

Darlington District

Local Risk Profile 2018 – 19







National Perspective:

Maintaining Capabilities and Resilience to Respond to National Risks

Under the Civil Contingencies Act 2004 County Durham & Darlington Fire & Rescue Service (CDDFRS), together with the Police and Ambulance Services are classified as a category 1 responders

A requirement under the act is for category 1 and 2 responders (local authorities etc.) to form a Local Resilience Forum (LRF) which is usually formed under the local Police service boundary. The LRF is a framework to ensure response and recovery arrangements are in place to deal with large scale incidents ranging from a large-scale transport event, a fire involving a large chemical plant to even earthquakes and wildfires.

The LRF ensures that County Durham and Darlington has proportionate responses available to deal with large scale incidents through a multi-agency approach.

This is achieved through a number of working groups. These groups include risk assessment, training and exercising and warning and informing groups.

A directory of national risks is produced annually by the Cabinet Office and part of the role of the LRF is to carry out local assessments of national risks to determine impact and consequence if any event occurred and to develop plans that can be trained and exercised around to maintain an effective response. The LRF then captures this information in a Community Risk Register. Learn more about the most prominent risks affecting County Durham and Darlington:

<https://www.durham.police.uk/Informationandadvice/Documents/38697%20County%20and%20Darlington%20Risk%20Register%20April%202017%20version%201.0.pdf>

CDDFRS geographical area covers a wide range of risks including road networks, rail, industry and of course the weather. Most of these are regulated and well managed however as a service we have to be able to respond to all foreseeable risks.

We do this from 15 fire stations covering 5 administrative districts. In total we have 27 pumping appliances, all having a wide range of capability including responding to property fires, road traffic collisions (RTC's), working at height and water related incidents. CDDFRS specialist appliances are vehicles or capabilities used to deal with complex or larger rescues and incidents.

National Resilience Appliances/Capabilities are provided by the Government through special funding and management arrangements again to deal with often very complex and difficult incidents locally, regionally and nationally. The table below gives details on the full list of appliances and capabilities across the service



CDDFRS Capability

Station	District	Pumping* Appliances		CDDFRS Specialist Appliances/Capabilities	National Resilience Appliances/Capabilities
		WT	RDS		
Consett	Derwentside	1	1		
High Handenhold		1	1		
Stanhope			1	• Wildfire Unit	
Seaham	Easington	1	1	• Working at Height Level 3	
Peterlee		2			• High Volume Pump
Wheatley Hill			1	• Demountable Foam Sled	
Durham	Durham	2	1	• Aerial Ladder Platform • Hazardous Material Environmental Protection Unit	
Crook			2	• Welfare Vehicle	
Spennymoor		1	1	• Bulk Water Carrier	
Sedgefield	Darlington		1		
Newton Aycliffe		1	1	• Working at Height Level 3 • Incident Command Support Unit	
Darlington		2		• Aerial Ladder Platform	• Mass Decontamination Unit
Bishop Auckland	Wear & Tees	1	1	• Water Rescue Unit and Boat (National Response) • Flood Response Vehicle, • SRU • Animal Rescue Capability	
Middleton in Teesdale			1	• Wildfire Unit	
Barnard Castle			2	• Wildfire Unit	



Darlington District Local Risk Profile.

This district local risk profile covers **Darlington, Newton Aycliffe and Sedgfield** community fire stations and sets out our intentions and approach to the risks and challenges we face, to ensure that the people who live and work in, or visit County Durham and Darlington, are the safest people in the safest places.

This profile commits to the achievement of the service strategic priorities:

- Emergency Response
- Community Safety
- Business Fire Safety
- Value for Money
- Working Together
- Our People Our Way

Emergency Response staff are committed to the delivery of these priorities and to the values and behaviours of the service. We will also work closely with other sections of the service, partners and key stakeholders to manage and or mitigate risk, ensuring that our prevention & protection activities and emergency response arrangements are proportionately aligned to risk to deliver better outcomes for our communities.

Our risk profile is also dedicated to the following local priorities:

1. Reducing accidental dwelling fire fatalities
2. Reducing accidental dwelling fire injuries
3. Reducing the number of accidental dwelling fires
4. Reducing the number of non-domestic property fires
5. Reducing deliberate fire activity
6. Identifying and managing other life and property risks
7. Working in partnership to reduce other incident types e.g. water related incidents & RTC's
8. Maintaining district capabilities.



