

Barette Plant Hire Ltd
Risk Assessment/Method Statement (RAMS) ENVIRONMENTAL

Organisation details			
Client Name:	BARETTE PLANT HIRE LTD	Contact Name:	JEREMY PHILLIPS
Address:		Contact Position:	CONTRACT MANAGER
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Project details:			
Project:	WASTE RECYCLING – FIELD P962, BEAUMONT, ST PETER	Area:	
		Reviewed by:	
		Position: Contracts Manager	Date

Level	Description of Consequence or Impact	Consequence	Likelihood/Probability		
			L <i>Likely</i>	M <i>Moderate</i>	U <i>Unlikely</i>
H (1) <i>(High level of harm)</i>	Potential death, permanent disability or major structural failure/damage. Off-site environmental discharge/release not contained and significant long-term environmental harm.	H (1) <i>(High)</i>	1	1	2
M (2) <i>(Medium level of harm)</i>	Potential temporary disability or minor structural failure/damage. On-site environmental discharge/release contained, minor remediation required, short-term environmental harm.	M (2) <i>(Medium)</i>	1	2	3
L (3) <i>(Low level of harm)</i>	Incident that has the potential to cause persons to require first aid. On-site environmental discharge/release immediately contained minor level clean up with no short-term environmental harm.	L (3) <i>(Low)</i>	2	3	3
Level	Likelihood / Probability				
Likely	Could happen frequently				
Moderate	Could happen occasionally				
Unlikely	May occur only in exceptional circumstances				

Item	Source	Hazard	Receptor	Control measure	Risk Level	Action
1	Vehicle movements	<p>Risk of ground contamination due to oil /fuel leaks</p> <p>Risk of elevated dust levels</p> <p>Rick of unnecessary noise</p>	<p>BPH staff & visitors</p> <p>Neighbours</p> <p>Soil and floor</p>	<ul style="list-style-type: none"> • Clear Signage • Well manged site with limited traffic movements • Provide appropriate training • Inform users of the site rules before arrival • Dampen when necessary • Clean up any visible contamination • Regular checks • Minimise use of vehicle horns • Enforced speed limit 	3	To be confirmed when complete
2	Tipping of waste	<p>Risk of dust clouds</p> <p>Risk of elevated noise levels</p> <p>Risk of receiving non-conforming waste e</p> <p>Risk that cross-Contamination of unprocessed waste occurs</p> <p>Risk that the site floor / soil becomes contaminated</p>	<p>Site Floor</p> <p>Neighbours</p> <p>Ground water</p>	<ul style="list-style-type: none"> • Tipping area to be clearly identified • Only conforming waste to be accepted, strict inspection regime in place • Site rules to be displayed on site and drivers informed prior to delivery • Quarantine any non-conforming waste • Recruit appropriate staff for receiving and monitoring of waste • Implement training program to cover site rules, Health and Safety and WAC • Spill kit available • BPH staff to only accept vehicles that appear to be well 	3	

				maintained		
3	Screening , crushing and grading	<p>Risk of unacceptable noise levels being heard beyond the boundary</p> <p>Ground water / soil contamination due to oil and/or fuel spillage</p> <p>Risk of site throughput being reduced due to Equipment/plant failure</p> <p>Processed materials becoming contamination with non-conforming waste</p> <p>Risk of excessive dust being generated</p>	<p>Site users</p> <p>Community / neighbours</p> <p>Site floor/soil</p> <p>Product sales</p>	<ul style="list-style-type: none"> • Keep equipment well maintained • Spill kits to be available • Equipment /Plant operatives to have received appropriate training • Before processing of waste , material is visually inspected by the plant operator • Provide clear guidance to the site operatives, identifying roles and responsibilities • Review capability of equipment to ensure best environmental practice • Provide environmental awareness training • Operative to remain vigilant • Processing to stop when noise and/or dust emission levels are raised • Processing to always be undertaken in damp climatic conditions 	3	To be regularly monitored

