

**Long Term Stewardship Report
GE Lancaster, 1350 Pleasure Road, Lancaster, PA**

November 18, 2014

EPA web fact sheet : <http://www.epa.gov/reg3wcmd/ca/pa/webpages/pad003026903.html>

Site visit: October 24, 2014

A. Pre-Inspection Items

Prior to the site visit, the following pertinent documents were reviewed to ensure remedial components are adequate and up to date:

1. 12/16/1988 3008(h) Order
2. Revised Statement of Basis for Proposed Corrective Measures
3. 9/30/1992 Final Decision and Reponse to Comments (FDRTC)
4. 2012 Comprehensive Monitoring Evaluation Inspection
5. 2010 O&M Plan
6. 2010 Sampling and Analysis Plan

In addition, financial assurance state of the facility was confirmed; EPA fact sheets, links and mapping documents were reviewed and updated; and a site visit was coordinated with the facility and PADEP. A meeting with the City of Lancaster officials will be scheduled at a future date. This meeting will include a briefing on RCRA Corrective Action sites within Lancaster.

B. Site visit

1. Attendees

| Name | Affiliation | Phone |
|-------------------|--------------------|--------------|
| Linda Matyskiela | EPA | 215.814.3420 |
| Joel Hennessy | EPA | 215.814.3390 |
| Paul Gotthold | EPA | 215.814.3410 |
| Cat Blankenbiller | EPA | 215.814.3464 |
| Serena Oldhouser | PADEP | 717.705.4912 |
| Linda Houseal | PADEP | 717.705.4919 |
| Lance Hauer | GE | 610.992.7972 |
| Jason Daliessio | Tetra Tech | |
| J.B. Moore | Tetra Tech | |
| | | |

2. Introductions and purpose of visit

3. File review

Does the facility have a copy of:

- a. 12/16/1988 3008(h) Order Y X N ___
- b. 9/30/1992 Final Decision and Reponse to Comments (FDRTC) Y X N ___
- c. Current NPDES permit Y X N ___
- d. 5/30/2008 PADEP Post Closure Order Y X N ___
- e. Inspections of Upper Quarry and Lower Lagoon Y X N ___
- f. 2010 O&M Plan Y X N ___
- g. 2010 Sampling and Analysis Plan Y X N ___

4. Site Walk

a. Assess locations and conditions of GWRTS components:

1. Air stripper, piping, outfall, and other treatment components: All components were visible and accessible.

2. Well Network

| Sampling Point | Location | Condition |
|-------------------------|----------|-----------|
| 18 (pumping? y/n) | | |
| GW-9001 (pumping? y/n) | | |
| GW-9004 | | |
| GW-9006 (pumping? y/n) | | |
| GW-9008 | | |
| AW-4 | | |
| Spring 1 (pumping? y/n) | | |
| 5 | | |
| 10D | | |
| 14 (pumping? y/n) | | |
| | | |
| | | |

b. Assess location and condition of Upper Quarry

- 1. Cap integrity YES
- 2. Adequate vegetation YES
- 3. Location As on Maps in Annual Reports submitted to EPA

c. Assess location and condition of Lower Lagoon

- 1. Cap integrity YES
- 2. Adequate vegetation YES
- 3. Location As on maps in Annual Reports submitted to EPA

5. Questions/discussion:

- a. Is there any deed restriction language/covenant for the property? **No.**

- b. Is GE interested in discussing a covenant for the property? **Not at this time.**

- c. Does the PADEP designation of non-use aquifer for Lancaster cover this property? **YES, as it is within the City of Lancaster boundaries. However, EPA and PADEP Orders do not reference NUAD.**

