

# Certificate of Substantial Completion

Project: <b>New Water System</b>	Owner: <b>South Sangamon Water Commission</b>	Owner's Contract No.: <b>N/A</b>
Contract: <b>Contract "C" – Water Treatment Facilities</b>	Date of Contract: <b>April 30, 2010</b>	
Contractor: <b>Plocher Construction Company, Inc.</b>	Engineer's Project No.: <b>11845</b>	

This definitive Certificate of Substantial Completion applies to:

All Work under the Contract Documents:  The following specified portions:

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**May 1, 2012**

Date of Substantial Completion

The Work to which this Certificate applies has been inspected by authorized representatives of Owner, Contractor and Engineer, and found to be substantially complete. The Date of Substantial Completion of the Project or portion thereof designated above is hereby declared and is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below.

A definitive list of items to be completed or corrected, is attached hereto. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

The responsibilities between OWNER and CONTRACTOR for security, operation, safety, maintenance, heat, utilities, insurance and warranties shall be as provided in the Contract Documents except as amended as follows:

Amended Responsibilities  Not Amended

Owner's Amended Responsibilities:

Maintain heat, power and other utilities for the improvements

Contractor's Amended Responsibilities:

The following documents are attached to and made part of this Certificate:

**Attachment "A" – Punchlist**

This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract Documents.

Executed by Engineer: **DONOHUE & ASSOCIATES, INC.**

Date

Accepted by Contractor: **PLOCHER CONSTRUCTION COMPANY, INC.**

Date

Accepted by Owner: **SOUTH SANGAMON WATER COMMISSION**

Date

**ATTACHMENT "A"  
TO CERTIFICATE OF SUBSTANTIAL COMPLETION**

Client:	South Sangamon Water Commission			
Project Name:	Contract "C" - Water Treatment Facilities			
Project No.:	11845			
Contractor:	Plocher Construction, Inc.			
<b>Updated:</b>	<b>27-Apr-12</b>			
<b>PUNCHLIST</b>				
Sequential No.	Item No.	Item Description	Date notified	Date completed
<b>002 Site Work</b>				
4	002-1	Deliver roll of HDPE to plant (lagoon liner material)	04/03/12	04/03/12
2	002-2	Remove paper, cardboard & debris between fences and from lagoons	04/03/12	
3	002-3	Pick up inlet band iron and debris from Detention Pond	04/03/12	04/02/12
4	002-4	Pick up construction debris from field to the north of site & along east fence & hedge row.	04/03/12	04/27/12
5	002-5	Locate tracer wires north of cleanwell and lagoon effluent pump station	04/03/12	
6	002-6	Grade around lagoon effluent pump station and pick up debris.	04/03/12	04/02/12
7	002-7	Adjust west chain link gate to open	04/03/12	
8	002-8	Grout or fill failed backfill around both lagoon influent pipes.	04/03/12	
9	002-9	Grade down hump in rock that is south of electrical room pad and fill in to the north (Coordinate with Ron Vaneil)	04/03/12	04/23/12
10	002-10	Complete final grading and seeding of entire site - including hump in rock south of electrical room pad and fill into the north.	04/03/12	04/02/12
11	002-11	Complete the installation of the Water Salesman unit	04/03/12	04/05/12
<b>100 Main Building Items</b>				
12	100-1	Chip or grind down humps on top of hollow core units. Broom clean (Coordinate with Ron as to locations)	04/03/12	04/27/12
13	100-2	Grout fill major east west crack in floor be west overhead door.	04/03/12	04/06/12
14	100-3	Grind spot in west overhead door towards south and seal.	04/03/12	04/06/12
15	100-4	Epoxy inject/fix leaks in both deep pits in main room.	04/03/12	
16	100-5	Reinforce east aluminum grating to remove center sag.	04/03/12	
17	100-6	Repair several major joint and floor spalls (Coordinate with Ron as to locations)	04/03/12	04/06/12
18	100-7	Saw cut drain channel north of main entrance, to floor drain.	04/03/12	04/27/12
19	100-8	Cut out and grout bed joint in main hall to prevent water from entering the Lab. Room.	04/03/12	04/09/12
20	100-9	Clean out and accurately grind behind wall conduits and pipes (Coordinate with Ron as to locations)	04/03/12	04/10/12
21	100-10	Clean out mortar and concrete from pipes and conduits (Coordinate with Ron as to locations)	04/03/12	04/10/12
22	100-11	Clean paint spatters from equipment & remove paint from door hardware and window frames.	04/03/12	04/16/12
23	100-12	Repaint wall bottom to match rest of wall - repaint mismatched paint (numerous locations - coordinate with Ron)	04/03/12	04/16/12
23	100-13	Complete pipe labeling/stenciling as per Section 15-190	04/03/12	04/27/12
24	100-14	Specs require 5 sets of keys. Three provided so far. Provide two more sets. See page 08700-3 of Project Manual	04/03/12	