4	Stock piling of processed materials	<p>Risk of contaminating sale products</p> <p>Risk of generating dust</p> <p>Risk of causing excessive noise beyond the boundary</p> <p>Risk of leachate accumulating around soil pile</p>	<p>Sales area</p> <p>Neighbours</p> <p>Release of materials not conforming to the end user expectation</p> <p>Site floor</p>	<ul style="list-style-type: none"> • Stockpile bays are to be well signposted • Tipping of materials to be undertaken in a manner that will minimise dust and noise emissions • Appropriate training in the safe use and best environmental practice of equipment to be provided • All end product stockpile bays to be regularly inspected to ensure material meets the appropriate standard set in accordance with the customers use requirements • Soil stockpile is to be turned on a regular basis to minimise the risk of leachate accumulating. If deemed necessary the stockpile is to be covered in extreme rain events • During the winter months the soil stock pile depending on organic content is to be kept to a minimum 	3	
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6	Re-Fuelling of machinery	<p>Risk of contaminating the site floor</p> <p>Risk of causing a fire</p> <p>Risk of contaminating the ground water</p> <p>Risk of contaminating waste stock piles</p>	<p>Natural environment surrounding and below the site</p> <p>Natural habitat due to fire risk</p>	<ul style="list-style-type: none"> • The pathway to groundwater is extremely limited due to the compact nature of the site floor • Refuelling to only be undertaken by an appropriately trained operative • Mobile bowser with all safety equipment to be used (no on-site fuel storage) • Spill kit to be available • Operative to have received fire training • Any spillage to be immediately contained to prevent run off and/or excessive seepage to the floor materials 	3	
7	Vehicles entering and leaving site	<p>Risk of collision with other users on the public highway</p> <p>Risk of the highway becoming soiled</p>	<p>Public</p> <p>Lorry drivers</p> <p>Risk of debris falling onto the road</p>	<ul style="list-style-type: none"> • When site conditions are conducive to maintaining a clean road the site will either be closed or a system put in place to remove the mud from the tyres • All vehicles to enter and exit from the north. Entering the site when driving up the hill is prohibited • Vehicles entering the site take priority over exiting vehicles. • Signs will be visible • Strict site management will enforce traffic rules • All vehicles to be checked by the driver before exiting onto the highway 	2	

8	Storage of waste residue (metal plastic, burnable) in skips	<p>Risk of litter being generated</p> <p>Risk of excessive noise being generated whilst collecting and dropping off</p> <p>Risk of materials falling from skip</p> <p>Risk of non-conforming wastes being deposited in the wrong skip</p>	<p>Neighbours</p> <p>Site users</p> <p>Contaminating a third party site</p>	<ul style="list-style-type: none"> • Only use appropriately trained contractor • Provide clear signage for what is and isn't acceptable to be put in the relevant skips • Keep burnable skip covered • Only use well maintained skips • Regularly monitor the content to check for any non-conforming waste 	3	
9	General Site floor	<p>Risk of hydrocarbon pollution</p> <p>Risk of surface water run off</p> <p>Risk of excessive dust emissions</p> <p>Risk of the natural habitat and environment becoming destroyed</p>	<p>Surrounding area</p> <p>Site floor</p> <p>Ground water</p> <p>Natural environment</p>	<ul style="list-style-type: none"> • Staff are to remain vigilant and any sign of pollution being dealt with quickly to prevent further contamination spread • Spill kit available • The site naturally percolates down though the site floor which is made up of inert infill • There is no direct pathway to the underground stream. The stream has additional protection as it is enclosed in a calvert. • The site floor is constructed of inert fill which has been undertaken over many years, and has become extremely compact • To minimise site rain run-off during heavy rainfall a natural boundary bank has been created to contain water generated on site. any excessive water accumulations will be tankered to a licenced discharge point or if 	3	

				deemed appropriate and safe to do so, spread on an agricultural fields in accordance with the code of good agricultural practice	
10	Odour	<p>Risk of odorous smells being detected beyond the site boundary</p> <p>Risk of odorous smells being generated from stagnated water</p>	Neighbours	<ul style="list-style-type: none"> • Organic waste mixed with soil to be processed and removed from site within 48 hours • Odorous vegetation not accepted on to site • Any visible pools of water will be removed becoming stagnant • Soils are to be turned on a regular basis to prevent the material becoming anaerobic 	3

