

APPENDIX 1

Please note that approximations of days have been included but not dates as we have no official start date until contracts are signed off.

Wherever possible works will be scheduled for weekends with only quieter works being undertaken during the working week to allow for continuation of service.

PRELIMINARIES AND PROCUREMENT

- 2 Contract award
- 3 Initial project and planning review with client has taken place
- 4 Preliminary design review
- 5 Contract review meeting with client has taken place
- 6 Detail design development
- 7 Create P&IDs and produce BOM/item list
- 8 Order long lead time items
- 9 Delivery of major equipment
- 10 **SITE SETUP & REMOVAL OF EXISTING PLANT 52 days Fri - Sun over several weekends**
- 11 Take possession of site 0 days
- 12 Set up site compound and welfare facilities 3 days
- 13 Set all cremators to bypass
- 14 Decommission abatement systems and carry out electrical isolations 5 days
- 15 Drain Glycol circuits and empty carbon beds 2 days Sat/Sun
- 16 Remove carbon beds, ID fans, air blast coolers 2 days Sat / Sun
- 17 Partially dismantle steel mezzanine to facilitate bag filter removal 5 days Mon - Fri
- 18 Remove bag filters and compressor 2 days Sat /Sun
- 19 Remove first heat exchanger 1 day Fri
- 20 Remove second heat exchanger 1 day Sat
- 21 Remove third heat exchanger 1 day Sun
- 22 Decommission cremator 1 1 day
- 23 Rip out cremator 1 refractories 4 days Tue – Fri
- 24 Remove cremator 1 exhaust ductwork 2 days Sat / Sun
- 25 Remove cremator 1 carcass 3 days Fri - Sun
- 26 **PLANT INSTALLATION 106 days**
- 27 Refurbish floor in cremator 1 area 5 days Mon – Fri
- 28 Take down compressor brick enclosure 2 days Sat / Sun
- 29 Extend yard area 14 days
- 30 Modifications to steel mezzanines to accommodate new equipment 14 days
- 31 Modifications to yard area plinths to accommodate new equipment 5 days
- 33 Install new flue offtakes to cremators 3 days Fri -Sun
- 34 Install new heat exchangers on front aspect roof area 1 day Sat
- 35 Install cremator to heat exchanger connecting ducts 3 days Fri - Sun
- 36 Assemble new pump sets on internal steel mezzanine 5 days Mon - Fri
- 37 Install bag filters in yard area 2 days Sat / Sun
- 38 Install reagent dosing units 1 day Sun
- 39 Install new air blast coolers and induced draught fans 2 days Sat / Sun
- 40 Install compressors 1 day Sun
- 41 Install internconnecting ducting 14 days
- 42 Install heat dissipation pipework 10 days
- 43 Install compressed air delivery pipework 5 days
- 44 **ELECTRICAL INSTALLATION 63 days**
- 45 Install abatement control panels 2 days Sat /Sun

- 46 Install abatement electrical devices 2 days
- 47 Install 2-into-1 abatement system electrical wiring 14 days
- 48 Install first cremator control panel 1 day Sun
- 49 Electrical wiring to first cremator 7 days
- 50 Install single abatement system electrical wiring 14 days
- 51 Install second cremator control panel 1 day Sat
- 52 Electrical wiring to second cremator 7 days
- 53 Install third cremator control panel 1 day Sat
- 54 Electrical wiring to third cremator 6 days
- 55 **TESTING & COMMISSIONING 68 days**
- 56 Pre-commission first cremator 2 days
- 57 Commission first cremator 3 days
- 58 First cremator operational (unabated) 0 days
- 59 Pre-commission second cremator 2 days
- 60 Commission second cremator 4 days 61 Second cremator operational (unabated) 0 days
- 62 Pre-commission 2-into-1 abatement system 4 days
- 63 Commission 2-into-1 abatement system 8 days
- 64 First two cremators operational (abated) 0 days
- 65 Pre-commission third cremator 3 days
- 66 Commission third cremator 4 days
- 67 Third cremator operational (unabated) 0
- 68 Pre-commission single abatement system 3 days
- 69 Commission single abatement system 5 days
- 70 Practical completion - all three cremators running abated 0 days
- 71 Full operator training 10 days
- 72 **COMPLETION AND SITE HANDOVER 53 days**
- 73 O&M manuals issued, on site H&S file and CDM file updated 25 days
- 74 Clear site and deep clean 2 days Sat / Sun
- 75 Independent emissions testing 5 days

- 76 Final handover meeting 0 days