

WYNNSTAY GROUP PLC
LLANSANTFFRAID MILL
EAGLE HOUSE
LLANSANTFFRAID
POWYS
SY22 6AQ

PPC Permit Number WP3938SH

ACCIDENT MANAGEMENT PLAN

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accident management plan version 3.0

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2 Key Site and Emergency Contacts

Position	Name	Contact Number	mobile
Feeds Manager	Emyr Jones	01691 828512 Ext 2102	
Mill Manager	Ray Jones	01691 828512 ext 2127 or 01691 828154	07968 170299
Assistant Mill Manager	Jamie Davies	01938 500474	07530 972036
Electrician	Phil Griffiths	01691 830735	
Health, Safety & Environment Manager	Sandra Cipollaro	01691 828512	07808 901178
Environment agency 24 hour incident hotline		0800 80 70 60	
Environment agency Local Office		029 20245320	
Severn Trent		0800 783 4444	
Electricity Scottish Power		0845 272 2424	

3. List of Substances and Storage Facilities

Table 3.1 shows raw materials stored and risk assessment

Table 3.1 Raw Material Storage and Risk Assessment

Raw Material	Storage capacity tonnes	Average amount stored tonnes	Quantity of Release 0 = no release; 3 = large release	Risk to Receptors 1 = low risk; 3 = high risk	Likelihood of release 1 = unlikely; 3 is likely	Likelihood of environmental impact Quantity x Risk x likelihood: 1- 6 = low; 7-9 is medium; >10 high
Substances stored in silos/bins						
Wheat	600	450	3	1	1	3
Barley	80	36	3	1	1	3
Maize grits	15	10	3	1	1	3
Oats		15	3	1	1	3
Wheat feed	80	50	3	1	1	3
Oatfeed		15	3	1	1	3
Maize germ high oil	50	30	3	1	1	3
GM maize gluten	30	20	3	1	1	3
Malt residuals		25	3	1	1	3
GM distillers	30	20	3	1	1	3
Non GM soya	60	40	3	1	1	3
GM soya	30	20	3	1	1	3
Non GM full fat soya	15	10	3	1	1	3
Soya hulls		30	3	1	1	3
Soy pas	15	10	3	1	1	3
Sunflower	60	40	3	1	1	3
High euric acid rape meal	40	25	3	1	1	3

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Rape meal	60	40	3	1	1	3
Palm kernal	45	30	3	1	1	3
Peas	40	25	3	1	1	3
Beans	40	25	3	1	1	3
Sugar beet pulp	45	40	3	1	1	3
Citrus	25	15	3	1	1	3
Oyster shell	10	5	3	1	1	3
Salt	30	18	3	1	1	3
Limestone flour	70	40	3	1	1	3
Limestone granules	40	30	3	1	1	3
Sodium bicarbonate	30	15	3	1	1	3
Cal Mag	30	15	3	1	1	3
Dicalcium phosphate	30	15	3	1	1	3
Healthcare supplement	30	20	3	1	1	3
Wynnstay sheep supplement	30	20	3	1	1	3
Substances stored in bags						
Ammonium chloride		6	2	3	1	6
Urea		10	2	2	1	4
Lactose powder		5	1	2	1	2
Methionine		2	1	2	1	2

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L-lysine		6	2	2	1	4
l-threonine		0.5	1	2	1	2
wynnstay calf		0.5	1	1	1	1
wynnstay lamb		0.3	1	1	1	1
sow supplement		1	1	1	1	1
pig fin		1	1	1	1	1
pig weaner		0.5	1	1	1	1
Chick		1	1	1	1	1
wynn layers		3	1	1	1	1
pou brd		1	1	1	1	1
nu-yolk		0.5	1	1	1	1
Turkey grower		5	1	1	1	1
Bhf supp		0.5	1	1	1	1
Vitamin E		3	1	1	1	1
Copper sulphate		0.05	1	1	1	1
Femosca		2	1	1	1	1
Deccox		0.1	1	1	1	1
Elancoban		0.02	1	1	1	1
Ngold red		0.2	1	1	1	1
Eggshell		0.02	1	1	1	1
Yeast		0.1	1	1	1	1
Aurofac		0.5	1	1	1	1
Clinacox		0.02	1	1	1	1
Herban		1	1	1	1	1
Flubenol		0.04	1	1	1	1

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Flubenvet		0.2	1	1	1	1
Biomoss		1	1	1	1	1
Biotin 100		0.1	1	1	1	1
Ivomec		0.005	1	1	1	1
Tylan		0.05	1	1	1	1
Megalac		10	2	2	1	4
Substances stored in tanks						
Molasses (underground)	80	50	3	2	1	6
Fat	45	30	3	2	1	6
Innozym (IBC)		1000 litres	2	1	1	1
Alimet	15	8	2	1	1	2
Bioadd	6	3	1	1	1	1
Bredol (IBC)		4000 litres	2	1	1	2

