



# Technical Memo

## Ground Water Limits Update - NJ

Updated: January 13, 2014

The EPA default Dilution-Attenuation Factor (DAF) used for calculating Impact to Ground Water Soil Remediation Standards has been updated from its previous value of 13 to a new value of 20. NJDEP adopted this change on December 13, 2013.

**This means that the default impact to ground water soil screening levels have been raised.**

This is not applicable to all compounds, as some compounds are still reported to the Soil PQL or health based standards.

These new limits are listed in an updated Soil-Water Partition Equation guidance document.

**The default Leachate Criteria, which are used in conjunction with the Synthetic Precipitation Leaching Procedure (SPLP) and the SESOIL simulation model, have also been raised.**

The new values for the Leachate Criteria are listed in an updated Synthetic Precipitation Leaching Procedure guidance document.

An updated Dilution-Attenuation Factor guidance document explains the basis of the new DAF value.

The updated guidance documents, along with new versions of the EXCEL spreadsheets can be found here:

<http://www.nj.gov/dep/srp/guidance/rs/>

The new spreadsheets now include the ability to calculate impact to ground water soil remediation standards for new (unlisted) chemicals.

***These changes are effective immediately and new criteria will show on IAL's RCS.***

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