

Forestry Works Manager. Environmental Awareness Training Scope.

Background

The training scope was created by the Forest Industry Environmental Management Group (FIEG) in partnership with the Forestry Works Manager Working Group.

- The scope has been created in reference to the CONFOR Published FIEG Guidance on Responsibilities for Environmental Protection in Forestry (GRFEP).
- The scope is intended to support a basic level of competence in key areas, and fit within the FWM WG FISA Published FWM Framework for Competence and CPD

The training scope will be reviewed under the following conditions

- Following the introduction of new or significant change to relevant legislation
- Following the introduction of new or significant change to industry standards
- Every three years

Pre-requisites

Candidates are encouraged to have undertaken a FISA Approved FWM Awareness Health and Safety course, prior to attendance.

Training Provider Standards

Training providers shall ensure that

- The person or persons delivering the training are Competent to do so, with suitable and sufficient experience in both the delivery of training and in the subject.
- Course content is reviewed following the introduction of new or significant changes to relevant legislation or forest industry standards

Delivery Method

Non-prescriptive

- Classroom
- Training Providers may consider supporting the delivery with on-line content and/or site visits.
 - Attendance element should be a minimum of 60 percent of the course content delivery.

Duration

7 hours

Introduction

Provides candidates with a general oversight and awareness of the key roles and responsibilities for environmental protection arrangements in forestry, and the key environmental protection issues and arrangements.

Overview

Candidates will gain and understanding of

- Legislative Background
- Principal Regulatory bodies, roles and responsibilities, consultation, and communication

Forestry Works Manager.

Environmental Awareness Training Scope.

- Industry Standards
- Roles and Responsibilities in forestry
- FWM Competency Framework
- FIEG Guidance on the Responsibilities for Environmental Protection Arrangements in Forestry (GREPF)
- Commissioning competent personnel
- Key environmental protection issues and areas
- Principals of prevention
- Standards, monitoring and supervision arrangements
- Incident response and reporting

Who should attend?

The content is targeted specifically toward individuals who deliver aspects of the roles and responsibilities of the FWM.

Either individually or as part of a larger organisation.

However, all of the Principal Duty holders as defined in the GREPF would benefit from attendance.

- Landowners/Agents
- Forestry Works Managers
- Contractors
- Sub-contractor
- Forestry Workers
- Environmental Supervisors

Course Content

Timings

In order to achieve a balance across the relative core course content, training providers may consider the indicative guide timings, against the core subject areas shown below.

The timings below show the suggested relative timing, per subject area weighting, for a 7-hour classroom delivered attendance event.

Training providers who choose to deliver elements of the course content remotely, and/or include a site visit element, may adjust the time weighting indications accordingly.

Timings	Subject
9:00 – 9:05	Venue and welfare arrangements Introductions
9:05 -9:10	Course agenda and outline
9:10 – 9:15	Legislative Background <ul style="list-style-type: none">• Acts of Parliament• Regulations
9:15 – 9:40	Powers of Regulators and Penalties for Breaches of Environmental Legislation
9:40 – 10:00	Principal Regulatory and Consultancy Bodies
10:00 – 10:30	Industry Standards

Forestry Works Manager.

Environmental Awareness Training Scope.

10:30 – 10:45	Comfort Break
10:45 – 11:30	FWM Competency Framework FIEG Guidance on the Responsibilities for Environmental Protection in Forestry <ul style="list-style-type: none"> • Introduction • Overview of Roles • Guidance on Duty Holder Roles • Roles to Assist Duty Holders
11:30 – 12:00	Commissioning Competent Personnel
12:00 – 12:30	Lunch Break
12:30 – 13:30	Key Environmental Protection issues and areas
13:30 – 14:00	Principals of Prevention
14:00 – 14:30	Licensing and Permissions
14:30 -14:45	Comfort Break
14:45 – 16:30	Standards, Monitoring and Supervision Arrangements
16:30 – 17:00	Incident prevention, preparation, response and reporting

Content

Legislative Background

The course content should give a brief overview of the Legislative and Regulatory background.
The relative hierarchy of

- Law – Acts of parliament
- Statutory Duties – Regulations
- How these can be met - Industry Standards

It would not be expected for the content of the relative laws or regulations to be detailed.

The lists of Acts and Parliament and Regulations are none exhaustive and are representative only.

Course content providers may choose to adapt to specific region.

Acts of Parliament	
Ancient Monuments and Archaeological Areas Act	1979
Control of Pollution Act	1974
Control of Pollution (Oil Storage) Northern Ireland	2010
Environment Act	1995
Environmental Protection Act	1990
Historic Environment (Amendment) (Scotland) Act	2006
Nature Conservation (Scotland) Act	2004
Plant Health (Forestry) (England and Scotland) Amendment Order	2013
Wildlife and Countryside Act	1981

Regulations	
The Ancient Monuments and Archaeological Areas (Compensation) (Scotland) Regulations	2011
Conservation (Natural Habitats) Amendment (Scotland) Regulations	2013

Forestry Works Manager.

Environmental Awareness Training Scope.

Conservation of Habitats and Species Regulations	2010
Contaminated Land (Scotland) Regulations	2010
Control of Pesticides Regulations	1994
Control of Pollution (Oil Storage) (England) Regulations	2001
Controlled Waste Regulations	1992
Designation of Nitrate Vulnerable Zones (Scotland)	2000
Environmental Liability (Scotland) Regulations	2009
Environmental Protection (Duty of Care) (Scotland) Regulations	2014
The Forestry (Environmental Impact Assessment) (Scotland) Regulations	2017
Nitrate Pollution Prevention (Wales) Regulations	2013
Pollution Prevention and Control (Scotland) (Amendment) Regulations	2011
Special Waste Regulations	1996
Waste (Scotland) Regulations	2011
Waste (England and Wales) Regulations	2005
The Water Environment (Controlled Activities) (Scotland) Regulations	2011

Powers of Regulators

The course content should outline the powers of the Regulators as below

Similar to suspected breaches of Health and Safety Legislation, the Law grants representative's specific powers in relation to suspected or reported breaches in Environmental Legislation

Specific powers include

- Entry (supported by the Police if required)
- Investigation
- to direct premises/worksites and anything in/on them to be left undisturbed
- take measurements and photographs
- sampling
- dismantling of any article
- taking possession of an article
- requiring a person to answer questions
- requiring a person to attend a specified location
- production of records
- seizure of documents
- provision of facilities

Failure to comply or prevent access can also be an offence.

Penalties for Breaches of Environmental Legislation

- Enforcement Notices
 - The regulator may order the closure or suspension of the business until the breach is rectified. Breach of an enforcement notice is a criminal offence
- Clean up notice
 - Requiring a clean-up of any contamination (including water pollution). Breach of a clean-up notice is a criminal offence.
- Fines and Imprisonment
 - Most breaches of environmental law are classed as criminal offences.
 - Depending on the level of the breach, punishment can range from a fine of £20,000 or £50,000 and or six-month imprisonment, to an unlimited fine and/or two years imprisonment.
- Strict Liability

Forestry Works Manager.

Environmental Awareness Training Scope.

- Applies to damage to land, water, habitats and species, irrespective of any intent, knowledge, recklessness or negligence. Fines will be set at a level to have a 'real economic impact' on organisations.
- Civil sanctions
 - An alternative to prosecution for certain types of breaches. Includes fixed financial penalties and enforcement undertaking.
- Related orders
 - For more serious offences. Can lead to Director disqualification. Recovery of assets.
- Other potential consequences
 - Reputational loss
 - Increase in business insurance premiums.

Principal Regulatory/Consultation Bodies

The course content should identify the principal regulatory bodies, adapted to the region, and their roles

- Scottish Forestry/The Forestry Commission (England)/Northern Ireland Forest Service/Natural Resource Wales
 - UK Forestry Standard Compliance Procedures
- SEPA/EA
- NatureScot/Natural England/Natural Resource Wales/Northern Ireland Environment Agency
- Historic Environment Scotland/Historic England/Cadw
- Local interest groups, organisations and stakeholders

Industry Standards

- FIEG Guidance on Responsibilities for Environmental Protection in Forestry
- UK Forestry Standard
 - Applies to all woodlands in the UK, regardless of who owns or manages it.
 - Covers important elements on sustainable forest management.
 - Biodiversity
 - Climate change
 - Historic Environment
 - People
 - Soil
 - Water
 - Supported by a series of practice guides.
 - Main bodies responsible for regulation, monitoring and implementation
 - The Forestry Commission (England)
 - Scottish Forestry
 - Natural Resources Wales (NRW)
 - Northern Ireland Forest Service
 - NatureScot
 - Scottish Environmental Protection Agency (SEPA)
 - Environmental Agency (England)
- UK Woodland Assurance Standard
 - Independent certification standard for verifying sustainable woodland management.
- Relevant Management Standards, such as ISO 14001 Environmental Management

Forestry Works Manager. Environmental Awareness Training Scope.

FIEG Guidance on Responsibilities for Environmental Protection in Forestry (GREPF)

Defined Roles and Responsibilities

- Landowner/Agent
- FWM
- Contractor
- Sub-Contractor
- Forestry Worker
- Environmental Supervisor

Shall be as per **Table 1 – Definitions of the 5 Duty Holders** and as per **Section 3 Guidance on Duty Holder Roles** in GREPF

Commissioning Competent Personnel

Definition of Competence

- FWM's
- Contractors,
- Environmental Supervisors

Key Environmental Protection areas – In reference to UKFS

- Biodiversity
 - What is it?
 - Importance of
 - Forestry as a key provider
- Protected Species
 - Birds, badgers, bats, otters, squirrels, pine marten, wildcat, etc (**adapted to local area**)
 - Surveys and Species protection plans
- Protected Habitats
 - SSSI, SAC, SPA, Habitat Regulations Assessment, etc
 - ASNW and PAWS
- Biosecurity
 - Invasive Species (Plants and animals)
 - Pests and Diseases
- Climate change
- Historic Environment
 - Scheduled Monuments
 - Unscheduled monuments
 - Cultural features
- Soils
 - Compaction
 - Soil loss
 - Nutrient status/loss
 - Nitrate leaching
 - Whole tree harvesting, residue harvesting and burning up
 - Peat protection and restoration of peatlands
- Water
 - Diffuse Pollution (Damage to the water environment)
 - Riparian zones and buffers

Forestry Works Manager.

Environmental Awareness Training Scope.

- The difference between the riparian zone and the buffer
 - Water supplies (Public and Private)
- Oil, fuel, pesticides
 - Fuel and oil storage
 - Urea
 - Adblue
 - Pesticides (may not be required for all FWMs)
- Waste
 - Segregation and storage
 - Transportation and disposal
 - Controlled Waste
 - Special Waste

Licencing and Permissions

Course content providers may choose to adapt to specific region

- Who should apply and hold the licence?
- Designated sites
- Protected species licences
- Ancient Monument consents

Worksite Standards, Monitoring and Supervision Arrangements

- Pre-commencement survey
- Impact monitoring

Incident Prevention, Preparation, Response and Reporting

- Diffuse Pollution Prevention Plan
 - Filter zones and silt traps
 - Installation of emergency diffuse pollution prevention measures
 - Oil, Fuel and Pesticide Spill Kits
- Contact numbers
- Sharing of learning outcomes with the wider forest industry

Validation

Training providers should provide a trainer competence profile, a detailed session plan and content, to the FWM Working Group for industry recognition.

Certification

Trainees will be issued with a record of training.

Training record will include the following information.

- Attendees name
- Date of attendance
- Name of trainer
- If Accredited
 - Accreditation body name
- If un-accredited
 - Outline of course content

Forestry Works Manager.

Environmental Awareness Training Scope.

Reading and References. List is non-exhaustive.

Course content providers may choose to adapt to specific region.

Forestry Commission

Managing forest operations to protect the water environment. Practice Guide. 2019

Biosecurity

<https://www.forestresearch.gov.uk/climate-change/risks/pests-and-diseases/biosecurity/>

CONFOR

- Biodiversity, forestry and wood.
 - <https://www.confor.org.uk/media/247794/confor-biodiversity-forestry-report.pdf>
- Forestry & Water Scotland
 - <https://www.confor.org.uk/resources/forestry-water-scotland/>

NatureScot

(NatureScot Open Data Hub)

- Special Areas of Conservation
- Special Protection Areas
- RAMSAR Wetlands of International Importance
- Site of Special Scientific Interest
- Local Nature Reserves
- National Nature Reserves
- Scottish Biodiversity List

<https://sitelink.nature.scot/home>

Scottish Forestry

UK Forestry Standard

UK Forestry Standard Compliance Procedures

<https://www.forestry.gov.scot/publications/forests-and-the-environment/biodiversity/wildlife-forest-operations>

Natural England

- Protected Sites and Species
 - <https://www.gov.uk/environment/protected-sites-species>
- Biodiversity Net Gain
 - <https://www.gov.uk/guidance/understanding-biodiversity-net-gain>
- Local Nature Recovery Strategies
 - <https://www.gov.uk/government/publications/local-nature-recovery-strategies/local-nature-recovery-strategies>

Wales

- Wales Biodiversity partnership
 - <https://www.biodiversitywales.org.uk/Section-7>

Northern Ireland

- Habitat and Species Action Plans
 - <https://www.daera-ni.gov.uk/articles/habitat-and-species-actions-plans>

Forestry Works Manager. Environmental Awareness Training Scope.

NBN Atlas

- <https://magic.defra.gov.uk/>