Activity in which used:

All listed materials are used throughout the manufacturing of animal feed products including the following activities:

- Receipt of raw materials
- Intake of raw materials
- Raw material storage
- Blending of raw materials
- Grinding of raw materials
- Mixing of raw materials
- Pelletting of feed mix
- Cooling of finished feeds
- Packing of finished feeds
- Bulk unloading of finished feeds

Table 3.2. List of ancillary raw materials

Material	Function	Activity used	Amount stored	Where stored	Quantity of Release 0 = no release; 3 = large release	Risk to Receptors 1 = low risk; 3 = high risk	Likelihood of release 1 = unlikely; 3 is likely	Likelihood of environmental impact Quantity x Risk x likelihood: 1-6 = low; 7-9 is medium; >10 high
Linx 1512	Solvent	Printing bag labels	20 x 500 ml	Bagging office	1	1	1	1
Linx 1240	Printer ink	Printing bag labels	30 x 500 ml	Bagging office	1	1	1	1
Hypol c220	Gear oil	Mill – feed production	2 x 205 litres	Main workshop	1	1	1	1
Dexron	Automatic transition fluid	Pelleting of feed – contrivar 2	1 x 25 litres	Main workshop	1	1	1	1
	Lubricant	Compressor s	2 x 25 litres	Main workshop	1	1	1	1
Renolin ac 68	Lubricant	Hydro pump mill	1 x 25 litres	Main workshop	1	1	1	1
Renolin AC 320	Gear oil	Continual gearbox box	2 x 25 litres	Main workshop	1	1	1	1
Silkair Icefree (Fuchs)	De icer	Oil bottles – Mill	2 x 5 litres	Main workshop	1	1	1	1
Claus oil 68	Lubricant	Hydro pumps mill	1 x 25 litres	Main workshop	1	1	1	1
Cutting & Tapping spray	Cutting spray	Drilling & tapping	2 x 400 ml	Main workshop	1	1	1	1
Lube plus	Cutting	Drilling &	2 x 250	Main	1	1	1	1

Material	Function	Activity used	Amount stored	Where stored	Quantity of Release 0 = no release; 3 = large release	Risk to Receptors 1 = low risk; 3 = high risk	Likelihood of release 1 = unlikely; 3 is likely	Likelihood of environmental impact Quantity x Risk x likelihood: 1- 6 = low; 7-9 is medium; >10 high
cutting fluid	fluid	tapping	ml	workshop				
Phoenix L2 Grease	Lubricant	Presses	15 x 50 kg	Behind presses	1	1	1	1
Renolit EP 2 Grease	Lubricant	Presses	4 x 50 kg	Behind presses	1	1	1	1
Boiler Tex	Boiler additive	Boilers	6 x 25 litres	Boiler room	1	1	1	1
Anti-freeze lubricant	Lubricant	Air traps mill	1 x 5 litres	Main workshop	1	1	1	1
Barrier cream spray	Barrier cream	Each control room	30 x 450 ml	Main workshop	1	1	1	1
WD 40 spray	Lubricant	Mill	5 x 400 ml	Main workshop	1	1	1	1
Brake cleaner spray	Brake cleaner	Presses	1 x 500 ml	Main workshop	1	1	1	1
Electrical contact cleaner spray	Electrical contact cleaner	All electrical panels	3 x 400 ml	Maintenance office	1	1	1	1
CD 90	Chain lubricant	Mill	8 x 500 ml	Maintenance office	1	1	1	1
Hard hat paint spray	Paint	Drain covers	3 x 500 ml	Maintenance office	1	1	1	1

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Expanding foam spray	Expanding foam	Holes in sheets	4 x 750 ml	Maintenance office	1	1	1	1
Gas lighter fuel spray	Gas lighter fuel	Gas solder iron	1 x 200 ml	Maintenance office	1	1	1	1
Anti seize spray	Anti seize spray	Mill	4 x 400 ml	Maintenance office	1	1	1	1
Methylated sprits	Cleaner	Printer	1 x 500 ml	Maintenance office	1	1	1	1
AC 90 spray	34	Mill	2 x 415 ml	Maintenance office	1	1	1	1
White spirit	Cleaner	Painting brushes	1 x 2 litres	Maintenance office	1	1	1	1
Notlock	Locking nuts & bolts	Mill	1 x 50 ml	Maintenance office	1	1	1	1
Loctite 574	Glue	Mill	1 x 50 ml	Maintenance office	1	1	1	1
Superglue	Glue	Mill	4 x 2 g	Maintenance office	1	1	1	1
Pro control insect killer	Insect killer	Control rooms	1 x 400 ml	Maintenance office	1	1	1	1
Vacuum pump oil	Lubricant	Packer pump	1 x 5 litres	Bagging office	1	1	1	1
Fleet Clean	Detergent	Vehicle washing	1 x 1000 litres	Vehicle wash	2	1	1	2

