

Environment Dashboard - Period 13 2013-14

Version for Issue October 2016 - Crossrail contract numbers and names and Crossrail worksite names have been deleted and numbers shown in the dashboard (e.g. C001 and Site 1) have been used to illustrate how the information was displayed. Details of works on site have been deleted and replaced by XXXXX.



Period Overview

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At the close of 2013/14, Crossrail is on track to exceed the 8% reduction target for construction energy. Current contractor predictions vary from less than 1% to over 25%, with an average of 11%. The focus for next year will be on working with contractors to refine their models to provide greater certainty of predictions.

Key Accomplishments
- There was a successful visit by London Assembly Environment Committee to Site 1. The members were provided with a presentation of Crossrail's environmental work, and also had a visit to the site.
- Four incident improvement ideas have been selected by contractors to be taken forward by small working groups. An initial brainstorming workshop was held, aided by facilitators from the Innovate team.
- The Green line recognition scheme was presented to C002 at Site 2.

Progress update
- There have been two further XXXX incidents in period 13. One of these incidents came to light as a result of an alert issued relating to YYYY.
- Work commenced on two projects led by Crossrail's Engineering Graduates. One project relates to Crossrail's air quality data and the other is examining water use and the potential for water savings.

Energy in Construction

100%

The KPI score is currently 100% with the average % reduction at 11.5%. In progress: C016 are showing an expected reduction of 1.2% which is below the minimum target of 4% and will be assisted in scoping further reduction initiatives. C017 and C018 are currently unable to provide sufficient information for performance reporting in P13. They will be assisted over the next few periods in order to provide sufficient information. C019 and C020 are currently not required to report but are expected to report in 2014/15.

CEEQUAL and BREEAM

93%

C020 failed to produce interim progress reports on their award status at the end of P13 - it is expected that they will provide an update in the next period. Otherwise all other contracts remain on track to meet the targets of Very Good for BREEAM and Excellent for CEEQUAL.

Waste

100%

Waste diverted - cumulative	Construction	Excavated material	Recycled content
P7	99%	99%	32%
P8	99%	99%	32%
P9	99%	99%	32%
P10	99%	99%	32%
P11	99%	100%	32%
P12	99%	100%	32%
Target	90%	95%	15%
Total to date (t)	74,754	4,022,265	N/A

Resource consumption

Resources used	Electricity (kWh)	Fuel (litres)	Water (m3)
P7	6,780,823	963,126	40,078
P8	5,541,795	870,405	29,524
P9	5,822,926	973,507	27,345
P10	4,497,289	559,263	32,829
P11	6,308,994	990,147	61,081
P12	4,707,074	945,389	28,732
Average per period	5,609,817	883,640	36,598
Total to Date	91,203,080	26,215,546	890,032

Waste: Crossrail remains on target for the recycling and reuse of waste and excavated material and for the use of recycled content in new construction materials.
Resource consumption: Reductions in electricity and fuel consumption are being pursued in conjunction with the Energy in Construction KPI
Network Rail: At P12, 95% of excavated material and 98% of construction waste had been diverted from landfill.

Consents

38% P 40% T1 58% T2 35%

Environmental commentary: During P13 there were no environmental consents.
Traffic 1 commentary: During P13 Nine notices met the target (2xC001; 2xC002; 1xC003; and 4xC004) and one notice did not (1xC005).
Traffic 2 commentary: During P13 Two submissions met the target (2xC006; and 1xC007) and two submissions did not (1xC008 and 1xC009).

Undertakings & Assurances

100%

Out of the 10 contracts that were due to upload evidence into CDT, all did so in accordance with their Commitments Compliance Plan. Surface contracts have only begun to use CDT since P5. Consequently surface performance is not presently included in the overall performance score of 100%. Total No. of PIRs raised this period = 1

Emissions Control

98%

There is no update this period. Emissions control compliance remains as per P11 at 98%. Tracking of dispensations continues in order to set a consistent approach and get a better understanding of compliance with emission control standards across the programme. Dispensation reduction action plans to be implemented on all sites by Q4. C001 and C002 did not report in Q3 as contracts have closed. Please note: The actual % of compliant plant (with dispensations included) = 81%

Complaints

41

Central Section - Environmental complaints for Period 13 increased (compared to Period 12) at 41. 88% of complaints for P13 were noise and vibration related. Site J received the most number of complaints (13 in total).
Surface Section: The number of complaints remained constant in Period 13 at 16 complaints (compared to 13 in Period 12). Of the 16 complaints received 9 complaints related to noise, vibration and light, 2 related to highways issues, 3 related to damage to property and 2 related to general site activities.

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Incidents

53

Environment commentary: - There were two level 2 incidents this period both relating to waste XXXX. The C001 and C002 incident related to XXXX because XXXX.
Traffic commentary: - There was 1 level 2 incident recorded in Period 13 (C003 Failure to have a traffic consent (ID 3042539))
Area 1 commentary: - There was 1 major environmental incident in Period 13 at Site 17 where work was undertaken XXXXXX.

Incidents reported on-time

76%

The percentage of incidents reported on-time (rolling 13 period) for P13 has decreased from the previous period to 77%. Note: Level 3's and 4's only.

Observations

There has been an increase this period in the uptake of completed Environmental Observation Forms across the project. As demonstrated in the pie chart, water/flood risk resulted in 36% of negative observations raised. This included items such as absence of pollution control measures (e.g. spill kits/drip trays etc) and improper storage of COSHH materials.

Training

557

The total number of staff trained has met and exceeded the target. The majority of training conducted this period is Incident Training on contract C001, which was conducted co-jointly with Health and Safety, New Starter Training and Environment Awareness Training to the CRL facility team. Note: The category "Bespoke training" relates to Smartwaste, air quality- emission control and noise training

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