

## What's New to the May 2019 NC DEQ Risk Calculator

This update summarizes changes to the NC DEQ Risk Calculator and keeps users informed of changes to exposure parameters, equation formats, and any other calculation changes.

### May 2019 Calculator Updates

1. The May 2019 NC DEQ Risk Calculator has been updated with the revised US EPA Regional Screening Levels (RSL) information from May 2019. Changes in toxicity values can be found on the EPA RSL What's New web page at:  
<https://www.epa.gov/risk/regional-screening-levels-rsls-whats-new>.
2. The Risk Calculator Main Menu updates include:
  - a. links to the User Guide, PSRG Table, Risk Evaluation Equations and Calculations, and this What's New update;
  - b. combining the Soil and Subsurface Soil Exposure Point Concentration tables into one table (see User Guide for details);
  - c. simplifying nomenclature of the Direct Contact Soil and Water Calculators and the Contaminant Migration Worksheets to reduce confusion;
  - d. flagging the Protect/Unprotect buttons as NC DEQ Use Only and moving them to the bottom of the Main Menu; and
  - e. adding a Sitewide Risk output sheet (see User Guide for details).
3. Updates to the Complete Exposures Pathway sheet include:
  - a. having only the Resident and Non-Residential Worker Soil pathways (for Direct Contact Pathways) checked as "complete"; and
  - b. adding pop-up boxes to provide additional information when pathways for Resident Groundwater Use, Non-Residential Worker Groundwater Use, Construction Worker, or Recreator/Trespasser are checked as complete.
4. Updates to the Soil, Groundwater, and Surface Water Exposure Point Concentrations sheets include:
  - a. requiring that Total Chromium data be entered as Chromium (III) and/or Chromium (VI) based on speciated analytical results and site knowledge; and
  - b. adding a pop-up box that provides instruction for entering Chromium (III) concentrations.