

DAILY QUALITY CONTROL REPORT

DATE

30 April 2015

DAY

| | | | | | | |
|---|---|---|---|----|---|---|
| S | M | T | W | TH | F | S |
|---|---|---|---|----|---|---|

USEPA RPM: Scott Miller

WEATHER

| | | | | |
|-------|---------------|----------|------|----------|
| Clear | Partly Cloudy | Overcast | Rain | Fog/Haze |
|-------|---------------|----------|------|----------|

PROJECT: Cabot Supplemental Hawthorne Investigation

TEMPERATURE

| | | | | |
|-------|-------|-------|-------|-------|
| to 32 | 32-50 | 50-70 | 70-85 | 85-up |
|-------|-------|-------|-------|-------|

WIND

| | | | | |
|-------|------|------|--------------|--|
| Still | Mod. | High | Report No. 3 | |
|-------|------|------|--------------|--|

CONTRACT: EP-S4-08-03

HUMIDITY

| | | |
|-----|------|-------|
| Dry | Mod. | Humid |
|-----|------|-------|

TASK:

Oversight of Cabot Supplemental Hawthorne investigation

DAY-SPECIFIC TASK:

- Environmental Drilling Services (EDS) crew completed installation of first formation isolation casing and grouting at HG – 37D.
- Completed borehole to total well depth (49') and coring samples at HG – 38S.
- Weston personnel onsite; Mark Taylor (Project Manager) and Ed McKay (Field Geologist).

PERSONNEL ON-SITE:

- J.M. Waller
 - Joshua Hayes
- Environmental Drilling Services (EDS)
 - 5 laborers
- Weston
 - Mark Taylor
 - Ed McKay

EQUIPMENT ON-SITE:

- 1 DPT rig
- 1 rotary rig
- 1 skid steer
- 1 cargo truck
- 1 work truck

WORK PERFORMED:

Site Weather – Partly cloudy, high 80°F, low 60°F.

0800 – Arrived onsite. Drilling crew has encountered layers of concrete and asphalt at 7' – 10' at HG – 37D. Drilling is slow going.

0930 – Borehole at HG – 37D will be abandoned since rotary rig cannot push through concrete debris at 10'. A new borehole will be advanced approximately 8' to the north.

0945 – Mark Taylor (Weston) is installing a temporary well at a depth of ~4' near the HG – 38 cluster to collect a sample of near surface groundwater. The intent of collecting this sample is to investigate the petroleum odor noted earlier in the drilling of HG – 38 wells.

1000 – EDS has begun a new borehole for HG – 37D.

1500 – Slow progress in the drilling of the borehole for HG – 37D.

1600 – Borehole completed at HG – 37D to depth of 33'. Isolation casing will be installed soon.

1730 – Isolation casing and grouting completed at HG – 37D. Leaving site.

QUALITY CONTROL ACTIVITIES:

Weston project manager (Mark Taylor) and field geologist (Ed McKay) onsite to oversee EDS crew. J.M. Waller oversight personnel onsite.

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

- All activities performed in routine Level D PPE.

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PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

- Concrete debris encountered at HG – 37D preventing advancement of borehole. Borehole was abandoned and a new borehole was advanced approximately 8' to the north of the original location.

SPECIAL NOTES:

- Weston has installed a temporary well near the HG – 38 cluster to investigate petroleum odors encountered there during well installations. Samples were collected by Weston employees.

EXPECTATIONS FOR May 1, 2015:

- EDS crew will continue well installations at HG – 37S, HG – 37D, HG – 38S, and HG – 38D.

PREPARED BY : Joshua Hayes REVIEWED BY : Tim Turner

