

# *Workshop on Incremental Sampling and Field XRF for Metal Contamination in Soils*

*Date: August 19-20, 2014*

*Venue: National Library of Public Information, Taichung, Taiwan*

## *Agenda on August 19 (Tue.)*

<b>Date/Time</b>	<b>Topic</b>	<b>Speaker</b>
09:00 – 09:30	Registration	
09:30 – 09:45	Opening Remarks	Taiwan EPA
09:45 – 10:45	Introduction: Elements of a Successful Soil Sampling and Analysis Project	Stephen Dymont
10:45 – 11:00	BREAK	
11:00 – 12:00	The Nature of Soil Can Cause Data to be Misleading	Deana Crumbling
12:00 – 01:00	LUNCH	
01:00 – 01:45	What is Incremental Sampling?	Stephen Dymont
01:45 – 02:45	Incremental Sampling: Collecting a Representative Field Sample	Deana Crumbling
02:45 – 03:00	BREAK	
03:00 – 04:00	Incremental Sampling: Taking a Representative Subsample from the Field Sample	Stephen Dymont
04:00 – 05:00	Calculations Used with Incremental Sampling	Deana Crumbling
05:00 – 05:30	Resources and Tools for Incremental Sampling	Stephen Dymont
05:30	Day One Concludes	

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## *Agenda on August 20 (Wed.)*

<b>Date/Time</b>	<b>Topic</b>	<b>Speaker</b>
09:00 – 9:15	Quick Review of Yesterday's Material	Deana Crumbling
09:15 – 10:00	Introduction to X-Ray Fluorescence (XRF) Technology and XRF Quality Control	Stephen Dymant
10:00 – 10:30	Comparing Laboratory Metals Results to XRF Metals Results: Example Data Sets When Sampling Error Is and Is Not Controlled	Deana Crumbling
10:30 – 10:45	BREAK	
10:45 – 11:05	Composite Sampling to Detect Spatial Concentration Trends	Stephen Dymant
11:05 – 12:00	Combining Incremental Sampling with Field XRF Analysis to Determine the Concentration of a Decision Unit	Deana Crumbling
12:00 – 01:00	LUNCH	
01:00 – 01:30	Using XRF to Refine an Incremental Sampling Design	Stephen Dymant
01:30 – 2:00	Talk Through a Hypothetical Project: Planning & Design	Deana Crumbling
02:00 – 02:30	Talk Through a Hypothetical Project: Field Implementation	Stephen Dymant
02:30 – 0:300	Talk Through a Hypothetical Project: Decision Documentation	Deana Crumbling
03:00 – 03:15	BREAK	
03:15 – 03:30	Resources and Tools for XRF	Stephen Dymant
03:30 – 04:30	Introduction to High Resolution Site Characterization (HRSC)	Stephen Dymant
04:30 – 05:00	Questions and Discussion	Taiwan EPA
05:00	Workshop Ends	