

Abstract submission: Cascade Environmental

Abstracts should be submitted for review with 150-200 words limit. The abstract should address the background/context, initiative/practice, method(s) of evaluative data collection and analysis, evidence of effectiveness and theme(s) addressed. It must contain the following:

- Title: The Anatomy of a Defensible Remediation Case Study
- Authors: Cascade Environmental Including Eliot Cooper, John McAssey, Eric Moskal, Michael Gerber
- Discussion/results/evaluation:

Our industry, vendors, (amendment, injection. environmental construction, turnkey) and consultants, present all kinds of remediation results in case studies at conferences and/or in literature shared with customers, most of which are not peer reviewed. Some address how projects met remediation goals, others address the logistical challenges of field implementation, and others the results of bench-scale or pilot studies. However, there is no standardization of the data required to support their conclusions. Typically, these include characterization for baseline data (COCs, Lithology, Hydrogeology), amendment selection and dosing basis, field implementation approach, performance, and any challenges that could impact results, and soil, soil vapor, and groundwater results over a specific time frame post remediation.

Reviewers are faced with their own evaluation, versus any data gaps, and how critical they are to determining whether the outcomes can be extrapolated to their sites in deciding what remedies to implement.

This presentation will present case study recommendations, so that readers can have higher confidence in the outcomes presented, once again since they are not peer reviewed. It will also provide preparers and reviewers with what a defensible case study looks like, so they can recommend and make sound technical decisions going forward.

- Conclusions/implications

This presentation will present case study data recommendations and their relative importance, so that reviewers can have higher confidence in the remedies they select, once again, since these are not peer reviewed.