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Sequential No.	Item No.	Item Description	Date notified	Date completed
25	100-15	Provide two spare Safe-T tips for corporation stops - See page 11241-3 of Project Manual.	04/03/12	
26	100-16	Provide operator training for Temperature Controls. See page 15905-9 of Project Manual.	04/03/12	
27	100-17	Provide operator training for Air Handling Units. See page 15785-8 of Project Manual.	04/03/12	
28	100-18	Provide spare belts, filters, etc. for the Air Handling Units. See page 15785-8 of Project Manual.	04/03/12	
29	100-19	Provide three spare electrical fuse refill elements. See page 16343-3 of the Project Manual.	04/03/12	
30	100-20	Provide extra light bulbs for all types of interior lights. See page 16511-2 of the Project Manual.	04/03/12	
31	100-21	Provide extra light bulbs for all types of exterior lights. See page 16521-2 of the Project Manual.	04/03/12	
32	100-22	Fix leak in skylight - 2nd unit from the northeast corner	04/03/12	
33	100-23	Disassemble all gutters and apply lap sealant to all joints.	04/03/12	
34	100-24	Patch and caulk trim in southeast corner at a light penetration (Coordinate with Ron Vancil on exact location.)	04/03/12	
35	100-25	Properly flash and fill window and door heads for appearance and weather tightness.	04/03/12	
36	100-26	Repair sagging & loose roof insulation on both east and west ends, secure and seal tape vapor retarder.	04/03/12	
37	100-27	Seal vapor retarder at both east and west rake angles	04/03/12	
38	100-29	Provide the 10-year warranty for the insulating glass. See page 08800-1 of the Project Manual.	04/03/12	
39	100-30	Provide the 5-year warranty for the chemical scales. See page 11242-2 of the Project Manual.	04/03/12	
40	100-31	Provide TVSS field test report as per Article 3.01-B-3-d on page 16285-4 of the Project Manual.	04/03/12	
41	100-32	Provide a copy of the 15-year warranty for the TVSS unit as per Article 3.02 on page 16285-4 of the Project Manual.	04/03/12	
42	100-33	Provide a copy of the Insulation Resistance Tests, DC Hypotential tests & Shield Continuity Tests as per Spec. Section 01668.	04/03/12	
43	100-34	Provide O&M/instruction manual for dehumidifiers	04/03/12	
44	100-35	Route 1 4/2" vent lines from top of softeners to floor drains, as directed by Owner. See sheet 62 of plans.	04/03/12	04/10/12
45	100-36	Touch up blue paint on high service pumps' piping and in various locations within the plant. Coordinate with Ron/Dan/Tim	04/03/12	04/16/12
46	100-37	Provide add'l thrust restraint on UF backwash piping that is shaking during operation. Req'd by shop drwg #147, August 2011)	04/03/12	04/23/12
47	100-38	On certain interior valves/fittings, paint plated bolts as directed by Ron/Dan/Tim. (Bolts should not remain unpainted.)	04/03/12	
48	100-39	Label the monorails' capacities on the beams	04/03/12	
49	100-40	See tape on floor in Operations Room for repair locations (Ref. Item 100-2)	04/03/12	04/06/12
50	100-41	Clean up conduit at floor level, remove tape, etc. and put duct seal at open conduits.	04/03/12	04/09/12
51	100-42	Where pipes are half in and out of wall, clean out mortar and neat grout (See Ren for locations)	04/03/12	04/06/12
52	100-43	Fill in around tie rod at southwest corner masonry wall.	04/03/12	04/06/12
53	100-44	Complete pipe insulation (Coordinate with Ren as to exact locations)	04/03/12	04/06/12
54	100-45	Complete air conditioning systems (Coordinate with Ren)	04/03/12	04/15/12
55	100-46	Rest Room: Final clean	04/03/12	
56	100-47	Lecker Room: Clean up conduits	04/03/12	04/09/12
57	100-48	Utility Closet: complete pipe insulation	04/03/12	04/09/12

