

February 2, 2015

SOUTH SANGAMON WATER COMMISSION SUMMARY OF WATER SUPPLY AND TREATMENT START-UP / COMMISSIONING AND TESTING DOCUMENTATION

The South Sangamon Water Commission has compiled copies of testing reports for process equipment vendors, IEPA Operating Permits and correspondence, and journal entries from its onsite Construction Manager, Ron Vancil. The documentation includes:

- 1 Brooks and Associates data
 - a. ***Pt 1 Startup rpts and submittal data Chem feed.pdf*** – this is a 125 page document chronicling the startup testing procedures and results and submittal record for the Pulsafeeder chemical feeders.
 - b. ***Pt 2 Installation Operation Maintenance Chem feed.pdf*** – this is a 135 page document illustration the proper Installation, Maintenance and Operation of the MC Solenoid Pumps; MPC Controller, and Shadow Pumps and Hypo head by Pulsafeeder.

- 2 IEPA data
 - a. ***2011-11-30 Pisula to Del+Ron RE – GUI issue.pdf*** – this 3 page document is a copy of an email documenting the Water Supply and Treatment consultant representative Joe Pisula from Donahue and Associates' design process and documentation of the background and history for the basis of design of the supply and treatment systems.
 - b. ***2011-12-30 GUI Ltr from Jerry Kuhn.pdf*** – this 1 page document is a copy of a letter from Jerry Kuhn, PE, then Manager of Permit Section for IEPA. The letter grants the request of the Water Commission to reclassify the well water supply as not under the direct influence of surface water.
 - c. ***2012-12-12 Operating Permit 0420-FY2013 for wells.pdf*** – this 1 page document is a copy of a letter from David Cook, PE, Acting Manager of the Permit Section for IEPA. The letter documents receipt of as-built plans for the well field and grants an Operating Permit for the 10 new wells.
 - d. ***2013-02 19 Operating Permit 0185-FY2013 for High Service Pumps.pdf*** – this 1 page document is a copy of a letter from David Cook, PE, Acting Manager for the Permit Section for IEPA. The letter documents receipt of plans from Donahue and Associates for the installation of the five high service pumps at the Water Treatment Plant and grants an operating permit for same.
 - e. ***Illinois NPDES Permit #L0079251.pdf*** – this 11 page document is a copy of a permit outlining the approval of and conditions for discharge from the Water Treatment Plant backwash lagoons. The permit was issued by Alan Keller, PE, Manager Permit Section IEPA Water Pollution Control Division.
 - f. ***Springfield Metro Sanitary District Wastewater Discharge Permit #10-NC-012.pdf*** – this 9 page document is a copy of a permit issued by Greg Humphrey, Executive Director Springfield Metro Sanitary District authorizing the hauling and disposal of industrial wastewater to the SMD collection system located at Jaycee Park in Chatham, IL.
 - g. ***Oper. Permit 0658.pdf*** – this 39 page document is a copy of the permit issued by David Cook, PE Acting Manager Permit Section IEPA authorizing the final approval and operational status for the South Sangamon Water Treatment Plant. The document includes supporting correspondence and testing results.

