



SITE REMEDIATION AND CLOSURE

RECLAIMING ENVIRONMENTAL LEGACIES

AT THE END OF THEIR LIFESPANS, COMMERCIAL, INSTITUTIONAL AND PRIVATE ACTIVITIES REQUIRE SITE-SPECIFIC, SUSTAINABLE RESTORATION EFFORTS. WHATEVER AND WHEREVER THE CHALLENGE, WSP'S TEAM OF EXPERTS CAN PROVIDE INNOVATIVE SOLUTIONS.

300

Site Remediation and
Contaminated land
specialists across Canada

35

Years of Industry Experience



DELIVERING WORLD-CLASS SITE REMEDIATION AND CLOSURE EXPERTISE

Site remediation, management, and closure projects are oftentimes sitespecific and complex, requiring technical and innovative expertise. A significant investment is required to meet individual site objectives and goals while remaining in regulatory compliance.

For more than 35 years, WSP's team of site remediation and closure experts has developed expertise by providing technical services for numerous projects of all types. Our team listens to the needs of our clients to evaluate and assess the precise requirements for each site in order to employ a holistic approach that is practical, innovative and socially acceptable.

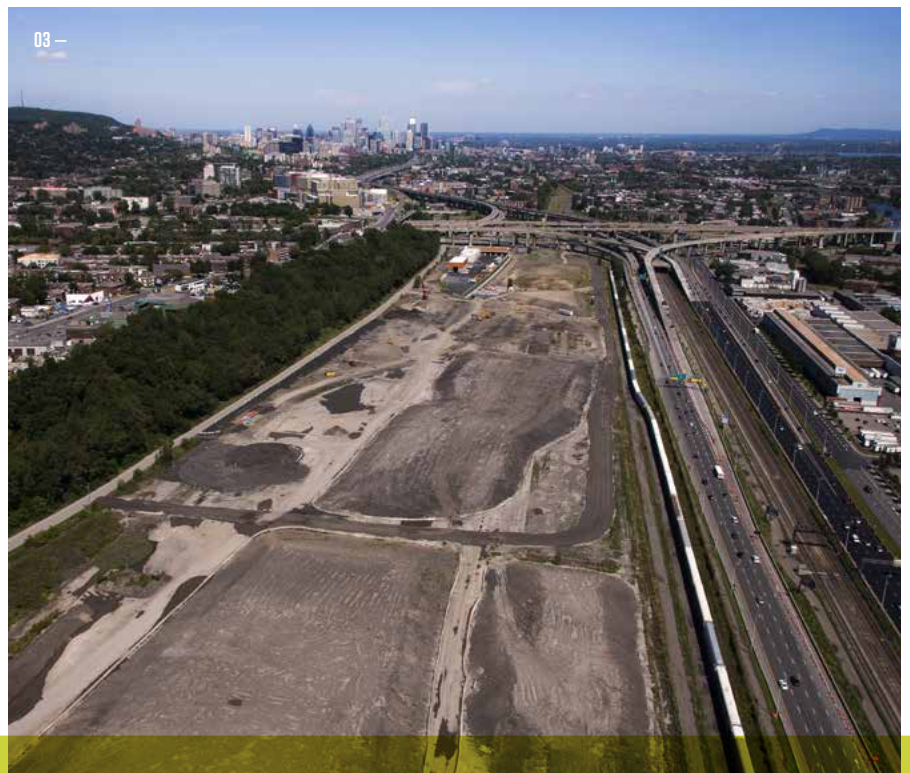
We offer a complete range of services for site remediation, management, and closure that cover the life cycle of the rehabilitation project including: investigation, design, environmental studies, permitting, stakeholder consultation, detailed engineering, owner's representation and construction monitoring.

In our work with various clients, we have earned a reputation for providing value added services, quality and professionalism.

This is demonstrated by WSP being awarded the coveted Schreyer award for the closure of the Glencore Xstrata Mines Gaspé mine and smelter complex, as well as numerous US EPA awards for remediation of brownfield sites.

