Environmental Aspects Analysis

Fire and Resuce
May 2016

Environmental Aspect	Unit	WCC's Impacts on the environment: Emissions to land/degredation	Emissions to water	Emissions to air	Depletion of Natural Resources	Waste / Depletion of Landfill	Flora / Fauna / Biodiversity	Local Community	Indirect Impact	Impacts on WCC: Political - Local	Political National/International	Economic - OOPs	Economic - Commercial Situation	Social	Technology	Environmental - Severe weather events	Environmental - Flooding	Environmental - Drought	Other	Life-cycle consideration	Compliance Obligation	Severity of Impact: Normal Conditions: INTENSITY (1 LOW, 2 MEDIUM, 3 HIGH)	DURATION (SHORT (0-5yrs) - 2, MED (5-15yrs) - 3, LONG TERM - 4)	PROBABILITY (IMPROBABLE - 2, PROBABLE - 3, HIGHLY PROB - 4, DEFINITE - 5)	SIGNIFICANCE RATING (Intensity X Duration) X Probability	Severity of Impact: Abnormal Conditions (eg holidays): INTENSITY	DURATION	PROBABILITY	SIGNIFICANCE RATING (Intensity X Duration) X Probability	Severity of Impact: Emergency Conditions (eg fire, flood, strike, power failure): INTENSITY	DURATION	PROBABILITY	SIGNIFICANCE RATING (Intensity X Duration) X Probability	SIGNIFICANT ASPECT?	Controls (Strenghths)	Negative Issues (Weaknesses)	Opportunities	Comments
Generic																																						
Use of Gas for heating	Generic			x	x											x	x				Y	2	4	5	40	2	4	3	24	2	4	4	32	Y	Most buildings are on the BMS JEL, TREND or DELTA systems	High cost		Continued improved utilisation of space through PRP
Use of Water (toilets, kitchen areas)	Generic				x																N	1	4	5	20	1	4	5	20	2	4	5	40	Y	Named Account Manager now available (Sep 2015)		Consolidated billing will provide more accurate data Project to install water saving initiatives (toilets, urinals, showers and taps)	Meetings arranged with STW Main stations have been checked and leaks have been identified along with potetial to save water
Use of Electricity (lights, photocopiers, computers)	Generic											x									Y	2	2	2	8	2	2	2	8	2	3	4	24	Y				All energy will be from renewable sources from October 2016
Use of Paper (day to day printing)	Generic				x	x														Y	N	2	3	3	18	2	3	4	24	2	3	3	18	N	Follow me printing' is in place	Future savings requirements may jeopardise this		
Use of Vehicles (business mileage)	Generic			x	x			x													N	2	2	5	20	2	2	5	20	2	2	5	20	N	Business mileage is recirded as part of Quarterly briefings Travel Code of Conduct in place			
Procurement	Generic	x	x	x	x	x	x	x	x	x		x								Y	Y	2	4	3	24	2	4	3	24	2	4	4	32	Y	Environmental risk assessments required for procurement over the EU Threshold FM has a dedicated ESM to support procurement activities	Risk assessments not required for procurement under the EU Threshold	e-learning module for staff undertaking procurment being generated	
Modern and Flexible Working	Generic			x	x											x					N	2	3	3	18	2	3	4	24	2	3	5	30	Y			Potentially do a Monkey Survey to try and capture the reduction in travel	Reduces the number of buildings in use as well as travel. It would be useful to be able to measure the impact that this has re mileage
Waste - Recycling	Generic					x															Y	2	3	5	30	2	3	4	24	2	3	3	18	Y	Facilities in place for glass, paper, card, cans, plastic plus food waste at Shire Hall. Waste audits take place regularly.	Staff not always aware of what they can recycle. Difficulties in using compost from food waste could mean that this is ceased in the future		
Waste - Disposal of WEEE	Generic					x															Y	2	3	5	30	2	3	4	24	2	3	3	18	Y	ICT disposed of via ICT contract.	Staff not aware of all WEEE types (e.g.batteries)		
