



Environmental Management System

Site A & B Environmental Risk Assessment

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Delivery, Site & Despatch Vehicles						
Identification of Potential Risks			Control Measures	Assessment		
Environmental Risk & Receptors	Initiating Event	Condition N/A/E	Risk Management Controls	Residual Risk		
				P	S	R
Odour – Humans Site A The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 120m to the west of the installation boundary of the slaughtering site Site B – Receptors adjacent to all sides of the boundary. The closest being within 20 of the boning site	Site A Odour from livestock vehicles Applicable in both windy and still conditions Site B – Clean materials only- low odour	N/A/E	Clean Livestock Policy to minimise potential odours Deliveries scheduled to minimise lairage vehicle waiting times Vehicles are regularly washed down as part of Gov regs.	4	2	8
Noise – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 20m to the North of the installation boundary of the Boning site.(site B)	Noise from site due to Vehicles moving/ unloading/loading, including the sound of livestock. Noise is more likely to be an issue in still conditions. Noise from poorly maintained vehicles.	N/A/E	Drivers instructed not to rev engines unnecessarily or accelerate excessively when leaving or arriving on site. Livestock vehicles unloaded as soon as reasonable practicable. Company vehicles are maintained under contract. Site speed limits. No drops or pickups from site B between 20.00 and 07.00 in the morning. No forklift or pallet truck movement on site B between 20.00 and 07.00 in the morning. NMP in place	3	2	6

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Environmental Risk & Receptors	Initiating Event	Condition N/A/E	Risk Management Controls	Residual Risk		
				P	S	R
Surface Water – Washdown water, leaks or spills to ground, ground water, sewer and surface water Closest surface water is 325m to the North West Site management confirm all waters discharge to sewer network and none to surface water	Unloading of animals from vehicles causing manure and urine to enter water courses. Delivery /Collection vehicles containment failure or collision leading to significant spillage of materials including vehicles fuels and oils.	N/A/E	Regular yard cleaning to prevent build up of material that could spill over and block drains. Lairage and ABP yard drains discharge to sewer effluent drainage system. Site B all process drains lead to catchment pit. Provision of spill kits at delivery and collection points Vehicles maintained under service contract. All site roads are covered by hardstanding Site speed limit.	2	4	8
	Fuel/Oil leaking from parked vehicles	A/E	Vehicles maintained under service contract. All site roads are covered by hardstanding Provision of spill kits. All vehicles parked on hardstanding.	2	4	8
Groundwater	Delivery /collection vehicle containment failure or collision leading to significant spillage of materials, including vehicle fuels and oils. Fuel/oil leaks from parked vehicles. Materials entering ground through hardstand/drain leaks	A/E	Vehicles maintained under service contract. All site roads are covered by hardstanding Provision of spill kits. All vehicles parked on hardstanding. Regular monitoring of site infrastructure as part of EMS	3	2	6
Waste Production	Failure of vehicle containment will lead to spills of materials	A/E	Deliveries and dispatch supervised. Site speed limit. ABP removed daily form Site A (transferred in dolavs from Site B)	1	4	4

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	which need to be cleaned up and disposed of as waste.					
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Lairage (N/A to Site B)						
<i>Identification of Potential Risks</i>			<i>Control Measures</i>		<i>Assessment</i>	
<i>Environmental Risk & Receptors</i>	<i>Initiating Event</i>	<i>Condition N/A/E</i>	<i>Risk Management Controls</i>	<i>Residual Risk</i>		
				<i>P</i>	<i>S</i>	<i>R</i>
Odour – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 120m to the west of the installation boundary of the slaughtering site	Odours from the lairage areas. Potential for odours could increase due to breakdown/poor housekeeping/prolonged hot weather conditions	<i>N/A/E</i>	Clean Livestock Policy to minimise potential odours Lairage is cleaned down weekly Animals are kept in the lairage for minimal time Deliveries could be redirected due to a prolonged shut down.	4	2	8
Noise – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 20m to the North of the installation boundary of the Boning site.	Noise from livestock	<i>N/A/E</i>	Lairage area covered Ovine animals not known for producing excessive noise.	4	2	8
Groundwater – Leaks or spills to ground or ground water	Materials entering ground through hardstand/drain leaks	<i>A/E</i>	Lairage yard areas cleaned daily. Regular monitoring of site infrastructure as part of EMS	2	4	8
Waste Production	Waste from animals not fit for slaughter	<i>A/E</i>	ABP removed daily Clean livestock policy Animal welfare policy	3	2	6