1. Reducing accidental dwelling fire fatalities

1.1 Over that last five years there have been **3** accidental dwelling fire fatalities in this district.

District:	Accidental Dwelling fire fatalities					
Station & Household Numbers	2013/14	2014/15	2015/16	2016/17	2017/18	Total
Darlington	1	1	1	0	0	3
Newton Aycliffe	0	0	0	0	0	0
Sedgefield	0	0	0	0	0	0
District total	1	1	1	0	0	3

2. Reducing accidental dwelling fire injuries

2.1 Over that last five years there have been **23** accidental dwelling fire injuries in this district.

District:	Accidental Dwelling fire injuries					
Station & Household Numbers	2013/14	2014/15	2015/16	2016/17	2017/18	Total
Darlington	2	7	2	3	6	20
Newton Aycliffe	0	0	1	2	0	3
Sedgefield	0	0	0	0	0	0
District total	2	7	3	5	6	23



3. Reducing accidental dwelling fires

3.1 Over that last five years there have been **325** accidental dwelling fires in this district.

District:	Accidental dwelling fires					
Station & Household Numbers	2013/14	2014/15	2015/16	2016/17	2017/18	Total
Darlington	51	49	43	50	49	242
Newton Aycliffe	25	12	12	14	10	73
Sedgefield	2	2	1	1	4	10
District total	78	63	56	65	63	325

4. Reducing non-domestic property fires

4.1 Over that last five years there have been **119** non-domestic property fires in this district.

District:	Non domestic property fires					
Station	2013/14	2014/15	2015/16	2016/17	2017/18	Total
Darlington	18	16	20	19	11	84
Newton Aycliffe	4	5	5	6	9	29
Sedgefield	2	1	2	1	0	6
District total	24	22	27	26	20	119



What are we going to do?

The **Darlington** district teams are committed to reducing accidental domestic/non-domestic property fires and related deaths and injuries to as low as possible.

We understand the differences in the profiles of people who could be more vulnerable to death or injury from fire and we will focus on key patterns, trends and associated human factors that enable teams to deliver local safety advice specific to their area through safe and wellbeing visits, fire safety audits and bespoke education where required.

We want to have the safest people in the safest places and to be a high performing district, supporting the overall aim of being the best performing fire and rescue service nationally.

Why we are going to do it

As a district, we want to continue to drive down the number of fire related deaths, injuries and incidents to as low as possible, targeting those people and properties who we believe are more vulnerable from having a fire.

We also recognise the economic, social and environmental benefits of reducing domestic and non-domestic property fires and associated injuries.

How we are going to do it

We will continue to engage with and support every team across the district and encourage them to be fully committed to the priorities within this local risk profile. We are supported by business fire safety and fire investigators who will identify patterns and trends of local, regional and national incidents so we can develop localised action plans aimed at reducing the number of reoccurrences through prevention and protection activities.

In 2018/19, we will adopt baseline minimum numbers of safe & wellbeing visits / fire safety audits for the district. These have been determined by looking across a range of factors to determine levels for prevention and protection activity. We will effectively utilise our available capacity to deliver these activities to protect those higher risk people and properties.



We will continue to use the high-risk ward tool as the key driver for prevention activity, however as part of our approach we have identified a number of additional risk factors for district teams to consider in our aim to reduce accidental fires in domestic and non-domestic properties and associated injuries and deaths to as low as possible. These will include:

- Targeting specific age groups;
- Developing specific local safety messages from previous incident experience;
- Considering people or properties outside the targeted 8 and 11-minute response times;
- Considering the use of MOSAIC data;
- Considering the use of Low Super Output Area data.

We will analyse past incident data to assist us in prioritising and ensuring that we are delivering our prevention and protection work where it is needed most. District teams will consistently review the location, cause and severity of accidental dwelling fires and non-domestic property fires using the last 5 years data to focus on the areas identified as being at the highest risk or where we could experience higher incident rates.

Safe & wellbeing visits are our vehicle to achieving reductions in accidental dwelling fires and associated injuries. We will also look at the number of accidental dwelling fires occurring across the district and provide a proportionate number of safe and wellbeing visits inline with the identified baseline numbers. We will continue to use the service business information and intelligence systems to determine those people and or properties with the greatest vulnerabilities or who are a higher risk and work closely with the Community Risk Management (CRM) and Communication teams to determine the most effective way of developing local plans to provide specific education to make homes and communities safer.