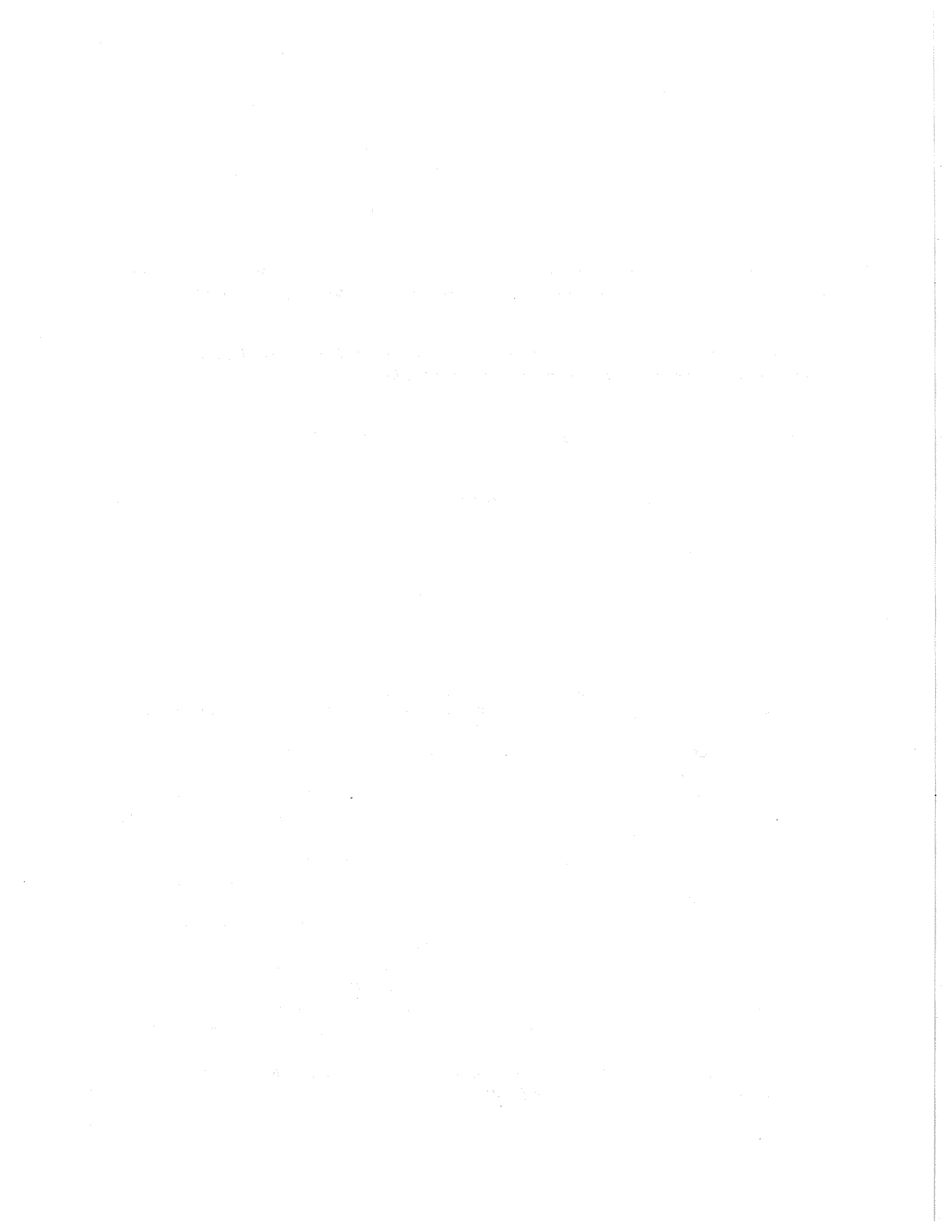
- d. Are there any other ordinances that put restrictions on land use or GW use? **Municipal GW restrictions. EPA Order has GW use and cap area-use restrictions.**

- e. Any modification to GWRTS or landfill caps needed? anticipated? **No. No.**

- f. Any GIS info/data still needed by EPA? PADEP? **No.**

Overarching LTS-goal questions to keep in mind during site visit:

