

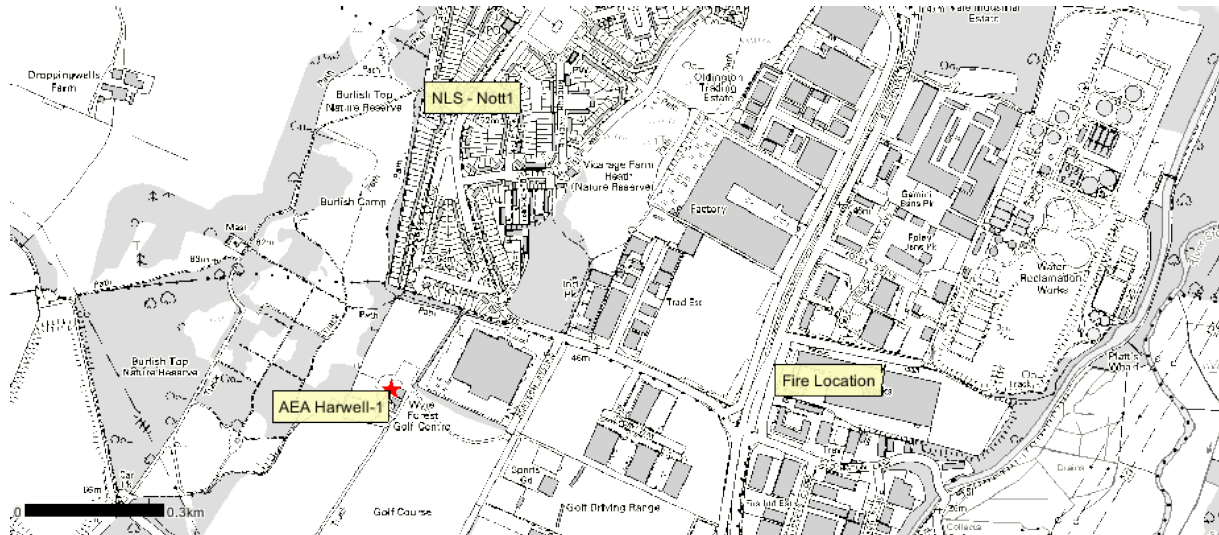
Version: Initial report Update 1

<b>Incident location</b>	Stourport Rd, Kidderminster, DY11 7QE <b>Grid reference:</b> Easting: 382065; Northing 273730 <b>Site name:</b> Lawrence Skip Hire <b>Type of site:</b> Permitted waste site <b>Local authority:</b> Wyre Forest Local Authority	
<b>Report date</b>	<b>Report time</b>	
17/06/2013	13.50	

*[All subsequent updates to the Summary Report are to be entered in **BOLD text** in addition to previous entries, which should remain on the summary report in plain font, presenting a consolidated picture based on current data and 6hr, 12 hr and 24hr forward looks ]*

## 1. Summary of incident and Air Quality monitoring data available - prepared by EA

- Fire at Lawrence Skip Hire, Kidderminster – Grid Ref: 281999,373675
- Large fire at a permitted waste site. RDF waste, including recycled plastics, mixed waste and canisters.
- Fire-fighting activities – 14 tenders currently not likely to extinguish the fire for several hours or days
- Current position – appears to be stable expecting additional monitoring information to inform future approach from the AQ Cell
- Estimated remaining duration of release or plume – fire likely to burn for several days;
- Air quality monitoring data – two monitoring locations both have been sampling from approximately 6AM:
  - Gold Avenue (GR381200,274258) – low particulate results so far. Strategy is to move this monitor to Burlish Park Primary School (GR382055,273716).
  - Zortech Avenue - 381140,273678 – results being reviewed by PHE



## 2. What is the worst case scenario? Coordinated by EA

- As the fire progresses, lower hear release could result in the plume grounding close to the local housing.
- If the roof of the building contains asbestos, potential to release asbestos particles into the environment.

## 3. Information from similar incidents - Prepared by PHE

Currently no information about similar incidents

## 4. Meteorological situation - prepared by Met Office

**0 – 6 hours ahead:** Wind direction remaining northeasterly (between 040 and 070) through the period, (towards the southwest between 220 and 250), with around 10mph (20km/hr). Further outbreaks of light rain, gradually petering out.

**6 - 12 hours ahead:** A slow backing of wind direction but, at the same time, a decrease in speeds. Directions, mainly 020 - 050, towards 200 – 250, decreasing to around 5mph (10km/hr). Generally dry, variable cloud but becoming more stable late in the period.

**12 – 24 hours ahead:** Wind speeds will remain light, around 5mph (10km/hr). Directions are expected to be predominantly from the northeast (020 - 050, towards 200 – 250), but may be more variable. Showers are forecast to move northwestwards across the area around midday Tuesday, perhaps heavy for a time. However, there is some uncertainty on that detail. If showers move through, this would give washout.

## 5. Forward look – potential impacts on the environment - prepared by EA

### 0 – 6 hours ahead:

Due to meteorological forecast, continue to monitor at Zortech Avenue as representative of likely local exposure. Review the data to consider the public health risks (PHE). Move the Gold Avenue monitoring team to Burlish Park Primary School. Not currently likely to be in the plume but the wind directions may change to a more northeasterly overnight and so monitoring here will be precautionary and advise on impacts a sensitive receptors.

**6 - 12 hours ahead:**

As above. Monitoring results from Burlish Park School likely for 9AM.

**12 – 24 hours ahead:**

To be informed by PHE appraisal of monitoring results and other observed evidence.

**6. Forward look – prepared by PHE****Comparison of pollutant concentrations with health based standards.****0 – 6 hours ahead:****Particulates**

Particulate monitoring has been returned for both sampling locations. The Particulate matter data at Gold Avenue has shown that these are generally below 150ugm<sup>3</sup> (average is 74ugm<sup>3</sup>) over the time period (0748 to 1055). Particulates at Zortech Av have been variable between 0900 and 0947 with a gradual increase to above 150ugm<sup>3</sup>. The PM10 levels remain below 300ugm<sup>3</sup>.

**Irritant gases**

Monitoring has indicated presence of acrolein and phosphine at elevated levels. Previous monitoring experience indicates that these results may be unreliable based upon a known interference with the analytical technique due to the limit of detection and the complexity of the plume. Furthermore no symptoms consistent with significant exposure to acrolein or phosphine have been reported by the monitoring team and acrolein levels do not seem to correlate well with the particulate measurements. We will be asking the monitoring teams to keep the AQC updated on any ground observations that might indicate further investigation is required in relation to these results.

**6 - 12 hours ahead:**

Not supplied

**12 – 24 hours ahead:**

Not supplied

**7. Issues, comments and requests – prepared by EA**

The Air Quality Cell discussed the potential to deploy a mobile laboratory capable of real-time measurements. Advised by PHE, the AQ Cell agreed that the lab is not likely to provide added value to the existing monitoring strategy at this point. This decision will be kept under review.

**Log of requests for Air Quality monitoring and sampling timeline/strategy**

Request – [organisation/ individual]	Monitoring/sampling -pollutants	Frequency of downloads	Location of monitoring/sampling	Timeline for next download
		Since 6am	Gold Avenue	
		Since 6am	Zortech Avenue	
		Relocated here 17/06 PM	Burlish Park Primary School	

## **8. Other sources of information – prepared by EA Public Health media statement**

**“17<sup>th</sup> June 2012**

### **Fire at Lawrence Recycling and Waste Management**

We are not aware of any reports of any people experiencing ill effects from this fire. The Fire and Rescue Service is on-site dealing with the fire and the other agencies involved will continue to monitor the situation and issue advice to the public, businesses and organisations affected as necessary.

Smoke from any source may contain substances that can irritate the lining of the air passages, eyes and the skin. Respiratory symptoms can include coughing and wheezing, breathlessness, sputum (phlegm) production and chest pain. People with asthma and other respiratory conditions may be particularly susceptible to the smoke and should carry and use their medication (such as their inhalers) as usual. If symptoms occur, people should seek medical advice or call NHS Direct 0845 4647.

Dr David Kirrage, a consultant with the Public Health England’s West Midlands West Health Protection Team, said: 'It’s important that local residents understand that the risks to their health are low, however smoke is an irritant so it can make people’s eyes and throat sore. It may also worsen any breathing or heart conditions they have.

“The general advice remains that people should do all they can to stay out of the smoke. If concerned, staying indoors with the doors and windows closed should provide some protection.”

If residents are affected by smoke they should stay indoors, keep their doors and windows closed, and tune in to the local radio station for advice and information. Motorists who have to travel through the smoke should keep windows closed, turn off air conditioning and keep their air vents closed.

## **9. Log of Local Authority contact - prepared by EA**

Awaiting call back from Local Authority

## **10. Next report**

The next:

- **Summary Report** will be produced at 9.30am 18/06/2013

- **Monitoring data update** will be provided 8.00am 18/06/2013

### Version Control

<b>Version</b>	<b>Updated by (name and organisation)</b>	<b>Date</b>	<b>Time</b>
<b>Initial report</b>	<b>Gemma Simpson Environment Agency</b>	<b>17/06/2013</b>	<b>13.50</b>
<b>Update 1</b>			
<b>Update 2</b>			
<b>Update 3</b>			