

Environmental Management Plan

Site Name	Poppyhill WRC
Site Address	Poppyhill Water Recycling Centre, Cambridge Road, Biggleswade SG15 6GH
Short Code / Ref No.	POPPST
Catchment	

This is a controlled template and should not be altered unless authorised.

The content of this document should be reviewed and signed off by the relevant managers on an annual basis and audited on a biennial basis by the business unit auditors. [C] [A]

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Introduction

This document has been designed to cover the Plan, Do, Check, Act methodology used in all Management Systems.

PDCA is the founding principle of this document and therefore the references throughout are in relation to these definitions:

P – Plan – what is the situation, what do we need to achieve and how are we to achieve it?

D – Do – what are the controls in place to ensure that we do our everyday actions without impacting the environment in this area?

C – Check – how do we check that these controls are working and how do we report when they are not?

A – Act – what is the escalation process/review process when things are checked and seen to be not performing?

1 Site Information

1.1 Site Description [P]

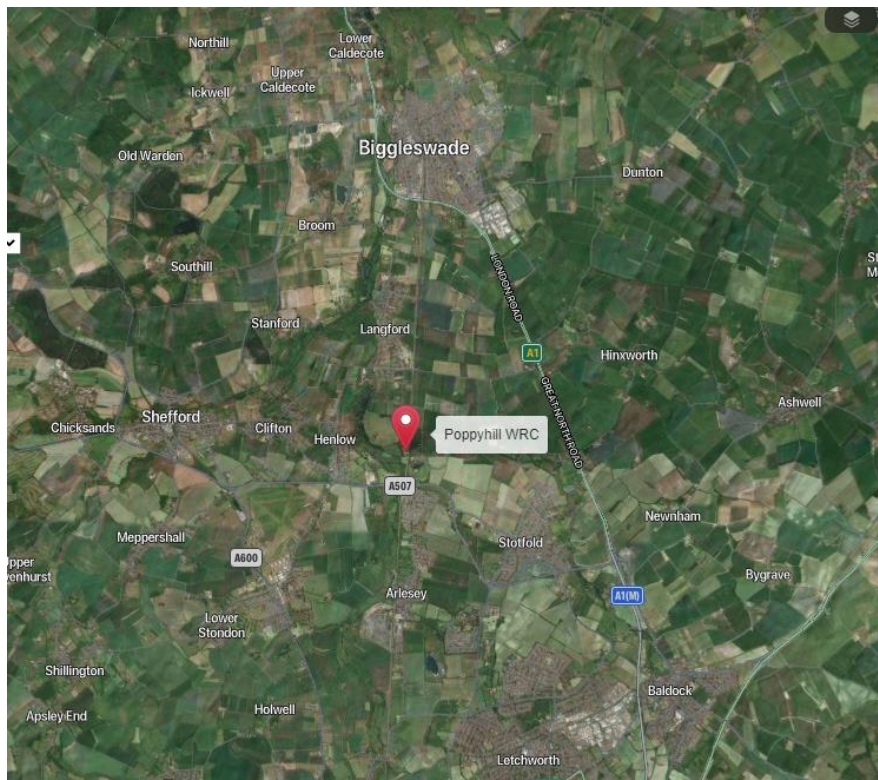
Site address: Poppyhill Water Recycling Centre, Cambridge Road, Biggleswade SG15 6GH (NGR: TL 19062 38503)

Poppyhill WRC serves a population equivalent of 21,200.

The site sits outside 200m of an a European Site, Ramsar Site, or a Site of Special Scientific Interest (SSSI). The closest designated site is Henlow Common and Langford Meadows (LNR), just over 1.7km to the north. The closest SSSI is Southill Lake and Woods, approximately 6km to the north west of the site.

The only part of the site in the permit boundary is the cake storage area, where treated cake is imported from nearby STCs, prior to being taken to land for recycling to agriculture.

