

# COSTEFFECTIVE REMEDIATION AND CLOSURE OF PETROLEUMCONTAMINATED SITES

Introduction to Contaminated Land and Remediation - Introduction to Contaminated Land and Remediation by Soilutions Ltd 1,928 views 1 year ago 42 minutes - Luke Bradley from Soilutions Ltd presents an Institution of Environmental Sciences (IES) webinar introducing **contaminated land**, ...

Contaminated Site Characterization and Remediation - Contaminated Site Characterization and Remediation by BattelleInnovations 1,614 views 6 years ago 1 minute, 44 seconds - See how Battelle is a leader in **remediation**..

SITE REMEDIATION APPROACHES

OPTIMIZED SOLUTIONS

FATE AND TRANSPORT MODELING

DATA ANALYTICS

CONTROLS COSTS

SAFE AND EFFICIENT

BATTELLE It can be done

Contaminated Sites - Contaminated Sites by CBC News: The National 1,282 views 11 years ago 2 minutes, 37 seconds - What the environment commissioner has to say about cleaning up Canada's 22000 **contaminated sites**.. Margo McDiarmid reports ...

In situ remediation of groundwater contaminated with petroleum hydrocarbons in England, UK - In situ remediation of groundwater contaminated with petroleum hydrocarbons in England, UK by REGENESIS Remediation Solutions 7,865 views 9 years ago 2 minutes, 29 seconds - This video shows the **site**, work involved in completing in situ groundwater **remediation**, of **petroleum**, hydrocarbons (hotspot plume ...

IES webinar: An introduction to contaminated land investigation and remediation - IES webinar: An introduction to contaminated land investigation and remediation by The Institution of Environmental Sciences (IES) 1,667 views 1 year ago 43 minutes - Presented by Luke Bradley, hosted by Ethny Childs, IES.

BROWNFIELD LAND

BROWNFIELD SITES - ADVANTAGES

BROWNFIELD SITES - SUSTAINABILITY

CONTAMINATION - SOILS

CONTAMINATION - GROUNDWATER

CONTAMINATION - SURFACE WATER

LAND CONTAMINATION RISK MANAGEMENT

SITE INVESTIGATION - PHASE 1

REMEDICATION - SOURCE REMOVAL

REMEDICATION - CHEMICAL TREATMENT

REMEDICATION - BIOREMEDIATION

CONTAMINATED LAND - THE FUTURE

SCLF Webinar 32 In situ Remediation of Petroleum Hydrocarbons in Groundwater | 28 April 2023 - SCLF Webinar 32 In situ Remediation of Petroleum Hydrocarbons in Groundwater | 28 April 2023 by Scottish Contaminated Land Forum 228 views 10 months ago 49 minutes - This webinar was delivered by Jack Shore, REGENESIS and focuses on integrated **remediation**, strategies to expedite the ...

Company overview

In Situ Chemical Oxidation (ISCO)

RegenOx-Engineered oxidant/ catalyst system

Remediation process-Step 1

Remediation Process - Step 2 \u0026 3

Regeneration - Long term treatment

Remediation strategy

How much does this cost?

Zoom into Soil: Green and Sustainable Remediation of Contaminated Sites - Zoom into Soil: Green and Sustainable Remediation of Contaminated Sites by British Society of Soil Science 386 views 5 months ago 1 hour, 1 minute - In this webinar, Deyi Hou, Editor of the Soil Use and Management journal, and Paul Nathanail, Director at **Land**, Quality ...

Montrose Environmental Petroleum-Contaminated Site Cleanup - Montrose Environmental Petroleum-Contaminated Site Cleanup by Montrose Environmental 294 views 2 years ago 2 minutes, 51 seconds - Petroleum, **-contaminated site**, cleanup. The underground gasoline storage tanks shown in this video were abandoned in place ...

Lowering the cost of thermal remediation - Lowering the cost of thermal remediation by TRS Group, Inc. 109 views 3 years ago 48 minutes - And so those three those three **cost**, drivers it's touching over this this um period it's just the systems keep getting larger and larger ...

