Introduction to EQuIS @ NCDEQ
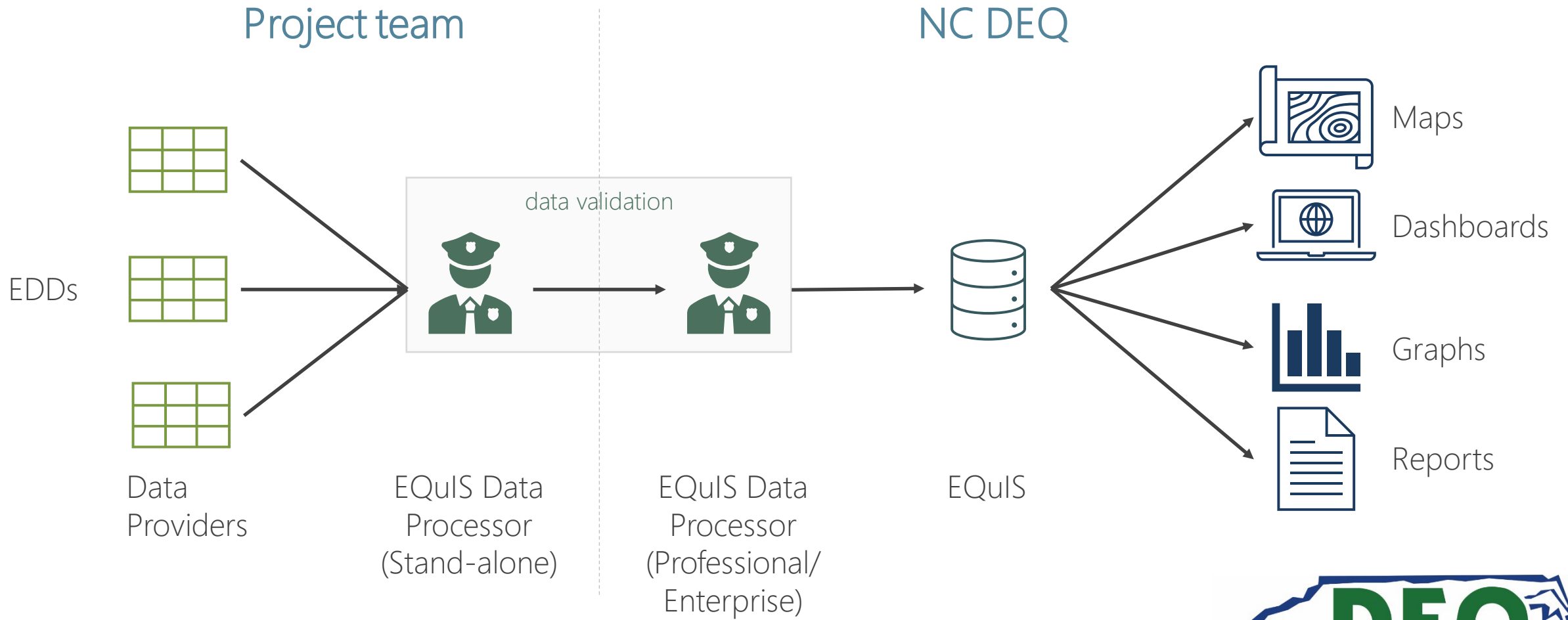
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Waste Management
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NC DEQ ♥'s EQuIS

This new tool speeds up workflows eliminating unnecessary lag time and expands the capabilities of what staff can do with data collected from multiple sources. Having environmental sampling/monitoring data stored in one location allow staff to conduct analyses that have never been possible. These types of analyses expand spatial awareness within several Divisions, increasing the ability to work towards common goals.

Key to the success of EQuIS is the ability to take in external data submissions (EDDs). This reduces the amount of staff time spent on manipulating and formatting datasets.

EQuIS Data flow

Project team   NC DEQ

EDDs

data validation

Maps

Dashboards

Graphs

Reports

Data Providers

EQuIS Data Processor (Stand-alone)

EQuIS Data Processor (Professional/ Enterprise)

EQuIS

What is an EDD?

Electronic Data Deliverable (EDD)

EDDs are electronic tabular formats for sharing, manipulating and using data. Access databases, Excel spreadsheets, and tab delimited text files are all examples of EDDs.

NC DEQ EDD

An Excel spreadsheet with 30+ tabs that are generally organized into sections. The EDD is based on what other successful programs around the country have done.

