

Project Status Report: CEEEn-2016CPST- : 006 - Pressure Zone Analysis (JUB Engineers)

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Date: 1/28/2017

<p>1) Summary of technical/non-technical challenges encountered</p> <ul style="list-style-type: none">a) After talking to our sponsor, we found a control error in initial .inp file that made our models no longer validb) Hard to determine direct pressure impact of water on pressure nodes around the tanks and reservoirsc) Communication between group members and recording of hours	<p>2) Team approaches/resolutions to overcome challenges</p> <ul style="list-style-type: none">a) Test variety of entry and exit points around the tank and reservoir pressure nodesb) Apply “If then” statements to test variety of nodes and connectionsc) Contact by members if unable to meet is required, and all hours need to be recorded after every meetingd) Continual contact with sponsor for further details or changes if needed
<p>3) Status of challenge resolutions & potential project impacts</p> <ul style="list-style-type: none">a) Revised past models to match appropriate control for future .inp files and modelsb) Improved communication through phone calls and text beyond emails and complete recording of hours for all members such that it is completed at end of every meetingc) The intended time to complete models for project has been pushed back to make time for necessary model changes	<p>4) Project Status & Summary</p> <ul style="list-style-type: none">a) One primary model (tank expansion) has been completed to run with all required specificationsb) Pasts model controls have been updated to meet sponsor specificationsc) The other models are being testedd) Creation of contours maps depicting optimal elevation locations for tank