Formerly Used Defense Site Achieves Stringent Closure Goals with PetroFix - Formerly Used Defense Site Achieves Stringent Closure Goals with PetroFix by REGENESIS Remediation Solutions 358 views 1 year ago 6 minutes, 14 seconds - As a formerly used defense or FUDs **site**, the Dare County Regional Airport is in the process of undergoing environmental ...

Raymond Livermore Environmental Engineer

Grid Approach with 6ft. Spacing

Todd Herrington Global PetroFix Product Manager REGENESIS

Soil Cores Displaying PetroFix Distribution

Contaminated Site Closure Strategies - Contaminated Site Closure Strategies by WMenvironmental 229 views 4 years ago 51 minutes - Unanticipated **contamination**, of soil or groundwater can be detected during investigations conducted as part of property ...

Intro

Nature of Contamination

Sampling

Drums

Dry Cleaners

Underground Tanks

RiskBased Cleanup Options

Leaking Tanks

Corrective Action

VCP

MSD Process

MSD Certificate

Challenges

Recap

Innocent Owner Program

Obtaining an IOC

TCQ Remediation Program

Conclusion

Outro

TPH Risk Evaluation at Petroleum-Contaminated Sites - TPH Risk Evaluation at Petroleum-Contaminated Sites by Interstate Technology and Regulatory Council 882 views 3 years ago 2 hours, 6 minutes - 6:44 Why the guidance? Jennifer Strauss (Alternate: Mani Nagaiah) 15:49 Learn what TPH is Mani Nagaiah (Alternate: Pat ...

Why the guidance? Jennifer Strauss (Alternate: Mani Nagaiah)

Learn what TPH is Mani Nagaiah (Alternate: Pat Locklin)

Learn TPH analytical methods Rachel Mohler (Alternate: Pat Locklin)

Moderator and All

Environmental Fate of TPH Ross Steenson (Alternate: Rachel Mohler)

Assessing Human and Ecological Risk for TPH Diana Marquez (Alternate: Usha Vedagiri)  
Stakeholders Considerations Usha Vedagiri (Alternate: Francis Ramacciotti)  
Closing – 6 min - Jeff Kuhn (Alternate: Matt Smith; Francis Ramacciotti)  
Wrap and Q\u0026A – Moderator and All  
Natural Source Zone Depletion: A Tool for the Management of Petroleum Contaminated Sites - Natural  
Source Zone Depletion: A Tool for the Management of Petroleum Contaminated Sites by E-Flux 219 views 2  
years ago 1 hour, 7 minutes - The term natural source zone depletion (NSZD) describes the transformation of  
LNAPL into dead-end inorganic products.  
Outline (all things NSZD)  
Background  
Molecular Diagnostics, NSZD, and the CSM  
NSZD Rate Measurements: The ITRC framework  
NSZD characterization  
NSZD rate measurement (vadose zone)  
CO2 traps  
Dynamic Flux Chambers  
Dynamics of Soil Respiration  
Building the Conceptual Site Model: Data Quality Vs. Quantity  
A \"typical\" site: multiple lines of evidence and NSZD rate quantification  
NSZD Rates and Active Remediation  
Mass Depletion and Active Remedies  
A LNAPL source mapping case: screening locations for fossil fuel signal  
A line of evidence case: No NSZD rate quantification  
Phytoremediation Mechanisms  
Enhancement of NSZD Rates  
Comparative Mass Removal Rates  
Current NSZD Developments: Thermal Gradient Method  
Thermal Gradient Method Timeline 205  
Current NSZD Development: Compositional Change  
What can NSZD do for your site?  
THREE DECADES OF EXCELLENCE  
GreenSoil Webinar Exploitation of Natural Processes for the Remediation of Contaminated Sites - GreenSoil  
Webinar Exploitation of Natural Processes for the Remediation of Contaminated Sites by GreenSoil Group  
84 views 1 year ago 53 minutes - Biological **remediation**, is a **cost,-effective**, and sustainable method of  
treating **contaminated sites**, compared to conventional ...  
Complex site + low pH  
Complex site conditions + Source remediation  
Short remediation time + source remediation  
Adverse geochemistry + mix contamination  
How To Complete a Soil Remediation - How To Complete a Soil Remediation by Tank Masters  
Environmental 3,151 views 1 year ago 8 minutes, 15 seconds - OilSpillCleanUpMiddletownNY,  
#ContaminatedSoil, #OilTankRemovalCompany, #OilTankRemovalNearMe, ...  
Advanced Remediation Technology (ART) | Amerapex - Advanced Remediation Technology (ART) |  
Amerapex by Amerapex Corporation 219 views 3 years ago 42 seconds - Amerapex offers timely and  
**effective remediation**, solutions for a variety of applications to ensure minimal downtime and a healthy ...  
Pathway to Remediation Success: A Next Generation Approach to Complex Contaminated Sites - Pathway to  
Remediation Success: A Next Generation Approach to Complex Contaminated Sites by REGENESIS  
Remediation Solutions 575 views 4 years ago 1 hour, 1 minute - In this webinar we are pleased to have as  
special guest speakers John Hesemann, **Remediation**, Technical Practice Leader, and ...  
Why is new approach to Complex Sites necessary?  
The Environmental Sequence Stratigraphy (ESS) Process  
The Geologic \"Static\" Model  
The Process-Based Model