Section	Tab
Initial	DataProvider_v1
	Subfacility_v1
	Location_v1
	Files_v1

Section	Tab
Field Activities	Task_v1
	WaterLevel_v1
	ExtractionInjectionWells_v1
	SoilGas_v1
	FieldSample_v1
	COC_v1
	FieldResults_v1
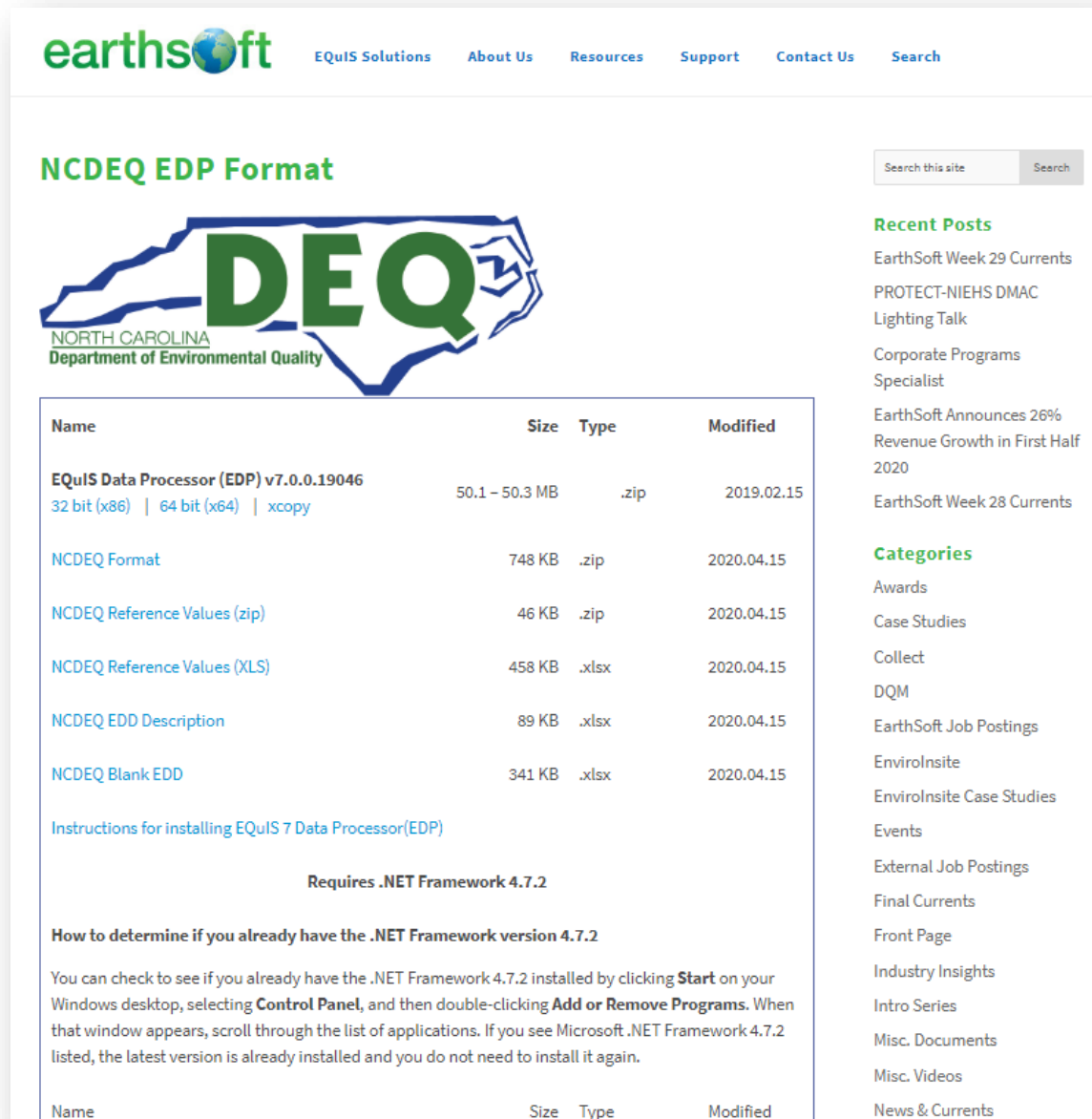
Section	Tab
Chemistry	Sample_v1
	TestResultQC_v1
	Batch_v1

Section	Tab
Vapor Intrusion	VI_Bldg_Address_v1
	VI_Building_Inspection_v1
	VI_Building_Parameters_v1
	VI_Locations_v1
	VI_Outdoor_Locations_v1
	VI_Samples_v1
	VI_TestResultsQC_v1
	VI_Batches_v1

Section	Tab
Subsurface Investigation	DrillActivity_v1
	DownholePoint_v1
	Lithology_v1
	Well_v1
	WellConstruction_v1
	GeologySamples_v1
	WaterTable_v1

Section	Tab
Basic Historical	BasicLocations_v1
	BasicWater_Level_v1
	BasicChemistry_v1
	BasicGeology_v1

EQuIS on the web

NC DEQ EQuIS Format and Resources
https://earthsoft.com/products/edp/ncdeq-edp-format/

- FREE to use! Format requires registration.

- Place where updated reference values, formats, and blank EDD appear.

Installation and Registration Guidance
https://download.earthsoft.com/NCDEQ/Instructions%20for%20Installing%20EQuIS7%20Data%20Processor%20(EDP)%20Standalone.pdf

Troubleshooting when downloads do not work
https://help.earthsoft.com/unblock_a_downloaded_file.htm?zoom_highlightsub=unblocked

Recent Numbers

November 2023	DWM	Chemours
Facilities	336	1
Sample locations	5,804	20,321
Normal environmental samples collected	15,162	28,624
Tests run on normal environmental samples collected	63,281	55,489
Results from normal environmental samples collected	863,126	1,046,041
Averages	17 locations/facility 2 samples/location 4 tests/sample 13 results/test	20,321 locations/facility 1 samples/location 2 tests/sample 19 results/test

Important note

Use of the NCDEQ EDD is intended to augment and allow for the systematic capture of environmental sampling/monitoring data.

It is not intended to replace any reports or narratives that currently accompany this data.

Data providers should consult with their NC DEQ Project Manager (PM) prior to preparing and submitting EDDs to verify what data will be submitted for their project.

The NCDEQ EDD is built to be comprehensive in the data that can be collected, but it does not mean that providing all this data is required. Communication with the PM can help to avoid unnecessary efforts.

It is the responsibility of the data provider to coordinate with the NC DEQ to ensure that the data collected are submitted under the correct Facility/Site ID.

Please verify the Facility/Site ID number information with your PM.

Next steps

1. Visit

   Go to the NCDEQ page on the EarthSoft website to download the free files that you will need to get started. https://earthsoft.com/products/edp/ncdeq-edp-format/

2. Communicate

   Talk with your Brownfields Project Manager, talk with your sampling team, talk with the lab, talk with your consultants.

3. Reach out

   If you have questions, contact me. I am available through email or we can schedule an online meeting.

Contact Info

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