The TerraBase® V2.7 Sample Point "SP" EDD

Data Formatting and Data Library Guide for Project Managers, Contractors, and Sampling Crews:

All EDD data must be presented as a Microsoft Excel® file within the strict limitations of the format described in the following table. However, even if the formatting of the EDD is completely correct, the Project Manager may choose to reject the EDD if the contents of that file do not comply with the data-library standardization requirements detailed within the attached Appendices and data libraries.

Additionally, for special projects and uses, a Project Manager responsible for data standardization may provide additions to the standard data libraries for the contractor's special use within those projects. Any such additions must be provided under separate cover and do not take the place of this generic data standards document.

The TerraBase® Environmental Data Management System stores Sample Point information from separate geographic facilities in segregated regions within the database structure. For this reason, sample point information from separate facilities can never be combined within a single EDD file. However, data from multiple Sampling Events/Dates performed by the *same contractor* for the *same Facility* may (at the discretion of the Project Manager) be included within the same EDD file.

Special note regarding all spatial coordinates in this file:

The Project Manager uses standardized coordinate systems for all Facility data stored in the TerraBase system. All submissions should be reported in those standardized coordinates (with any appropriate zone references, as applicable), and should be verified with the Project Manager prior to submitting data in this format. Please be sure that:

1. Instructions regarding these coordinate system details has been provided to you by the Project Manager, and
2. The "incoming" coordinates for Sample Point Locations included in this file use the same coordinate system.

Failure to verify these correlations will result in rejection of the associated data file by the Project Manager.

"SP" EDD data format description:

Excel Column	Field Name	Data Type: Length	Description
A	Sample Point	Text: 20	Georeferenced data point; the permanent identifier for the Monitoring Well. This field is required for data that is to be modeled, and is **INITIALLY ASSIGNED BY THE PROJECT MANAGER.** It must have consistent nomenclature over repetitive sampling events since it represents the name of a physical location on a facility map (such as using "MW-01" to always represent the "Monitor Well #01" map location).
B	Sample Point Classification	Text: 5	Site Classification code (see list of valid entries in Appendix)

C	Sample Point Description	Text: 50	Sample Point Description. Free text entry field to further define the sample point location. It is not the Classification Description field in the Appendix table below.
D	Facility Area	Text: 50	Facility Area (as assigned be Project Manager, otherwise leave blank).
E	Latitude	Real decimal	Latitude Degrees – represent the exact/surveyed Latitude value (i.e., degrees, minutes, and seconds) in the appropriate coordinate system. Include all values after the decimal as needed (Ex: 22706.8321). Negative values will be converted upon import and the correct latitude direction will be assigned.
F	Longitude	Real decimal	Longitude Degrees - represent the exact/surveyed Longitude value (i.e., degrees, minutes, and seconds) in the appropriate coordinate system. Include all values after the decimal as needed (Ex: 3988.2783). Negative values will be converted upon import and the correct longitude direction will be assigned.
G	Geographic Elevation	Real decimal	National Geodetic Vertical Datum (NGVD) Elevation for geographical (latitude/longitude) coordinates
H	Plant Easting	Real decimal	Plant Easting Coordinate. Plant coordinates are usually based on a Facility specific grid
I	Plant Northing	Real decimal	Plant Northing Coordinate. Plant coordinates are usually based on a Facility specific grid
J	Plant Elevation	Real decimal	Plant elevation above mean sea level (MSL)
K	UTM NAD	Integer	North American Datum (NAD) for Universal Transverse Mercator (UTM) coordinates: 19(27) or 19(83). Enter 27 or 83.
L	UTM NAVD	Integer	National Geodetic Vertical Datum (NGVD) for UTM coordinates: 19(29) or 19(88). Enter 29 or 88.
M	UTM Grid Zone	Text: 50	UTM coordinate grid zone (Ex. Louisiana, South)
N	UTM Easting	Real decimal	UTM Easting Coordinate
O	UTM Northing	Real decimal	UTM Northing Coordinate
P	UTM Elevation	Real decimal	UTM elevation in Meters
Q	State Plane NAD	Integer	State Plane North American Datum (NAD): 19(27) or 19(83). Enter 27 or 83.
R	State Plane NAVD	Integer	State Plane National Geodetic Vertical Datum (NAVD): 19(29) or 19(88). Enter 29 or 88.
S	State Plane Grid Zone	Text: 50	State Plane coordinate grid zone (Ex. Louisiana, South)
T	State Plane Easing	Real decimal	State Plane Easting Coordinate
U	State Plane Northing	Real decimal	State Plane Northing Coordinate
V	State Plane Elevation	Real decimal	State Plane elevation
W	Screened Layer ID	Integer	Site Layer identified for screen interval. Leave null if unknown