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Ancillary Production Materials and Chemical Storage						
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Environmental Risk & Receptors	Initiating Event	Condition N/A/E	Risk Management Controls	Residual Risk		
				P	S	R
Groundwater – Leaks or spills to ground or ground water, sewer and surface water Closest surface water 325m to the North West Site management confirm that all waters discharge to sewer network and none to surface water.	Spillage of cleaning chemical during unloading, storage or use. Spillage of fuels during unloading, storage or transfer to vehicle. Spillage from vehicle fuel tank	<i>A/E</i>	Cleaning chemicals stored in standard drums on bunded pallets. Fuel stored in dedicated tank provided with secondary containment Provision of spill kits Where possible chemicals stored inside on-site B Forklifts maintained under contract. All site roads covered with hardstand. Site speed limit.	3	2	6
Waste Production – Leaks or spills to ground or ground water	Spillage of cleaning chemical during unloading, storage or use. Spillage of fuels during unloading, storage or transfer to vehicle. Spillage from vehicle fuel tank	<i>A/E</i>	Cleaning chemicals stored in standard drums on bunded pallets. Fuel stored in dedicated tank provided with secondary containment Provision of spill kits Forklifts maintained under contract. All site roads covered with hardstand. Site speed limit.	3	2	6

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Production						
Identification of Potential Risks			Control Measures	Assessment		
Environmental Risk & Receptors	Initiating Event	Condition N/A/E	Risk Management Controls	Residual Risk		
				P	S	R
Odour – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 120m to the west of the installation boundary of the slaughtering site. Site B – Receptors adjacent to all sides of the boundary. The closest being within 20 N of the boning site	Odours from the process line. Impact could increase following process line breakdown	N/A/E	Process operations undertaken internally Following slaughter materials are fresh and kept cool to minimise odour potential. Prolonged shutdown would result in materials being sent off site for disposal.	3	2	6
Noise – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 20m to the North of the installation boundary of the Boning site.	Noise from the process line. Poorly maintained fans, pumps, compressors	N/A/E	Process lines are maintained by site engineers as part of a planned preventative maintenance program to minimise noise potential. Process operations are undertaken internally. Noise assessment completed July 2017, equipment moved and attenuated	4	2	8
Air – Atmosphere Pressure washer boiler flue gas	Poor maintenance of the equipment and burner systems leading to discharge of partially combusted fuel.	A/E	Equipment and associated infrastructure are maintained as part of planned preventative maintenance by site engineers and under service contract to help minimise potential for out of specification releases.	1	4	4

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Waste Production	Waste materials generated due to production	<i>A/E</i>	Equipment and associated infrastructure are maintained as part of planned preventative maintenance by site engineers and under service contract to ensure minimal risk of breakdown.	4	2	8
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Drainage and Effluent Control						
Identification of Potential Risks			Control Measures	Assessment		
Environmental Risk & Receptors	Initiating Event	Condition N/A/E	Risk Management Controls	Residual Risk		
				P	S	R
Odour – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 120m to the west of the installation boundary of the slaughtering site Site B – Receptors adjacent to all sides of the boundary. The closest being within 20 N of the boning site.	Any increased potential for effluent leads to potential for odours. Drain blockages left to degrade giving rise to odours	<i>N/A/E</i>	Site areas cleaned down daily Drains fitted with screens to collect solids to prevent them entering drain networks Catchment pit on Site B maintained	4	2	8
Noise – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 20m to the North of the installation boundary of the Boning site.	Noise from poorly maintained pumps etc.	<i>A/E</i>	Equipment maintained by site engineers as part of a planned preventative maintenance program to minimise noise potential.	3	2	6

