AtkinsRéalis

Summary of Environmental Management System

South Tees Development Corporation

April 2025

MAMX-ATK-ENV-FDRXX-RP-EN-000006

FOUNDRY CENTRAL EAST

AtkinsRéalis - Baseline / Référence

Notice

This document and its contents have been prepared and are intended solely as information for South Tees Development Corporation and use in relation to providing a summary of the Environmental Management System required as part of the permit application for construction of a development platform at Foundry Central East.

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This document has 11 pages including the cover.

Document history

Document title: Summary of Environmental Management System

Document reference: MAMX-ATK-ENV-FDRXX-RP-EN-000006

Revision	Purpose description	Originated	Checked	Reviewed	Authorised	Date
1.0	To support the permit application for Foundry Central East	EU	NC	LW	SB	April 2025

Client signoff

Client	South Tees Development Corporation
Project	FOUNDRY CENTRAL EAST
Job number	5223442
Client signature/date	

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1. Introduction

AtkinsRéalis has been commissioned by South Tees Development Corporation (STDC) to apply for a bespoke environmental permit for deposit for recovery. The permit is for activities associated with material recovery which includes the treatment, storage and backfill associated with the construction of a development platform at Foundry Central East, located within the Teesworks site.

This document is the Environmental Management System Summary, which sits within a suite of documents to support the permit application. Supporting information for this document has been written in such a way to avoid duplication. Information regarding the site setting and permitted activity is included in the preceding documents, with particular attention drawn to the Non-technical Summary [1]]. Table 1-1 shows the structure of supporting information and the suggested reading order.

Table 1-1 - Document Suite Structure to Support Permit Application

Suggested Reading Order	Document Title	Document Reference	
1	Waste Recovery Plan [2]	MAMX-ATK-ENV-FDRXX-RP-EN-000005	Permit Forms (Parts A, B2, B4, F1)
2	Non-technical Summary and Additional Information [1]	MAMX-ATK-ENV-FDRXX-RP-EN-000002	
3	Conceptual Site Model, Risk Assessment and Environmental Setting and Site Design Report [3]	MAMX-ATK-ENV-FDRXX-RP-EN-000003	
4	Hydrogeological Risk Assessment [4]	10047374-AUK-XX-XX-RP-ZZ-1038-01	
5	Ecological Risk Assessment [5]	INCA 2024-37	
6	Waste Acceptance Procedures [6]	MAMX-ATK-ENV-FDRXX-RP-EN-000004	
7	Environmental Management System Summary [7]	MAMX-ATK-ENV-FDRXX-RP-EN-000006	

Document Signpost	
Required reading	This document

At Foundry Central East, as part of the planning conditions for construction of the development platform there is a requirement to submit a Construction Environmental Management Plan (CEMP) for approval by the Local Planning Authority Redcar and Cleveland Borough Council. This document assesses the risks to the environment posed by the works and will employ systems and procedures to manage, minimise or mitigate the risks.

To ensure that there is only one working document which manages the risk of the permitted activity to the environment, the CEMP will satisfy the requirements of both the Environmental Management Systems (EMS)

requirements needed as part of the environmental permit and planning regulatory regimes. The CEMP will also align with the governance requirements of the STDC Environmental Management System.

The CEMP will incorporate any monitoring requirements detailed within the Environmental Risk Assessment and Environmental Setting and Site Design Report [3], that does not require a monitoring plan.

Throughout this document, and all other documentation submitted as part of the environmental permit application the EMS will be referred to as the CEMP, this is to avoid confusion with the operation phase of works. The CEMP will be developed by the contractor once appointed.

1.1 Objective

The purpose of this report is to provide a summary of the Environmental Management System that will be contained within the CEMP to be implemented at the site. The CEMP will be produced and implemented in accordance with the Environment Agency Guidance: Develop a management system: environmental permits [8].

The CEMP will ensure compliance with the conditions of the environmental permit and all relevant legislation, regulation and guidance in order to minimise the risks to the environment from the activities covered by the environmental permit. The document will assess the risks to the environment posed by the works and employ systems and procedures to minimise or mitigate the risks.