Note: while only one coordinate system is typically used for each Facility stored within the client TerraBase database, be sure to include coordinate information in the correct coordinate system associated with that facility in the SP Edd file. Elevation fields in the SP edd file are interpreted as

land surface elevation for all location types (soil boring, surface water etc.). Monitoring well elevations (top of casing and land surface) can be found in the MW edd format.

Appendix – Standard TerraBase® codes for use with Sample Point "SP" EDDs and reports:

This section is provided for engineering and contractor staff reference when constructing hard copy reports and EDDs in the aforementioned applicable formats for data submission **to the PROJECT MANAGER**. These codes are maintained in user-defined lists. Be sure to review these lists with the project manager before submitting any geotechnical edds.

Sample Point Classifications and Descriptions (SP EDD Column B):

Site Classification (Code)	Classification Description
AAS	Ambient Air Sample
ADP	Air Discharge Point
BS	Biological Sample Point
CPP	Cone Penetrometer Point
DW	Domestic Well
EWD	Extraction Well, Deep
EWI	Extraction Well, Intermediate
EWMZ	Extraction Well, Multiple Zone
EWS	Extraction Well, Shallow
EWT	Extraction Well, Trench
EWUD	Extraction Well, User-Defined
EWV	Extraction Well, Vapor
GWB	Ghost Well/Boring
ISW	Industrial Supply Well
IW	Irrigation Well
IWD	Injection Well, Deep
IWI	Injection Well, Intermediate
IWL	Injection Well
IWMZ	Injection Well, Multiple Zone
IWS	Injection Well, Shallow
IWUD	Injection Well, User-Defined
IWV	Injection Well, Vapor
LD	Lysimeter, Deep
LI	Lysimeter, Intermediate
LS	Lysimeter, Shallow
LUD1	Lysimeter, User-Defined #1
LUD2	Lysimeter, User-Defined #2
MSW	Municipal Supply Well
MW	Municipal Well
MWD	Monitoring Well, Deep
MWI	Monitoring Well, Intermediate
MWL	Monitoring Well
MWMZ	Monitoring Well, Multiple Zone
MWS	Monitoring Well, Shallow
NGW	Natural Gas Well
NGWD	Natural Gas Well, Dry

OW	Observation Well
PMD	Piezometer, Deep
PMI	Piezometer, Intermediate
PMN	Piezometer, Nested
PMS	Piezometer, Shallow
PMUD	Piezometer, User-Defined
PSVP	Point Sample, Vapor Probe
PSWP	Point Sample, Water Probe
PVS	Process Vapor Sample Point
PW	Pumping Well
PWSP	Process Water Sample Point
SB	Soil Boring
SP	Survey Point
SS	Sediment Sample
SSS	Surface Soil Sample
SWDPN	Surface Water Discharge Point, NPDES
SWSP	Surface Water Sample Point
SWSSP	Surface Water/Soil Sample Point
TH	Test Hole
TR	Trench
TS	Tissue Sample
UDA	User-Defined, A
UDB	User-Defined, B
UDC	User-Defined, C
UDD	User-Defined, D
UDE	User-Defined, E
UDF	User-Defined, F
VW	Vapor Well
WP	Well Point
WS	Water Supply Well
WUD	Well, User-Defined

