



SHROPSHIRE

Fire and Rescue Service

C O N T E N T S	Page No
INTRODUCTION	1
ROLES AND RESPONSIBILITIES	1
REVIEW	1
ENVIRONMENTAL POLICY	2
HOW THIS POLICY WILL BE IMPLEMENTED	2

BRIGADE ORDER ADMINISTRATION NO. 14

PART 1

ENVIRONMENTAL POLICY AND MANAGEMENT

PART 1 – ENVIRONMENTAL MANAGEMENT

PURPOSE

The Fire Service, through its day-to-day activities, has both a positive and negative impact on the environment.

This policy introduces arrangements to minimise the negative impact of our activities.

STRATEGIC AIMS AND OBJECTIVES

By minimising the negative impact of our activities, this Order supports Strategic Aims 2 “Protect life, property and the environment from fire and other emergencies” and Strategic Aim 4 “Provide a service that demonstrates Best Value in service provision”.

It also directly supports Corporate Objective 13 “Reduce the environmental impact of our daily conduct”.

ROLES, RESPONSIBILITIES AND REVIEW

The **Resources Director** is responsible for ensuring this Order is implemented across the Brigade.

The **Resources Director** will be responsible for the day to day operation of the Order.

The **Resources Director** will review this Order bi-annually in *May* and as and when organisational changes take place.

ENVIRONMENTAL POLICY

Environmental protection is at the heart of the Shropshire Fire and Rescue Service's Service Plan, most obviously through Strategic Aim 2 "Protect life, property and the environment from fire and other emergencies".

The most effective environmental protection carried out is through our Fire Safety activities which minimise the numbers of fires, the resulting loss and the potential environmental damage from intervention activity.

In our other roles as a service provider, employer and consumer we can also have an environmental impact and we will actively manage our activities to minimise the negative impact. We will take all measures reasonably practicable to meet, exceed, or develop, all necessary or desirable requirements and to continually improve environmental performance through implementation of the following:

- Assessment and regular re-assessment of the environmental effects of our activities.
- Increase the understanding of employees and management in environmental issues and techniques. Implement arrangements to enable individuals to make improvements.
- Working with suppliers and other partners to assist in achieving this policy
- Managing waste to ensure compliance, recycling where possible and minimising the production of internal non-recyclable, or non-reusable, waste.
- Minimising wastage of energy, material, water and other resources.
- Minimising purchase of new resources through the effective maintenance and management of existing.
- Using recyclable, reusable and renewable resources (energy and materials) where possible.
- Maintaining or enhancing the natural and built environment
- Reducing and/or limiting the production of pollutants to water, land and air.
- Controlling noise emissions from operations.

HOW THIS POLICY WILL BE IMPLEMENTED

The Resources Director will prepare an annual Improvement Plan listing all identified activities which have a significant environmental impact. This Improvement Plan will include the following information:

- Environmentally significant activities
- The current position,
- Planned improvements
- Targets for improvement
- Proposed dates for implementation (which may be several years ahead)
- The sources of information and guidance
- Resources required to achieve these improvements
- The Lead Officer

The Improvement Plan will be reported to Policy Group to ensure corporate adoption of planned improvements and monitoring of previously agreed improvements.



Shropshire Fire and Rescue Service

Environmental Policy - Improvement Plan

Introduction

This is the first environmental Improvement Plan produced in accordance with Brigade Order Administration 14 Part 1 – Environmental Policy and Management.

This Improvement Plan includes the following information:

- Environmentally significant activities
- The current position,
- Planned improvements
- Targets for improvement (in the first year the majority of targets are the identification of current performance and the setting of future targets.)
- Proposed dates for implementation
- The sources of information and guidance
- Resources required to achieve these improvements
- The Lead Officer

The Improvement Plan and Plan will be reported to Policy Group to ensure corporate adoption of planned improvements and monitoring of previously agreed improvements.

Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan

Assessment and regular re-assessment of the environmental effects of our activities							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Assessment and review	Environmental Improvement Plan.	Review in 12 months.	New statement issued	2006		5 Days	RD

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Increase the understanding of employees and management in environmental issues and techniques. Implement arrangements to enable individuals to implement improvements							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Increase understanding	Policy and Plan produced and distributed.	Provide regular updates and details of initiatives on The Pink.		2006			RD
Provide information	Environmental information is not widely distributed	Provide stations with additional information about consumption of energy and consumables to enable better local management		2006			RD
Travel to work	Flexi-time scheme enables employees to adjust working hours to suit public transport arrangements. Undercover cycle storage available at most sites. Shower and changing facilities available at most sites for cycle users.	Develop home or local working policy.		2006			HR
		Consider implications of road charging		2008	SABC		RD
		Develop a formal travel plan.		2010	SCC		RD
		Provide additional cycle storage at sites where need is identified.		On-going			RD
		Improve shower and changing facilities as part of refurbishment programme.		On-going			RD
		Provide motor cycle storage.		On-going			RD
		Consider introduction of cycle purchase scheme.		2006		www.cyclescheme.co.uk	

