



Pollution Prevention Method Statement

This document provides additional information relating to the construction of a Micro Hydro Scheme on the Nant Ffynnon-wen.



TGVHydro

TGVHydro are a not-for-profit Social Enterprise. The Green Valleys Community Interest Company, a community-owned social enterprise that helps communities across Wales reduce their carbon emissions, solely owns TGVHydro Ltd.

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Pollution Prevention Method Statement

Potential sources of pollution on the Nant Ffynnon-wen Hydro Scheme are as follows:

- Silt (including dust) - from road use to site, movement throughout the site and excavations;
- Fuels, oils and chemicals - from storage, plant and refuelling;
- Concrete and concrete constituents - from foundation construction and concrete batching;

The following measures are proposed to protect the surrounding environment and neighbouring watercourse and groundwater during construction in accordance with the guidance given in PPG 5 (Works and maintenance in or near water) and PPG 6 (Working at Construction and Demolition Sites).

- Access to the site will be restricted for plant and personnel only.
- The construction site area will be clearly marked with notices restricting unauthorised access.
- Site deliveries and movement of vehicles to and from the site will be controlled by the Site Foreman.
- All construction, storage of materials, plant and on-site facilities will be located in the construction site areas.
- All existing services present on the site will be identified and the positions marked. The markings will then remain in place of the duration of the works.
- Any substances that are hazardous to health will be handled with appropriate measures as indicated by the information label.
- All materials will be clearly marked and identified and kept in original/approved containers. Any damaged containers will be removed and disposed of through an approved manner and replaced with an approved replacement.
- All materials used for the construction process that have the potential to cause pollution such as oils, cement, cleaning materials, paints will

be stored in a secure lockable store located in the construction site area. Materials will be delivered in small amounts as required and stored in the construction site area.

- Hazardous materials will be stored onsite within secure storage lockups until needed. At no point will any hazardous materials be stored directly on the ground.
- Cement will be mixed in a PTO powered mixer running from a tractor. It will be brought to the access point for the intake and turbine house via tractor and transferred on small quad and trailer. In wooded sensitive areas the concrete mix will be transferred manually. Following the mixing and usage of concrete all wash downs of plant and equipment will be collected and safely disposed of to avoid pollution and it entering into in water-table or neighbouring watercourse.
- To avoid oil spillage any fuelling of vehicles and machines will take place in the parking/materials storage areas. The fuelling area will take place on an impermeable surface (plastic sheet) with sand underneath, this will be done away from the watercourse. Any fuel that is spilt will either be cleared up from the plastic directly or be absorbed by the sand. If any sand is required to absorb fuel it will be disposed of in the approved manner.
- Any diesel pumps etc should be placed on drip trays to collect minor spillage.
- No solvents or adhesives are planned to be used in the operations.
- Non-hazardous waste will be bagged and removed from site. Hazardous wastes will be disposed of in approved manner.
- Any waste excavation material or building waste generated in the course of the development will be disposed of satisfactorily and in accordance with section 34 of the Environmental Protection Act 1990 (if controlled waste is to be deposited on the site then either a Waste Management Licence will be required or the applicant will need to register an exemption to licensing with the Environment Agency). The limited construction area will ensure that the excavated materials are regularly removed and not stockpiled.

- All works (project management and construction) will be carried out in line with Construction Design and Management Regulations 2015.
- An incident response action plan is to be in place on site detailing the action to be taken in the event of an incident. This will include all necessary equipment and instruction on its use.
- All personnel working on site are to be made fully aware of the pollution prevention measures detailed in the pollution prevention method statement and PPG 5 and PPG 6 and how to deal with an incident.

**All incidents to be reported to the Natural Resources Wales
Pollution Hotline: 0300 065 3000**

**Copies of this pollution prevention method statement, PPG
5 and PPG 6 are to be retained and available on site.**