Kendal Station Risk Review / Profile

This document assesses the specific performance and risk within the fire station area. It provides more defined risk profiling down to Lower Super Output Area (LSOA) level.

The risk profiling process by its very nature provides evidence of the fire risk within each geographical LSOA using detailed known risk and demographic information. The risk formula used to inform our fire risk profile was devised following the Intervention Standards Review, full details are available on our website: www.cumbria.gov.uk/fire

The review also identifies other significant risks in the area that need consideration so that our resources are appropriately allocated across the county.

As well as looking at county wide issues and trends in the main Integrated Risk Management Plan (IRMP), this individual station risk profile considers:

- Current resources
- Appliance availability
- Operational response activity
- Fire risk profile
- Next nearest supporting appliances
- Location specific risks including: heritage risk, environment risk, site specific risks: flooding risks, rurality and resilience risk.

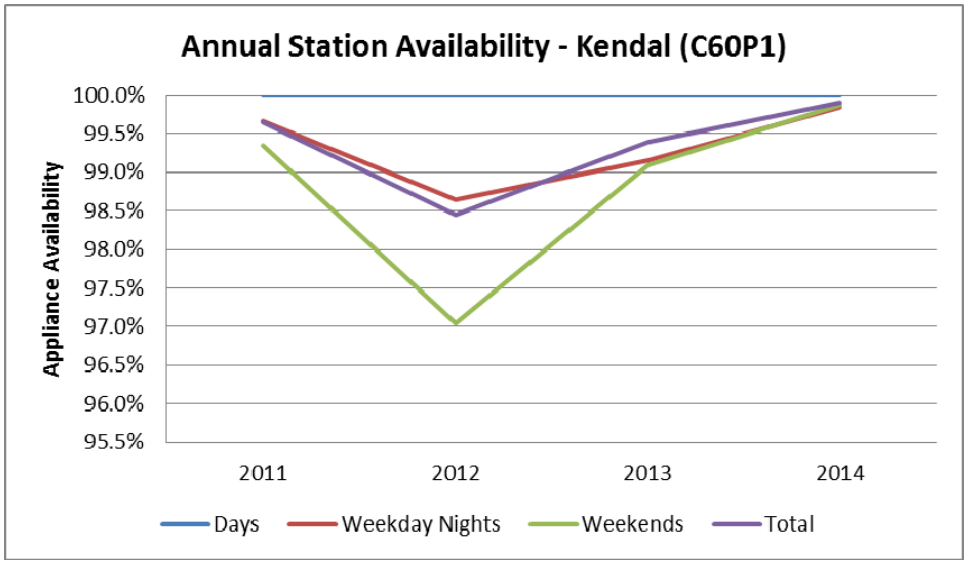
Resources

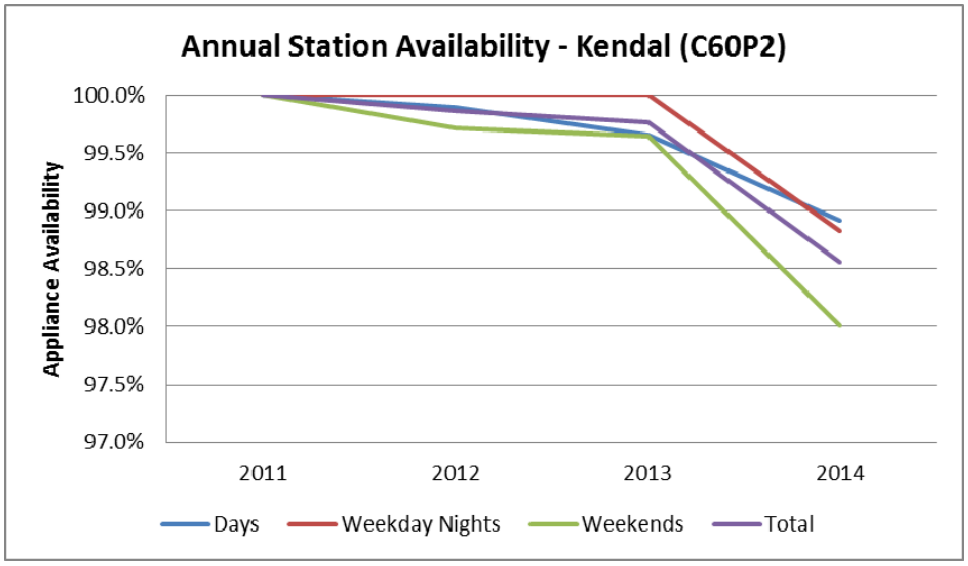
Kendal Fire Station is situated near the centre of the town on Busher Walk, near to the County Hall and next to the Police station. The station has an establishment of 9 regular firefighters, including two crew managers on a two-watch 12 hour duty system, supplemented by an on call crew of 18 firefighters.