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Sequential No.	Item No.	Item Description	Date notified	Date completed
58	400-49	Utility-Closet: Final clean pipe insulation	04/03/12	04/16/12
59	400-50	Utility-Closet: Patch paint	04/03/12	04/16/12
60	400-51	Hydrofluosilicic Acid Room: Clean out pit, final sweep and mop floor	04/03/12	04/06/12
61	400-52	Hydrofluosilicic Acid Room: Shim double door hinges to close gap at astragal, adjust hardware.	04/03/12	04/06/12
62	400-53	Hydrofluosilicic Acid Room: Neatly coil the scale's wire - extend as necessary.	04/03/12	04/25/12
63	100-54	Hydrofluosilicic Acid Room: Correct leak in citric acid system (Wes Tech item?)	04/03/12	
64	400-55	Sodium Hypochlorite Room: Clean out pit, final sweep and mop floor	04/03/12	04/06/12
65	400-56	Sodium Hypochlorite Room: Shim double door hinges to close gap at astragal, adjust hardware.	04/03/12	04/06/12
66	400-57	Sodium Hypochlorite Room: Neatly coil the scale's wire - extend as necessary.	04/03/12	04/25/12
67	400-58	Sodium Hypochlorite Room: Epoxy patch the "blow out" at conduit clip at pit edge.	04/03/12	04/09/12
68	400-59	Polysphosphate Room: Clean out pit, final sweep and mop floor	04/03/12	04/06/12
69	100-60	Polysphosphate Room: Shim double door hinges to close gap at astragal, adjust hardware.	04/03/12	
70	100-61	Polysphosphate Room: Neatly coil the scale's wire - extend as necessary.	04/03/12	
71	100-62	Polyphosphate Room: Connect drum to to day tank	04/03/12	
72	400-63	Aqua Ammonia Room: Clean out pit, final sweep and mop floor	04/03/12	04/06/12
73	100-64	Aqua Ammonia Room: Shim double door hinges to close gap at astragal, adjust hardware.	04/03/12	
74	100-65	Aqua Ammonia Room: Neatly coil the scale's wire - extend as necessary.	04/03/12	
75	100-66	Storage Room: Final sweep and mop floor	04/03/12	
76	100-67	Storage Room: Shim double door hinges to close gap at astragal, adjust hardware.	04/03/12	
77	400-68	Storage Room: Clean mortar & debris out from between conduits and between conduit at floor. Clean off conduits.	04/03/12	04/16/12
78	100-69	Electrical Room: Final sweep and mop floor	04/03/12	
79	100-70	Electrical Room: Fill block out at column in southeast corner at equipment pad, put EJT around steel.	04/03/12	
80	100-71	Electrical Room: Clean up spalls and concrete drips at equipment pad edges.	04/03/12	
81	100-72	Electrical Room: Caulk and patch paint at electrical receptacles on east and west walls.	04/03/12	
82	400-73	Office: Put duct seal in open conduits	04/03/12	04/25/12
83	400-74	Office: Clean up outside of conduits	04/03/12	04/06/12
84	400-75	Office: Caulk and patch paint east receptacle.	04/03/12	04/09/12
85	400-76	Office: Remove paint from west window head.	04/03/12	04/16/12
86	100-77	CIP Room: Clean out pit, final sweep and mop floor	04/03/12	
87	400-78	CIP Room: Shim double door hinges to close gap at astragal, adjust hardware.	04/03/12	04/06/12
88	100-79	CIP Room: Neatly coil the scale's wire - extend as necessary.	04/03/12	