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Working with suppliers and other partners to assist in achieving this policy							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Working with suppliers	Suppliers environmental policies are considered as part of the award process for major contracts ⁽²⁾ Environmental issues are assessed when deciding on equipment purchase.	Incorporate environmental issues into contract management and improvement discussions		2007			RD
Working with partners	Much community safety activity is carried out with partners.						DCFO

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Managing waste to ensure compliance, recycling where possible and minimising the production of internal non-recyclable or non-reusable waste							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Waste disposal	All waste is disposed of through licensed contractors.	Improve compliance monitoring		2006	Environment Agency		FPO
	80% of general waste from all sites is recycled through 'Pink Skips' recycling contract ⁽¹⁾	Introduce measures into building contracts and other waste production		2007			RD
	100% of waste oil and filters are recycled	Consider disposal of grounds maintenance waste through a recycling scheme.		2007	Contractor		FPO
	Bio hazard waste is disposed of through a specialist provider						
	Electrical waste is disposed of through a specialist provider						
	Asbestos is disposed of through a specialist provider.						
	Clothing is recycled where appropriate or disposed of through the recycling contract.						

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
	Waste paint, coolant inhibitor, solvents and thinners are collected for recycling and safe disposal of any residues.						
Disposal of redundant assets	Assets are normally sold through a broker or auction for future re-use.	Discussion with Disposal Services Agency to improve position		2006	Disposal Services Agency		ECM, FPO
Waste reduction	Asset management and budget control systems encourage purchasers to clearly identify needs before purchase, minimising the purchase of products which are not needed or are inappropriate.	Work with suppliers to minimise packaging. Develop policies and procedures to minimise waste production.		2008 2008			ECM, FPO, SO RD
	Defined disposal and re-use policy in place for PPE and clothing. Components are re-used wherever possible.	Reconsider re-issue of used firekit (through IRMP). Consider filtration recycling of hydraulic oil, enabling it to be cleaned and reused		2006 2008	Images at Work, Bristol Uniforms, Salop Laundry		PRM, ECM WM, FM

Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan

Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
		Consider move to semi synthetic engine oil and extend replacement frequencies therefore reducing the amount of oil used and reducing the amount to be disposed of.		2008			FM

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Minimising wastage of energy, material, water and other resources							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Energy use	<p>Energy use is only monitored through budget control.</p> <p>Many buildings are inefficient and impractical to improve.</p> <p>Heating and lighting controls are inefficient in some buildings but are being improved through refurbishment programme.</p> <p>Energy efficiency of equipment is considered as part of purchasing decisions</p>	<p>Introduce formal energy monitoring and provide information to site users, based on carbon produced</p> <p>Continue programme to provide more efficient lighting and heating controls and fittings.</p> <p>Introduce energy consumption assessment into the procurement process for electrical goods</p>		<p>2006</p> <p>On-going</p> <p>2006</p>	Carbon Trust, Energy Saving Trust, Marches Energy Group, Region		<p>RD, FPO</p> <p>RD, FPO</p> <p>RD</p> <p>FPO</p>
Water use (domestic)	<p>Water use is only monitored through budget control.</p> <p>Many buildings are inefficient, but are being improved through refurbishment programme</p>	<p>Introduce formal usage monitoring and provide information to site users</p> <p>Continue programme to provide more toilets and water heating</p>		2006	OGC consultant region		FPO, RD

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Minimising wastage of energy, material, water and other resources (continued)							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Water use (operational)	Water is extensively used for both firefighting and training. Need is identified by incident commander or through training need assessment.	Introduce further guidance to incident commanders to assess the environmental impact of intervention or control at an incident.		2006	STWL, EA		DCFO
	Inspection arrangements revised to minimise water use and contamination.	Develop policy on containment and re-use of run-off water.					DCFO
	Liaison arrangements exist with supplier (STWL)	Develop a local memorandum of understanding with the Environment Agency on use of water supplies.					EA

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Minimising purchase of new resources through the effective maintenance and management of existing							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Building maintenance	An effective maintenance and refurbishment programme is in place minimising deterioration and future rebuilding needs. There is a policy of managing asbestos in-situ.	Develop a formal policy on the use of recycled or other low impact products. Apply a formal policy on recycling to waste managed by building contractors.		2008 2010			RD RD
PPE maintenance	Cleaning and decontamination of firekit is carried out by a specialist contractor.	Reconsider re-issue of used firekit (through IRMP).			Images at Work, Bristol Uniforms, Salop Laundry		PRM, ECM
Vehicle maintenance	Maintenance is carried out to 'best practice' standards.	Review failure types and revise maintenance arrangements to minimise failures		On-going	Other Services, manufacturer		FM, WM
Equipment maintenance	Maintenance is carried out to 'best practice' standards.	Review failure types and revise maintenance arrangements to minimise failures		On-going	Other Services, manufacturer		ECM

