

## EPA Region 2 EQuIS 6 EDD Format Edits-Release notes

-a list of changes that are made to the new EQuIS 6 EDD format.

For all information about the Electronic Data Deliverable (EDD), please check the EPA Region 2 Superfund EDD web page <http://www.epa.gov/region2/superfund/medd.htm>.

### 2014 EDD Format edits

#### Contents

1. DataProvider_v3.....	2
2. Location_v3.....	2
3. Lithology_v3 .....	3
4. Well_v3 .....	3
5. WellConstruction_v3.....	4
6. GeologySamples_v3.....	4
7. WaterTable_v3 .....	4
8. WaterLevel_v3 .....	4
9. SoilGas_v3 .....	4
10. FieldResults_v3.....	4
11. Sample_v3.....	4
12. SampleParameter_v3.....	5
13. TestResultQC_v3 .....	5
14. Batch_v3.....	7
15. BasicLocations_v3 .....	7
16. BasicWater_Level_v3 .....	7
17. BasicChemistry_v3 .....	7

*Other*

<b>For 2015 Edition .....</b>	<b>9</b>
-------------------------------	----------

## EDD data Sections:

### 1. DataProvider\_v3

Field	New Change	Benefit/ Reason to change/ Reason to change
data_contact_email	This field is now required	Data provider's email is important.

### 2. Location\_v3

Field	New Change	Benefit/ Reason to change
Loc_type	This field is now required	Very helpful to identify the location type. Helpful to plot on the map, and to do statistics.
horz_accuracy_unit	Enumeration list contains the code and description, selection includes: "1-Degrees", "2-Minutes", "3-Seconds", "4-Meters", "5-Feet", "6-Kilometers", "7-Miles", "8-Unknown"	Data provider does not need to look through the <b>RT_Unit</b> table to figure out the unit code to use.
elev_accuracy_unit	Enumeration list contains the code and description, selection includes: "1-Degrees", "2-Minutes", "3-Seconds", "4-Meters", "5-Feet", "6-Kilometers", "7-Miles", "8-Unknown"	Data provider does not need to look through the <b>RT_Unit</b> table to figure out the unit code to use.
loc_county_code	The 3 digits FIPS county code is now available. Check the web site that's provided for the codes.	FIPS code web site: <a href="http://www.epa.gov/enviro/html/codes/ny.html">http://www.epa.gov/enviro/html/codes/ny.html</a>
reference_point	Field length is changed from Text (2) to Text (3) to be consistent with the enumeration list or in the appendix.	We expanded the reference_points values, so we need to change the data type.
Latitude and Longitude	These two fields accept "zero" (0)s if the loc_type = "Drum", "WSTAP", "SEISMIC", "WI", "REMEDIATION", and "LANDFILL"	Some locations with the location types: "Drum", "WSTAP", "SEISMIC", "WI", "REMEDIATION", and "LANDFILL" may not have the latitude and longitude, so data provider can enter "zero" (0)s.
Remark	Remark field will become required when Latitude and Longitude are Zeros and the loc_type does not equal to any of the indicated location types that allow zeros.	Helpful to know about the reason for having zeros in the latitude and longitude.
Loc_district_code	Use the EPA region code '002'	To be consistent with NYSDEC, which mapped to the loc_county_code.

Field	New Change	Benefit/ Reason to change
Total_depth	This field will become required when the Loc_type is one of the followings: "MW", "EXWELL", "RW"	Make sure the total depth is reported when the location type of the location is one of the following: MW= Monitoring Well, EXWELL = EXTRACTION Well, and RW= Recovery Well.
datum_value	"datum_start_date" is required when datum_value is populated	Necessary to know the datum start date where there is a datum value.
datum_start_date	This field is now required when datum_value is populated	Necessary to know the datum start date where there is a datum value.

### 3. Lithology\_v3

Field	New Change	Benefit/ Reason to change
Material_type	This field is now required	Helpful to know the material type.

