

Posted: 09/08/2011

UPDATE: Report Submittals with the Water Line Pathway Evaluation

This is intended to be an update to the 10/8/10 posting.

Site Monitoring Reports containing 2010 data have not been submitted for some sites in anticipation of the release of the new software. Even though the release of the new software, which incorporates the 9/29/10 revisions to 567 IAC chapter 135 water line receptor pathways, has been delayed and the release date is unknown, the DNR is requiring Site Monitoring Reports containing current data for 2011. Additionally, the DNR will no longer grant report submittal time extensions in anticipation of the new software. Please contact the DNR project manager to determine the report due date, as due dates may have changed.

The Water Line Pathway evaluation should be included as an appendix to all the 2011 Site Monitoring Reports. If the 2011 Site Monitoring Report has already been submitted an addendum containing the Water Line Pathway needs to be submitted.

The 10/8/10 posting outlined several options for evaluating water line receptors. For instance, without revised software, the following; more conservative models could be utilized for groundwater and soil leaching evaluations:

- DWW for BTEX chemicals (5, 1000, 700, 10000 ppb) for PE/PB/AC Mains and Services (200, 3120, 3400, 19000 ppb);
- DWW for T (1,000 ppb) and X (10,000 ppb) for PVC or Gasketed Services (T-3120; X-24000 ppb) and Mains (T-6250 ppb; X-48,000 ppb);
- NDWW for E (3700 ppb) for PVC or Gasketed Services (20,000 ppb);
- NDWW for E (3700 ppb) for PVC or Gasketed Mains (40,000 ppb);
- GWV to SSR for B (3080 ppb) for PVC or Gasketed Services (3750 ppb);
- GWV to CSNR for B (4780 ppb) for PVC or Gasketed Mains (7500 ppb).

The DNR recognizes the site specific target levels generated using these alternative approaches may be more restrictive. Therefore, in those situations where use of the more conservative models fails to clear receptors, further evaluation may be necessary before determining appropriate corrective action for water line receptors.

Soil to water line may be re-evaluated utilizing the soil plume contour package provided in the Tier 2 software. An additional 10' distance outside the contoured plume is required for the receptor identification plume.

Refer to 10/8/10 groundwater professional bulletin board posting for additional technical guidance

If you have questions please feel free to contact Elaine Douskey (515)281-8011 or elaine.douskey@dnr.iowa.gov

www.iowadnr.gov