

EIM Help – Water Levels in Wells with LNAPL

Version 1.1
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This is guidance for submitting well water level measurements to EIM when LNAPL (Light Non-Aqueous Phase Liquid or “floating product”) is present. In these cases both **depth to water** and **depth to product** measurements should be submitted.

Note: You can use either the **Water Level Template** or the **Result Template**. (Water Level Template is easiest). Some field names differ between the two templates. We list both names below (**Water Level Template / Result Template**).

Note: Video tutorials on submitting well water level measurements are available at the [EIM Groundwater Data Center](#).

Key EIM fields for wells with LNAPL

- **Water Level Parameter Name / Result Parameter Name:** Submit depth measurements for water AND product.

Depth to Water – pick one of these	
Water level in well (depth below top of well casing)	Use matching pairs when entering your data
Water level in well (depth below measuring point)	
Water level in well (depth below land surface)	
Depth to Product – AND one of these	
Depth to product (LNAPL) in well (depth below top of well casing)	Use matching pairs when entering your data
Depth to product (LNAPL) in well (depth below measuring point)	
Depth to product (LNAPL) in well (depth below land surface)	

Note: Depth below top of casing (TOC) and depth below measuring point *generally* refer to the same point on a resource protection well because TOC is normally the measuring point.

- **Field Collection Type:** Use **Measurement**. If you can’t get a measurement, use Observation. (See [Entering Observations](#) for more information).
- **Water Level Value / Result Value:** Submit measured depths to water AND product.
- **Water Level Qualifier / Result Data Qualifier:** Use **WLV** - “LNAPL (Light Non-Aqueous Phase Liquid) or other foreign substance on water in well” - for both depth to water and product measurements.
- **Water Level Accuracy:** Submit estimated accuracy for depth to water and product measurements.

Valid Values and Descriptions			
Feet		Meters	
WL2	Water level accurate to +0.01 ft	WL5	Water level accurate to +0.01 m
WL1	Water level accurate to +0.1 ft	WL4	Water level accurate to +0.1 m
WL0	Water level accurate to +1 ft	WL3	Water level accurate to +1 m
WL6	Water level accurate to > 1 ft	WL7	Water level accurate to > 1 m

- **Water Level Method / Result Method:** Use for depth to water and product measurements.

Valid Values and Descriptions	
OIL-METER	Product or water level by electronic oil / water interface meter
TAPE-PASTE	Product or water level by measuring tape with hydrocarbon- and water-sensitive paste

Examples

Water Level Template

Water Level Parameter Name	Field Collection Type	Water Level Value	Water Level Qualifier	Water Level Accuracy	Water Level Method
Water level in well (depth below top of well casing)	Measurement	25.01	WLV	WL2	OIL-METER
Depth to product (LNAPL) in well (depth below top of well casing)	Measurement	24.72	WLV	WL2	OIL-METER

Result Template

Result Parameter	Field Collection Type	Result Value	Result Data Qualifier	Result Quality	Result Method
Water level in well (depth below top of well casing)	Measurement	25.01	WLV	WL2	OIL-METER
Depth to product (LNAPL) in well (depth below top of well casing)	Measurement	24.72	WLV	WL2	OIL-METER

Document Revision History

Revision Date	Revision No.	Summary of Changes	Reviser(s)
8/27/12	1.0	Original Document	JD, CN
8/1/13	1.1	Updated field names per data model change	CN