

	Environment	Ref:	ENVR-004	V3
	Record	Issued:	01.09.2009	AT

Issue	Pollutant/Issue	Risk Assessment High / Medium / Low	Prevention Measures	Mitigation Measures	Procedure/ Document Ref
Fire/Major incident	Pollutants to atmosphere increase in noise and odour. Toxic fuel ignition Release of Firewater to Surface water drains	Low	▪ Sensible storage of flammable substances. ▪ Heat and smoke detection systems. ▪ Hot work permits ▪ Fire checklists and audits	▪ Site emergency procedure implemented – evacuation of all personnel ▪ Emergency call to fire brigade	▪ Spill Procedure ENVOP-001 ▪ Section 10.13 of Crisis Manual
Flood	Release of potential contaminants into nearby water courses/surface water	Low	▪ Secure storage of possible contaminants. ▪ Maintenance of drains. ▪ Maintenance of water pipes. ▪ Site not located on flood plain.	▪ Inform Natural Resources Wales (NRW) and Welsh Water.	▪ Section 10.13 of Crisis Manual
Ammonia Release	Toxic gas release	Low	▪ Alarmed leak detection system ▪ Externally maintained system ▪ Preventative maintenance.	▪ Site emergency procedure implemented – evacuation of all personnel ▪ Emergency call to fire brigade ▪ Inform NRW	▪ Section 10.13 of Crisis Manual

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External Delivery/ Storage of Potentially Polluting Materials	Release of liquid food materials entering surface water drains	Medium	- Food IBCs stored in enclosed area/areas with falls to ETP. - Maximum release of 1m3 - Storage and handling area served by drainage area that leads to enclosed ETP. - Inspection of containment before unloading to storage.	- Spilled food material will be cleared and disposed, where liquid spills have occurred, the decision to wash to enclosed ETP drains may be taken. - Spill procedures and response kits in relevant areas.	Spill Procedure ENVOP-001
Storage of Hazardous waste	Release of contaminants to surface water drains, land or groundwater.	Medium	- Hazardous materials stored in purpose built impervious area – served by a blind drainage sump. - Wastes collected regularly – minimal storage in area - Trained personnel handling and adequate storage	Spillage of materials to floor of area – submersible pump used to pump to IBC for appropriate disposal.	Storage of Hazardous waste
Mass release of Balance Tanks	Food contaminated water released to surface water.	Low	- Large storage tanks – fitted with high level alarms. - Alarms linked to response engineers 24/7 - Preventative maintenance system. - Area visually inspected daily.	- System (ETP) would be shut down to prevent further process water entering tanks. - NRW contacted in event of river pollution release. Contact procedure in <u>Duty Managers Folder</u>	Mass release of Balance Tanks

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Releases to air via stacks	Excessive particulate matter, CO2 and NOx	Medium	- Regular maintenance and servicing of planned emission points - Annual testing to certify compliance - Continuous particulate monitoring	- Emission point closed for maintenance in event of abnormal emission detection. - Assess against <u>Major On Site Incident Procedure – Section 10.7 Crisis Manual</u>	Releases to air via stacks
Effluent Treatment Plant 'pit' overflow to surface water drains in area.	Dirty process water entering surface water drains and potentially the River Ebbw	Medium	- Pit high level alarm will be upgraded to include an audible alarm (currently visual) which will 'dial out' to 24 hour on site cover from engineers in Low risk - Drain network into the pit will be cleared out more frequently (annual to six monthly) to prevent blockage	- In the event of a full pit (faster than ETP can process) the system can be bypassed to directly discharge to sewer. - Drain protection is provided within the areas	All Service Engineers are aware of the ETP bypass procedure
Vandalism	Potential for externally stored polluting materials to be released to environment.	Medium	- Site security measures include perimeter fence with controlled access gates. - CCTV + 24 hour surveillance - Vulnerable areas have 24 hour shift work patterns (refrigeration plant, ETP etc).	- Contact police. - Review security measures as appropriate.	Vandalism

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Reviewed Alica Thomas – Reviewed October 2016

Changes to reflect

- Reference to spill kits
- Reference to bund alarms – call out to low risk engineers 24/7
- Reissue of New Crisis Manual July 2016 Last reviewed July 2016