



# AMERESCO, INC.

CONSULTING • ENGINEERING • PROJECT MANAGEMENT ©  15

May 27, 2011

Mr. Jeffrey C. Teagarden  
Dore and Associates Contracting, Inc.  
900 Harry S. Truman Parkway  
Bay City, Michigan 48706

**Re: UST Closure  
Summary of Activities  
Studebaker Phase IV  
Project # - 11.2529.3**

Dear Mr. Teagarden,

Attached, please find the Project Narrative kept by Ameresco Inc. and photographic documentation. Ameresco provided oversight during the removal of the underground storage tanks (USTs) on May 26, 2011 and June 1, 2011, as well as, sampled the USTs for combustible compounds. This was conducted to ensure the health and safety of those involved in the removal process.

Ameresco oversaw the removal of the USTs 1, 2, 3, 4, 5, and 7 from the ground on May 26, 2011. Dore and Associates removed these USTs from the earth and staged/stabilized the tanks for cleaning. This is to be completed by Dore & Associates at a later date, prior to disposal. The USTs were labeled to complete the removal process for the day.

On June 1, 2011 Ameresco oversaw the removal of USTs 6 and 8 from the earth. Similar to the previous tanks, the USTs were removed, stage/stabilized for cleaning and disposal. On June 1, 2011 Ameresco also observed that the previous USTs had been cut open for access and cleaning. Cleaning had yet to be performed, but was anticipated to be completed shortly.

Be advised that the USTs should be cut up, crushed, or removed from the site as promptly as possible after vapor-freeing procedures have been completed. If the USTs are to be transported intact, sufficient holes should be made in the tanks to render them unfit for further use. Some of the USTs have holes in them at this time; however, additional holes are recommended.

Please call if you have any questions or if we can be of further assistance.

Respectfully submitted,

  
Zachary Heine  
Environmental Manager  
State of Indiana Certified for UST Decommissioning  
Certificate #UC20098078  
Expiration: 03/20/2013





International Code Council  
 500 New Jersey Avenue, NW  
 Washington, DC 20001

The individual named hereon is CERTIFIED in the categories shown, having been so certified pursuant to successful completion of the prescribed written examinations.

*Zachary K Heine*

Not valid unless signed by certificate holder.  
 ICC Certification attests to competent knowledge of codes and standards.

State of Indiana  
 Underground Storage Tank  
 Certification

Name <b>ZACHARY K HEINE</b>	
Certified as: <b>DECOMMISSIONING</b>	
Certification number <b>IJC20098078</b>	
Date of issue <b>04/05/2011</b>	Expiration date <b>03/20/2013</b>



WALLET CARD State Form 45072 (R / 1-93)

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## Project Narrative

May 26, 2011

10:50 AM Amereco arrives onsite. All USTs have been uncovered and pumped of liquids. USTs have limited residual fluids. UST-8 was discovered post UST pumping; therefore, has remaining product within.

11:00 AM Begin testing USTs for explosive characteristics (LEL and O<sub>2</sub>) using a calibrated Industrial Scientific M40 Multigas Meter. Readings are recorded and made available for Dore & Associates (Dore). Readings as follows:

UST Number	O <sub>2</sub> Reading	LEL Reading
1	20.9%	0%
2	20.9%	0%
3	20.9%	0%
4	17%-19%	7%
5	20.9%	0%
6	Not Sampled Due to Pump Malfunction	
7	20.9%	0%
8	20.9%	0%

All USTs, except UST-6 due to no reading, are safe for removal. Although below 10% LEL, the manhole cover is removed from UST-4 to retest when new, operable meter arrives. Upon opening the manhole cover, a chamber within the UST is identified, in which the initial reading was taken. Therefore, retesting will be conducted upon arrival of a new meter. UST-4 will not be disturbed until a test is taken. Additional readings will be taken throughout the removal process to ensure that conditions do not change.

11:15 AM After testing 7 of the 8 USTs identified, meter pump becomes nonoperational. Will have new meter sent out to test remaining UST.

11:30 AM Dore begins removal of UST-1 (see attached site plan for locations of specific USTs and correlating numbers).

11:45 AM Cable breaks during removal of UST-1. Project halted while new cable is picked up. Break for lunch while waiting for new cable slings to arrive.

1:15 PM New cable(s) arrives. Continue removal of UST-1.

