

Increasing Remediation Success: Focus on Planning, Implementation, and Combining Technologies

September 14, 2017
Course Agenda

Courtyard Marriott
San Francisco Downtown
299 2nd Street
San Francisco, CA 94105
8:00 AM – 1:30 PM

Instructors:
Mike Marley, M.Sc., XDD Environmental
Paul Dombrowski PE, ISOTEC
Mike Mazzaresse, AST Environmental
Grant Geckeler, GEO
Will Caldicott, ISOTEC

<u>Time</u>	<u>Topic</u>
7:30 AM – 8:00 AM	Registration Open - Please Sign-In
8:00 AM - 8:30 AM	Housekeeping Comments – Mike Mazzaresse “State of the Art – State of the Practice” - Mike Marley, M.Sc., XDD Environmental
8:30 AM – 9:40 AM	Remedial Technologies Introduction <ul style="list-style-type: none">a. ISCO – Mike Marley, XDD Environmentalb. Bioremediation – Paul Dombrowski, PE, ISOTECc. Activated Carbon Based Technologies – Mike Mazzaresse, AST Environmentald. Thermal Remediation - Grant Geckeler, GEO Remedial Technologies, Application, and Selection – Will Caldicott, ISOTEC + Mike Marley, XDD Environmental <ul style="list-style-type: none">1. Injection, wells, direct-push2. Soil blending3. Recirculation
9:40 AM – 10:00 AM	Technology Comparative Evaluation – Paul Dombrowski, PE, ISOTEC + Grant Geckeler, GEO <ul style="list-style-type: none">1. Advantages and Disadvantages2. Remedial Timeline3. Sensitive Receptors4. Concurrent use and re-use
10:00 AM – 10:30 AM	Investigation & CSM Development to Support Remedial Decision Making – Mike Mazzaresse, AST Environmental + Will Caldicott, ISOTEC <ul style="list-style-type: none">a. Tools and Methodsb. Saturated vs. Unsaturatedc. Overburden and Bedrockd. Hydrogeology
10:30 AM – 10:40 AM	<i>Break</i>
10:40 AM – 11:00 AM	Combining Remedies: When, Where, How – Will Caldicott, ISOTEC
11:00 AM – 11:30 AM	Case Study 1: Multi-Contaminant, Varied Geology – Grant Geckeler, GEO

- 11:30 AM – 12:00 PM **Case Study 2: Combined Remedies** – Mike Mazzaresse, AST
- ISCO and Activated Carbon
- 12:00 PM – 12:30 PM **Case Study 3: “Remediation 2.0”** – Mike Marley, M.Sc., XDD Environmental
- Optimization after earlier remediation efforts
- 12:30 PM – 1:30 PM **Working Lunch/ Closing Comments / Q&A** – Moderated by Paul Dombrowski, ISOTEC

Please feel free to stay after the course to speak one-on-one with our presenters.

Thank you for your attendance.
Please Sign-Out.