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Using recyclable, reusable and renewable resources (energy and materials) where possible							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Energy Purchase	There are no contractual arrangements for the purchase of 'green' electricity.	Carry out cost benefit analysis at contract renewal		2008	OGC, Integrated energy Vehicle manufacturer	Additional cost	FPO
		Continue to monitor availability and use of alternative fuels		On-going			FM
Recycled products	Some items used within workshops are 'service exchange items' There is no general policy on the use of recycled products.	Develop a policy and identify suitable products.		2008			RD
Paper and printing consumables	Use of consumables is not monitored but believed to be excessive. Recycled cartridges have been assessed but proved unreliable in some printers. Recycled paper has been assessed but proved unreliable in photocopiers.	Monitor use of printer consumables.		2006			FPO
		Review use of recycled products.		2007			FPO
		Increase use of photocopiers or external printers.		2006			FPO
		Consider introduction of 'multifunction' machines to replace individual printers		2006			FPO

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Maintaining or enhancing the natural and built environment							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Natural environment	Location of some sensitive habitats is known and is being identified to operational personnel.	Further identification of sensitive habitats and recording on MDT system. Identify particular hazards to these environments and develop controls		On-going			DCFO
Built environment	Location of some Grade 1 listed buildings is known and identified to operational personnel.	Further identification of sensitive buildings and recording on MDT system. Identify particular hazards to these environments and develop controls		On-going			DCFO
Grounds maintenance	Grounds are maintained to an acceptable level for wildlife conservation. Grass cuttings are not removed from site. 2-for-1 replacement policy for tree removal and trees provided when shrubs removed.	Further measures to compensate for removal of mature trees and shrubs including provision of bird/bat boxes and other habitats. Consider establishment of 'wild flower meadows' in large grassed areas.		On-going	A&S	Within existing budgets	FPO
				2006	A&S Wildlife Trusts		FPO
Public art	This is not currently included in funding arrangements	Is not currently a priority.		2010			RD

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Reducing and/or limiting the production of pollutants to water, land and air							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Vehicle pollution	<p>All vehicles are diesel powered.</p> <p>CRT exhaust systems clean fumes before entering the environment. Vehicle emissions are monitored.</p> <p>Use of vehicles is monitored.</p> <p>Light vehicles being increasingly used for CFS.</p> <p>Extensive fire safety education is being used to reduce the number of fires and consequent number of vehicle movements.</p> <p>Use of specialist appliances (eg pumping units) is reducing the need for appliance movements and use.</p>	<p>Continue to monitor developments.</p> <p>Purchase of new appliances with latest generation pollution control.</p>		<p>On-going</p> <p>On-going</p>			

Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan

Reducing and/or limiting the production of pollutants to water, land and air (continued)							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Pollution at incidents	<p>Specialist pollution control equipment available on the environmental unit.</p> <p>Small scale pollution control provided on all appliances.</p> <p>Environment Agency are advised and invited to attend major incidents.</p>	Introduce further guidance to incident commanders to assess the environmental impact of intervention or control at an incident.		2008	Environment Agency		DCFO
Fire Prevention	<p>Extensive successful fire safety education is being used to reduce the number of fires and consequent loss.</p> <p>Extensive successful arson prevention activities</p>	Continue with existing arrangements and develop further.		On-going			DCFO
Firefighting	Extensive fire safety education is being used to reduce the number of fires and consequent emissions.	Introduce further guidance to incident commanders to assess the environmental impact of intervention of control at an incident.		On-going			DCFO

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Reducing and/or limiting the production of pollutants to water, land and air (continued)							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Pollution at our sites	<p>Oil interceptors provided to drainage at all sites.</p> <p>Environment Agency grab packs on all appliances.</p> <p>Workshops oil store bunded.</p> <p>Underground fuel tanks maintained and inspected.</p> <p>No Sites believed to be contaminated.</p>				Environment Agency		RD
Chemical usage	<p>Full COSHH assessments carried out for all chemicals and risk reduction considered.</p> <p>Specialist disposal arrangements are in place for chemicals.</p> <p>Operational use and training with foam is limited</p>	<p>Continued review of usage and introduce less damaging chemicals as available.</p> <p>Review types of foam used.</p>		<p>On-going</p> <p>2006</p>			<p>RD</p> <p>ECM</p>

*Shropshire Fire and Rescue Service
Environmental Policy - Improvement Plan*

Controlling noise emissions from operations							
Activity	Current Position	Planned improvements	Target	Date	Guidance	Resource	Lead
Controlling noise	All vehicles are purchased in accordance with national standards. Siren use is defined at minimum levels.	Reconsider siren testing frequency. Consider timing of testing at retained stations as part of retained review.		2007			FM
	Policy exists on operational use of sirens						

Notes:

- 1 – This is the average performance of the contractor over all contracts they handle
- 2 – This is include in the Brigade Order Adm 23 Part 1, Section 2 ‘Ethical Procurement Policy’