The station has two fire appliances, one of which is a new Enhanced Rescue Pump (ERP) and the County's only High Volume Pump (HVP). Kendal is permanently staffed for 12 hours each day, during the peak activity periods of 8am – 8pm by regular firefighters (with support for the second fire engine from on call staff) and the on call crew provides cover for all of the appliances during the other 12 hours.

On-call Fire Engine Availability 2014

During 2014 the first fire engine in Kendal was off the run 8.5 hours or 0.10%. The second fire engine was off the run for 126.5 hours or 1.44% of the time.



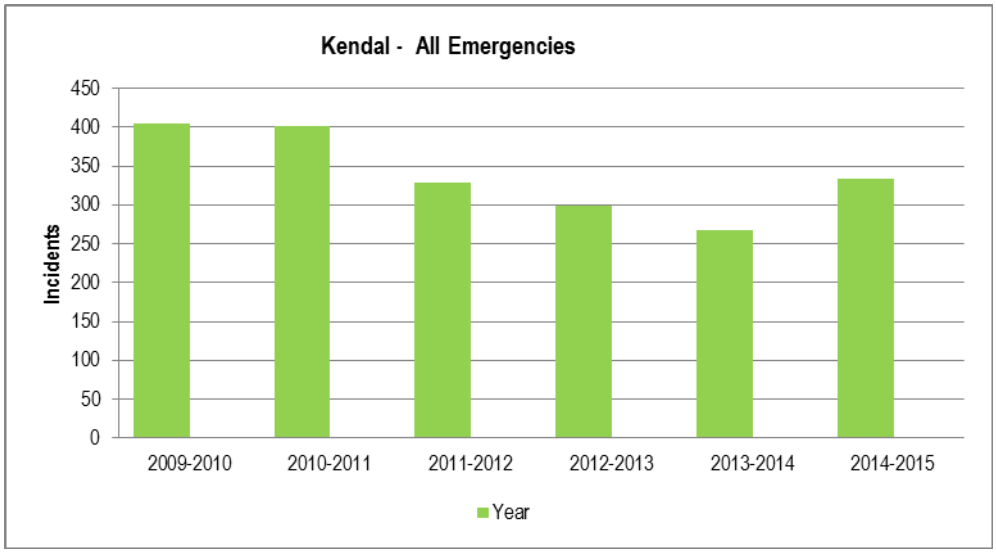


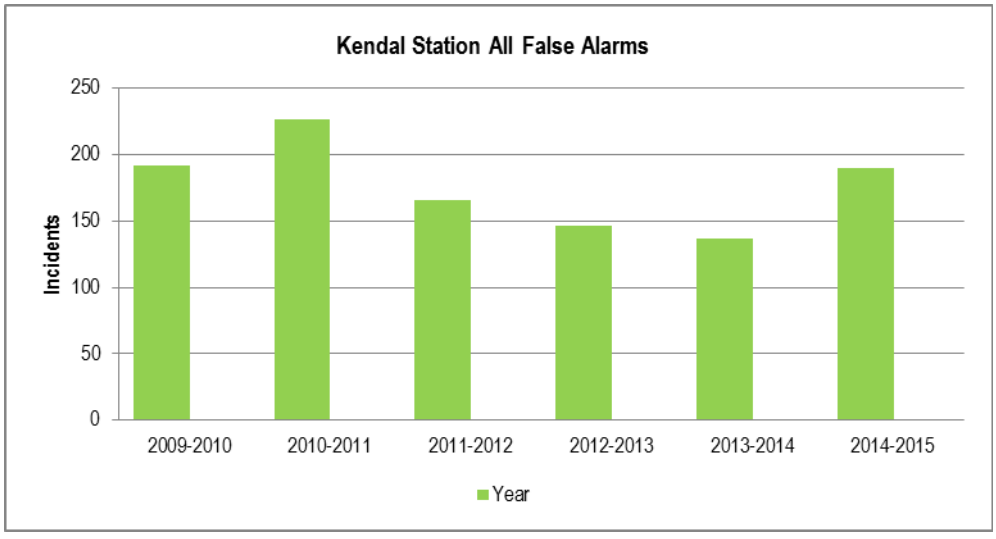
Activity

Considering incident numbers and types over time, the table below illustrates that Kendal station seen a considerable reduction in the number of incidents in their station area:

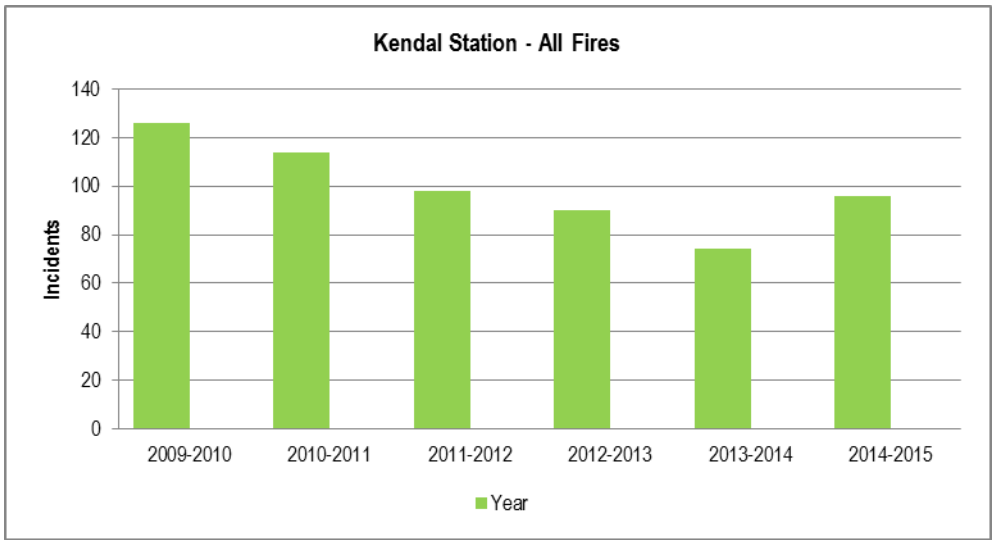
	Incident Activity in historical Station Area		Recent Incident Activity in historical Station Area Averaged over 2011-14 period				Fire engines / Crewing System	
Fire Station	**Average Number of Incidents 2003/2004**	**Average Number of Incidents 2008/2009**	**Average Number of Incidents**	**Average No of AFAs**	**Average No of Road Traffic Collisions**	**Average No of Property Fires**	**Number of Fire engines**	**Crewing System**
Kendal	524	409	**301**	110	18.3	25.9	2	12hr day / On Call

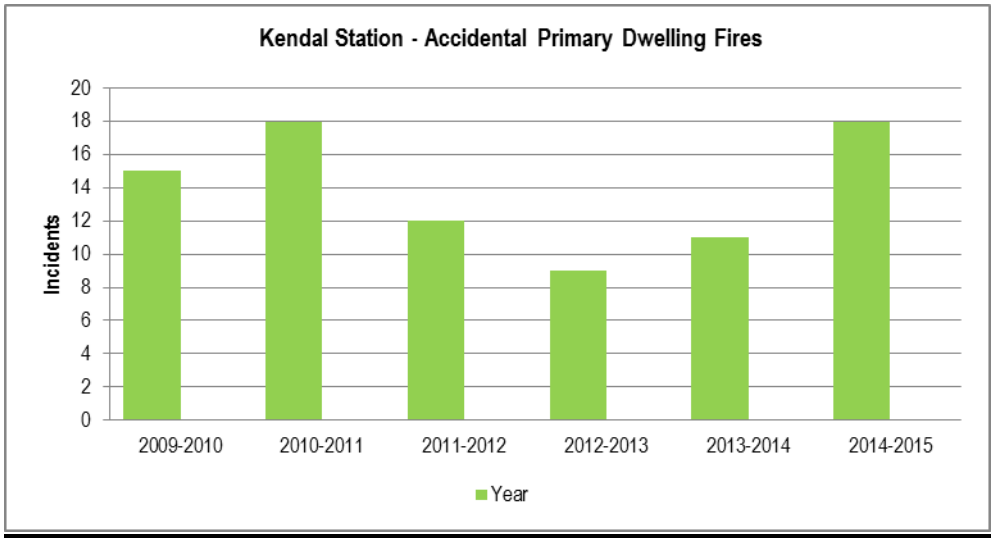
The following number of incidents have occurred in Kendal Station Area but not necessarily attended by the Kendal fire engine:

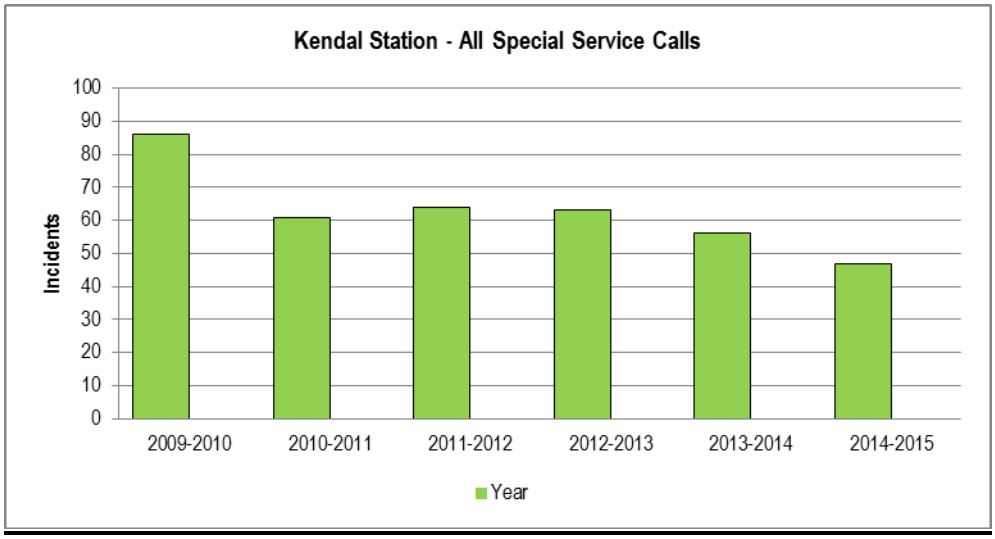




Activity continued







Activity continued

The Kendal fire engines have 'booked in attendance' at the following number of incidents over the last five years. Some of the incidents attended may have been in neighbouring station areas.

Incidents Attended Apr-2009-Mar-2015 by C60 Station Pumps

CallSign	Incident_Type	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	Total
C60P1	FA - Apparatus	50	67	48	73	76	115	429
	FA - Good Intent	25	18	23	17	39	45	167
	FA - Malicious		1	1	2	4	4	12
	Fire - Chimney	3	2	6	14	5	8	38
	Fire - Primary Boat					1		1
	Fire - Primary Dwelling	11	17	14	10	12	23	87
	Fire - Primary NonResidential	11	6	9	13	15	14	68
	Fire - Primary OtherResidential	1	2	1	3	3	1	11
	Fire - Primary Outdoor		1				2	3
	Fire - Primary OutdoorStructure	1	1		4	2	5	13
	Fire - Primary RoadVehicle	6	7	9	9	16	16	63
	Fire - Secondary	23	33	27	15	19	24	141
	SSC - Other	12	10	15	26	40	35	138
	SSC - RTC	9	15	14	19	28	28	113
C60P1	FA - Apparatus						1	1
C60P2	FA - Apparatus	103	120	80	49	36	46	434
	FA - Good Intent	43	43	31	21	21	21	180
	FA - Malicious		2	2	5	3	1	13
	Fire - Chimney	15	7	12	6	3	3	46
	Fire - Primary Dwelling	18	19	19	11	12	12	91
	Fire - Primary NonResidential	15	6	10	13	10	13	67
	Fire - Primary OtherResidential	2	3	1	3	3	1	13
	Fire - Primary Outdoor		1					1
	Fire - Primary OutdoorStructure	1	1	3	2		6	13
	Fire - Primary RoadVehicle	17	12	11	8	6	8	62
	Fire - Secondary	37	18	19	17	12	7	110
	SSC - Other	50	32	37	30	16	15	180
	SSC - RTC	20	29	24	24	13	9	119
Total		473	473	416	394	395	463	2614

Fire Risk Profile

The following table details the total number of incidents, per category, that have occurred in the LSOAs that are nominally attached to Kendal Station Area.