IMPLEMENTING SITE REMEDIATION AND CLOSURE OPTIONS

WSP's team of site remediation and closure experts has developed the know-how in providing sophisticated technical services. Our team actively listens to the needs of our clients to evaluate and assess the precise requirements for each site in order to employ the best and most comprehensive approach that is also innovative, practical and socially conscious. In addition to having the ability to transform our clients' visions into reality, we make every effort to provide sustainable solutions.



01 CFB WILLOW PARK NOVA SCOTIA, CANADA

WSP was responsible for implementing a contaminated materials management plan at a Canadian Forces Base in Willow Park. Services provided included: site inspection and monitoring of contaminated soil and ground water during construction, supervision of contaminated soil disposal, review of risk management protocols, emergency spill response and acid slate management.

02 BOMBARDIER'S 8 OIL DEPOT QUEBEC, CANADA

WSP responded to a kerosene spill at the Bombardier No. 8 oil depot. Our team provided services which included pumping and disposal of spilled product to an authorized site, excavation and contaminated soil management and excavation sampling. Water samples were taken to test the downstream hydraulic system from an observation well.

03 MINISTRY OF TRANSPORTATION OF QUEBEC, TURCOT PROJECT PHASE 1 QUEBEC, CANADA

WSP has been tasked with the challenge of implementing a remediation project into a construction schedule for the colossal Turcot Interchange project. For the next five years, WSP will act as the lead environmental consultant and provide remedial design techniques for this monumental undertaking.

GLOBAL EXPERTISE

We understand our clients' needs and believe it is our job to provide innovative site-specific solutions for projects of all types and sizes, from residential complexes to oil and gas production sites, and major mine closures.

For the London 2012 Olympics, WSP successfully undertook the regeneration project of an Olympic site, one of largest of its kind. Groundwater remediation was a huge challenge for the Olympic Park site, which was transformed from a 550 acre post-industrial contaminated landscape into an Olympic venue in less than five years. Meanwhile, in the USA, our teams resolved a 10 year-old RCRA hazardous site in Ohio in less than 19 months. The facility in question was remediated into a sustainable municipal park coming under budget by \$5M. Across the world, we have successfully completed remediation on diverse sites including oil refineries and facilities, bulk storage sites, mine and smelter sites, steel works, chemical works, former manufacturing sites, and landfills. Our unique combination of professional skills, backed by our expansive global reach, allows us to provide the latest thinking and the best client service regardless

WHAT WE DO

REMEDIATION AND CLOSURE PLANS

Site-specific Remediation and Closure goals, including legacy issues

Detailed plans, specifications and cost estimates

Regulatory compliance

Stakeholder consultation

Site Decommissioning

SITE ASSESSMENTS

Phase I/II/III/IV and Geotechnical assessments

Hazardous materials characterization and management

Contaminated soil and groundwater management

Bioremediation

REMEDIATION AND CLOSURE MANAGEMENT

Preliminary and detailed engineering with plans and specifications

Environmental monitoring (air, noise, water)

Permitting, Construction, demolition and material management

25

Countries in which WSP has completed Remediation Projects around the world

1,000

Professionals involved in contaminated site assessment and remediation projects around the world

6

Centres of expertise (Canada, USA, UK, Sweden, South Africa and Australia)

ABOUT WSP IN CANADA

As a Canadian multinational, WSP is one of the world's leading engineering consulting firms. A leader in transforming the built environment and restoring the natural environment, our expertise ranges from engineering iconic buildings to designing sustainable transport networks, to environmental remediation and urban planning, to developing tomorrow's energy sources and finding innovative ways to extract essential resources. Working with governments, businesses, architects and planners, we provide integrated solutions for all of the markets in which we operate. With 8,700 dedicated professionals in Canada, supported by a worldwide network spanning 40 countries, our teams are committed to helping our clients succeed no matter how they grow, what they choose to do, or where they move.

wspgroup.ca
environment-canada@wspgroup.com

© 2015 WSP Canada Inc. All rights reserved.
CA-MK-BR-007-EN-201511