### 4. Well\_v3

Field	New Change	Benefit/ Reason to change
Well_description	Field length increased from Text (30) to Text (255)	Accept a detail information of the well
Top_casing_elev	This field is now required	Need to generate this value for reports
datum_desc	Field length increased from Text (70) to Text (255)	Accept a detail information of the datum
depth_of_well and depth_unit	These fields are now required	Necessary to report the unit and the value
depth_measure_method	Require field, there is a check when depth_of_well is populated, and/or depth_unit is populated, depth_measure_method will be required.	Ensure that the data is completed with the value, unit, and method.
Datum_unit	This field is required when datum_value is populated	Necessary to report the unit and the value

### 5. WellConstruction\_v3

- If “inner\_diameter” or “outer\_diameter” is populated, then the “diameter\_unit” is required.
- “slot\_size” is populated, then the “slot\_size\_unit” is required.
- “thickness” is populated, then the “thickness\_unit” is required.

### 6. GeologySamples\_v3

- The field “Sample\_date” is now a required field
- “organic\_carborn” is populated, then “organic\_carbon\_unit” is required
- “K” is populated, then “K\_unit” is required.
- “rel\_density” is populated then “density\_unit” is required.

### 7. WaterTable\_v3

- If “capped\_pressure” is populated, then “capped\_pressure\_unit” is required.
- If “temperature” is populated, then “temperature\_unit” is required.

### 8. WaterLevel\_v3

- If “corrected\_elev” or “measure\_depth\_of\_well” is populated, then “depth\_unit” is required.

### 9. SoilGas\_v3

Field	New Change	Benefit/ Reason to change
reading_depth	This field became a required field	Necessary for reporting
reading	This field became a required field	Necessary for reporting
reading_unit	When both reading_depth and reading are populated, then reading_unit and depth_unit has to be required.	Necessary for reporting, value and unit are require when either one is populated.

### 10. FieldResults\_v3

Field	New Change	Benefit/ Reason to change
Sys_sample_code	Field length change from Text(255) to Text (40)	To be consistent with Sys_sample_code in Sample_v3 section
depth_unit	when start_depth or end_depth is populated then depth_unit is required	Necessary to report the unit and the value
Start_depth and End_depth	These two fields are required when "Sample_matrix_code" = 'SO' or 'WG'	Necessary to have these values for reporting

### 11. Sample\_v3

Field	New Change	Benefit/ Reason to change
depth_unit	If start_depth or end_depth is populated then depth_unit is required	Necessary to report the unit and the value

Field	New Change	Benefit/ Reason to change
Start_depth and End_depth	Depths are required when "Sample_matrix_code" = 'SO' or 'WG' and sample_type_code = 'N' or 'FD'	Necessary to have these values for reporting
Sample_type_code	Field length change form Text (3) to Text (4)	To accommodate a longer length of the sample type.
Sample_company_code	Field length change from Text (10) to Text (20)	To accommodate a longer length of the sample company code.

## 12. SampleParameter\_v3

- **Sys\_sample\_code** in this section has to be existed in the Sample\_v3 section, otherwise; an “Orphan Row” error will display.

## 13. TestResultQC\_v3

(Some changes are applied to **BasicChemistry\_v3** section as well)

Field	New Change	Benefit/ Reason to change
detection_limit_unit	Added check: If detection_limit unit is populated then reporting_detection_limit, method_detection_limit, or quantitation_limit is required.	Necessary to report the unit and the value
reporting_detection_limit	Accept negative numbers for radiological results only if minimum_detectable_conc, counting_error, uncertainty, or critical_value are populated. ----- In BasicChemistry_v3, this field accept negative number.	Allow negative numbers for radiological data
qc_spike_recovery and qc_dup_spike_recovery	Allow values less than zero	
Total_or_dissolved	The field name changed to “ <b>Fraction</b> ’ and the default value ‘T’ has been removed.	Reference to RT_Fraction table for the valid values in this column.
dilution_factor	A required field in <b>TestResultQC_v3</b> and <b>BasicChemistry_v3</b> . The default value “1.0” is removed. Field length is changed to Text (4).	

