

CONTAMINATED SOIL

DOCUMENT NO: EHS 023



INTRODUCTION

The City of Karratha's 7 Mile Landfill Facility is licensed by the Department of Water and Environmental Regulation (DWER) as a Class 3 landfill site. Therefore, potentially contaminated waste disposed of at the site must comply with guideline levels for a Class 3 landfill site. The Class 3 guidelines only allow for a certain level of contamination by particular substances as defined in the DWER document titled *Landfill Waste Classification and Definitions 1996 (As amended 2019)*. This is available by [download](#) from the DWER website.

HOW IS THE TYPE AND LEVEL OF CONTAMINATION DETERMINED?

To determine the types and levels of contaminants present in the soil samples from the soil must be taken and sent for analysis by a NATA accredited laboratory. The samples must be representative of the entire mass of contaminated soil therefore a statistically significant number of samples is to be taken from different points throughout the entire consignment. Clients are encouraged to engage accredited environmental consultants to undertake these tasks.

The contaminant analysis of the soil must include hydrocarbon (with emphasis on BTEX, aromatic and aliphatic varieties) and heavy metals analysis. Other analysis for pesticides, PCBs and similar contaminants may be required based on what the soil has been exposed to. If it is expected that the analysis will exceed the Class 3 criteria, leachable concentration (ASLP) and/or Concentration Limit (CL) values must be obtained.

A copy of the analysis report must be sent to the City of Karratha Waste Services, where the analysis will be assessed against Class 3 landfill acceptance criteria. With this analysis the following details are requested: the volume of waste to be disposed of, the estimated date or range of dates for disposal, the name of the client and an email or fax address to send the permit to. This information should be forwarded to City of Karratha industrialwaste@karratha.wa.gov.au for review.

If the analysis indicates compliance, Waste Services will issue a Hazardous Waste Disposal Permit which may have additional conditions for disposal. If the waste is not able to be accepted, the client will be notified.

WHAT IF THE LEVEL OF CONTAMINATION EXCEEDS CLASS 3 LANDFILL ACCEPTANCE CRITERION?

If the analysis of the waste material indicates that it exceeds the Class 3 acceptance criterion, the City of Karratha will not be able to accept the waste at the 7 Mile Landfill facility. Alternative arrangements must be made with a commercial waste provider to transport and dispose of the waste at an appropriately licensed facility.

ADDITIONAL INFORMATION

If you would like additional information on contaminated soil, please contact:

City of Karratha, Waste Services

Ph: (08) 9186 8555

E-mail: enquiries@karratha.wa.gov.au

Website: [Commercial waste | City of Karratha](#)

DISCLAIMER

This information sheet is provided as generalised information. While we aim to keep the content of this document current and accurate, we accept no responsibility or warranties for actions based on the information provided. The City of Karratha encourages you to seek professional advice before acting on any information contained within this document. Please contact the city of Karratha if you wish to comment on the forms provided and information contained within. Any reported errors will be amended.