

# Central Berkshire Waste PFI Project EPC Contract



## MONTHLY PROGRESS REPORT

Report No. 6 – Progress to 31 May 2007

**Client:**



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**Attachments**

- Milestone application forecast

- Project programme

## SUMMARY

Overall progress has been maintained and concreting works to the building envelope is currently on programme and substantially complete up to Grid line 8, to enable Structural Steel to proceed, in early June as the target programme.

Floor slab works are progressing in the area of grid lines 4- 8

### 1 HEALTH SAFETY & ENVIRONMENTAL

There have been no reportable accidents in the period.

ACCIDENT and INCIDENT RECORD	In Period	To date
Reportable	0	0
Non reportable	0	0
Near Misses	15	43

Total Site Man Hours to date without a Lost Time Accident (LTA) = **28295**

Testing of the discharge point (upstream/downstream) has been implemented by the JV. All test results are positive as anticipated to date.

### 1 DESIGN

#### 2.1 Smallmead

This period has seen the continued development of the reinforced concrete works and structural steelwork design. Electrical and Mechanical works have also continued.

Overall progress is summarised below:

- Design of the site access works and entrance has been developed and is currently being reviewed prior to issue. Details will be submitted to the planning authority once complete.
- Design of the reinforced concrete works has continued with detailing of the transfer station floor slab complete. Detailing of the pushwalls to gridlines A & L has also now been completed through to gridline 13.
- Detailing of the reinforced concrete MRF pushwalls and floor slab between gridlines 13 and 16 is currently in progress.
- General arrangement drawings have now been produced showing the pit and pushwalls between gridlines 16-19. These are currently being reviewed and will be issued for information shortly.
- The application for the proposed potable water connection is currently being progressed with Thames water.
- Detail design of the main structural steelwork has continued and is now largely complete. A full set of outline drawings have been submitted to RE3 with detailed fabrication drawings being issued as they become available.

- Building elevations have now been updated to show louvre and fan positions and have been issued to RE3 for approval.
- A composite services drawing has been issued for approval and is currently being updated prior to being issued for construction.
- Details of the external doors have been confirmed and agreed with RE3.
- Detailed of the proposed gully waste area have been submitted to RE3 for approval.

### **MRF – Preliminary design**

Following the site visit to Germany, an electrical meeting was held of site to discuss to outline proposals for the SCADA operating system. Detailed design of the plant has continued with a date now agreed for delivery of the Trommel to site by 27 July 2007.

## **2.2 Longshot**

Revised planning drawings have been prepared and submitted. Further design work is on hold until planning permission has been granted.

## **3 CONSTRUCTION, PROCUREMENT - COMMISSIONING AND OPERATION**

### **3.1 Construction**

#### **Phase 1 – Main Site**

The existing CA is in the process of clearing their site to allow the JV to gain access up to grid line 19. It is anticipated that the site boundary fence can be moved from w/c 11<sup>th</sup> June 07.

The pile cutting is complete for the 1<sup>st</sup> Phase up to grid line 16.

All concrete thickeners, walls and pilasters complete with cast in bolt inserts will be fully complete by Wednesday 6<sup>th</sup> June 07.

SCWS are to commence with erection of the structural steel frame between grid lines 2 – 8 on 5<sup>th</sup> June 07.

Reinforcement has commenced along grid line A to the thickener bases/floor slab between grid line 8 – 13.

Membrane works are being progressed in sequence with Structural works on programme.

Surface water drainage has commenced to the perimeter of the building in phase 1.

The programme summary for the site element of the works is as follows:

	Percent complete	Days remaining
Site Clearance/ Vegetation Strip	100%	0
Drain pond	100 %	0
Remove pond silt/Compact fill	100 %	0
Bulk Earthworks	100 %	0
Form Piling Carpet	100%	0
Sheet Piling Works	100%	0
Attenuation Drainage Pipes	32%	40
Pre-cast Driven Piles	100 %	0
Pile cutting	100%	21(ph 1)
Methane Venting Protection	55%	18(ph 1)
GL 4 Insitu Concrete Works	95%	3
GL 8 Insitu Concrete works	92%	4

The penetration into the project Phase 1 buffer currently stands at 16 days.

### 3.2 Matters materially affecting the Works

Nothing to report in the period

### 3.3 Procurement

The following subcontractors have been appointed (works value below £250,000)

Sheet Piling - Stent  
 Fencing works- Bentley Fencing  
 Gas Membrane Works – Prestige Air  
 Pile Cropping Works - Conder Projects  
 Lightning Protection – Protectis  
 Mega doors – Crawford doors  
 Ventilation Roof Fans – Beatsons  
 Weighbridges – Central weighing

We are currently in the process of finalising the brickwork package which is on a labour and provisions basis and will be under the order value of 250K. Proposals for the MCC package ( Phase 1) are also under review.

The following subcontractors have been appointed and approved (works value over £250,000 )

Bulk Earthworks - Killoughery  
 Pre- cast Concrete Piling – Stent  
 Structural Steel – SCWS  
 Civil Concrete works- Brenco Ltd  
 Cladding – Weatherwise

The following enquiries have been sent out and in the process of being finalised:

Proposals for the Fire detection system are being reviewed, with a view of making the selection of the proposed subcontractor by early July. The financial details of the proposed subcontractor are then to be submitted to Re3 for approval.

Final proposals have been obtained from the REC supplier (Scottish and Southern) and an order for the works power supply (a provisional sum in the EPC Contract) raised so that the power supply can be made available by July 2007.

### 3.4 **Commissioning and Operation**

Nothing to report in the period

### 4 **COMMERCIAL**

All interim payments received.

### 5 **QUALITY ASSURANCE**

The Quality project plan is now fully operational and quality files have been generated for the Sheet piling/Pre- cast piling, Drainage, Concrete insitu works and Structural Steel.

These are working documents and will be updated in line with progress and are available in the site office for inspection by all parties.

On completion of the Cladding appointment and the issue of Structural Steel drawings for approval from SCWS, an internal workshop with all relevant parties including the door supplier will be carried out to review the design and build ability prior to submission to the Client for approval.

EarthTech/Clugston have visited SCWS to review their premises and quality procedures and the painting process to the main spine girders, a report will be issued to Re3 in due course.

### 6 **OUTSTANDING ISSUES AND ACTIONS**

Nothing to report

### 7 **KEY ACTIVITIES IN FORTHCOMING PERIOD**

Gas membrane protection works between the areas of grid lines 4-8 and up to grid line 16 on thickeners, continuing with works in externals and bulking bays, also replacement of cap in line with agreed method between the JV and CEMEX

Civil concrete works up the grid line 13 from grid line 8 including the partition concrete wall on 13 and commencement of the concrete floor slab in areas 4-8.

Structural steel frame between grid lines 2-8 /A to L.

Drainage, foul and surface water and ducting to commence in the external envelope to phase 1.

**8 THIRD PARTY / PUBLIC INTERFACES / COMMUNITY LIAISON**

Details of the final electricity power supply arrangements are being progressed with Scottish and Southern.

Consultation with Thames Water has commenced with regards to the connection of the foul pumping main from the works (phase 2), and the potable water connection (phase 1).

Consultation with Reading council has commenced regarding the bridge crossing the Flood relief channel, to finalise details for service installation of potable water, foul rising main and power supplies.

**Forecast Milestone Application dates**

Smallmead

Nr	Milestone	Date
7	<b>HWRC – GL8 Lower Slab</b> Completion of toe and wall slab to grid line 8	June 07
8	<b>Bulking Bays precast dividing wall</b> Installation of precast units to bulking bays	July 07
9	<b>HWRC Perimeter Wall</b> Completion of concrete pushwall	Aug 07
10	<b>WTS Grid Line 13 pushwall</b> Completion of concrete pushwall	Sep 07

**Key Milestones**

Longshot

Nr	Milestone	Date
3	Site Establishment	Apr 08



Summary Programme – as attached