



# Site Information

**PROJECT TITLE:** Pool Farm By-Pass Channels

**CONTRACT REF:** CA18/10/2561

**Cost Centre:** 3110

**Site Code:** EV00361

**Account Code:** 40102

**Capex Code:** 401

**DOCUMENT REF:** Site Information – Rev 1.0

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**Employer's Project  
Manager:** John Hamilton



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## **Site Information**

### **Background**

Pool Farm Minewater Treatment Scheme (MwTS) was constructed in 2004 and treats mine-water discharging from an existing adit. It is a gravity-fed scheme and the inflow cannot be controlled.

The flows are conveyed, via an inlet structure, to the treatment scheme. Treated water is discharged to the adjacent Dippool Water.

The treatment system briefly comprises:

- A small aeration cascade
- A single treatment stream comprising: 1 no. Conditioning Zone/settlement lagoon; 2 no sequential wetland ponds (reed beds). The Conditioning Zone forms an integral part of the first-stage wetland pond.

The reed beds need a significant amount of maintenance over the next 2 years to address flooding caused by the reed beds being choked by progressive accumulation of leaf litter within the reed beds and a significant increase in flow in the last 12 months. Currently neither of the two reed beds which operate in series can be bypassed, meaning any intrusive work represents a significant risk of pollution of the receiving water (Dippool Water). The site is considered extremely sensitive from a Coal Authority reputational risk perspective.

Earlier this year, SEPA was approached to see if they would consider allowing bypass of the scheme to facilitate reed bed maintenance. They have agreed to a partial bypass to be installed at the exit of reed bed 1 so that reed bed 2 can be worked on. The currently proposed works are to construct that permanent partial bypass facility.

Pending the construction of the permanent bypass, temporary open channels have been excavated in the access track to allow partial bypassing of some flow.

### **Site Location and Access**

Pool Farm MwTS is an existing MwTS located approximately 1km west of Auchengray, South Lanarkshire. (Grid Reference: NS 986 541). A location plan is included in the Works Information.

The site is accessed off several minor roads from the Auchengray Road to Pool Farm and then via shared farm access tracks. The Coal Authority has rights of access to the scheme over the farm access tracks from Pool Farm.

The farm access tracks must not be obstructed at any time and any damage caused by the passage of vehicles associated with the MwTS must be made good.

Keys for all gates will be made available by the Coal Authority.

The site is an operational Mine-water Treatment Scheme and is to be maintained in operation at all times. The contractor shall not interfere with the flows through the scheme without the prior agreement of the Coal Authority's Operation and Maintenance partner, Severn Trent Services Ltd. (STS). STS will require regular access to the operational parts of the site and the Contractor must liaise with STS to ensure that access is available.

### **Mining Information**

The area in the vicinity of the MwTS has been subject to underground workings

There are no known mine workings in the immediate vicinity of the proposed works.

All the abandonment plans are held on The Coal Authority's nVision system; copies of these can be requested by e-mailing [thecoalauthority@coal.gov.uk](mailto:thecoalauthority@coal.gov.uk) and requesting an abandonment plan search.

### **Landscape and Ecology**

There are no known ecology reports for the site area and access; the Employer is arranging a Phase 1 Ecology Survey and the results will be made known to Tenderers during the Tender period.

### **Site Services**

An As-Built drawing of the site is included as part of the Works Information. Other than the existing channels between Pond 1 and Pond 2 there are no known services in the immediate vicinity of the proposed works. However, a buried gravity drain runs parallel to the West side of the access track adjacent to the proposed works.

There is an overhead electric line crossing the access track to the MwTS.

A utilities search has however been requested and the results will be made known to Tenderers during the Tender period.

A copy of the existing Health and Safety File will be provided to Tenderers on request.

Recent photographs of the site are included in Appendix 1.

### **Existing Structures**

There are no available plans of the existing reinforced concrete channels between Pond 1 and Pond 2.

As- Built details of the other structures on the Site are contained in the existing Health and Safety File will be provided to Tenderers on request.

**Ground Conditions**

There is no available information on any previous ground investigations on the site.

There is no available information on groundwater levels, but the ground conditions may be waterlogged and the Contractor shall ensure that the plant and methods used are appropriate to the conditions. In particular, the stability of the bank of the watercourse shall not be compromised.

There are no Contamination Assessments available.

**Flooding**

There is no available flood risk assessment; however the site adjoins Dippool Water which is shown as a High Risk area on the SEPA Flood Map.

**Discharge Consent**

The discharge consent for the existing MwTS is attached as Appendix 2.

**Previous Studies, Surveys and Reports**

Pool Farm – Risk Management Sites – March 2017, attached as Appendix 3.

**Health and Safety**

The Pre-Construction Information required under the CDM Regulations 2015 will be supplied to Tenderers during the Tender Period.

**Site Visit**

**A site visit for tenderers has been arranged for Friday 18 August 2017 at 10.00am.**

Tenderers who wish to visit the site on that day should inform the Employer's Project Manager, Mr. John Hamilton, by e mail: [johnhamilton@coal.gov.uk](mailto:johnhamilton@coal.gov.uk).

**Appendices**

Appendix 1: Photographs

Appendix 2: Discharge Consent

Appendix 3: Previous Reports

Appendix 1: Photographs

1. Approach to MwTS



2. Typical existing channel



Appendix 2: Discharge Consent

Refer to separate document

Appendix 3: Previous Reports

Refer to separate document