2. STDC Environmental Management System Summary

STDC manage the overall health, safety and environmental governance of the site and hold an environmental management system which covers the entire Teesworks site, including Foundry Central East. The associated documents and standards have been recently updated to reflect the site's current status, following completion of the demolition of major structures associated with the iron and steelmaking process, as well as the Teesworks site ceasing to be regulated under the Control of Major Accident Hazards (COMAH) Regulations 2015. The STDC Environmental Management System has been built around a plan-do-check-act (PDCA) model, utilising the ISO14001 standard with the aim of achieving accreditation at a future date.

The environmental management system includes the following:

1. Policy
2. Environmental Aspects
3. Legal & Other Responsibilities
4. Objectives & Targets
5. Resources, Roles & Responsibilities
6. Competent People
7. Communications
8. Documentation
9. Control of Documents & Records
10. Operational Control
11. Emergency Preparedness
12. Monitoring & Measuring
13. Nonconformities
14. Auditing, Meetings & Review

The EMS is electronically held on the internal computer system, with separate folders populated with environment-related project and archived project information.

The CEMP will reference and adhere to the governance requirements of the STDC EMS. The Teesworks Environment, Health and Safety and Security (EHSS) team, review all environmental and health and safety risk assessments including CEMPs prior to approving the start of any works on the site. Regular audits and site visits of the works are also undertaken to ensure that they conform to the risk assessments and required mitigation measures.

Any non-compliant works or activities in relation to the CEMP are raised as a defect through the contract by the project manager.

3. Foundry Central East Construction Environmental Management Plan

A summary of the CEMP content aligned to the Environment Agency Guidance: Develop a management system: environmental permits [8] is detailed in Table 3-1. The CEMP will reflect and build on the outcome of the Conceptual Site Model, Risk Assessment and Environmental Setting and Site Design report [3].

Table 3-1 - Summary of site-specific CEMP

Heading	Summary
Project overview	Site description, site boundary, entry points and access routes, proposed works (including transporting, storing, processing and backfilling materials defined in the Waste Recovery Plan **[2]**).
Environmental Management Framework	Contractor's Environmental Policy Statement and the roles and responsibilities of those involved in the works.
General Environmental Arrangements	Environmental objectives of the works, site environmental rules (referring to the STDC site-wide EMS), communication, procedure to ensure that staff are competent and have received the training that they need, site security and segregation, environmental inspections and audits that will be carried out, permits and consents required, and site documentation.
Waste storage plan	Length of time waste will be stored on site, how these limits will be adhered to, how the specific types of waste being stored will be identified, how different types of waste will be stored and how the waste hierarchy will be followed. Outlining how materials which don't meet the Waste Acceptance Procedures will be managed. Storage will reflect the requirements of The Waste Acceptance Procedures **[6]**.
Site and equipment maintenance plan	How plant and equipment used as part of the works shall be maintained, including following equipment guidelines and associated treatment permits and providing evidence of calibration and servicing.
Environmental risk assessment	Assessment of environmental risks, reflecting and building on the outcome of the Environmental Risk Assessment [3] including but not limited to the following: • air (including emissions from transport, odours, gases and vapours, dust and asbestos); • contamination of land or water; • surface water management • ecology (including control of invasive plant species) and other mitigation requirements as detailed within the Ecological Risk Assessment [5]; • archaeology and heritage; • drainage systems; • noise and vibration; • material, fuel and chemical storage and pollution prevention; and, • assessment of waste and transport, water and energy use.