We will adopt a similar approach to the reduction of non-domestic property fires. The vehicle to achieve this are fire safety audits



SWV Baseline Minimum Number's

District:	2018/19 SWV Baseline Numbers											
Station	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Darlington	253	253	253	253	253	253	253	253	253	253	253	253
Newton Aycliffe	82	82	82	82	82	82	82	82	82	82	82	82
Sedgefield	22	22	22	22	22	22	22	22	22	22	22	22
District total= 4,282	357	357	357	357	357	357	357	357	357	357	357	357

FSA Baseline Minimum Number's

District:	2018/19 Fire Safety Audit Baseline Numbers											
Station	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Darlington	26	28	34	33	35	30	32	30	14	25	27	24
Newton Aycliffe	9	11	11	11	11	11	10	10	10	10	10	10
Sedgefield	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
District total= 462	35	39	45	44	46	41	42	40	24	35	37	34

Key Wards or Low Super Output Areas (LSOA)

1. Reducing accidental dwelling fire fatalities - Station	Ward / LSOA	Rationale
Darlington	Cockerton West/North Road/Central/Lascalles	All top 10% LSOA spread within ward areas. Sustained level of ADF. High risk ward banding.
Newton Aycliffe	Neville and Simpasture/Greenfield Middridge/Shafto St Marys/West	Top 10-30% LSOA spread. All high-risk ward banding.
Sedgefield	Sedgefield/Fishburn and Trimdon.	High risk ward area banding.



2. Reducing accidental dwelling fire injuries - Station	Ward / LSOA	Rationale
Darlington	Cockerton West/North Road/Central/Lascelles	All top 10% LSOA spread within ward areas. Sustained level of ADF. High risk ward banding.
Newton Aycliffe	Neville and Simpasture/Greenfield Middridge/Shafra St Marys/West	Top 10-30% LSOA spread. All high-risk ward banding.
Sedgefield	Sedgefield/Fishburn and Trimdon.	High risk ward area banding.

3. Reducing accidental dwelling fires – Station	Ward / LSOA	Rationale
Darlington	Cockerton West/North Road/Central/Lascelles	All top 10% LSOA spread within ward areas. Sustained level of ADF.
Newton Aycliffe	Neville and Simpasture/Greefield Middridge/Shafra St Marys	Top 10-30% LSOA spread. All high-risk ward banding.
Sedgefield	Sedgefield/Fishburn and Trimdon.	High risk ward area banding.

4. Reducing non-domestic property fires - Station	Ward / LSOA	Rationale
Darlington	Hurworth/Northgate/Central/North Road/Lingfield	Response isochrone measurements. Expansion of light industrial and retail areas.
Newton Aycliffe	Shafra St Marys/Neville and Simpasture	High risk ward 0-10% banding. COMAH site. Secure accommodation site.
Sedgefield.	Sedgefield/Fishburn and Trimdon	Response isochrone measurements. Concentration of business and light industrial premises.

5. Reducing deliberate fire activity

- 5.1 All fires are categorised by the Home Office. The two main types of fire are primary and secondary fires. Both fire types can be caused accidentally or deliberately



5.2 Primary Fires - include all fires in buildings, vehicles and most outdoor structures or any fire involving casualties, rescues or those fires attended by five or more pumping appliances.

5.3 Secondary Fires – are reportable fires that:

- Were not chimney fires;
- Did not occur at primary locations (unless derelict);
- Did not involve casualties, rescues or escapes;
- Were attended by four or fewer pumping appliances.

5.4 Over that last five years the district has been mobilised to the following number of deliberate fires:

Station 15 Darlington	Total Fires (Primary + Secondary Fires)	Total Deliberate Primary Fires (DPF)	% DPF of Total Fires	Total Deliberate Secondary Fires (DSF)	% DSF of Total Fires	% Total Deliberate Fires
2013/14	473	61	13%	327	69%	82%
2014/15	430	51	12%	289	67%	79%
2015/16	448	67	15%	285	64%	79%
2016/17	486	51	10%	313	64%	74%
2017/18	561	64	11%	388	69%	81%



Station 11 Newton Aycliffe	Total Fires (Primary + Secondary Fires)	Total Deliberate Primary Fires (DPF)	% DPF of Total Fires	Total Deliberate Secondary Fires (DSF)	% DSF of Total Fires	% Total Deliberate Fires
2013/14	152	25	16%	86	56%	73%
2014/15	114	10	9%	81	71%	80%
2015/16	153	12	8%	111	73%	80%
2016/17	182	25	14%	97	53%	67%
2017/18	222	32	14%	147	66%	81%

Station 10 Sedgefield	Total Fires (Primary + Secondary Fires)	Total Deliberate Primary Fires (DPF)	% DPF of Total Fires	Total Deliberate Secondary Fires (DSF)	% DSF of Total Fires	% Total Deliberate Fires
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2013/14	29	2	7%	19	66%	72%
2014/15	29	0	0%	17	59%	59%
2015/16	38	9	24%	24	63%	87%
2016/17	20	4	20%	8	40%	60%
2017/18	23	5	22%	9	39%	61%

Local Context:

2017/18 reporting year has seen a slight rise in incident numbers across the stations within Darlington district (Darlington, Newton Aycliffe and Sedgfield). It should however be noted that we are seeing accidental dwelling fires (ADF) plateau at 48.2 ADF over a five-year period within Darlington borough. Newton Aycliffe and Sedgfield have experienced similar ADF rates averaging 17 and 3.8 ADF over the same five-year period.

Deliberate primary and secondary fires continue to provide challenges, with deliberate secondary fires providing the bulk of each stations fire response rate figures.

Deliberate secondary fire rates generally increase over the drier months and around holiday periods such as the Easter, Spring and Summer holidays. Typically, we also experience arise around the Guy Fawkes/Bonfire period in late October and early November each year. The majority of these incidents occur between 16:00 and 23:00 hours, with 40-50% of these involving loose refuse, rubbish and scrubland.

What are we going to do?

Our district teams recognise that there are a wide range of social issues that can contribute to a range of deliberate primary and secondary fire types occurring, from low level ASB to more serious criminalised activity. The district teams are committed to working in partnership with a range of stakeholders to develop innovative ways to reduce the number of deliberate fires year on year.



Why are we doing it?

Our district teams understand the impact that deliberate fires have on our communities, from general nuisance to causing long term blights on the landscape. We also recognise the social economic benefits of reducing all types of deliberate fires which include increased insurance premiums.

How are we going to do it?

We understand that we need to work in partnership to deliver better outcomes and results for the communities we serve. We will work closely with our Community Risk Management, Fire Investigation (FI) and Communications teams as well as with the Police and Local Authorities to both support the identification of incident patterns and trends and also develop localised multi agency action plans designed to reduce the number of deliberate fires in the area.

We will identify the most prevalent deliberate fire types and those areas worst affected through the use of the service business information and intelligence systems.

We will use past incident data analysis and share intelligence to assist us to prioritise and ensure that we are targeting our resources to those areas most at risk and balanced against our other prevention and protection activities

The service has an agreed partnership protocol for dealing with deliberate fires. The top 30% of the worst affected areas are considered on a monthly basis. During this monthly review a look back over the previous three months data is carried out. These incidents are then sub divided into 10% tiers and managed through an escalation process:

L3 (upper tier) – The incidents that are occurring in this tier are referred to the Multi Agency Partnerships (MAPs') to determine specific multi agency action plans to reduce this higher level of deliberate activity.

The service also plays a part in influencing the direction of thematic group's e.g. ASB group of the Safe Durham Partnership (SDP) who influence the work of the Multi Agency Problem Solving (MAP) groups.

L2 (mid tier) – District teams working closely with the communications team and community risk management section to develop specific actions and messages to reduce the amount of deliberate activity



L1 (lower tier) – Managed locally through the supervisory managers liaising with partners to determine local solutions which may include for example attending PACT and community group meetings to obtain partner support to reduce the amount of deliberate activity



6. Identifying and managing other life and property risks

Each station within the district is responsible for generating and maintaining risk information to support effective emergency response. Utilising the service operational risk information (ORI) procedure, each station will use recognised information sources e.g. national/community risk register, business fire safety / building control information and incidents that have occurred locally, regionally or nationally to identify risks within their station areas.

Following the initial risk assessment process, we will develop proportionate ORI which will include SSRI's, tactical information notes or emergency response plans to support our response to these locations.

We are also committed to ensuring that we carry out periodic district training and exercising at our identified top risks. We will work closely with the Emergency Response and Resilience Planning team to achieve this.

The Assurance and Assets team will periodically provide thematic information that will also be used as a driver for this type of activity.

Highest District Life/Property Risks:

Station	Top 5 risks	Rationale
STN 15 Darlington	1.Durham Tees Valley Airport (DTVA)	International airport and freight terminal. Bulk fuel farm on site.
	2.Darlington Memorial Hospital (DMH)	Medical hospital with accident and emergency facilities.
	3.West Park Hospital	Secure unit with disabled residents.
	4.Broken Scar Water Treatment Works	Water treatment facility, storage of hazardous materials.
	5.CPI Biologics Centre	Research and development.

Station	Top 5 risks	Rationale
STN 11 Newton Aycliffe	1.Inovyn	COMAH site
	2.Preferre Resins	Business processes and hazardous material storage.
	3.Veolia Bio Energy	Bio mass power station.
	4.Lucite	Polymer production.
	5.Gestamp	Heavy industry with hazardous materials storage.



Station	Top 5 risks	Rationale
STN 10 Sedgefield	1.Netpark Incubator	Science and technology research
	2.Pactiv	Plastics manufacturer
	3.Sedgefield Community Hospital	Community hospital with infirm residents.
	4.	
	5.	



7. Working in partnership to reduce other incident types e.g. water related incidents & road traffic collisions

7.1 Road traffic collisions (RTC's)

Station 15 Darlington	RTC's Attended	Number of Extrications or Medical Release	Percentage
2013 - 14	43	18	42%
2014 - 15	40	19	47%
2015 - 16	43	17	40%
2016 - 17	47	16	34%
2017 - 18	62	20	32%

Station 11 Newton Aycliffe	RTC's Attended	Number of Extrications or Medical Release	Percentage
2013 - 14	23	11	48%
2014 - 15	25	8	32%
2015 - 16	22	9	41%
2016 - 17	25	9	36%
2017 - 18	23	7	30%

Station 10 Sedgfield	RTC's Attended	Number of Extrications or Medical Release	Percentage
2013 - 14	9	4	44%
2014 - 15	14	6	43%
2015 - 16	11	4	36%
2016 - 17	7	4	57%
2017 - 18	11	2	18%



What are we going to do?

We will work in partnership with the Road Casualty Reduction Partnership of the County Cleveland & Durham Specialist Operations Unit (CDSOU) to identify joint working opportunities in areas most at risk of RTC's occurring.

Why are we doing it?

Across the UK there still continues to be a significant number of RTC's daily resulting in death or serious injury. Every year CDDFRS attend a significant number of Road Traffic Collisions (RTC's) across the service. Often crews are required to extricate casualties from vehicles where the cause of the RTC may have been influenced by speeding or distraction.

How are we going to do this?

District teams have access to Traffic & Accident Data Unit (TADU) information which is taken from the Capita Innovations Road Traffic Accident System (CIRTAS)

Where appropriate we will identify accident hotspots and work with partners to determine innovative ways to support the reduction of RTC's across the district area.

The district will also support the service in local and national safety campaigns e.g. BRAKE Road Safety Week.

7.2 Water Safety

What are we going to do?

We will seek partnership opportunities to support the joint aim of reducing water related incidents that result in death and serious injury

Why are we going to do this?



Every year the service attends a number of water rescue incidents which occur over a wide range of locations, situations and scenarios. The service already supports a number of national and regional campaigns e.g. “Dying to be Cool” and local water safety groups.

How are we going to do this?

We will use past incident data to identify any specific locations that present a higher than normal risk of a water related incidents and will work with the Communications team, Community Risk Management team and external partners including the third sector and local communities to support initiatives that aim to reduce this type of incident.

8. Managing district capabilities

The availability of emergency response appliances is key to maximising the capability of the service.

Ensuring the continued availability of all front-line appliances is a key objective of the district.

The district operates under the support and guidance of the Emergency Response & Resilience Planning section and the Assurance and Assets section to ensure that capabilities are maintained, with foreseeable risks identified, managed and mitigated and to ensure that business continuity arrangements remain current and tested in line with service procedure.

District teams will also work closely with the Human Resources section to support recruitment and training requirements to maintain emergency response capabilities.

How are we going to measure this?

The Emergency Response section has a number of performance indicators, used to ensure we maintain high levels of preparedness and response.

This includes the time taken from the moment a 999-emergency call is received by a Command & Control operator to dispatching the appropriate appliances.

Even though the number of accidental dwelling fires continues to reduce, we are still committed to mobilising to this type of incident as quickly and as safely as possible. We also adopt this approach for RTC's and non-domestic property fires.



16 of our 27 pumping appliances are crewed by staff working on the retained duty/On Call system. These people generally have other primary employment but provide a significant amount of emergency response cover to sustain our overall capability.

Area of Performance	Primary target level of Performance	Secondary target level of Performance
Time between receiving an emergency call and the dispatching of resources	90% of all emergency calls will answered and resources dispatched within 90 seconds	N/A
Attendance at accidental dwelling fires	70% responded to within 8 minutes	90% responded to within 11 minutes
Attendance at fires in non-domestic properties	70% responded to within 8 minutes	90% responded to within 11 minutes
Attendance at RTC's	75% responded to within 11 minutes	90% responded to within 15 minutes
Availability of RDS Appliances	All RDS appliances are to be available 90% of the time	N/A

District Management Contact Details:



Glossary of Terms

Abbreviation	Meaning
WT	Whole Time Emergency Response crews who are permanently based on the station
RDS	Retained Duty System Emergency Response crews respond from work or home and must live or work within 5 minutes from the station.