Process-Based Remediation Design

Focused Remedy

Eglin AFB

Former Nike Missile Silo - Oxford, OH

Site Overview

"Static" CSM for Contaminant F

Process-Based CSM to Support MNA

Analytical Data and Geologic Pathway Map

Conclusions: Case Study #2

LNAPL Release Interim Measure Design

Case Study #3: LNAPL Release Interim Remedy Design

J Sand Isopach

Secondary Features

LNAPL Migration Conceptual Site Model

Cross Section 8

Process-Based Approach to Complex Contaminated Sites

PASSIVE FLUX METER EXAMPLE DATA

Remediation Management of Complex Sites - Remediation Management of Complex Sites by Interstate

Technology and Regulatory Council 188 views 3 years ago 2 hours, 7 minutes - Intro –, Moderator Section 1

4:43 Susan Newton (backup: John **Price**,) Section 2 16:02 Roy Thun (backup: David Alden) Section 3 ...

Section 1.Susan Newton (backup: John Price)

Section 2.Roy Thun (backup: David Alden)

Section 3.Chuck Newell (backup: Claudia Walecka-Hutchison)

First Q.Moderator and All

Section 4.Mike Truex (Backup: Elisabeth Hawley)

Section 5.Sam Brock (Backup: Sara Michael)

Conclusions.Susan Newton (Backup: John Price)

Second Q.Moderator and All

What You Should Know About Integrated Site Remediation - What You Should Know About Integrated Site

Remediation by REGENESIS Remediation Solutions 106,065 views 11 years ago 5 minutes, 7 seconds - Dr.

Jeremy Birnstingl explains what you should know about integrated **site remediation**.. Today there are many integrated **site**, ...

Jeremy Birnstingl Ph.D. Director, Regenes Europe

Pump Treat System Cost Effectiveness and Efficiency Significantly Drops Over Time

Integrated Site Remediation incorporates a range of synergistic technologies to achieve site closure

Regenes offers integrated site remediation technologies from start to finish

Bioremediation of hydrocarbon contaminated soil - Bioremediation of hydrocarbon contaminated soil by

Mike Holroyd 25,184 views 10 years ago 2 minutes, 51 seconds - This project provided an extremely **cost**

**effective**, solution for the **remediation**, of highly **contaminated land**.. 5000m<sup>3</sup> of materials ...

Remove Uncontaminated Surface Soil and Stockpile Separately

Prepare Treatment Area

Excavate Contaminated Soil

Construct Treatment Beds

4. Backfill Excavation with Treated Soil

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