C60 Kendal Risk Profile		Incidents 2003/4 - 07/08		Incidents 2004/5 - 08/09		Incidents 2005/6 - 09/10		Incidents 2006/7 - 10/11		Incidents 2007/8 - 11/12		Incidents 2008/9 - 12/13		Incidents 2009/1 - 13/14		Incidents 2010/11 - 14/15	
		2008/9 Risk		2009/10 Risk		2010/11 Risk		2011/12 Risk		2012/13 Risk		2013/14 Risk		2014/15 Risk		2015/16 Risk	
Score	Risk Grade	Risk Score	No. of SOAs	Risk Score	No. of SOAs	Risk Score	No. of SOAs	Risk Score	No. Of SOAs	Risk Score	No. Of SOAs	Risk Score	No. Of SOAs	Risk Score	No. Of SOAs	Risk Score	No. Of SOAs
76 and above	High	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 to 75	Medium	250	5	250	5	232	5	292	6	236	5	128	3	84	2	122	3
34 and below	Low	266	12	264	12	266	12	238	11	264	12	312	14	332	15	294	14
		516	17	514	17	498	17	530	17	500	17	440	17	416	17	416	17
Total Risk Score		516		514		498		530		500		440		416		416	
Risk Score Increase/Reduction over the period				-0.39%		-3.49%		2.71%		-3.10%		-14.73%		-19.38%		-19.38%	

Next nearest Supporting Appliances

The following table indicates the travel distance in miles from Kendal Fire Station to the next nearest three fire stations.

Station Name	Distance by Road (MILES)
Staveley	4
Milnthorpe	8
Windermere	8

Other contextual information

Kendal is situated in the south east of Cumbria and is mainly an industrial town formed by many small industries with a population of around 33,000. The towns' ideal location means that it attracts a large transient population of holiday makers on their way to the Lakes increasing the sleeping risk particularly during the holiday seasons. In the recent past, the towns' success was mainly due to businesses like shoe manufacturing and the insurance industry, now however, the town continues to be successful by way of a varied industrial work-base.

Kendal	**Risk in station area**
Heritage	**Grade I listed:** • Kendal Castle • Sizergh Castle • Abbot Hall Art Gallery • Church of the Holy Trinity • Castle Dairy **Grade II* listed:** • Stables and attached barn to South of Sizergh Castle • No 128, Highgate Hotel • Nos 26 & 28 Highgate with entrance to Yard 24 • Nos 13, 15, 17, 17A, & 19 Stricklandgate • Church of Holy Trinity & St George • No 7 (includes 9 and 11) Stramongate • Wattsfield Farmhouse & Cottage • Nos 39, 43, 45, 45A, & entrance to Yard 41 Branthwaite Brow, Market Place • Helsington Laithes farmhouse • No 2, Shop and adjoining public conveniences Police Yard, Yard 31 • Gilthwaiterigg • Collinfield farmhouse • Friends' Meeting House • Nether Levens Farmhouse and attached store to North • Old stables approx 50m North-East of Levens Hall, cottages attached to North-West and South; and gate piers attached to North-East corner • Church of St Mark, Natland • Blease Hall, Old Hutton • Selside Hall and attached outbuilding • Burneside Hall, Burneside
Environment	7 Sites of Specific Scientific Interest

Site Specific Risks	Watchgate Water Treatment Works Westmorland General Hospital Furmanite International Ltd Farleys Health Products James Cropper Westmorland Shopping Centre National Grid Sub Station
Flooding	The Flood Risk area covers approximately 9.4 Km2 from James Cropper paper mill in Burneside village to Helsington Mills at the southern extremity of Kendal. The Kent rises in the hills surrounding Kentmere and flows only a short distance of 32Km before entering the sea at the Northern End of Morecambe Bay. The Kent has three main tributaries joining upstream of the town, the Mint, Sprint and Gowan. The flood catchment is predominantly rural apart from the urban area of Kendal whose early industry developed alongside the banks of the Kent. There are almost 1500 properties at risk.
Rurality	According to the DEFRA Urban/Rural classifications the 17 Super Out Put areas that make up Kendal 14 are “Urban” and 3 are “ Village and Hamlet”

The maps below examine the profile of the station in regard to broader risks. In this context, the maps represent the vulnerability (or risk) of a LSOA to a particular incident type, not a prediction of such an event happening in the future. Please note, a threshold has been set across the county in order to identify areas of greater risk from specific incident types, to inform prevention strategies and resource provision.

Kendal (C60) Diversity Ratio Profiles