Waste - Non-recyclables	Generic				x	x															Y	2	3	5	30	2	3	5	30	2	3	5	30	Y	FAQs on intranet Recycling regime in place		Begin to reduce the number of bins or bin lifts when Weir has installed the weight technology	
Service Delivery																																						
Fire home safety checks	Fire Prevention/Protection		x	x		x		x	x				x	x								2	3	2	12	2	3	3	18	2	3	4	24	N	**Free on demand - but F&R are starting to target specific areas led by data**	A decrease in funding may affect this service for instance it may no longer be free		
Information on the internet	Fire Prevention/Protection							x	x				x									2	4	3	24	2	4	3	24	2	4	3	24	N				Includes information regarding e-cigarettes, appliance checks and smoke alarms
Arson Reduction work	Arson Reduction			x	x	x		x	x				x									2	3	3	18	2	3	4	24	2	3	5	30	Y	**Liaise with Police, Schools ec**			
Shift Patterns Day crewed plus	Operational Response								x				x									2	3	5	30	2	3	5	30	2	2	5	20	N		If there are multiple incidents the crew could be affected physically and may compromise performance		Strateford, Alcester, Leamington, Rugby
Retained Crews	Operational Response							x	x				x	x								2	3	3	18	2	3	4	24	2	3	5	30	Y		Relies upon local recruitment (response time to station approx 5 mins)		It is getting harder to recruit retained firefighters due to people working miles away from home/stations
General response	Operational Response		x	x		x		x			x	x						x				2	3	5	30	2	3	5	30	3	3	4	36	Y	**High trained and effective response covering the whole of Warwickshire but also part of the national resoonse in the event of a maior incident**			
Leamington Spa Station - Aerial response	Operational Response		x	x				x														2	2	2	8	2	2	3	12	2	2	5	20	N				
Leamington Spa Station - Water	Operational Response		x	x				x														2	2	2	8	2	2	3	12	2	2	5	20	N				
Nuneaton Station - Incident command unit	Operational Response							x									x				Y	2	2	2	8	2	2	3	12	2	2	5	20	Y				
Rugby Station - Boat rescue	Operational Response							x									x					2	2	2	8	2	2	3	12	2	2	5	20	N				
Rugby Station - Large Animal								x														2	2	2	8	2	2	3	12	2	2	5	20	N				
Alcester Station - Environmental protection unit	Operational Response	x	x					x														2	2	2	8	2	2	3	12	2	2	5	20	N				
Coleshill Station - Water Bowser	Operational Response		x					x														2	2	2	8	2	2	3	12	2	2	5	20	N				
Coleshill Station - Kingsbury Response Foam	Operational Response		x	x				x									x					1	4	2	8	1	4	2	8	1	4	5	20	N				
Stratford Station - High Volume	Operational Response	x						x														2	2	2	8	2	2	3	12	2	2	5	20	N				
Gaydon Station	Operational Response							x														1	2	5	10	1	2	5	10	1	2	5	10	N	**Easy access to the M40**			New station based at Astorn Martin
Bedworth Station Small Fires Unit	Operational Response		x	x	x			x														2	2	2	8	2	2	3	12	2	2	5	20	N	**Uses less fuel and water than a full sized appliance**			
Retained Stations	Operational Response							x				x										2	2	2	8	2	2	3	12	2	2	5	20	N		May be shut down as part of savings requirements		
Use of water for fire fighting	Operational Response		x				x											x				2	2	3	12	2	2	4	16	2	3	5	30	Y	**Training and competence EPU Unit**			
Use of foam for fire fighting	Operational Response		x				x											x				2	2	3	12	2	2	4	16	2	2	5	20	N	**Re-healing foam is used (not hazardous)**			
Storage of chemicals inc foam	Operational Response		x																			1	2	2	4	1	2	2	4	1	2	3	6	N				
Storage of fuel (Coleshill)	Operational Response		x															x				1	2	2	4	1	2	2	4	1	2	3	6	N	**New tank built to BS xxx Spill kit close to hand**			Any spill would flow to foul sewer
