

EIM Help – Entering Samples Analyzed by TCLP & SPLP

Version 2.2

May 2025

What is TCLP and SPLP?

The Toxicity Characteristic Leaching Procedure (TCLP) and Synthetic Precipitation Leaching Procedure (SPLP) are U.S. Environmental Protection Agency (EPA) laboratory test methods designed to determine the leaching potential or mobility of both organic and inorganic analytes present in solids, liquids and multiphasic wastes. They were originally designed to determine the leaching potential of landfill solids via the groundwater. Their use has expanded to other types of cleanup sites. These methods are discussed in the Model Toxics Control Act (MTCA, [WAC 173-340-747-\(7\)-Leaching Tests](#)).

When should I enter TCLP and SPLP data into EIM?

Yes – for environmental characterization

If you are using TCLP or SPLP test methods on your samples to characterize the environment, such as the leaching potential of soils at mining sites, the data can be submitted to EIM.

No – for waste disposal characterization

TCLP and SPLP are also used to characterize waste as either hazardous or non-hazardous for the purpose of disposal. If your samples are for waste characterization for disposal purposes, do not enter them into EIM per this document: EIM Help – [Data Not Entered into EIM](#).

How is this data different from other analytical data?

Both methods are [EPA SW-846](#) prep methods (SW1311 for TCLP, SW1312 for SPLP). They produce a leachate that is then analyzed using a standard analytical method, including both inorganic and organic methods.

Although a leachate is analyzed as a result of TCLP or SPLP extraction, *we enter the matrix and source of the original sample into EIM*.

The Result Value Units, however, should be that of the liquid leachate (e.g. ug/L).

How do I enter this data into EIM?

In addition to the standard requirements found in [EIM Result Template Help](#), follow these

guidelines when entering TCLP or SPLP data. All fields are required unless noted as optional.

- **Sample Matrix** (Column X): That of the original sample - usually Solid/Sediment
- **Sample Source** (Column Y): That of the original sample - usually Soil, Freshwater Sediment, Salt/Marine Sediment, or Brackish Sediment
- **Sample Preparation Method** (Column AB): Use SW1311 for TCLP or SW1312 for SPLP
- **Sample Method Other** (Column AC, optional): if you used an additional prep method such as SW3050B, enter that here
- **Result Value Units** (Column AN): Liquid units (weight per volume) such as ug/L or mg/L (because the leachate is a liquid)
- **Fraction Analyzed** (Column AT): Lab Leachate
- **Result Basis** (Column AV): Leave blank (because the leachate is a liquid)
- **Result Method** (Column AY): Laboratory method used to analyze the leachate sample. (ex. SW6010, SW7470, SW8270)

Document Revision History

| Revision Date | Revision No. | Summary of Changes | Reviser(s) |
|---------------|--------------|--|------------|
| 10/23/07 | 1.0 | Original Document | CN |
| 7/24/08 | 1.1 | Added sample fraction of "leachate." | CN |
| 10/01/08 | 1.2 | Updated references to spreadsheet column headings per data model change | CN |
| 11/06/09 | 1.3 | Updated references to spreadsheet column headings per data model change | CN, CL |
| 8/1/2013 | 2.0Draft | Now includes SPLP and changes to data entry per data model changes. No longer using concatenated TCLP-analytical result methods. | KC, CN |
| 8/11/17 | 2.1 | Updated formatting and links. Reorganized and rewrote sections for more clarity. | CN, EF, KC |
| 05/21/25 | 2.2 | Removed Digestion Method, we decommissioned that field. | KC |