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Site condition report template

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1.0		Document created
2.0	August 2008	
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COMPLETE SECTIONS 1-3 AND SUBMIT WITH APPLICATION

DURING THE LIFE OF THE PERMIT: MAINTAIN SECTIONS 4-7

AT SURRENDER: ADD NEW DOC REFERENCE IN 1.0; COMPLETE SECTIONS 8-10; & SUBMIT WITH YOUR SURRENDER APPLICATION.

1.0 SITE DETAILS	
Name of the applicant	Veolia Water Industrial Outsourcing Limited
Activity address	Merlins Bridge Waste Treatment Works Haverfordwest Pembrokeshire SA61 1JW
National grid reference	SM 95569 14650
Document reference and dates for Site Condition Report at permit application and surrender	Not available
Document references for site plans (including location and boundaries)	ZP3599VV Site Plan

Note:

In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.
- Locations of receptors, sources of emissions/releases, and monitoring points.
- Site drainage.
- Site surfacing.

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

2.0 Condition of the land at permit issue	
Environmental setting including: <ul style="list-style-type: none">• geology• hydrogeology• surface waters	Not known
Pollution history including: <ul style="list-style-type: none">• pollution incidents that may have affected land• historical land-uses and associated contaminants	Not known

<ul style="list-style-type: none"> any visual/olfactory evidence of existing contamination evidence of damage to pollution prevention measures 	
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	Not known
Baseline soil and groundwater reference data	Not known
Supporting information	<ul style="list-style-type: none"> Source information identifying environmental setting and pollution incidents Historical Ordnance Survey plans Site reconnaissance Historical investigation / assessment / remediation / verification reports Baseline soil and groundwater reference data

3.0 Permitted activities	
Permitted activities	Treatment of dairy waste via pipeline and leachate by road tanker
Non-permitted activities undertaken	Not applicable
Document references for: <ul style="list-style-type: none"> plan showing activity layout; and environmental risk assessment. 	Activity layout drawing ref: ZP3599VV Site Plan Application environmental risk assessment not available

Note:

In Part B of the application form you must tell us about the activities that you will undertake at the site. You must also give us an environmental risk assessment. This risk assessment must be based on our guidance (*Environmental Risk Assessment - EPR H1*) or use an equivalent approach.

It is essential that you identify in your environmental risk assessment all the substances used and produced that could pollute the soil or groundwater if there were an accident, or if measures to protect land fail.

These include substances that would be classified as 'dangerous' under the Control of Major Accident Hazards (COMAH) regulations and also raw materials, fuels, intermediates, products, wastes and effluents.

If your submitted environmental risk assessment does not adequately address the risks to soil and groundwater we may need to request further information from you or even refuse your permit application.

4.0 Changes to the activity	
Have there been any changes to the activity boundary?	No
Have there been any changes to the permitted activities?	No
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	None considered to be
Checklist of supporting information	<ul style="list-style-type: none"> • Plan showing any changes to the boundary (where relevant) • Description of the changes to the permitted activities (where relevant) • List of 'dangerous substances' used/produced by the permitted activities that were not identified in the Application Site Condition Report (where relevant)

5.0 Measures taken to protect land

The ductile iron inlet pipework within the site boundary was inspected internally via camera. In February 2007 the inlet pipework within 4 metres of the inlet chamber was found to be corroded which was repaired. This section of pipework was replaced and a new inspection chamber was installed in September 2007.

The inlet flume was visually inspected as part of daily infrastructure checks. No issues were identified.

The ductile iron pipework from the inlet flume to tank T1 was inspected above ground.

The PVC plastic pipeline containing evaporator condensate from the dairy to the high rate filter sump was not inspected and was installed in June 2007. No evidence of deterioration has been observed.

The main treatment plant was located within bunded areas that were previously used as sludge drying beds as part of the Welsh Water Treatment works. The main effluent tanks were inspected periodically and no major issues were identified. Information is not available on historical leaks from small holes in the balance tank, however these were repaired at the time and the release contained within the bunded area. The main treatment plant pipework was inspected visually as part of the daily plant infrastructure checks. Records indicate there was one leak on the pipework on 14th Feb 2010 which was due to failure of the pipework from the balance tanks to the DAF feed pumps.