Storage of fuel (Rugby, Leamington, Nuneaton)	Operational Response		x															x				1	2	2	4	1	2	2	4	1	2	4	8	N	**Located indoors Spill response equipment to hand**	Tanks are situated above bunds - but sometimes difficult to examine their state		Housekeeping in these areas is required Any spill would flow to foul sewer
Storage of fuel (Stratford)	Operational Response		x															x				1	2	2	4	1	2	2	4	1	2	3	6	N	**Tank (new) belongs to the Ambulance Station who lease part of the station building**			Any spill would flow to foul sewer
Delivery of fuel	Operational Response		x																			1	2	2	4	1	2	2	4	1	2	4	8	N				
Filling appliances at stations	Operational Response		x																			1	2	2	4	1	2	2	4	1	2	4	8	N				
Use of fuel	Operational Response			x	x											x	x	x				2	4	3	24	2	4	4	32	3	4	4	48	Y	**New fleet is more efficient**			
Spillages at incidents	Operational Response	x	x			x		x										x				2	3	2	12	2	3	3	18	2	3	4	24	N	**All appliances are fitted with grab pack spill kits**			
Decision to let a fire burn itself out	Operational Response			x				x														2	2	2	8	2	2	3	12	2	2	4	16	N				Would normally be taken to prevent water run-off
Washing appliances	Operational Response		x																			1	2	5	10	1	2	5	10	1	2	5	10	N	**Run-off flows to foul sewer Discharge consents in place**			
Oily waste/wipes	Operational Response					x															Y	1	3	3	9	1	3	3	9	1	3	4	12	Y	**Taken to Leamington on the Post Run - CFM dispose of**			
Use of deep lift wells	Operational Response		x	x																		2	2	2	8	2	2	2	8	2	2	4	16	N		Small risk of legionella	To be included in the new water hygiene inspections	Tender awarded to IWS June 2016 DLW use needed as training for abstration
Use of water for training on stations	Operational Response				x																	2	2	5	20	2	2	5	20	2	2	5	20	N				Training water is free
Noise from emergency sirens	Operational Response			x																		1	2	2	4	1	2	3	6	1	2	5	10	N				
Response to false alarms	Operational Response			x	x								x									2	2	2	8	2	2	3	12	2	2	4	16	N	**Now respond before confirming that an emergency situation has occurred to prevent a delay if it turns out to be real**	Waste of fuel and time. May also cause a dely to a real situation		
National response	Operational Response			x	x											x	x	x			Y	3	3	2	18	3	3	3	27	3	3	4	36	Y	**Action is reciprocal - thus resources are reduced overall**			F&R National Framework for England
All other activiites (e.g. general office duties) covered by generic aspects	Refer to generic aspects																								0				0				0					
Service Support																																						
Procurement of Appliances	Technical & Asset Management			x				x													Y	1	4	5	20	1	4	5	20	1	4	3	12	N	**Mving to appliances that are more fuel efficient with lower emissions and that are also narrower and so can access streets more easily**		Proposal to down size water bowsers in the future	Current fleet of 30 appliances includes 5 LRPs and a further 5 planned (May 2016)
Procurement of Chemicals inc foam	Technical & Asset Management		x			x															Y	2	2	5	20	2	2	5	20	2	2	5	20	N				
RTA Training	Training & Development					x															Y	2	2	5	20	2	2	5	20	2	2	5	20	Y	**Low risk waste exemption in place Vehicles are de-polluted prior to delivery**			
Electronic scenario training	Training & Development	x	x	x	x	x	x		x													1	4	5	20	1	4	5	20	1	4	5	20	N				Includes environmental scenarios New training facility proposed
CAA Training (off site)	Training & Development		x	x		x																1	2	5	10	1	2	5	10	1	2	5	10	N				
Vehicle / Plant Maintenance	Transport				x	x															Y	1	2	3	6	1	2	3	6	1	2	4	8	Y	**Waste directed and disposed of by CFM**			NB - the majority of servicing and repairs is carried out by CFM (Coleshill)