Poppyhill WRC Location:



Site layout:



1.2 Permits / Permissions / Licences [D]

This table highlights the permits, exemptions and licences that relate to the sites operation and its impact on the environment:

Ref No.	Description	Regulation	Location held
AW1NF/2418	Discharge permit	Water	Sharepoint
TBC	Cake Storage Permit	EPR – Waste	Sharepoint

The conditions relating to these permits are held within the permits and summarised in section 1.3

1.3 Permit conditions

Issue	Reporting Conditions	Who
Waste permit	Quarterly returns	WROL provide data, site manager to complete returns



2 Contact information

2.1 Operational Contacts [P] [D]

Area Treatment Manager	Polly Garrod	07712 876108
Assistant Treatment Manager	Lloyd Taylor	07976 819733

Optimiser	James Litchfield	
OMC	Duty Manager	08450 703446

2.2 Emergency Contacts [P] [D]

OMC Operational Control Manager	08450 703446
EA Incident hotline	0800 80 70 60

3 Risks and mitigations

3.1 Risk Identification [P]

3.1.1 Environmental Risk Assessment

An Environmental Risk Assessment was completed as part of the generation of this plan and can be found appended to this document when printed and as an independent document on Sharepoint.

3.1.2 Accidents and Incidents

1. Spillage of cake/water run-off through solid wall boundaries.
2. Damage to the solid wall boundaries or water run-of boundaries.
3. Mobile Plant (used for cake movement) breaks down/unusable.
4. Water run-off drainage bunds/drains blocked.
5. Site drainage well pump failure/unusable.
6. Power failure to site.
7. Cake storage area concrete flooring failure (cracks/sink hole/etc).
8. Forced shutdown of WRC.

3.3 Risk Mitigation [P] [D]

3.2.1 Accidents and Incidents

The below is risk mitigation in direct response to those numbered in 3.1.2 Accidents and Incidents Risk Identification.

1. Spillage outside solid walls - WRC site operators visit site Monday – Friday inclusive for visual inspection with a once weekly full walk around of the cake storage area. Any spillage through solid boundary walls can be removed and clean-up completed. Wall damage to be reported to Treatment Manager/WROL for repair.
2. Damage to any boundaries - WRC site operators visit site Monday – Friday inclusive for visual inspection with a once weekly full walk around of the cake storage area to ensure that all boundary wall/barriers are fit for purpose. Any remedials required reported to Treatment Manager/Waste Recycling Operational Logistics (WROL).
3. Mobile Plant break down - WROL maintain the mobile plant with 500 hours or 12 monthly (whichever comes first) vehicle service and a LOLER (Lifting Operations and Lifting Equipment Regulations) service at the same time. WROL are called to any reactive maintenance. WROL have a fleet of Mobile plant vehicles and can replace this vehicle with another quite easily should unrepairable failure occur.

4. Bunds/drains block - WRC site operators visit site Monday – Friday inclusive for visual inspection with a once weekly full walk around of the cake storage area. Ad-hoc clearance of drainage area done as required, this ensures that drainage is running clear also. Jetting vehicles can be deployed on a reactive basis.
5. Site drainage well pump failure - AW M&E are available 24/7 for any reactive break downs. In the event of a new pump is required a hire pump can be put in place until sourced.
6. Power failure – a generator would allow for the site drainage well pump to be available.
7. Cake storage area concrete flooring failure – imported cake would be re-directed to another storage area whilst repair would be done.
8. Forced shutdown of WRC – imported cake would be re-directed to another storage area until WRC is back operational to allow surface water run-off to be treated in site.

3.2.2 Spill control

Reference WWS – PRO – 8.13

- All Fuel/Chemical tanks on site are bunded
- Spill control equipment includes absorbent pads, absorbent granules and booms which are located on all vehicles using the cake pad
- All on site drainage returns to the inlet works

3.2.3 Reporting an incident

- The site does not have a history of odour issues.
- All odour complaints will be reported to the OMC and any proven to be associated with the cake storage area will be passed on to Recycling & Environmental Compliance Manager to resolve.

3.2.4 Odour event

- The site does not have a history of odour issues.
- All odour complaints will be reported to the OMC and any proven to be associated with the cake storage area will be passed on to Recycling & Environmental Compliance Manager to resolve.

3.2.5 Damage to a Habitat

- There's no reason to be off road on site.
- No tree or hedge works will take place during the bird breeding season from 1st March to 31st July unless there is a significant safety

risk. It is an offence to destroy the nest of any wild bird so this needs to be a consideration at all times of year.

3.3.2 Specific Plans

Each site has a comprehensive library of documents that support the efficient and successful operation of the site. This plan is not going to detail those plans but direct the reader to the locations of the plans.

3.3.1 Odour

There is no history of odour issues at this site since liming was stopped.