The ferric chloride system and pipework was inspected visually as part of the daily plant infrastructure checks. Records indicate there were two pipework failures which resulted in small releases, one on 11th December 2011 and one on 19th July 2012. Both releases were contained within the bunded area and cleaned up at the time.

The original hydrochloric acid dosing system was decommissioned and was modified to facilitate the system being used as a ferric chloride dosing system. Information is not available when this change took place although is considered to be prior to 2003.

The original caustic dosing system was decommissioned. Information is not available when this change took place although is considered to be prior to 2003.

The leachate collection tanks and associated pipework were inspected visually as part of the daily plant infrastructure checks until receipt of leachate stopped following the final delivery on 06/05/2008. Following treatment the tanks were then drained, vented and left empty.

The clarifier, final effluent tank and associated pipework were inspected visually as part of the daily plant infrastructure checks. No issues were reported with the releases from this equipment.

Use records that you collected during the life of the permit to summarise whether pollution prevention measures worked. If you can't, you need to collect land and/or groundwater data to assess whether the land has deteriorated.

Checklist of supporting information

- Inspection records and summary of findings of inspections for all pollution prevention measures
- Records of maintenance, repair and replacement of pollution prevention measures

6.0 Pollution incidents that may have had an impact on land, and their remediation		
<p>The spoil surrounding the section of pipework before the inlet flume from which there was a release was reused following the pipe repair.</p> <p>All other releases from the treatment plant were into a bunded area. These have drains that are connected to the Welsh Water treatment plant inlet sump as detailed in the working plan referred to in schedule A of the permit (licence).</p> <p>It is considered that none the incidents referred to above resulted in contamination of the land.</p>		
Checklist supporting information	of	<ul style="list-style-type: none"> Records of pollution incidents that may have impacted on land Records of their investigation and remediation

7.0 Soil gas and water quality monitoring (where undertaken)		
Soil gas or water monitoring has not been undertaken.		
Checklist supporting information	of	<ul style="list-style-type: none"> Description of soil gas and/or water monitoring undertaken Monitoring results (including graphs)

8.0 Decommissioning and removal of pollution risk		
<p>The inlet pipework from the dairy has been plugged and separated at the dairy.</p> <p>The inlet flume has been removed and backfilled with spoil and gravel.</p> <p>All treatment pipework and equipment in the bunded areas was flushed prior to being demolished and removed from site. See separate demolition summary (file ZP3599VV Demolition Summary)</p> <p>The final settlement tank (T11) and associated pipework were emptied, cleaned and have been left in position at the request of Welsh Water so they can be reused.</p> <p>The container used as the site laboratory has been cleaned; all reagents removed and has been left in place at the request of Welsh Water.</p> <p>The decommissioning of the treatment plant did not have any impact on contamination of the land.</p>		
Checklist supporting information	of	<ul style="list-style-type: none"> Site closure plan List of potential sources of pollution risk Investigation and remediation reports (where relevant)

9.0 Reference data and remediation (where relevant)		
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Land or groundwater data has not been collected as the treatment plant was contained in bunded areas (old drying beds) that were connected to the Welsh Water treatment plant's inlet sump and as such any release into the bund will have been treated in the Welsh Water treatment works as described in the working plan referred to in schedule A of the permit (licence).

The land on which the treatment plant stood has been returned to Welsh Water for their use. The land will therefore continue to be used for the treatment of effluent / sewage.

The land has been accepted by Welsh Water (see file: "Signed Handover Cert Veolia to Welsh Water.pdf").

Checklist supporting information	of	<ul style="list-style-type: none"> • Land and/or groundwater data collected at application (if collected) • Land and/or groundwater data collected at surrender (where needed) • Assessment of satisfactory state • Remediation and verification reports (where undertaken)
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10.0 Statement of site condition

The permitted activity has ceased, the main sections of the treatment plant, other than those requested to be retained by Welsh Water, have been demolished and removed from site. It is considered that the land is in a satisfactory condition for continued use for effluent / sewage treatment. Veolia has relinquished the lease and Welsh Water has accepted the condition of the land following demolition and that it is acceptable to them as referenced in 9.0 above.