Field	New Change	Benefit/ Reason to change
lab_name_code	In both TestResultsQC_v3 and BasicChemistry_v3, conditional check already exists: <b>#1</b> . When analysis_location is "FI", lab_name_code is not a required field.  <b>#2</b> . When analysis_location is not FI, then the Lab_name_code, QC_Level, Lab_sample_id, Lab_matrix_code and Dilution_factor are required.	FI = Field Instrument or probe, which is not a laboratory analysis, so lab_name_code is not required. Other values FL = mobile field lab analysis, or LB = fixed based lab analysis, that is required to provide the lab_name_code.
lab_matrix_code	In TestResultsQC_v3 and <b>BasicChemistry_v3</b> , when analysis_location is FI, then lab_matrix_code is not a required field. When analysis_location is not FI, then this will show as required.	Lab_matrix_code is required when the analysis_location is from a laboratory.
analysis_location	Removed the default value of "FI" in both TestResultsQC_v3 and BasicChemistry_v3 sections.	Not necessary to default the value to "FI"
Result_unit	This field will be required when result_value is populated.	Necessary to report the unit and the value
Result_type_code	When this field = 'TIC', tic_retention_time is required. This conditional check only applies to TestResultsQC_v3	Necessary to report the value and time, when the result type is TIC.
Detect_flag	Result_value should be null when detect_flag = N	
Reportable_result	Samples with more than one result with the same CAS_RN cannot have Reportable_result = YES This check exists in both TestResultsQC_v3 and BasicChemistry_v3	

#### 14. Batch\_v3

Field	New Change	Benefit/ Reason to change
Total_or_dissolve	Field name changed to <b>"fraction"</b> and removed the default value 'T'	Reference to RT_Fraction table for the valid values in this column.

#### 15. BasicLocations\_v3

- **"Remark"** field will be required when Latitude and Longitude are zeros.

Field	New Change	Benefit/ Reason to change
Latitude and Longitude	These two fields accept "zeor" (0)s if the loc_type = "Drum", "WSTAP", "SEISMIC", "WI", "REMEDIATION", and "LANDFILL"	Some locations with the location types: "Drum", "WSTAP", "SEISMIC", "WI", "REMEDIATION", and "LANDFILL" may not have the latitude and longitude, so data provider can enter "zero" (0)s.

#### 16. BasicWater\_Level\_v3

Field	New Change	Benefit/ Reason to change
Lnapl_cas_rn	A drop down with cas number and chemical name.	Easy to select the value
Dnapl_cas_rn	A drop down with cas number and chemical name.	Easy to select the value

#### 17. BasicChemistry\_v3

Field	New Change	Benefit/ Reason to change
Reportable_results	When samples with more than one result with the same Cas_rn cannot have Reportable_result = Yes	
lab_sample_id	This field is now required, use "UNKNOWN" for historical data	Use "unknown" for historical data when we have old data that do not have lab sample id.
lab_name_code	Additional field, but not a required field.	
Sample_type_code	This field length changed from Text (3) to Text (4)	
Result_unit	This field is required when result_value is populated.	Necessary to report the unit and the value

Field	New Change	Benefit/ Reason to change
Detection_limit_unit	This field is required when method_detection_limit, reporting_detection_limit, or quantitation_limit is populated.	Necessary to report the unit and the value
Detect_flag	Result_value should be null when detect_flag = N	
Start_depth and End_depth	These two fields are required when "Sample_matrix_code" = 'SO' or 'WG' and sample_type_code = 'N' or 'FD'	
Sample_matrix_code	field length increased from Text (3) to Text (4), and cannot be WG, SO when sample_type_code is 'TB', 'EB', 'FB'.	
Analysis_date	Analysis_date cannot precede the sample_date	
Total_or_dissolve	Field name changed to " <b>fraction</b> " and removed the default value 'T'	Reference to RT_Fraction table for the valid values in this column.



## For 2015 Edition

For 2015 EDD format, EPA proposed to add the following:

1. Cross-checking with `location_v3.sys_loc_code` and `Sample_v3.sys_loc_code`. When the location data is present, **Sample\_v3.sys\_loc\_code** has to be case sensitive with **Location\_v3.sys\_loc\_code**.