- Have the ECs specified in the CA remedy been fully implemented and constructed in accordance with any applicable plans and schedule? **YES.**
- Are the ECs fully intact? Any damage visible? Have any repairs been necessary?
Intact/Undamaged
- Do the ECs provide control for the entire extent of contamination (lateral and vertical)? **YES**
- Are the ECs effective at reducing contaminant migration? Is data available to provide supporting evidence? **YES. Info available in Annual Reports.**
- Are the ECs eliminating or mitigating exposures to all potential receptors? **YES**
- Are the ECs sufficiently meeting the risk goals and applicable standards specified in the CA remedy? **YES**
- Are the ECs effective and reliable for the activities (current and future) and climatic conditions at the property to which the controls are applied? **YES**
- Are the ECs reliable during the period/length of time which the controls are used to achieve and maintain applicable standards specified in the CA remedy? **YES**
- Are the ECs being monitored and maintained as required by the O&M plan or agreement developed in accordance with the CA remedy in order to ensure that the controls remain effective? **YES**
- Are additional ECs necessary to achieve the intended goals of the CA remedy? **NO**
- Are modifications to the ECs needed? **NO**



2. Well Network

| Sampling Point | Location | April 2014 TCE |
|------------------------------------|------------------|----------------|
| 18 (pumping? y/n) YES | <i>as on map</i> | 110 |
| GW-9001 (pumping? y/n) YES | <i>as on map</i> | 2200 |
| GW-9004 | <i>as on map</i> | 83 (92) |
| GW-9006 (pumping? y/n) YES | <i>as on map</i> | 590 |
| GW-9008 | <i>as on map</i> | 16 |
| AW-4 | <i>as on map</i> | 58 |
| Spring 1 (pumping? y/n) YES | <i>as on map</i> | 91 |
| | | |
| 5 | <i>as on map</i> | 84 |
| 10D | <i>as on map</i> | 1.7 |
| 14 (pumping? y/n) YES | <i>as on map</i> | 1.6 |
| | | |
| | | |

| Goals in Order | 2 | 70 cis, 100 trans | 5 | 5 | | |
|----------------|-------------|-------------------|---------------|---------|-------------|---------------|
| Location | Sample Date | VC | 1,2-DCE | TCE | PCE | TVOCs* |
| *GW-9001 | Apr-14 | <10 | 1200 | 2200 | <10 | 3400.0 |
| GW-9004 | Apr-14 | 13 (10) | 302.1 (312.8) | 83 (92) | <0.5 (<2.5) | 398.1 (414.8) |
| *GW-9006 | Apr-14 | <2.5 | 130 | 590 | 25 | 745.0 |
| GW-9008 | Apr-14 | 45 | 131.1 | 16 | <0.5 | 192.1 |
| 5 | Apr-14 | 1200 | 5508.4 | 84 | <0.5 | 6792 |
| 10D | Apr-14 | 1.1 | 29 | 1.7 | <0.5 | 31.8 |
| *14 | Apr-14 | 1 | 38 | 1.6 | <0.5 | 40.6 |
| *18 | Apr-14 | <0.5 | 24 | 110 | 13 | 147.0 |
| *SPRING-1 | Apr-14 | <0.5 | 15 | 91 L | 1.1 | 107.1 |
| AW-4 | Apr-14 | 4.8 | 43.2 | 58 | <0.5 | 106.0 |

* = pumping

ANNUAL MONITORING WELLS

| Goals in Order | | 2 | 70 cis, 100 trans | 5 | | |
|----------------|-------------|------|-------------------|------|------|--------|
| Location | Sample Date | vc | 1,2-DCE | TCE | PCE | TVOCs* |
| GW-9007 | Oct-13 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| 6 | Oct-13 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| 7D | Oct-13 | 1.9 | 1.9 | <0.5 | <0.5 | 3.8 |
| 11S | Oct-13 | 0.7 | 2.2 | <0.5 | <0.5 | 2.9 |
| 12D | Oct-13 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| 15 | Oct-13 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| AW-3 | Oct-13 | 0.6 | <0.5 | <0.5 | <0.5 | 0.6 |