

Operator Assessment of Potential for Category A Facilities	
	Preliminary
Q1	Does the WMP Include Any Waste Facilities
	Yes
Yes	You should identify the facility and follow the questions below.
No	If you have no waste facilities no further consideration is needed.
Note	Categorisation as a waste facility is described in Chapter 3. Some sites will not have any. Some sites may have more than one facility
	Identification of facility
	Mine Waste Facility (MWF) containing filtered tailings. As per Hoy Dormann dwg 2016021-P-CIV-005.
Note	Insert Name or IGR ref above or state "None"
	Hazardous Waste or Dangerous Substances
Q2	Will the waste facility contain hazardous waste or dangerous substances?
	No. Classification of all waste streams has been carried out using thresholds in Decision 337/2009/EC.
Yes	Consider the thresholds in Decision 337/2009/EC. If exceeded the facility will be Category A.
No	The facility will not be Category A on account of material. Move on to question 3.
Notes	Chapter 2 describes the scope for hazardous waste.
	Major Accident - Serious danger to human health or loss of life
Q3	Does the existing facility (or would the planned facility) constitute a significant hazard under the terms of the Quarries Regulations 2006
	Yes. Automatically qualifies as land covered exceeds 10,000sq m, the height of the tip exceeds 15m and the average gradient of the land exceeds 1V:12H.
Yes	Proceed to Q4.
No.	The facility should not pose a serious danger to human health or loss of life but you should still make the confirmation required in Question 4
Q4	Can you, as operator, confirm the following?
	(a) that in your opinion structural failure or incorrect operation of the waste facility would not result in potential for loss of life or serious danger to human health considering any human beings other than site workers, who are present outwit the site, permanently or for prolonged periods.
	(b)(i) the operation complies with the Quarries Regulations 2006 (ii) that where the facility is or would qualify as a significant hazard the necessary geotechnical assessment work for the waste facility has been undertaken
	(iii) any notifiable tips have been notified to the HSENI.
	Yes. Independent geotechnical assessment has been undertaken to ensure that the MWF stability will be maintained under all loading conditions. No slurry or excess water will be stored in the MWF. Material will be placed and compacted. A flow type failure is not considered to be a credible failure mode. A detailed risk assessment has been undertaken in the WMP, to ensure that all potential failure mechanisms have been considered during the design process. HSENI will be notified during planning application submission.
Yes	The facility should not be treated as Category A on this count at this stage.

No	If you are not confident in certifying that your facility does not pose such a risk you should seek advice from a geotechnical specialist. Your WMP cannot be approved meantime.
	Major Accident-Serious danger to the environment
Q5	(whether or not classed as a significant hazard under the Quarries Regulations), is there a type of event where solid waste or slurry material could spill over the site boundary or onto an undisturbed area of the site. If so it would be useful if you could estimate the maximum reach of any spill or state a distance beyond which it certainly would not reach, taking into account the surrounding landform.
	No. The facility will store compacted solid waste and will not store slurry or appreciable amounts of excess water. Potential for flow type failure is not regarded as a credible failure mode. Internal drainage features are included in the MWF, which will not permit build-up of excess porewater pressure in the facility. Compaction of the MWF reduces potential for seepage through the facility (As a result of rainfall). In the event of underdrainage failure, there is an HDPE liner system in place to prevent upward migration of water into the MWF.
Yes	Continue to Question 6.
No	The facility does not qualify as Category A on this basis.
Note	There is no question of considering the probability of the failure here. You should consider the effect any of the failures or incorrect operations which could conceivably occur at this facility. In many cases it will be possible to estimate from general principles the safe maximum extent of any spill .This information will assist the planning authority to confirm agreement on the impact under question 7 below.
Q6	Are there any designated habitats which might be affected by the spill
	No credible risk of spill from the MWF.
Yes	Go to Question 7.
No	Go to Question 7.
Note	This should certainly include any international or national designations. Local designations should be noted where known.
Q7	Is it predicted that the impact of a spill would exceed the criteria for serious danger to the environment in Decision 337/2009/EC?
	(a) the intensity of the potential contaminant source strength is decreasing significantly within a short time;
	(b) the failure does not lead to any permanent or long-lasting environmental damage;
	(c) the affected environment can be restored through minor clean-up and restoration efforts.
	No. As discussed above, a flow type failure from the MWF is not considered to be a credible failure mode. No excess water is stored in the MWF, all water reports to the clarification ponds, which have sufficient contingency to store flows from normal operations and storm events.
YES	If it is predicted (in the first instance) that these criteria would be exceeded you should confirm this through a specific evaluation in the context of a source pathway- receptor. In very clear circumstances this is expected to be a simple statement.

NO	The facility does not qualify as Category A on this count. If the preceding questions have been properly followed the facility will not be Category A
Notes	You should provide the reasoning behind your conclusion (whether positive or negative). Where there is doubt you may be asked to provide a specific evaluation following Decision 337/2009/EC. However in the absence of any other information where waste is non hazardous and there are no high sensitivity habitats such as those with ecological designations it will generally be reasonable to assume that the impact would fall below the above criteria and would not amount to serious danger to the environment
Q8	Is there any other risk of serious danger to the environment above the thresholds in Decision 337/2009/EC (i.e. those in Q7 above) which might result from incorrect operation such as unmitigated acid rock drainage?
	No. Source pathway receptor modelling carried out using PHREEC and Modflow software packages to ensure that the groundwater and surface water quality will not be impacted during both the operations and closure phases of the project.
Yes	You should undertake a specific evaluation in the context of a source pathway-receptor chain to demonstrate whether or not the facility qualifies on this count.
No	The facility is not identified at this stage as Category A on this account.
Notes	If the planning Authority or statutory consultees raise other significant considerations this aspect may need to be revisited. Impacts from extractive waste not already covered above (i.e. on account of hazardous waste, dangerous substances or physical movement) are however likely to be limited especially where the extractive waste is inert
	Operators Conclusion
	Not Category A