Heading	Summary
	Assessment of the likelihood and severity of these risks and how they will be managed and mitigated.
Contingency plans	How the risk to the environment will be minimised in the event of breakdowns, enforced shutdowns and any other changes in normal operations, for example due to extreme weather.
Weather monitoring	How meteorological information is recorded including total rainfall and effective rainfall, prevailing wind direction and strength as required by the Environmental Setting and Site Design report **[3]**.
Emissions monitoring	Location of emissions monitoring in accordance with the Environmental Setting and Site Design report **[3]**.
Accident prevention and management plan	Procedures for dealing with incidents or events which could result in pollution or not being able to comply with the environmental permit. The plan identifies potential accidents including: • equipment breakdowns; • enforced shutdowns; • fires; • vandalism • flooding; and • other incidents which may cause an unexpected change to normal operations, such as extreme weather. For each potential incident a risk assessment has been completed, including: • likelihood of the accident happening; • consequences of the accident happening; • measures taken to avoid the accident happening; and • measures taken to minimise the impact if the accident does happen. Procedure for reporting, investigating, and responding to accidents or breaches of the permit or environmental legislation.
Record keeping	What records will be kept, where and the duration they will be held. This will include records relating to remediation works, environmental permits and audits to demonstrate compliance.
Distribution	How information will be communicated to all staff involved in the permitted works.
Site Plans	Site plan showing where the permitted activities will take place including CDM areas, boundaries for environmental permits where applicable. Site plans to show: • storage facilities for hazardous materials like oil and fuel tanks, chemical stores, waste materials; • location of items for use in accidents and emergencies, like absorbents for chemical spills; • entrances and exits that can be used by emergency services;

Heading	Summary
	• points designed to control pollution, for example monitoring well locations; • trade effluent or sewage effluent treatment plants (where present); • effluent discharge points (where present); and • land that is likely to be contaminated, for example areas of the site that have previously been used for industrial purposes.
Contact information for the public	Details of the procedure to manage public interaction with the works.
Climate change adaptation	Mitigation measures for climate change, in line with Environment Agency guidance: Climate change: risk assessment and adaptation planning in your management system [9].
Complaints procedure	Details of the complaints procedure.
Monitoring and inspection	Procedure for checking that the works are being carried out in line with the permit and the CEMP. Details of what records are kept for checks carried out and the outcome of those checks and when the management system will be updated.
Non-compliance procedure and reporting	All parties working on the project have a responsibility to report any works, activities or states that are non-compliant with the CEMP.
Site Closure/ Surrender	Procedures, forms and evidence that will be completed/collated before the permit is surrendered.

4. References

[1] AtkinsRéalis, “Foundry Central East, Deposit for Recovery, Bespoke Environmental Permit Non-Technical Summary and Additional Information, MAMX-ATK-ENV-FDRXX-RP-EN-000002,” 2025.

[2] AtkinsRéalis, “Foundry Central East, Waste Recovery Plan, MAMX-ATK-ENV-FDRXX-RP-EN-000005,” 2025.

[3] AtkinsRéalis, “Foundry Central East, Conceptual Site Model, Risk Assessment and Environmental Setting and Site Design Report,” February 2025.

[4] Arcadis, Hydrogeological Risk Assessment 10047374-AUK-XX-XX-RP-ZZ-815-02-FCW_HRA, 2024.

[5] Inca, “Ecological Risk Assessment, Foundry Central East, Teesworks. Report ID: INCA 2024-37”.

[6] AtkinsRéalis, “Foundry Central East, Waste Acceptance Procedure, MAMX-ATK-ENV-FDRXX-RP-EN-000004.,” 2025.

[7] AtkinsRéalis, “Foundry Central East, Summary of Environmental Management System, South Tees Development Corporation, MAMX-ATK-ENV-FDRXX-RP-EN-000006,” 2025.

[8] Environment Agency, “Guidance - Develop a management system: environmental permits,” Environment Agency, 3 April 2023. [Online]. Available: https://www.gov.uk/guidance/develop-a-management-system-environmental-permits. [Accessed 4 December 2023].

[9] Environment Agency, “Climate change: risk assessment and adaptation planning in your management system,” 3 April 2023. [Online]. Available: https://www.gov.uk/guidance/climate-change-risk-assessment-and-adaptation-planning-in-your-management-system. [Accessed 4 December 2023].

[10] Arcadis, “Foundry Central East, Earthworks Specification, 10047374-AUK-XX-XX-RP-ZZ-831-01-FCE_Earthworks”.

[11] Arcadis, “Foundry Central East, Hydrogeological Risk Assessment 10047374-AUK-XX-XX-RP-ZZ-1038-01-Foundry Central East HRA,” 2025.

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