilities
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Map Settings

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