4 Site Management [D]

This section looks at the management of site to minimise impact to the environment.

4.1 Waste Management

Waste management is a highly regulated activity and as a site we have regulatory obligations with regards importing and treating waste as well as the standard Duty of Care obligations. This section looks at those obligations

Relevant members of the Water Recycling site team and Quality and Environment team are enrolled and trained on the CMS course (Competency Management System) to demonstrate technical competence. The records for staff training are held on a computer system, Workday, and Sharepoint.

Digested cake is imported from other AWS sites after going through a treatment process as detailed in the relevant site's HACCP plan. All cake is compliant with BAS (biosolids assurance scheme). Any requirements for quarantining stock is detailed in the HACCP plan. Sampling is done at the relevant treatment site, not at Poppyhill WRC.

The only handling of the waste is done by the excavators, operated by WROL/contractor's technically competent people.

The Circular Economy (CE) Recycling and Environmental Compliance Team inspect the site at regular intervals. In addition there is a framework of AW employees and contractors (drivers) who will monitor cake stocks and flag any potential compliance issues to the Recycling and Environmental Compliance Team as needed.

4.1.1 Identification of wastes [P]

The activities on this site generate a wide range of wastes (note these are outside of the permit boundary). Primarily though we generate:

EWC code	EWC Description	AW Description
19 08 05	Sludge from treatment of urban wastewater	Sludge/Cake
20 03 06	Screenings	Grit and screenings
20 03 01	Mixed Municipal Waste	General Waste

4.1.2 Management of contractors exporting waste [D]

Anglian Water has two waste streams removed from the permitted area of the site. These are managed and controlled in the following manner:

EWC Code	EWC Description	Carrier	Broker	Disposal Route
19 06 06	Digestate from anaerobic treatment of animal and vegetable waste (sewage sludge only).	Anglian Water and approved sub-contractors	WROL	Recycled to land
19 08 05	Sludges from treatment of urban waste water			Transported to AW sludge treatment centres

AWS manage the distribution of digested cake from site to agricultural stakeholders and movements of raw cake between AWS sites. This is undertaken by WROL and their approved sub-contractors, all of whom supply their duty of care documents prior to working on site.

Copies of the Waste Transfer Notes and Consignment Notes for these waste movements (skips and the like) can be found in either the local Admin office or the WROL office. Wastes that are disposed of to land by WROL and Biosolids have comprehensive records held by WROL and Biosolids and can be obtained from The Biosolids office in Cambridge.

4.1.4 Management of importing waste

Waste is imported to this site as part of the waste operations.

This site does accept transfers of AW waste falling under the classifications:

- 19 06 06

4.2 Monitoring Procedures

The site is visited regularly by WROL / CE. Inspection will cover level of cake stock, condition of the cake pad, walls, gullies, and on-site odour. The inspections are logged on the M2i app and circulated to relevant parties internally. Any actions are logged on a spreadsheet and reviewed at the CMFG meetings (Compliance Monitoring Focus Group).

5 Biodiversity

Biodiversity is important to Anglian Water and as part of this focus we are expanding our knowledge and understanding of the biodiversity on our sites.

5.1 This Site [P]

The biodiversity on this site has not been surveyed whilst Anglian Water has been in ownership.

No tree or hedge works during the bird breeding season from 1st March to 31st July unless required for safety reasons. Some birds, such as wood pigeon, will nest outside of this period. It is an offence to destroy the nest of any wild bird so this needs to be a consideration at all times of year.

5.2 Active biodiversity

All AW personnel are encouraged to act as the “eyes and ears” of the company and report any species that they see that has not previously been identified on the site. Any species recorded on site should be sent to biodiversity@anglianwater.co.uk Here the surveys will be looked at and used to inform company decisions and so that the biodiversity team can provide support to the site.

5.3 Rules for biodiversity

There are some general rules which have been developed for operation on sites:

- Do not drive on the grassed areas unless specifically authorised to do so.



- Report all damage to trees and habitats caused on site.
- Follow the “Golden Rules” of conservation available on HAWK.

5.4 Climate Change

- A climate risk assessment has been carried out for Poppyhill, see the risk assessment for more information.
- Due to where it is situated, Poppyhill would not be at risk of rising sea levels
- Although temperature changes on site could affect odours, this would constantly be monitored