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# Bovis Lend Lease UK – Sustainability Review 2008

## Independent Assurance Statement:

## Carbon & Energy Management Section; and Waste Section

### **INTRODUCTION**

WSP Environmental (WSP) was commissioned by Bovis Lend Lease UK to conduct an independent external assurance review of the Carbon & Energy Management and Waste sections of the Bovis Lend Lease UK Sustainability Review 2008.

The aim of this statement is to provide assurance to stakeholders that the information provided by Bovis Lend Lease UK in the Carbon & Energy Management and Waste sections of the Bovis Lend Lease UK Sustainability Review 2008 is appropriate to the nature and activities of Bovis Lend Lease UK business operations as well as accurate, reliable, objective and has been validated by an independent third party.

### **OUR ASSURANCE RESPONSIBILITY**

WSP's obligation is to Bovis Lend Lease UK stakeholders and readers of this statement. WSP is responsible exclusively for the contents of this statement and providing assurance over the scope of data and statements contained in the Carbon & Energy Management and Waste sections of the Bovis Lend Lease UK Sustainability Review 2008.

WSP has not been involved in the development of the Bovis Lend Lease sustainability strategy or preparation of any of the material included in the Bovis Lend Lease UK Sustainability Review for 2008.

### **ASSURANCE METHODOLOGY**

WSP undertook a review of the scope and final content of the Carbon & Energy Management and Waste sections of the Bovis Lend Lease UK Sustainability Review 2008 in accordance with the principles of the international AA1000 Assurance Standard (2003) which covers:

- **Materiality:** The Carbon & Energy Management and Waste sections reporting information includes detail that is material to Bovis Lend Lease UK stakeholders and is considered by senior management in strategic development.
- **Completeness:** The reporting information for the Carbon & Energy Management and Waste sections demonstrates comprehensive coverage of these issues facing Bovis Lend Lease UK and the continuous development of the systems and management in place.
- **Responsiveness to stakeholder concerns:** Engagement with stakeholders is clearly outlined in the report, with evidence of continuing development in this area.


Our assurance procedures included:

- Testing on a sample basis, representing 13% of all major projects;
- Validation processes on data collation methods;
- Validation of performance, including interviews with key personnel; and
- Validation of sustainability practices.

Bovis Lend Lease UK provided access to records and data required and WSP is confident that no material information has been withheld.

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Excluded from our work are sustainability statements made outside the Carbon & Energy Management and Waste sections, statements of commitment or intent and statements of opinion, belief or aspiration.

In addition to this statement, an internal management report was produced for Bovis Lend Lease UK. This provides further details on the outcomes of our assurance and the key findings are summarised in this statement.

## **SUMMARY OF KEY FINDINGS**

This report demonstrates continuing progress for Bovis Lend Lease UK in managing and reporting on its Energy & Carbon Management and Waste issues. Highlights for 2008 include:

- Our assurance noted that the data management and collection systems for energy use, carbon emissions and construction waste data have used BRE's SMARTWaste (Minimise) tool to aid accuracy for the last 6 months of the reporting period July 2008 to December 2008.
- The use of Minimise for waste has led to a number of improvements in the reporting of recycling rates from projects and to the overall waste diverted from landfill. Bovis Lend Lease UK has provided training to staff on the Minimise tool to improve the completeness and accuracy of reporting.
- We recognise a committed approach by Bovis Lend Lease UK to integrate Minimise to include energy and waste reporting by contractors and sub-contractors for which Bovis Lend Lease UK has control over.
- Bovis Lend Lease UK has recognised that over two-thirds of carbon emissions are associated with project activity. Additional work carried out during waste, energy and carbon reporting for 2008 has identified that behavioural change is required for more accurate data collection from project activities.

## **IMPROVEMENTS AND RECOMMENDATIONS**

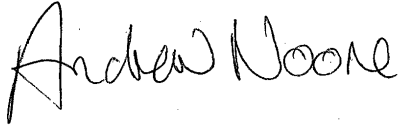
The following is a summary of the key areas for comment and improvement, highlighted within the scope of the assurance:

- The Minimise tool used by Bovis Lend Lease UK does not provide easy access to the conversion factors utilised for carbon or waste volumes in the tool. To aid transparency and to ensure accuracy in the use of conversion factors, more explicit presentation of these factors and sources is required within the tool.
  - Construction waste data reported for Bovis Lend Lease UK defence projects is reported in tonnage while all other projects report waste in volume. To aid accuracy the Minimise tool should be updated to allow the tool to convert waste units to minimise manual conversion calculation errors.
  - Energy metering is recommended as standard across Bovis Lend Lease UK project sites. Additional sub-metering on long term temporary infrastructure associated with projects to improve completeness on the reporting of energy usage and carbon emissions is also advised.
  - Data collection for car fleet carbon emissions impacts are based on estimated mileages for all staff. Only 20% of the car fleet has actual mileage associated with use of the vehicles measured and recorded. More accurate mileage readings for yearly use will improve car fleet carbon emissions reporting and provide a more complete set of data going forwards.
  - The use of 'percentage diverted from landfill' as a Key Performance Indicator (KPI) reflects the changing priorities of action on waste by Bovis Lend Lease UK from the implementation of Minimise. Bovis Lend Lease UK could consider improving this headline KPI by using the Minimise tool to report greater product specific e.g. timber, metal recycling rates from projects.
  - Energy use and carbon reporting from main UK offices uses a variety of meter readings, invoices and estimates to generate data. All main offices should be required to collect primary data from metering or invoices only.
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## OUR ASSURANCE OPINION

Based on our assurance our opinion is that the Bovis Lend Lease UK Carbon & Energy Management and Waste sections of the Bovis Lend Lease UK Sustainability Review provides a detailed and accurate representation of their activities for the period 1 January 2008 to 31 December 2008.



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August 2009



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WSP's global corporate services team supports clients in managing and improving their Corporate Responsibility performance including environmental, social and ethical issues. We work with clients across the industrial, commercial and public sectors, including leading FTSE 100 and Fortune 500 companies as well as innovative small-medium size enterprises. Our global team comprises industry practitioners, consultants and practical specialists working in WSP's offices across the world. Many staff are registered with the Institute of Environmental Management and Assessment (IEMA) as qualified auditors.

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