

WASTE KHORO 2019: Asbestos and Land Remediation Summit

18-20 September 2019



"Good Green Deeds towards a Recycling Economy and Sustainable Land Remediation"

NATIONAL ASBESTOS MANAGEMENT STRATEGY: ASBESTOS RISK FREE BY 2030

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PRESENTATION OUTLINE

- Problem Statement
- Scope of project
- Conclusion



Problem statement

- Exposure to asbestos is detrimental to health;
- Asbestos migrated to surrounding poor communities due to wind from historical asbestos mines;
- There are no landfill site to handling asbestos in communities where asbestos was mined
- Asbestos material does not have reusable and recyclable value and this limits private funding;
- The disposal is only management option for asbestos management;
- People are still ploughing crops and do gardening in their yard despite asbestos in the soil and this results in exposure through the inhalation;
- There are existing stockpile of asbestos pipes in farming communities and there are no known technologies available to deal with such pipes;
- Communities resist establishment of asbestos landfill sites in their areas and potentially promoting illegal dumping due to lack of access to capable landfill site;



Scope

- Develop situational analysis for management of asbestos in the country:
 - Literature review on asbestos management;
 - List of historic asbestos mines and their rehabilitation status;
 - Status of landfill sites that are capable of handling asbestos and investigate possibility of using general landfill sites to dispose of asbestos;
 - Integrated sustainable land and mine rehabilitation measures;
 - Barriers that can lead to minimal compliance to asbestos management laws;
 - Best asbestos management practise;





Scope

- Number and type of jobs that will be created;
- Sustainable safe agricultural practises in communities affected by asbestos;
- Cooperative model for working with all the stakeholders;
- Remediation techniques applicable for asbestos contamination;
- Capacity of laboratories to test for presence of asbestos;
- Investigate the number and type of jobs that will be created;
- Investigate sustainable safe agricultural practises in communities affected by asbestos;





Scope

- Investigate the number of historical asbestos mines and their rehabilitation status;
- Evaluate the possibility of using general landfill sites to dispose of asbestos containing materials, given that where asbestos was mined there are no public hazardous landfill site that are capable of handling asbestos material and establish operational standards that must be met by such landfill site;





Scope

- Investigate integrated sustainable land and mine rehabilitation;
- Develop a sustainable funding model for asbestos management and costing of the entire plan;
- Develop integrated awareness education and communication action plan for asbestos management in the country;
- Investigate barriers that lead to minimal compliance to asbestos management laws;
- Develop cooperative model for working with all the stakeholders





Scope

- Investigate the extent of asbestos water pipes stockpiles in the country;
- Investigate the type of support that is required to be provided in the communities affected by asbestos;
- Identify asbestos mud houses and establish long term plan to eradicate such houses;
- Develop National Implementation Plan for asbestos Management in the country; and Monitoring plan





Conclusion

- The tender for this project has been advertised in tender bulletin;
- Service provider will be appointed soon
- Consultative process to be followed; in terms of section 72 and 73 of the Waste Act
- Focus groups will be formed;
- For further clarity contact: Dr Mpho Tshitangoni: Email: Mtshitangoni@environment.gov.za, Mr Matjelele Phaladi and Xoliswa Bango: Email: XBango@environment.gov.za



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Thank you

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