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Rapid 50								
Gas Oil	Boiler fuel	Feed production	10000 litres	Fuel tank	3	3	1	6

4. Accident Management Plan

Accident Management Plan				
Possible Accident / Incident	What would the environment harm be?	Likelihood of environmental impact	How do we reduce the chances of it happening?	What to do if it happens
Spillages				
Spillage during intake of solid raw materials	Contamination of land, drains, groundwater and watercourses.	Low	Designated intake areas. Supervised intake with blending operator instructing driver on where to unload. Trained staff. Interceptor to prevent spills entering drain reaching watercourses.	Follow the spill response procedure.
Spillage during intake of powder raw materials	Contamination of land, drains, groundwater and watercourses.	Low	Designated bins requiring keys. Supervised intake with blending operator. Secure blow off procedure. Trained staff. Interceptor to prevent spills entering drain reaching watercourses.	Follow the spill response procedure
Spillage during delivery of liquids	Contamination of land, drains, groundwater and watercourses.	Low	Supervised intake with blending operator. Pipe to fat tank locked. Trained staff. Interceptor to prevent spills entering drain reaching watercourses.	Follow the spill response procedure
Spillage during bulk outloading.	Contamination of land, drains, groundwater and watercourses	Low	Designated internal loading weighbridge with doors. Trained staff. Interceptor to prevent spills entering drain reaching watercourses.	Follow the spill response procedure
Spillage during bag loading	Contamination of land, drains, groundwater and watercourses	Low	Designated loading area. Trained staff. Interceptor to prevent spills entering drain reaching watercourses.	Follow the spill response procedure
Spillage of gas oil during delivery	Contamination of land, drains, groundwater and watercourses	Low	Tank is situated internally away from surface water drains. Road tanker compliant to road traffic (containment of dangerous substance in road tankers) Regulations 1996	Follow the spill response procedure

Accident Management Plan				
Possible Accident / Incident	What would the environment harm be?	Likelihood of environmental impact	How do we reduce the chances of it happening?	What to do if it happens
Failure of Plant or Equipment				
Leakages due to faulty pipe work/ valves.	Contamination of land, drains, groundwater and watercourses.	Low	Preventative maintenance regime. Trained maintenance staff.	Follow the spill response procedure
Erosion of chutes/conveyors	Contamination of land, drains, groundwater and watercourses	Low	Leaks would be to an internal environment where contained. Preventative maintenance regime. Trained maintenance staff.	Follow the spill response procedure
Fire				
Fire - Electrical	Smoke and pollution	Low	Preventative maintenance. Electrical panels recently renewed. Trained staff	Follow fire procedure
Fire - Explosion	Smoke and pollution. Firewater causes contamination of land, groundwater and watercourses	Low	Cleaning schedule adhered to prevent build up of potentially explosive cereal dust. Trained staff	Follow fire procedure
Dust				
Mechanical failure of dust removal cyclones	Release of dust/particulates to the atmosphere	Low	Maintenance schedules followed. Trained staff. Visual emissions monitoring carried out daily. Annual particulate monitoring carried out.	Stop the process and rectify the problem

Accident Management Plan				
Possible Incident /	What would the environment harm be?	Likelihood of environmental impact	How do we reduce the chances of it happening?	What to do if it happens
Failure to enclose bulk outloading area	Escape of dust to atmosphere	Low	Designated bulk outloading area fitted with doors. Outloading procedure followed including shutting doors. Finished products manufactured to have lowest possible dust levels	Stop process and shut doors.
Failure of containment				
Road traffic accident on site leading to spillage of raw materials	Contamination of land, drains, groundwater and watercourses.	Low	Traffic management, road markings, speed limits. Interceptor to prevent spills entering drain reaching watercourses.	Follow the spill response procedure.
Puncture of vessels and tanks due to impact of fork lift trucks – fat and oil tank.	Contamination of land, drains, groundwater and watercourses	Low	Fat tank protected by barrier to prevent impact. Tanks contained within the mill which would contain any spills. Trained staff. Interceptor to prevent spills entering drain reaching watercourses.	Follow the spill response procedure
Failure of services				
Due to failure of supply; water, electricity, gas supply.	Flooding, explosion with subsequent contamination of land, drains, groundwater and water courses	Low	Provision of standby facilities. Maintenance of up to date plans showing location of utility services. Procedure for contractors to work on site including induction training and permit to work	Automatic shutdown of plant starts. Flood and fire procedure to be followed. Start up procedure to be followed when safe
Vandalism				
Unauthorised entry and tampering or malicious damage to property, plant and equipment	Contamination of land, drains, groundwater and watercourses	Low	Site barrier and other pedestrian access points locked when site unmanned. Tanks and valves locked at all times except during intake of raw materials. Security cameras and recording facilities in use. Mill software security allows only trained operatives to access mill controls.	Follow the spill response procedure