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Site B – Receptors adjacent to all sides of the boundary. The closest being within 20 N of the boning site						
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Drainage and Effluent Control						
<i>Identification of Potential Risks</i>			<i>Control Measures</i>		<i>Assessment</i>	
<i>Environmental Risk & Receptors</i>	<i>Initiating Event</i>	<i>Condition N/A/E</i>	<i>Risk Management Controls</i>	<i>Residual Risk</i>		
				<i>P</i>	<i>S</i>	<i>R</i>
Surface Water – Discharge of out of Specification effluent Fugitive emissions to ground water, sewer and surface water. Closest surface water is 325m to the North West Site management confirm all waters discharge to sewer network and none to surface water	Leaks and spills could enter ground and ground water, leading to surface waters	<i>N/A/E</i>	Drainage system onsite comprises foul/effluent drains for domestic and process effluent. Drain will form part of the infrastructure monitoring program within existing EMS Housekeeping measures to ensure site is kept clean and tidy. Site B separate systems for foul and surface drainage	2	4	8
Groundwater – Fugitive emissions to ground & ground water	Failure of drainage containment leading to loss of materials from drains.	<i>A/E</i>	Regular monitoring of site infrastructure as part of EMS	2	4	8
Waste Production	Wastes materials generated due to drain blockages	<i>A/E</i>	Site areas cleaned down daily to collect solids and preventing them from entering the drain network.	3	2	6

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Waste and ABP Storage						
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Environmental Risk & Receptors	Initiating Event	Condition N/A/E	Risk Management Controls	Residual Risk		
				P	S	R
Odour – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 120m to the west of the installation boundary of the slaughtering site. Site B – Receptors adjacent to all sides of the boundary. The closest being within 20 N of the boning site.	ABP and Blood could give rise to odorous releases. Blood tank spillage left to degrade. Failure of tank abatement system.	N/A/E	ABP trailers removed from site frequently to prevent degradation during standing. Cat 1 and Cat 3 trailers collected daily, Gut content 2-3 times weekly Trailer s covered at the end of the working day. Blood removed from site on a regular basis – 3 times weekly ABP trailers are leak proofed so far as reasonably practicable to prevent spillages of liquid causing odours. Blood tanks filter to be monitored to confirm the carbon element remains effective. Dolavs of “cleaner” ABPs on site B, minimal volumes kept on yard.	2	4	8
Surface Water – Fugitive emissions to surface water.	Spillage/leak/failure of blood tank	N/A/E	Blood tank double skinned No surface water drains on site Spill kits provided Areas inspected as part of EMS	2	4	8

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Closest surface water is 325m to the North West Site management confirm all waters discharge to sewer network and none to surface water	Vandalism leading to damage of the site infrastructure	<i>A/E</i>	Secure site No surface water drains on site. Areas inspected as part of EMS	2	4	8
Groundwater – Leaks or spills to ground & ground water	Failure of hardstand or leaks in drains serving the ABP yard area resulting in pollutants entering ground water	<i>A/E</i>	Yard areas cleaned down daily Regular monitoring of the site infrastructure Spills cleaned by site staff. Spill kits provided Areas inspected as part of EMS	2	4	8

Waste and ABP Transfer & Collection						
Identification of Potential Risks			Control Measures	Assessment		
Environmental Risk & Receptors	Initiating Event	Condition N/A/E	Risk Management Controls	Residual Risk		
				P	S	R
Odour – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 120m to the west of the installation boundary of the slaughtering site Site B – Receptors adjacent to all sides of the boundary. The closest being within 20 N of the boning site	Movement and Handling of waste/ABP could give rise to odorous releases. Applicable in still or windy conditions	<i>N/A/E</i>	ABP trailers removed from site frequently Trailer s covered before leaving site. Blood tank tanker back vents via carbon filter Spills and leaks cleaned. Spill kits provided Areas inspected as part of EMS No external collections from Site B, materials transferred from Site B to Site A – “cleaner” ABP.	2	4	8

