

Adding Water Lines and Other New Receptors in the Iowa DNR

On-Line Risk-Based Corrective Action Application

Water lines at many LUST sites have been assessed using conservative target levels as directed in transition guidance. Additionally, some sites have not had a full water line evaluation completed in expectation of using the new RBCA on-line application (application) once available, or might simply require the addition of newly discovered receptors. Water line receptors must be added to the Tier 2 model of the application for all LUST sites where risk is either high, low, or unassessed due to the fact that water line receptors were given new designations in 2011 and previous versions of the RBCA software do not allow for specific water line construction materials.

The following steps are to be completed at all sites where the water-line risk must be evaluated, or other new receptors need to be added. For existing sites where water lines are at risk, the individual receptors will need to be entered and pathway evaluation completed in the new application. It was not possible to upload water line receptor names or X, Y data to the new application because of changes in how the lines are categorized. If a site has current risk for water lines, it will likely be necessary to add them and assess them in the new application. Your DNR project manager can provide additional guidance and assist with site-specific decisions.

All high and low risk LUST sites (as of March, 2017) were uploaded to the RBCA online application database. Each one will have the most recent Tier 2 and the most recent SMR available online in the application. The Tier 2 report was uploaded as a finished file and cannot be edited (this was required in order to upload the SMR). The application SMR file is pre-populated with data and selections from the old software file and open for editing. New receptors can only be added in the Tier 2 module (the same as previous versions of the software); a revision of the Tier 2 will be required. ***For the following steps, use only the Tier 2 and do not modify or alter the SMR file present in the application.***

To add water line receptors (or any other new receptors), use the following workflow:

1. Search for the site in question and view the reports. There should be one Tier 2 and one SMR initially.
2. Click the "Revise" option in the Tier 2 row. The application will ask what data you would like to import from the SMR. Select "None" if you are only adding water lines or another new receptor. Select "Groundwater", "Soil Gas", or "Both" as necessary if you are completing a DNR-approved Tier 2 remodel and have been cleared to import the SMR data into the Tier 2 revision.
3. Add water lines or other receptors as needed.

4. DO NOT add *new* groundwater or soil data at this time (in the Tier 2 module) unless directed to do so by the DNR project manager. Adding new data in the Tier 2 module will affect SSTLs and potentially risk for previously evaluated receptors.
5. Perform monitoring well selection and pathway evaluation as-normal (for the new receptors only).
6. Check the Tier 2 monitoring plan to make sure the expected receptors and monitoring wells are correct.
7. Click “Submit” on the revised Tier 2.
8. Click “New SMR” and indicate that you would like to import groundwater data (and soil gas data if applicable) from the previous SMR when prompted. A new SMR will be created containing the receptors previously entered into the revised Tier 2, **and** the groundwater and soil gas data from the uploaded SMR (most recent SMR).
9. Add any new groundwater or soil gas data at this time and process the SMR as usual.
10. Submit the SMR after all parts are complete. This SMR will now include the latest groundwater and soil gas data along with the water line receptors (and any other new receptors entered). Both the revised Tier 2 file and the SMR file will be available for DNR review.