



NWRWTP

North Wales Residual Waste Treatment Project

AGENDA ITEM NO: 6a

REPORT TO: NWRWTP JOINT COMMITTEE

DATE: 21st JUNE 2018

REPORT BY: CONTRACT MANAGER

SUBJECT: CONSTRUCTION PROGRESS REPORT

1. PURPOSE OF REPORT

- 1.1. To update the Joint Committee on progress on the construction of the Parc Adfer facility

2. BACKGROUND

- 2.1. Financial Close on the NWRWTP procurement was reached in mid-December 2016 and the contract formally awarded to Wheelabrator Technologies Inc (WTI).
- 2.2. WTI's Engineering Procurement and Construction (EPC) contractor is CNIM, whose Civil Engineering sub-contractor is Clugston. Both CNIM and Clugston are highly experienced contractors in the Energy from Waste (EfW) market. Furthermore, they have a well-established relationship, with Parc Adfer being their 10th EfW construction project together.
- 2.3. A Liaison Procedure for reporting progress of the construction against the timetable is set out in the Project Agreement (PA). To comply with the with PA's requirements a formal Monthly Construction Progress Report is submitted to the authority by WTI. Monthly meetings (Contract Management Board) are held with WTI and their contractors to formally report on progress, issues on site and any potential known risks to the programme.
- 2.4. The NWRWTP are represented on the Contract Management Board (CMB) and all output and discussions of the CMB is reported to the Technical Officers Group and the Project Board.
- 2.5. As well as the above, the authority's Contract Manager visits the site weekly, although flexibility remains to visit the site at other times should the need arise.

3. CONSIDERATIONS

Overview and key areas of progress

- 3.1. Below is a summary of progress of the construction of Parc Adfer.



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Overall progress

- 3.2. The current works are focused on the fire water tank and pump room, cladding of the bunker, turbine hall roof, switchgear rooms, flue gas treatment steel erection and electricity substation. The boiler pressure components continue to be welded and installation of the hydraulic lines have commenced. Building services continue to be installed on site.
- 3.3. The engineering activities have included the control room ergonomic study, addressing the insurer's queries on the fire strategy and site traffic management for the operational period.
- 3.4. The civil work programme is currently focusing on the waste bunker, grid connection & electrical rooms, turbine hall, administration building, bottom ash storage area and the dirty water pit. Excavation works for the foundations to the bottom ash storage area has commenced.
- 3.5. The first design meeting for the visitor centre is scheduled for later this month (June 2018).
- 3.6. Overall, progress on site has been good with no changes to the programme.

Health and Safety

- 3.7. The Health and Safety record on site remains extremely good. There have been no Health and Safety reportable (Riddor) incidents since the start of construction in over twelve months ago in January 2017, which means that as at the end of May 2018, the site is over 388,000 work hours without a Riddor reportable incident.
- 3.8. As noted in 3.7 above there have been no Health and Safety reportable incidents for this Reporting Period however two near miss incidents and one complaint have occurred. The near miss incidents involved smouldering packaging from welding activities and an electrical cable trailing a road occurred. The complaint related to a near miss between a cyclist utilising the public road and a vehicle entering the site. Remedial actions were undertaken within 48 hours which included informing all construction staff of the cyclist risk and repainting the road markings on the t junction outside the site. The Health and Safety Executive (HSE) was invited to site and no recommendations or improvements were advised.

Planning and Permit

- 3.9. The planning application for a number of non-material amendments reported to the Joint Committee in March 2018 has now been approved. It is expected that there will be further set of non-material amendments towards the end of the construction.
- 3.10. The permit variation submitted to Natural Resources Wales that was reported to the Joint Committee in March 2018 has now been approved. The variation covers:-



- Change of technology provider (from original permit of Baumgarte to CNIM);
- Modified flue gas treatment;
- Option for change to the emissions sampling point; and
- For information purposes only an explanation of how the IBA area will be used.

Risk to programme

3.11. WTI's assessment of the overall risk to the timetable remains low.

3.12. One area which has been highlighted as medium is Industrial Relations, specifically action by Unions (see agenda item 6b, separate report).

Reported key dates

3.13. WTI's reported Planned Service Commencement date is remains at 14th October 2019 and Planned Readiness Date remains at 21st May 2019. The Planned Readiness Date is a key date for the authorities as it is the date when the commissioning of Parc Adfer begins and waste from the authorities starts going to into the facility Other key dates are shown in table 2 below :-

Activity	Key Date	Achieved
Financial Close / Effective Date	15th December 2016	
Procurement of all long lead time items complete	27th March 2018	31 st July 2017
Commencement of Grid Connection Works by DNO	11th April 2018	4 th October 2017
Design works complete	7th August 2019	
Bunker excavation and concrete works complete	8th October 2018	
Site hand-over from Clugston to CNIM complete	28th June 2019	4 th December 2017
Long lead time items all on site	27th September 2018	
Long lead time items installed	31st December 2018	
Boiler pressure test	2nd August 2018	
Grid Connection G59 Test / Completion by SPEN	22nd August 2018	
Commencement of O&M Contractor staff training	18th March 2019	
Issue of Construction Completion Certificate	21st May 2019	
Issue of Readiness Test Certificate	21st May 2019	
Issue of Acceptance Test Certificate	14th October 2019	
Planned Service Commencement	14th October 2019	
EPC Contractor's Longstop Completion Date	14th October 2020	
Credit Agreement Longstop Date	15th January 2021	



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3.14. Overall, the construction progress is recorded at 61.45% complete, against an expected level of 59.67%.

4. RECOMMENDATIONS

The Project Board is asked to:-

4.1. Note the content of this report.

5. RESOURCE IMPLICATIONS

5.1. The financial implications of the contract have previously been through an approvals process within all partner authorities.

6. ANTI-POVERTY IMPACT

6.1. Not applicable.

7. ENVIRONMENTAL IMPACT

7.1. The environmental implications of the contract have previously been through an approvals process within all partner authorities.

8. EQUALITIES IMPACT

8.1. Not applicable.

9. PERSONNEL IMPLICATIONS

9.1. Not applicable.

10. CONSULTATION REQUIRED

10.1. As set out within the report.

11. CONSULTATION UNDERTAKEN

11.1. Not applicable.

LOCAL GOVERNMENT ACCESS TO INFORMATION ACT 1985

Background Documents:

None

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