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"Noise – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 20m to the North of the installation boundary of the Boning site.	Noise from site due to vehicles moving/unloading/loading. Noise is more likely to be an issue in still conditions. Noise from poorly maintained vehicles	<i>N/A/E</i>	In-house drivers instructed not to rev vehicles unnecessarily or accelerate excessively when leaving site. In-house vehicles maintained under contract to minimise potential of noise emissions from poorly maintained parts. Site speed limit.	4	2	8

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Waste and ABP Transfer & Collection						
Identification of Potential Risks			Control Measures	Assessment		
Environmental Risk & Receptors	Initiating Event	Condition N/A/E	Risk Management Controls	Residual Risk		
				P	S	R
Surface Water – Fugitive emissions to ground water, sewer and surface water. Closest surface water is 325m to the North West Site management confirm all waters discharge to sewer network and none to surface water	Leaks and spills from failure of blood tank or ABP trailer could enter ground and ground water, leading to surface waters	N/A/E	No surface water drains on site Blood tank double skinned Spills cleaned by site staff. Spill kits provided Areas inspected as part of EMS Stored in dolavs on Site B	2	4	8
Groundwater – Leaks or spills to ground & ground water	Failure of hardstand or leaks in drains serving the ABP yard area resulting in pollutants entering ground water	A/E	Yard areas cleaned down daily Regular monitoring of the site infrastructure Spills cleaned by site staff. Spill kits provided Areas inspected as part of EMS	2	4	8

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Boiler, Generator and Hot Water Systems						
Identification of Potential Risks			Control Measures	Assessment		
Environmental Risk & Receptors	Initiating Event	Condition N/A/E	Risk Management Controls	Residual Risk		
				P	S	R
Noise – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 20m to the North of the installation boundary of the Boning site.	Noise from boiler units Noise from poorly maintained boilers, pumps and associated infrastructure	N/A/E	Pressure washer units have very small boilers with low noise potential. Some local and intermittent noise associated with the use of the pressure washer. Little possibility of impact beyond the site boundary. Steam boilers are small with little noise potential and are housed inside buildings. Infrastructure is maintained as part of PPM under service contract to minimise potential from poorly maintained parts.	1	2	2
Air – Atmosphere Point source discharge	Poor maintenance of the equipment and burner systems leading to discharge of partially combusted fuel.	A/E	Equipment and associated infrastructure are maintained as part of planned preventative maintenance by site engineers and under service contract to help minimise potential for out of specification releases.	1	3	3

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Refrigeration Systems						
Identification of Potential Risks			Control Measures	Assessment		
Environmental Risk & Receptors	Initiating Event	Condition N/A/E	Risk Management Controls	Residual Risk		
				P	S	R
Odour – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 120m to the west of the installation boundary of the slaughtering site Site B The closest residential receptor is 20m to the North of the installation boundary of the Boning site.	Refrigeration systems breakdown resulting in process materials /products degrading	N/A/E	Equipment and associated infrastructure are maintained as part of planned preventative maintenance by site engineers and under service contract	1	4	4
Noise – Humans The closest human occupied receptors are adjacent to all sides of the boundary. The closest residential receptor is 20m to the North of the installation boundary of the Boning site.	Noise from refrigeration units Noise from poorly maintained fans, pumps, compressors and associated infrastructure	N/A/E	Equipment and associated infrastructure are maintained as part of planned preventative maintenance by site engineers and under service contract to help minimise noise potential from poorly maintained parts	2	4	8
Air – Atmosphere Point source discharge	Leak from refrigeration systems resulting in escaped gases into the atmosphere.	A/E	Refrigeration systems use R404. Equipment and associated infrastructure are maintained as part of planned preventative maintenance by site engineers and under service contract	1	4	3



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