

## **Note of CAPS meeting – 1 June 2016**

**Attending:** Robin Sharp – QPARA; Jamie Newall – QPARA; Souraya Choukeir – QPARA; Amandine Alexandre TTKK; Sarah Reynolds – Salusbury World; Ollie Hayes – Friends of the Earth; Juhaina Junaid – Brent Council

**Apologies:** Liz Haggard – QPARA; Diane Haynes (QPARA); Brent Friends of the Earth

### **Item 2: Main actions since last meeting**

**Overview document:** A CAPS overview document has been produced. There is general support for the document, which may need to be updated as the project progresses.

**Letters to schools:** Letters have been sent to the five schools along Salusbury Road inviting them to participate in the CAPS project. So far only Salusbury Primary has responded to say they would be happy to participate. Richard Jarmin, Head of Science, is the contact. There is a meeting with all five schools and Brent Council on 15<sup>th</sup> June regarding parking arrangements for local schools. This will be an opportunity to follow up re: CAPS.

#### Actions

- Sarah to follow up with her contact at Islamia Secondary School
- Jamie to follow up with Islamia Primary School
- Robin to raise CAPS at 15<sup>th</sup> June meeting
- Robin to write to Richard Jarmin at Salusbury Primary to welcome him as our contact

**Publicity:** To date, CAPS has been publicised via QPARA's meeting, facebook and website. When the project launches, we can seek further publicity including in local media (e.g. Kilburn Times). [After-note: Robin will explore putting note of meeting on QPARA website.]

### **Item 3: Other contacts**

**Transition Town Kensal to Kilburn (TTKK)** are planning a project to monitor air quality in the area. This was inspired by an [air quality monitoring project in Camden](#) conducted by the Kentish Town Transition Town, who have put TTKK in touch with Andrew from Clean Air UK for support. The first meeting to plan the monitoring will be on Wednesday 8<sup>th</sup> June. The location and date for the monitoring have not yet been set, but it may start in August. TTKK are likely to use diffusion tubes. Souraya will represent CAPS at the TTKK meeting.

**Brent Friends of the Earth** – representatives were not available to attend this meeting but are supportive of the CAPS project and are making air pollution a priority for action.

**Kensal Rise Residents Association (KRRA)** – carried out an air quality monitoring project along Chamberlayne Road with the support of Client Earth which showed significant exceedances. No formal report was written for the project. It was agreed that more detailed information about traffic types and the timing of pollution spikes was needed for Salusbury.

#### **Other useful sources of information:**

- The planning applications portal on Brent Council website includes documents relating to air quality studies for major projects such as Queen's Park Place and the station site.
- The [Mapping for Change](#) project carried out with residents living in the Barbican funded by the City of London is a good project to explore:
- [Air text](#) is a good source of information and useful for raising awareness of air pollution
- The London Air Emissions Inventory (LAEI) – generated by the GLA using air monitoring information from the boroughs – summarises the air quality picture across the capital.

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Actions:

- Juhaina to circulate information on where monitoring tubes are currently located in the Kensal to Kilburn area
- Ollie to circulate information on the Mapping for Change project (see hyperlink above)
- Amandine to circulate link to Camden air quality study (see hyperlink above)

#### **Item 4: Mayor's air quality announcement**

The Mayor has [announced that he will launch a formal policy consultation](#) soon on a package of measures to tackle air pollution. It was agreed that it would be worth writing to the Mayor to congratulate him on taking a proactive stance on air pollution and to make him aware of CAPS, as well as writing to relevant officers at the GLA to understand how our project could add value to work they are doing.

Actions:

- Juhaina to send contact details for any relevant officers at the GLA
- Souraya to identify a relevant GLA officer: Robin & Souraya to decide what to send them
- Souraya to draft a letter to the Mayor: Robin to send.

#### **Item 5: Update on Brent Air Quality Action Plan**

It is a statutory requirement for local authorities to have an up-to-date air quality action plan. Brent Council is working on an updated plan that will go out for public consultation in August or September this year. The plan will look primarily at traffic related schemes, as well as CHP (combined heat and power systems) and construction site vehicles and machinery. The council is currently modelling exceedance levels across the borough, which will provide more detail on the status of air quality in Brent at the moment.

#### **Item 6: Planning CAPS monitoring phase**

***Aims of the monitoring project:***

- To identify levels of exceedance of harmful pollutants including NO<sub>x</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> in the Salusbury Road area
- To establish how air quality varies based on proximity to the main road
- To establish how air quality varies over time, and whether there are spikes in pollution at particular times of the day, or during particular periods (e.g. during the school term)
- To establish whether spikes in air pollution are associated with the passage of particular types of vehicles (in so far as feasible)

***Type of monitoring equipment:***

- Diffusion tubes measure NO<sub>x</sub> but not PMs. They are a crude monitoring tool as they can't capture spikes in pollution; they just give an average over a period of time.
- Mobile monitoring units are more sophisticated as they measure NO<sub>x</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> and take a reading roughly every minute, with information fed automatically to a computer via a modem.
- The best approach is to have a mix of diffusion tubes and mobile monitoring installed over the same period – this would enable us to pick up spikes in pollution (i.e. how levels vary during the course of the day) as well as demonstrating how pollution levels drop off as you move further away from the main road
- Brent Council has a mobile monitoring unit that we could use for the CAPS project.
- An alternative approach is to use portable monitoring devices such as Clean Space Tags. These are less accurate, as they measure Carbon Monoxide as a proxy for NO<sub>x</sub> and PMs, but they are much better for public engagement (including working with schools). A new version is due to come out in a few months' time which will measure NO<sub>x</sub> directly.
- In order to identify the causes of spikes in pollution levels, we would also need to organise a traffic count.

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#### ***Location of monitoring equipment:***

- Diffusion tubes should be installed at approx. 2m height and be tied to lampposts / traffic lights etc. Brent Council air pollution department have an agreement with the transport department to install diffusion tubes on lampposts etc.
- Tubes should be placed at least 50m apart. Some should be very close to the road and some further back, to pick up how pollution levels vary as you move further away from the main road. A total of 10 might be sufficient for CAPS.
- The mobile monitoring unit requires access to a power source – we need to check if this means a normal 3-point plug and cable or something more high-powered.
- The unit should be sited 2 – 3m from the road in order to measure pollution levels on that road, and should not be under a tree as this would interfere with the readings.
- As the unit is enclosed, it does not need additional security measures such as fencing, although it would be helpful to be near a CCTV camera.
- Possible sites to explore for the mobile monitoring unit:
  - Salusbury Primary School → Sarah to follow up
  - Islamia Primary or Secondary School → Jamie to follow up
  - Car Park outside St Anne's Church → Jamie to follow up

#### ***Timing of the monitoring:***

- The monitoring should take place over several weeks (say 6-8) and include term and school holiday time for the purpose of comparison.
- The council is planning to use the mobile monitoring unit on a construction site for 3-4 months starting in either September or October. We would be welcome to use it either before or after that project.
- As it seemed unlikely that school interest and participation could be marshalled before September, the monitoring might be in two phases: first via the static tubes and monitoring unit and secondly by clean space tags, engaging children and parents.

#### ***Costs of monitoring:***

- There would be no charge for using the council's mobile monitoring unit. Brent would pay for the data analysis but QPARA would need to offer to pay whoever bore the direct electricity costs (c. £50 - £75 a month); Brent would need to check out sites with us
- QPARA could consider purchasing the diffusion tubes
- Simple traffic count systems cost as little as £50 a week (e.g. for strips across the road)
- Clean Space tags cost approx. £70 each

#### **Actions:**

- Sarah to check holiday dates of Islamia schools
- Juhaina to email us the dimensions and photos of the mobile monitoring unit
- Juhaina and Ollie to send us details of a company that can supply monitoring tubes
- Ollie to send details of the clean space tag when available
- Robin to follow up with Guna at Brent Council Transportation re: traffic counts
- Robin to clear initial budget with QPARA

#### **Item 7: AoB**

FoE are planning a big schools strand to their work starting in September. They would be interested in doing a case study of CAPS to promote good practice elsewhere. They might be able to contribute some funds.

#### **Actions:**

- Ollie to provide leaflets for Queens Park Day

#### **Item 8: DONM**

## Item 8: DONM

The next meeting will be at 10.30am on Wednesday 6<sup>th</sup> July (NB. Juhaina cannot make that date but we can liaise with her separately).

Souraya was warmly thanked for her hospitality.

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### Summary of actions

- Amandine to circulate link to Camden air quality study
- Jamie to follow up with Islamia Primary School about their involvement with CAPS and possible siting of the mobile monitoring unit in the school playground
- Jamie to follow up with St Anne's re: siting the mobile monitoring unit in the car park
- Juhaina to email us photos and dimensions of the mobile monitoring unit
- Juhaina to send us contact details for traffic counts
- Juhaina to send us details of a company that can supply monitoring tubes
- Juhaina to circulate information on current monitoring tubes in Kensal to Kilburn area
- Juhaina to send contact details for any relevant air quality officers at the GLA
- Ollie to send details of a company that can supply monitoring tubes
- Ollie to send details of the clean space tag
- Ollie to circulate information on the Mapping for Change project
- Ollie to provide leaflets for Queens Park Day
- QPARA to encourage people to come to Queens Park Day by public transport
- Robin to suggest CAPS display in QPARA tent
- Robin to put CAPS budget to QPARA
- Robin to follow up with Guna at Brent Council regarding traffic counts
- Robin to raise CAPS at 15<sup>th</sup> June meeting with schools
- Robin to write to Richard Jarmin at Salusbury Primary to welcome him as our contact
- Sarah to check holiday dates of Islamia schools
- Sarah to follow up with Islamia Secondary School about their involvement with CAPS and possible siting of the mobile monitoring unit in the school playground
- Sarah to follow up with Salusbury Primary School about possible siting of the mobile monitoring unit in the playground
- Souraya to write up notes from the meeting
- Souraya to try to identify a relevant air quality officer at the GLA
- Souraya to draft a letter to the Mayor: Robin to send.