- h. ***EPA Oper. Permit C 2010-0785 0.pdf*** – this 30 page document includes the Operating Permit issued by David Cook, PE Acting Manager Permit Section IEPA to operate Contract “B” Raw Water Main and Lagoon Effluent Force Main. The document includes testing data and relevant correspondence.
 - i. ***Dist. Mains EPA Permts.pdf*** – This 22 page document includes the Operating Permit issued by David Cook, PE Acting Manager Permit Section IEPA to operate Contract “D” Water Transmission. The document includes testing data and relevant correspondence.
 - j. ***EPA OP Pmt #0201.pdf*** – This 96 page document includes the Operating Permit issued by David Cook, PE Acting Manager Permit Section IEPA to operate Contract “A” and Well Fields. The document includes testing data and relevant correspondence.
 - k. ***Permit for Ora-cle.pdf*** – This 27 page document includes the Operating Permit issued by David Cook, PE Acting Manager Permit Section IEPA to operate the Chemical Addition of ORA-CLE. The document includes testing data and relevant correspondence.
 - l. ***Permit for Raw Waterline Modifications.pdf*** – This 6 page document includes the Operating Permit issued by David Cook, PE Acting Manager Permit Section IEPA to operate the Raw Waterline Modifications. The document includes testing data and relevant correspondence.
 - m. ***Permit for WSU-110.pdf*** – This 71 page document includes the Operating Permit issued by David Cook, PE Acting Manager Permit Section IEPA to operate the Chemical Addition of Blended Liquid Phosphates in the forms of WSU-110, 118, 137, 158, 178. The document includes testing data and relevant correspondence.
 - n. ***Application of Operating Permit.pdf*** – This 18 page document includes the Operating Permit issued by David Cook, PE Acting Manager Permit Section IEPA to operate the Clearwell Piping Modifications. The document includes testing data and relevant correspondence.
- 3 Membranes – WesTech data
- a. ***Commissioning Checklist SIGNED.pdf*** – this 2 page document is the field testing report form completed on February 24, 2012 documenting the compliance of the WesTech filtration equipment to factory standards.
 - b. ***WesTech O and M page 8.jpg*** – this 1 page document is a scan of page 8 from the WesTech O&M manual identifying design parameters and water quality limits to ensure successful operation of the filtration equipment.
 - c. ***WesTech O and M.jpg*** – this 1 page document outlines the Raw Water Quality limits, Normal Operating Conditions, Operation Limits and Approved Chemicals for the WesTech membrane filtration system.
- 4 Ron Vancil data
- a. ***DOC012315-01232015143321.pdf*** – this 20 page document is a copy of Ron Vancil’s construction journal from the dates of November 30, 2011 to February 23, 2012 and includes notes on Contractor activities and testing results for various components.
 - b. ***DOC012315-01232015143530.pdf*** - this 23 page document is a copy of Ron Vancil’s construction journal from the dates of February 24, 2012 to May 3, 2012 and includes notes on Contractor activities and testing results for various components.

- c. ***DOC012315-01232015143728.pdf*** - this 20 page document is a copy of Ron Vancil's construction journal from the dates of May 4, 2012 to August 30, 2012 and includes notes on Contractor activities and testing results for various components.
- d. ***Scan of Contract C Plocher Cert of Sub Compl.pdf*** – this 6 page document is the Certificate of Substantial Completion from Donahue and Associates for the Water Treatment Plant – General Contractor Plocher Construction Company, Inc. It includes a list of punchlist items dated May 1, 2012.
- e. ***Scan of Contract E-1+3 Tonka Cert of Sub Compl.pdf*** – this 3 page document is the Certificate of Substantial Completion from Donahue and Associates for the Water Treatment Plant – Tonka Equipment Co. for the Induced Draft Aerator and the Ion Exchange Softener System. It includes a list of punchlist items dated April 16, 2012.
- f. ***Scan of Contract E-2 Gen'l Pump – Cert of Sub Compl.pdf*** – this 3 page document is the Certificate of Substantial Completion from Donahue and Associates for the Water Treatment Plant – General Pump & Machinery for the high and low service pumps. It is dated June 21, 2012.
- g. ***Scan of Contract E-4 Design Tanks Cert of Sub Compl.pdf*** – this 2 page document is the Certificate of Substantial Completion from Donahue and Associates for the Water Treatment Plant – Design Tanks, LLC & Machinery for the brine storage tanks. It is dated April 16, 2012.
- h. ***Scan of Contract E-5 Peoria Metro Cert of Sub Compl.pdf*** – this 2 page document is the Certificate of Substantial Completion from Donahue and Associates for the Water Treatment Plant – Peoria Metro Construction, Inc. for the Bolted Steel Tanks. It includes a list of punchlist items dated April 3, 2012.
- i. ***Scan of Contract E-6 Cummins Cert of Sub Compl.pdf*** - this 2 page document is the Certificate of Substantial Completion from Donahue and Associates for the Water Treatment Plant – Cummins Crosspoint, LLC for the standby generator. It is dated March 1, 2012.