

SUMMARY OF CHANGES

Answers to questions are in RED

76. Section 01 00 00 1.3A 8 Condensate Tank Modifications: Nema 12 control panel is specified. New Hays Cleveland Master Control panel will have all feed water controls integral to include control system features. Part of spec calls for remote monitoring and control of Condensate tank from any touchscreen (i.e. boilers). This contradicts 23 09 11 page 8, letter h. All boiler touchscreens limit display to dedicated local device parameters. **Correct, boiler touch screens are limited to boilers only. Condensate, DA and feedwater controls can be integrated.**

77. Section 23 09 11 2.1 / page 12 J.1.G Scope Is requiring the installation of a new main steam flow meter. Can the existing orifice plate be used with a new transmitter to meet this requirement? **The orifice plate size is determined by system capacity and requirement of the transmitter to be installed.**

78. Are air conditioners required for the three panels. **There are four boiler panels, and a main control panel.**

79. Is a third party testing contractor required to perform the safety device testing and if so, what qualifications are required? **Yes. As defined in VA Directive 1810**

80. Is Honeywell Slate acceptable for the boiler plant SCADA system so long as the SCADA system is separate from the dedicated burner management system (in accordance with VA specifications 235239 and 230911)? **Yes, Honeywell Slate is acceptable.**

81. Section 00 01 15 page 4 1.3 A1 – Refers to full metering combustion control system for boiler 1 (page 6 boiler 2, page 7 boiler 3 and page 9 boiler 4). Section 23-09-11 page 5 3.b refers to parallel positioning combustion control system. Which is the system to be fully metered or parallel positioning? **Parallel positioning with external position indicators.**

82. What is exactly to be done other than boiler, feed water, deaerator and condensate systems which are the only items defined. Are there more systems to be moved into the new plant panels? **No.**

83. Is the main control panel to be demo'ed? **The main control panel will not be demo'ed, only portions of the existing controls will be demo'ed and space re-utilized for installation of new controls.**

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84. Related to the VFD on the burner forced draft fans section 23-09-11 page 10 2.1.F.2, provide feedback and motor speed and direction of rotation to the burner management system. This requires a motor encoder to acquire this data for safety control. Are the existing burner motors encoder-duty or do they have to be replaced or are the current relays that are required to meet the VHA 4th edition all that is required. VHA 5.6.1 F.D. Fan interlocks. **The contractor should investigate and make an informed determination based on existing motors as to motor capabilities and VA safety device testing requirements.**

85. Section 01 00 00, Page 5, 6, 7 and 9, Subsections a, paragraph 4, states reusing the existing cabinets and building off site sub panel for each cabinet. For the purpose of aesthetics uniformity, and expediency, would a proposal for new cabinets in lieu of reusing existing cabinets be entertained on the conditions the locations of the new cabinets are clear of all obstructions, maintenance procedures, pathways and aisleways. The new cabinets would be fitted with factory air conditioning and factory lights. **This could be entertained, however from a cost standpoint, it is the VA's intention to use existing.**

86. Section 01-00-00 what is the existing SCADA system? What protocol can be used for communication? **The existing SCADA system is local and used for monitoring of all four boilers or monitoring of individual boilers. Unsure of protocol to be used.**

END SUMMARY OF CHANGES