

Mining & Aggregates Capability Statement



INTRODUCING WSP ENVIRONMENT & ENERGY

WSP Environment & Energy, one of the world's leading environmental consultancies is part of WSP Group plc, an international management consultancy firm with over 10,000 staff globally. We provide innovative and commercial solutions to environment related business issues for some of the world's leading businesses. Our reputation is for the delivery of technically excellent, commercial and pragmatic advice, and for offering flexible and rapid service delivery for our clients.

WSP ENVIRONMENT & ENERGY SERVICES

- Air Quality Management
- Asbestos Surveys
- Climate Change Consultancy
- Contaminated Land and Remediation
- Corporate Social Responsibility
- Due Diligence, Compliance and Liability Audits
- Energy Management and Efficiency
- Energy Project Development and Investment
- Environmental Management Systems
- Environmental Project Management
- Human Health and Ecological Risk Assessment
- Environmental Toxicology
- Environmental Training
- Geotechnical Investigations
- Groundwater Monitoring and Modelling
- Integrated Environmental Management
- Public Participation Programs
- Surface Water Hydrology
- Sustainability Management Systems
- Sustainability Reporting
- Sustainable Solutions
- Waste Management, Waste Characterisation and Delisting

WSP Environment & Energy (WSP) is a leading global environmental, energy, remediation and contaminated land consultancy with a broad range of expertise and experience in the mining sector.

We assist clients in the sustainable development and utilisation of mineral resources and associated beneficiation and support activities.

OUR MINING AND AGGREGATES SERVICES

WSP provides the following services to the Mining & Aggregates sector:

- Environmental Management Plans and Programmes
- Mine Closure Planning Rehabilitation
- Due Diligence, Liability Assessment and Environmental Auditing
- Environmental Services
 - Social and Environmental Impact and Risk Assessment
 - Environmental Risk Assessment and Management Systems (ISO14001)
 - Environmental Awareness and Training
 - Corporate Social Responsibility and Reporting
- Integrated Environmental Management
 - Waste Management Strategies
 - Integrated Water Management
 - Land Remediation
 - Environmental Monitoring and Assessment

SELECTED MINING AND AGGREGATES CLIENTS

Some of WSP's key multi-national clients in the mining industry include:

- Rio Tinto Limited
- AngloGold Ashanti Limited
- Kumba Resources Limited
- Anglo Platinum Limited
- Xstrata South Africa (Pty) Ltd
- Richards Bay Minerals
- Assore Limited
- Ingwe Coal
- Anglo American plc - Skorpion Zinc Mine

PROJECT EXPERIENCE

WSP consistently works on high profile Mining & Aggregates projects. Some examples include:

Social and Environmental Impact Assessment and Mine Closure Planning and Rehabilitation for Murowa Diamond Mine, Rio Tinto in Zimbabwe

This project comprised a Social and Environmental Impact Assessment for the expansion of the Murowa diamond mine from the current 200 000 tonnes per annum to 2 million tonnes per annum. Mine Closure Planning and Rehabilitation was undertaken for the planned end of Life of Mine for the full operating facility.

Merensky and UG2 Project EMP Amendment for Amandelbult Section, Anglo Platinum, in Limpopo Province, South Africa

An EMP Amendment was undertaken in accordance with applicable legislation for the development of No 3 Shaft and No 4 Shaft Platinum mines for the Merensky Project. The UG2 Project included a mine expansion project.

Motaganeng Rehabilitation and Redevelopment Project for Anglo Operations Limited in Mpumalanga, South Africa

The Motaganeng Project is a mine site rehabilitation project undertaken through land use change and development in a declared Poverty Node. An abandoned open cast Magnesite Mine is being rehabilitated through a residential and commercial development, industrial development, screening plant, regional domestic waste disposal site and rehabilitation of disturbed areas.

This initiative won three Mail & Guardian 'Greening the Environment' Awards in 2007.

Environmental Services for the establishment of Skorpion Zinc Mine for Anglo American (Base Metals) in Namibia

WSP undertook all environmental services for the exploration and establishment of Skorpion Zinc Mine, including the exploration EMP's, project EIA, construction management plans and compliance monitoring and the development and implementation of an ISO 14001 accredited EMS. *Skorpion Zinc Project won the IAIA National Premium Award for Environmental Excellence.*

EMS Development, Implementation and Certification for Anglo Coal's Landau, Bank, New Vaal, New Denmark, Greenside and Goedehoop Collieries in Mpumalanga, South Africa

The design, development and implementation of an Environmental Management System based on the international ISO14001 standards. All of the above collieries received ISO14001 accreditation.



KEY PERSONNEL



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Kim has 7 years post-graduate experience in the field of environmental and contaminated land consulting and is the team leader of the WSP Environmental Services Johannesburg Unit. Kim has extensive experience and expertise in Contaminated Land Studies, Legal Compliance Auditing, Systems Development and Management, Environmental Insurance and Environmental Training.