11	Litter	<p>Risk that litter travels beyond the site</p> <p>Risk that litter is picked up by rodents</p> <p>Risk that debris builds up in the surrounding woodland</p>	Natural surrounding environment	<ul style="list-style-type: none"> • Site operates a clean site policy • Daily litter picks are to be undertaken including the surrounding area • Skips that litter could become airborne from are to be covered • Items that could become airborne are not to be accepted on site • On a 6 monthly basis the surrounding areas are to undergo a deep clean, to remove any litter which may have accumulated in the trees 	3	
12	Noise and Vibration	<p>Risk of noise emissions becoming a nuisance to nearby receptors</p> <p>Risk of equipment producing noise levels above there design capability</p> <p>Risk of excessive noise being generated by the site users</p> <p>Risk of vibration being caused by the crushing of stone</p>	<p>On-site staff /visitors</p> <p>Community / Neighbours</p>	<ul style="list-style-type: none"> • An acoustic bank and fence constructed in accordance with the noise assessment report • Crushing and screening times to be controlled. Not to commence before 8.15 and not to continue beyond 4 pm (Monday – Friday) 8.15 to 1 pm (Saturdays) • Equipment to be used in accordance with the manufacturers recommendations • Site staff to remain vigilant and sensitive to activities that cause unnecessary noise events, stopping the activity whenever necessary 	3	

13	Dust	Risk of dust particulates being spread beyond the boundary	<p>Neighbours</p> <p>Community, site users, road users</p> <p>The surrounding natural environment</p>	<ul style="list-style-type: none"> • Activities are stopped when there is a risk that dust particulates can become airborne and travel beyond the boundary • Grading and screening operations will be closely monitored during dry climatic conditions. • Activities are suspended when the wind is too strong and have the ability to carry dust • There is a water tanker on site and available for use at short notice • Stockpiles are continually monitored for dryness and when necessary dampened • Site staff are loading or moving material is undertaken in a manner that ensures the free fall material does not become airborne • The site has its own dust suppression equipment located on the access drive • The site will be dampened during dry periods 	3	
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14	Mud & debris	<p>Risk of mud and/or debris being deposited on the highway</p> <p>Risk of light particulates being blown from loads</p> <p>Risk of stone falling from overloaded lorries</p>	Road users	<ul style="list-style-type: none"> • The site is closed to traffic entering and exiting when there is a risk of debris appearing on the highway • Staff continue to monitor the situation • When climatic conditions require, all vehicles prior to departure from the site will be inspected and any debris that has the potential to fall onto the road will be removed • The site if necessary will install a wheel shaker grid to remove debris attached to the wheels • Vehicles that may be exiting with dry light product that could become airborne will be required to cover their load • Loads prior to leaving site will be inspected by the driver and the loader operative to ensure the load is secure 	3	
15	Security	Risk of vandalism	<p>Equipment being destroyed</p> <p>Environmental damaged caused by fire, and/or pollution</p>	<ul style="list-style-type: none"> • The site is secluded in the bottom of a valley is generally out of sight of the general public. The site is deemed a security low risk • Site camera to be installed with a detection sensor which will alert the site manager of any unauthorised activity • Entrance gate installed • Boundary perimeter identified by a surrounding bank , natural vegetation and trees • The site will be appropriately sign posted to deter intruders • All vehicles will remain locked outside the site opening hours • Burnable waste to be kept to a 	3	

				minimum <ul style="list-style-type: none"> • Skips containing burnable items to be kept away from equipment, buildings and plant • Site office is to remain locked at all times 		
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Risk Assessment Authorised by:

Date:

RAMS:

	<p>This Environmental RAMS have been produced in support of the Waste Management Site Licence application. These procedures are being implemented and developed as the site is developed in accordance with Planning reference P/2016/1732 , submitted documents, conditions and approvals</p> <p>All BPH management and site staff will be made aware of this document and will each sign as a record as having read and understood their obligations</p>
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Print Names:	Position:	Signatures:	Date: