

1.0 Schedule – Plan and Basis

1.1 Introduction

This document provides notes regarding the “Level 1 Schedule” for the LG&E/KU, Ghent Units 1 through 4 Air Quality Control Study Project. The Level 1 schedule illustrates the times required to obtain permits; to prepare the EPC (engineer, procure and construct) contract; and for the EPC contractor to engineer, procure, and construct the equipment for each unit. The scope included for each unit is as follows:

- Unit 1 – New PJFF, new booster fans, PAC injection, and neural network.
- Unit 2 – New SCR, new PJFF, new booster fans, PAC injection, sorbent injection, and neural network.
- Unit 3 – New PJFF, new ID fans, PAC injection, and neural network.
- Unit 4 – New PJFF, new ID fans, PAC injection, and neural network.

1.2 In Service Date

The schedule is based on the assumption that new regulations would require the environmental equipment for all four units to be in service by the end of 2017. However, to the extent that the schedules for the regulatory requirements change, the schedule for placing the AQC equipment in service would change accordingly.

1.3 Schedule Assumptions & Comments

- The schedule has been based on the Ghent Air Quality Control Project being performed under a lump sum EPC (engineering, procurement, construction) method.
- The project schedule has been developed based on Black & Veatch’s historical schedule data and adjusted for known site and market conditions.
- Due to some limited space in the new construction areas, each unit will need to be constructed in a particular sequence.
 - Unit 2 will need to be constructed first. The east side SCR will need to be completed before Unit 1 construction can begin. The west side SCR will need to be completed before Unit 3 can begin.
 - Unit 4 is not dependent on any other unit, but should be sequenced at a time to keep a level craft demand.

- The schedule reflects unit outage period dates provided by LG&E/KU. Two unit outage periods were added to support the construction sequence previously described. A one month Unit 3 outage period was added in the fall of 2016 for the new ductwork tie-in. A two week Unit 2 outage was added for the tie-in of the temporary bypass duct.
- It is assumed that no major asbestos or lead paint remediation will be required.

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