Use of generators	Transport			x	x																	1	2	4	8	1	2	4	8	1	2	4	8	N				
Hydrant checking and maintenance	Water Department				x	x															Y	2	2	4	16	2	2	4	16	2	2	4	16	N			Anti-tamper and lockable covers being investigated	
All other activiites (e.g. general office duties) covered by generic aspects																									0				0				0					
Service Improvement																																						
Ensuring resilience for the future	Business Continuity/Resilience							x			x	x	x			x					Y	2	3	5	30	2	3	5	30	2	3	5	30	Y				
National response for interopability with Cat 1 & 2 Emergency	Business Continuity/Resilience			x	x											x	x	x			Y	3	3	2	18	3	3	3	27	3	3	4	36	Y				F&R National Framework for England
Integrated risk management plan	Business Continuity/Resilience								x		x	x									Y	3	3	5	45	3	3	5	45	3	3	5	45	Y				F&R National Framework for England
All other activiites (e.g. general office duties) covered by generic aspects																									0				0				0					
Added post review																																						

Environmental Aspects Analysis

Fire and Resuce
May 2016

Environmental Aspect	Unit	WCC's Impacts on the environment: Emissions to land/degredation	Emissions to water	Emissions to air	Depletion of Natural Resources	Depletion of Landfill	Flora / Fauna / Biodiversity	Local Community	Indirect impact	Impacts on WCC: Political - Local	Political National/International	Economic - OOPs	Economic - Commercial Situation	Social	Technology	Environmental - Severe weather events	Environmental - Flooding	Environmental - Drought	Other	Life-cycle consideration	Compliance Obligation	Severity of Impact (Normal Conditions): INTENSITY 1 LOW 2 MEDIUM 3 HIGH	DURATION SHORT (0-5yrs) - 2 MED (5-15yrs) - 3 LONG TERM - 4	PROBABILITY IMPROBABLE - 2 PROBABLE - 3 HIGHLY PROB - 4 DEFINITE - 5	SIGNIFICANCE RATING (Intensity X Duration) X Probability)	Severity of Impact (Abnormal Conditions (eg holidays)): INTENSITY 1 LOW 2 MEDIUM 3 HIGH	DURATION SHORT (0-5yrs) - 2 MED (5-15yrs) - 3 LONG TERM - 4	PROBABILITY IMPROBABLE - 2 PROBABLE - 3 HIGHLY PROB - 4 DEFINITE - 5	SIGNIFICANCE RATING (Intensity X Duration) X Probability)	Severity of Impact (Emergency Conditions (eg fire, flood, strike, power failure)): INTENSITY 1 LOW 2 MEDIUM 3 HIGH	DURATION SHORT (0-5yrs) - 2 MED (5-15yrs) - 3 LONG TERM - 4	PROBABILITY IMPROBABLE - 2 PROBABLE - 3 HIGHLY PROB - 4 DEFINITE - 5	SIGNIFICANCE RATING (Intensity X Duration) X Probability)	SIGNIFICANT ASPECT?	Controls (Strenghths)	Negative Issues (Weaknesses)	Opportunities	Comments
Refurbishment of Leamington Station	All				X															Y		1	3	5	15	1	3	5	15	1	3	5	15	N				Refurbishment of the station March 2017
Deep Lift Wells	Various Stations			x																	Y	2	2	2	8	2	2	2	8	2	2	3	12	Y		Not currentl7y on Atlas	Add to Water Hygiene check and Atlas	The following are still in use Nuneaton; Stratford; Polesworth; Rugby; Coleshill; Alcester and Bedworth. There is one at L/Spa but this is not used
Nuneaton Station - Revised / Compromised ndrainage	Operational Response		x																		Y	1	2	4	8	1	2	4	8	1	2	5	10	Y		Queries raised bu C. Thompson that drainage does not run to foul	Need to reassess drainage and redirect if necessary. Need to ensure that drainage plans are re-done following any works to drainage	Drains being traced (Feb 2017)
Impact of MDF fire training	Training		x	x															x			1	2	3	6	1	2	3	6	1	2	4	8	N				Finf out what is permissable and the H&S effects
																									0				0				0				
																									0				0				0				
																									0				0				0				

Beneficial in Green	x
Significant adverse risk in red	30+
Opportunity	
Strategic	