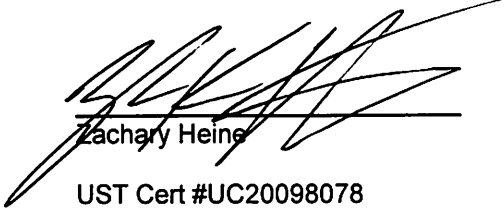
1:20 PM UST-1 is removed from excavation and staged/stabilized for cleaning and destruction. UST is demarked with proper label, as cleaning/destruction will occur at later date.



- 1:30 PM To ensure ease of removal of remaining USTs, a sloped ramp is constructing using existing soils. The excavator onsite does not have the capacity to remove the USTs by lifting, thus the ramp will be necessary to remove by dragging.
- 2:20 PM UST-2 is dislodged from earth.
- 2:30 PM UST-2 is removed from excavation and staged/stabilized for cleaning and destruction. UST is demarked with proper label, as cleaning/destruction will occur at later date.
- 2:50 PM Dore begins excavating around UST-3 to dislodge for removal.
- 3:20 PM UST-3 is removed from excavation and staged/stabilized for cleaning and destruction. UST is demarked with proper label, as cleaning/destruction will occur at later date.
- 3:40 PM New Industrial Scientific M40 Multigas Meter arrives. Amereco retests UST-4 following removal of manhole cover and tests UST-6. Results as follows:

UST Number	O <sub>2</sub> Reading	LEL Reading
4	20.9%	0%
6	20.9%	0%

- 4:00 PM UST-7 dislodged for removal. UST is demarked with proper label, as cleaning/destruction will occur at later date.
- 4:20 PM UST-7 is removed from excavation and staged/stabilized for cleaning and destruction. UST is demarked with proper label, as cleaning/destruction will occur at later date.
- 4:45 PM Soil within excavation is moved to allow access to UST-4.
- 5:20 PM UST-4 straps are removed and UST is dislodged from ground.
- 5:40 PM UST-4 is removed from excavation and staged/stabilized for cleaning and destruction. UST is demarked with proper label, as cleaning/destruction will occur at later date.
- 5:50 PM Soil is moved in excavation for access to UST-5.
- 6:10 PM UST-5 straps are remove and UST is dislodged from earth.
- 6:25 PM UST-5 is removed from excavation and staged/stabilized for cleaning and destruction. UST is demarked with proper label, as cleaning/destruction will occur at later date.
- 6:30 PM UST Removal is completed for today. UST 7 & 8 will be removed at a later date, likely 6/1/2011.
- 6:35 PM Dore to secure site, Amereco offsite.



Zachary Heins

UST Cert #UC20098078  
Exp Date: 03/20/2013



## Project Narrative

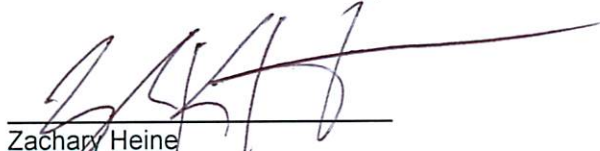
June 1, 2011

- 1:00 PM Amereco arrives onsite. Remaining USTs have been uncovered and pumped of liquids. USTs have limited residual fluids. Dore & Associates on lunch and have additional task to complete prior to UST removal. Amereco will take lunch and return for UST closure.
- 1:30 PM Begin testing USTs for explosive characteristics (LEL and O<sub>2</sub>) using a calibrated Multigas Meter. Readings are recorded and made available for Dore & Associates (Dore). Readings as follows:

UST Number	O <sub>2</sub> Reading	LEL Reading
6	20.9%	0%
8	20.9%	0%

All USTs are safe for removal.

- 1:40 PM Dore begins to excavate suspect contaminated soil (discolored and odorous) around UST-8. Suspected contaminated soil is placed on 6-mil plastic adjacent to excavation. UST shall be placed on 2 layers of 6 mil plastic upon removal.
- 2:10 PM UST-8 is dislodged from earth.
- 2:15 PM UST-8 is removed from excavation and staged/stabilized for cleaning and destruction. UST is demarked with proper label, as cleaning/destruction will occur at later date.
- 2:30 PM Dore begins excavating around UST-6 to dislodge for removal.
- 2:45 PM UST-6 is removed from excavation and staged/stabilized for cleaning and destruction. UST is demarked with proper label, as cleaning/destruction will occur at later date.
- 3:00 PM UST Removal is completed for today. All exposed USTs have been removed from excavation and staged for cleaning and disposal.
- 3:30 PM Dore to secure site, Amereco offsite.

  
Zachary Heine

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TANK # 8 5' dia x 10' long = 14109 gal 26" water = 610 gal water in tank



Foundry Bldg  
 TRAFFIC 5-23-11

