

Energy and Environment Cabinet
Kentucky Department for Environmental Protection
Division of Waste Management

Activity: CRV20140007 Groundwater Report Review

Lead Investigator: Francis, Kevin

Agency Interest/Permit ID: 998

Agency Interest Name: Advanced Disposal Services Blue Ridge Landf

Agency Interest Address: 2700 Winchester Rd

Irvine, KY 403369701

Program: Solid Waste

County: Estill

Type of Agency Interest: WASTE- Solid Waste Landfill (562212)

Agency Interest Contact:

Title:

Phone:

Purpose: Groundwater Report Review

Inspection Type: SW Groundwater Report Review

Inspection Date: 10/08/2014

Start Time: 12:00 AM

End Time: 12:00 AM

Latitude: 37.72666700

Longitude: -83.98555600

Coordinate Collection Method:Decimal Degrees

Incident ID(s):

General Comments:

Review of the third quarter monitoring report submitted to Cabinet on September 9, 2014 with a sample date of July 8, 2014. During the third quarter monitoring event no parameters that were examined using control charts exceeded their respective limits except for a CUSUM exceedances at monitoring well MW-7 and MW-15R for conductivity, and at MW-15R for TDS. For parameters that do not fit the assumption necessary to perform control charts analysis were analyzed using intra well prediction limits.. For the third quarter monitoring event concentrations of chloride and TDS in the sample collected from MW-7 exceeded their respective prediction limits. Confirmation samples will be scheduled with facility at MW-7 for chlorides, TDS, and conductivity.

Also an MCL exceedance occurred at upgradient well MW-17R for benzene during the second quarter MW-17R is completed in the New Albany Shale, which is an oil bearing black shale. Likely the exceedance is the result of natural occurring oil deposits. The exceedance for benzene was not confirmed during the third quarter event. Note that the upgradient well on site MW-17R has had elevated chloride levels of 3929 mg/l in the past.

Person(s) Interviewed:

Name	Organization	Date:
Investigator:	Title:	Date:

- N - N-Not Applicable
- E - E-Not Evaluated
- V - V-Out of Compliance-NOV
- C - C-No Violations observed
- I - I-No Violations obs-but impending viol trends obs
- D - D-Out of Compliance-Violations Documented
- O - O-Out of Comp-LOW non-recurrent Adm. or O&M

Received By:

Title:

Date:

Delivery Method: