

Operational Plans – UKFS Compliance in Practice

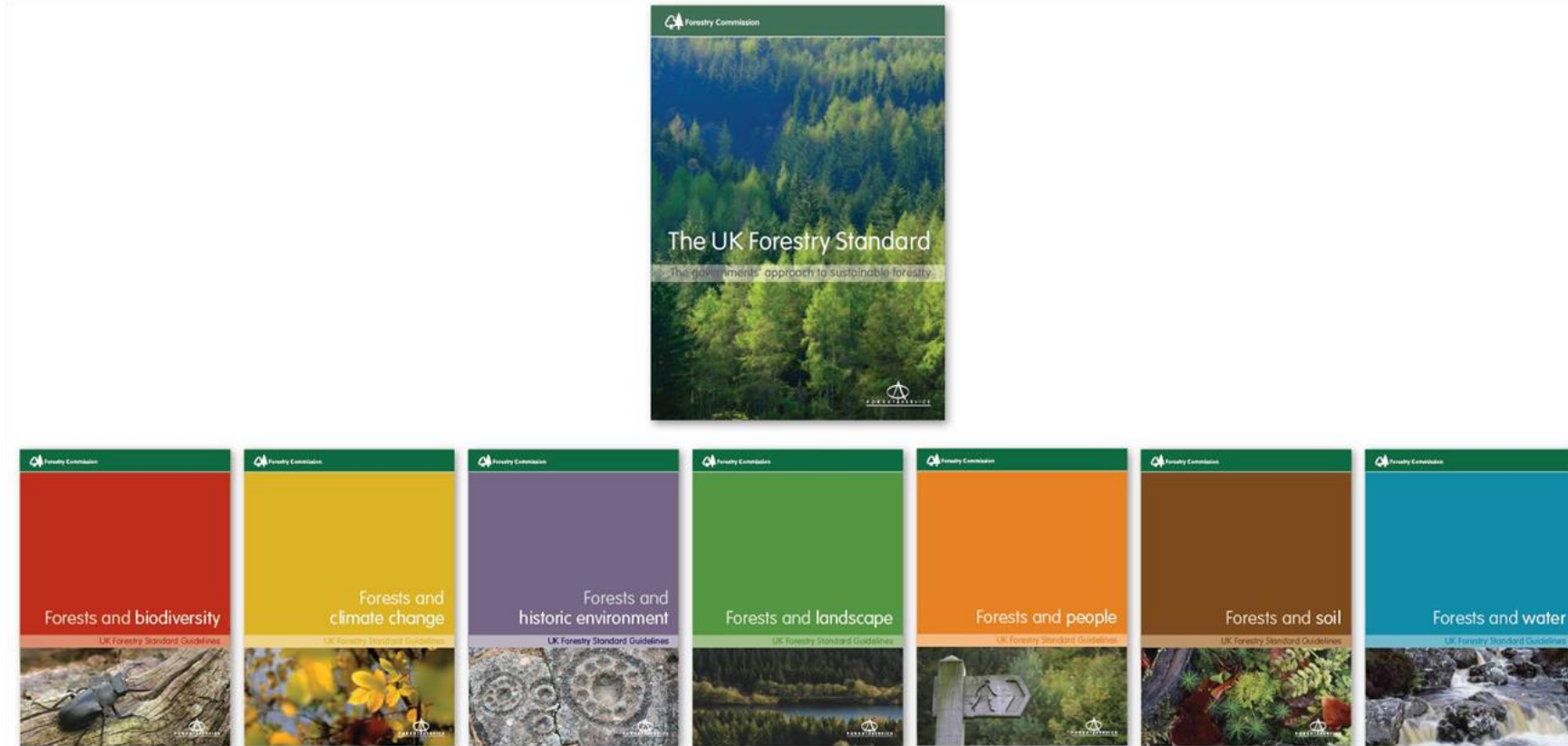
**Peter Fox
Woodland Officer
NW & WM Area
Forest Services**

**John Lees MICFor
Senior Forest Manager**

FC approved woodland plan



UK Forestry Standard



FC England roles;

- Review draft and approve woodland plans
- Grant associated felling permissions
- Inspect restocking following felling operations

NB: No engagement with operational activity

Forestry managers;

- Implement and manage forestry operations
- Deliver restorative actions e.g. restocking
- Ensure UKFS compliance across all operations

Compliance in practice

- Selecting appropriate contractor
- Planning, Site risk assessment & Pre commencement
- Commencement & supervision (monitoring)
- Site hand over & restoration
- Restocking
- Summary



Selecting appropriate contractor



- Successful tender or agreement of rates/work with an approved contractor

- Training & competence assessment

Manager to confirm if:

Relevant competencies & certificates – FISA

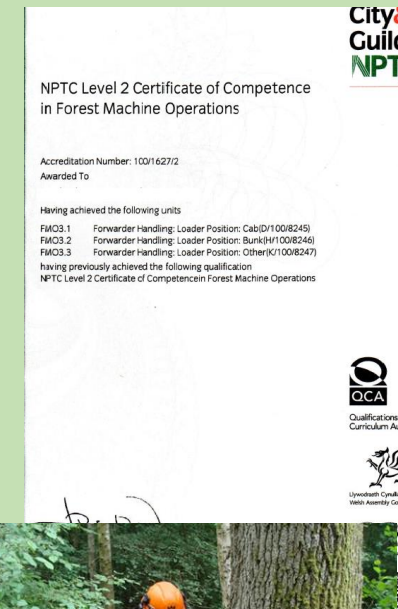
Approved as suitably trained & competent to carry out work with regard to management of H&S, Environment & quality

- Contractor monitoring & records

Evidence of compliance

Confirm works are completed to satisfaction and with appropriate documentation completed & records supplied.

- Annual review



Planning



To support good practice

Kept for own
record

Pre-operational assessment

1 page checklist
with map(s)

Habitat Regs

[illegible][illegible][illegible]

The image shows a collage of documents related to land management. On the left, there is a 'Sub-C Mandatory Field' form with a grid for 'Area Type', 'Area', and 'Remarks'. Below it is a map with colorful overlays and a legend. On the right, there is a 'Woodland Management Plan' form with fields for 'Land Reference', 'Plan Period', 'Approved By', 'For', 'First Year Ending Date', and a table for 'Activities'.

Woodland Management Plan

Mandatory Property Name		Remittance/Port	
Land Reference			
Plan Period (20 years)			
Plan Period (This year)		Approved By:	For
First Year Ending Date		2000	

Activity No.	Date	Activity (Activity/Year)	Remarks for Revision

The landowner agrees this plan as a statement of intent

/s/

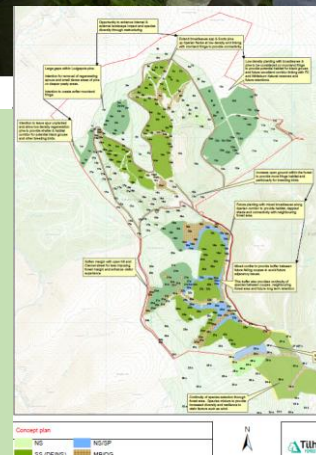
Notes/Remarks

The Subordinate in this version of the management plan template has been incorporated to ensure compatibility with 2000.

This document is not protected and search, once can be added & deleted from before the time limit.

3 | Management Plan Template | 1007 Team | 1/20/2008

XLS



Site risk assessment

Guidance Note

Diffuse Pollution and Risk Assessment

Providing guidance for Forestry and Harvesting Managers on diffuse pollution and completing an assessment to determine the vulnerability of a site and contribute to the process of planning for effective control measures.

What Is Diffuse Pollution?

Individually minor sources of pollution, but collectively significant across a catchment; it is a result of land use activities and is heavily influenced by rainfall. For our operations this means the release of sediment, nutrients, pesticides and oil to the water environment either individually or a combination of harvesting, drainage, ground preparation, road construction or timber haulage.


What is a Risk Assessment?

A process to assess the vulnerability of different sites and contribute towards more effective control measures. Sites assessed as medium or high risk will influence the degree of planning, selection of techniques and control measures required to minimise the risk of diffuse pollution and thus protect the environment.

What is our aim?

To reduce overall surface water run-off, erosion and downstream pollution associated with the site as a result of harvesting, drainage, ground preparation and restocking operations. In so doing, to prevent environmental damage, protect us from prosecution, financial cost and reputational damage.

Identification of potential diffuse pollution risks should form part of the forest planning process.



Think of diffuse pollution in terms of the Source-Pathway-Receptor Model

WHEN does diffuse pollution happen?

Fuel Oils	SOURCE	Sediment from soil disturbance on ground prep & harvesting sites, road construction
Machine Movements		
Roads, Tracks and Slopes	PATHWAY	Old drains/grips
Water Environment	RECEPTOR	Historic drains, if connecting to watercourses


Sites and associated activities (the **Source**) are linked to potential sensitive **Receptors** through identified **Pathways** (furrows, machine tracks, drains, watercourses).



Pre Commencement









TILHILL FORESTRY
Toolbox Talk

Tilhill
FORESTRY

Diffuse Pollution – Pictorial Guide to Good and Bad Practice

What is diffuse pollution?
Diffuse pollution is the release of potential pollutants from a range of activities that individually may have no effect on the water environment, but at the scale of a catchment can have a significant impact (i.e. reduction in water quality, decrease in wildlife, etc.).

Log Bridge

<p>Good</p> <p>✓ Well thatched with brush. Water course clear of any obstruction.</p> 	<p>Be Aware</p> <p>Log Bridge letting water flow, but brush needs repair to avoid silt and mud polluting watercourse.</p> 	<p>Bad</p> <p>✗ Bridge overwhelmed with silt and mud. Watercourse full of sediment. No clean brush.</p> 
<p>Brash Mats</p> <p>Good</p> <p>✓ Well thatched with brash. No mud or silt coming up through brash. Dry and clean.</p> 	<p>Be Aware</p> <p>In need of repair – now</p> 	<p>Bad</p> <p>✗✗ Brash layer overwhelmed by mud silt and water. Repair with fresh brash required asap.</p> 

continued

TT/67 Version 2 – February 2016

1 of 5



CLEAR BOUNDARY MARKING EXAMPLES (Use of paint and tape)



Boundary marking at DBH level. Good frequency of marking as you are able to see at least two of the last marked trees.



Boundary marking at ground level due to heavy branching. Note the use of Tape & Spray Paint



Spray Paint used to mark the boundaries.

Harvesting Pre-Commencement Meeting Checklist

Contract No:

Location:

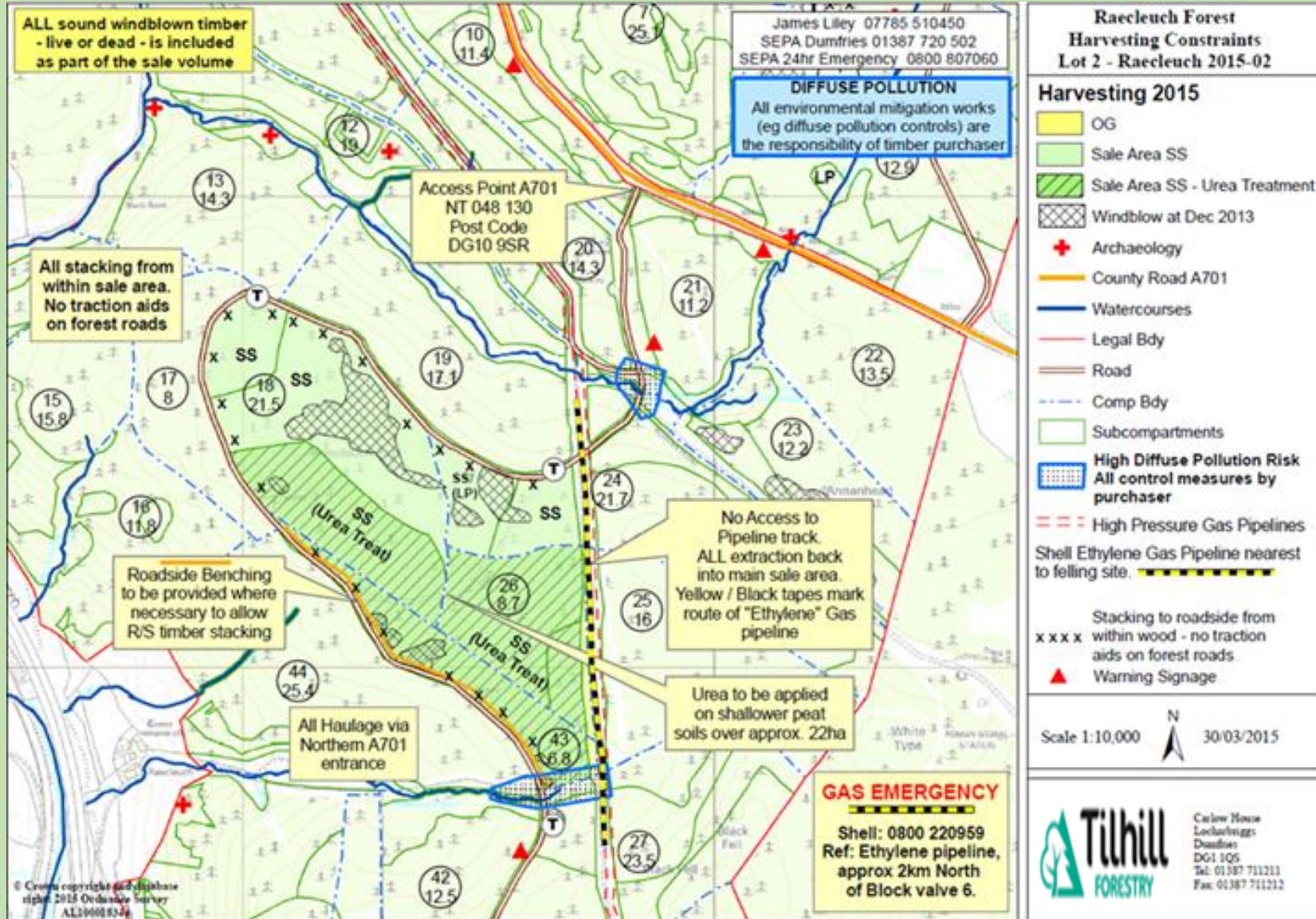
Proposed Start Date:

Estimated Completion Date:

Contact	Print Name	Telephone	Present? Yes/No
Job Manager (Compulsory Attendee)			
Harvesting Contractor or Representative (Compulsory Attendee)			
Landowner or Representative (Compulsory Attendee)			
Site Safety Co-ordinator			
Haulage Contractor (If required)			
Other			
Other			

HARVESTING OPERATION 8	Comments / Action Required
PLANT & EQUIPMENT: What equipment is being brought onto site? (Note: During term of contract, any machinery being brought onto site and not identified at pre-commencement must be notified to the Job Manager) Are plant and equipment access routes into the forest discussed and agreed? Any special requirements for movement of plant and equipment on and off the site? E.g. Height of loads vs height of power lines on access route.	(continue on separate sheet if necessary)
TREES TO BE FELLED / REMOVED: 1. Are these clearly identified? 2. Confirm that legal felling boundaries are clearly marked or identifiable? 3. Confirm that the Contractor is issued with felling licence & map or equivalent. 4. Felling pattern and plan agreed Are there any restrictions on the timing of hours to be worked?	1. 2. 3. 4.
1. Is the felling licence in place? (check expiry) 2. Is the Forest/ Woodland FSC/PEFC Certified? (check validity)	1. 2.
CONTRACTOR'S INSTRUCTION ORDER (CIO) 1. Is the CIO completed and signed prior to work starting? 2. Proposed sequence of work (are there any changes since the CIO was written, if Yes please amend CIO)	1. YES / NO 2.
STACKING OF TIMBER: Are areas for stacking of timber identified and agreed?	

Ensure hazards & constraints maps are current & clear



Commencement & monitoring

1. Method / Procedure / Organisation & Documentation
2. Safe Working Practices
3. Use of PPE
4. Tools and equipment
5. Protected species
6. Biosecurity, designated & protected sites
7. Diffuse pollution prevention
8. Waste (planting bags / grease cartridges)
9. Work to specification & quality (selecting an appropriate contractor)



Operator	Volume type	Start date	End date
All operators	m³		
Time report			
Site start date and time		20/07/2017 17:48:12	
Shift start date and time			
Site time		13 days, 20:51:37	
Shift time			
Utilization	0.0 %		
Availability	0.0 %		
Total fuel consumption	1280.0 l		
Average fuel consumption	1.18 l/m³		
Average fuel consumption	1.18 l/m³		
	Stems	m³	m³/stem
All Species	2903	1095.11	0.38
	Logs	m³	cm/Log
All assortments	8761	1009.87	255.00



Tilhill FORESTRY

Site Monitoring Diary - Harvesting

Site Name: _____ Contractor: _____

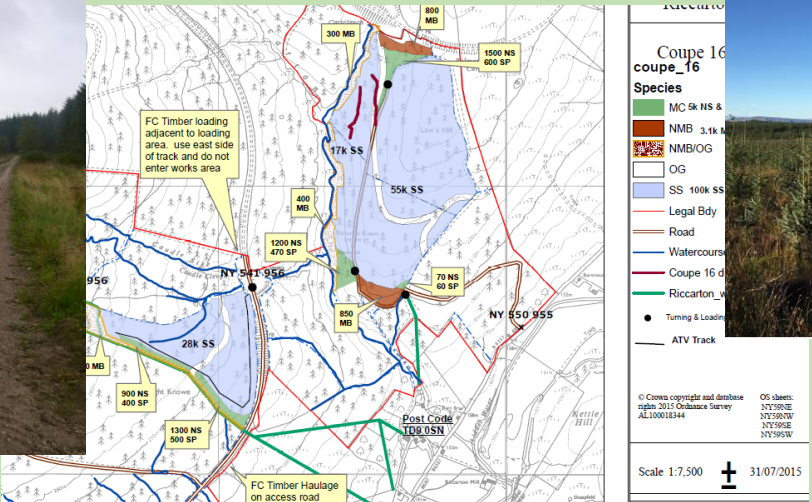
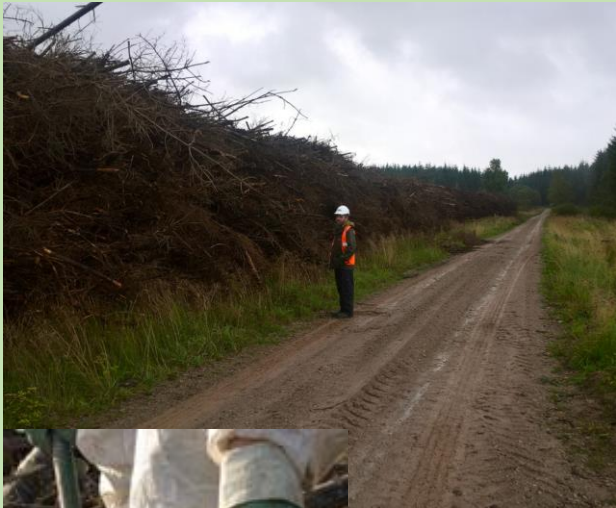
Equipment Used on Site:
Please put a tick, cross or full inspection, for each item as appropriate for every time the site is visited.
Use the boxes on the right for general comments for each visit.

Item Checked	Date:	Diary Notes & NCs
1 Safety signs in place		
2 Correct profile and height of timber stacks		
3 Fuel and oils stored correctly		
4 Clearance of safe working distances / risk zones		
5 Personal protective equipment being worn		
6 Evidence of site damage requiring attention		Date: _____ Signed: _____
7 Site clean and tidy / no litter		
8 All watercourses and drains clear		
9 Correct stump height and treatment being applied		
10 Evidence of correct felling technique used		
11 Discus with chainsaw operator how hung up trees are to be made safe. Check agreed means are on site		Date: _____ Signed: _____
12 Log and top in appropriate lengths		
13 Forest road in good condition		
14 Has there been a change in site personnel (certification)		
15 Preferred haulage route being observed		
16 Observance of power lines. Goalposts & signs in place		
17 Suitable care being taken over fences / ditches		
18 Protection of ancient monuments / conservation sites		Date: _____ Signed: _____
19 Procedures in risk assessment being followed		
20 Site Safety Co-ordinator or deputy on site		
21 Operators in possession of site plans		
22 Operators in possession of relevant first aid kit (see AR02)		Date: _____ Signed: _____

Site hand over & restoration



Restocking



Summary

- Highest risk activity – Always check competencies before work commences & **record it has been done.**
- Ensure maps (site hazards & sensitivities) are current & clear
- Pre commencement meeting & record– Essential for all harvesting.
 - Ensure the right people are present – It is a record of a meeting.
 - Complete fully and accurately.
- Site Diary records – ensure enough detail based on site, contractor & works
 - Discussions with operators/ contractors.
 - **Specific** to what is happening at time.
 - Comprehensive
 - Clear
 - Relevant

Years to create, seconds to destroy



FC engagement on inspection (FC regulatory control) of Restocking





The End!