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Sequential No.	Item No.	Item Description	Date notified	Date completed
89	400-80	CIP Room: Close junction box on west wall.	04/03/12	04/12/12
90	400-81	Near High Service Pumps: Provide elect. outlet for 100-DHU 4. Req'd on sheet 101 of the plans, as modified by Change Order #4.	04/10/12	04/12/12
91	400-82	Main Room: Emergency light on west wall has loose light on top of it. Tighten it.	04/10/12	04/12/12
92	100-83	Main Room: Conduit boxes on CIP skid need watertight fittings to keep water out.	04/10/12	
93	400-84	Sodium hypo. Room: Demonstrate that hypo pump #2 functions as intended.	04/10/12	04/12/12
	400-85	Main Room: Provide thrust restraint on brine waste lines, to keep them from shaking during valve actuations.	04/25/12	04/26/12
	400-86	Main Room: Provide supports on UF Backwash effluent line at pit.	04/25/12	04/26/12
	400-87	Provide vent lines from the day tanks in all applicable chem rooms - as per the documents.	04/25/12	04/26/12
	400-88	Provide vent line from the tote and day tanks in the polyphosphate room - as per the documents.	04/25/12	04/27/12
	400-89	Tighten all bolts on suction & discharge of High Service Pump #2 (air is leaking on the pressure side at flex-to-pump connection.)	04/25/12	04/26/12
	100-90	Main Entrance: Door Leak - caulk & seal as required.	04/16/12	
		<b>110 - Aerator and Detention Tank Items</b>		
	440-1	Remove insulation at corporation stops on both vertical risers.	04/03/12	04/16/12
	110-2	Compact backfill behind junction box to plumb up.	04/03/12	
	440-3	Replace all bolts & nuts on the Aerator Door on the west side of unit and place washers at the access panels.	04/03/12	03/29/12
	440-4	Install chain operators on inaccessible valves.	04/03/12	04/05/12
		<b>130 - High Chloride Pump Station</b>		
	130-1	Provide the start-up report for the Fyroc high chloride pumps	04/03/12	
	130-2	Complete conduit, wire and actuators for the waste holding manhole south of High Chloride P.S.	04/03/12	
	130-3	Provide handle for butterfly valve on pumps common suction line.	04/03/12	
	130-4	Final clean	04/03/12	
	130-5	Provide keys for hatch on High Chloride "Pump Out" vault	04/03/12	
		<b>150 - Brine Tanks</b>		
	150-1	Remove existing 5/8-inch anchor bolts and replace with the specified 3/4" bolts, then shim and grout	04/03/12	
	150-2	Strip forms at bottom drain and clean up concrete spatters	04/03/12	03/29/12
	150-3	Replace dust sock	04/03/12	
	150-4	Seal insulation joint at top	04/03/12	
	150-5	Demonstrate that brine tank #2 is functional (SSWC must fill with salt), then correct any deficiencies found. (Not applicable)	04/10/12	04/27/12

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Sequential No.	Item No.	Item Description	Date notified	Date completed
		<b>205 and 210 - Lagoon Influent and Effluent Pumps</b>		
108	205-1	Provide Municipal Equipment Company's start-up report for the lagoon influent pumps	04/03/12	
109	210-1	Provide Municipal Equipment Company's start-up report for the lagoon effluent pumps	04/03/12	
110	210-2	Provide Owner with keys for wetwell and valve vault hatches, as applicable.	04/03/12	
111	210-3	Lagoon Effluent Structures: Provide solid concrete block steps for ease of access	04/03/12	
		<b>999 - Administrative Items</b>		
112	999-1	Provide red-lined prints from Job Foreman's trailer ... so that "As Builts" can be compiled.	04/03/12	
113	999-2	Provide final lien waivers from all subcontractors and suppliers.	04/03/12	
114	999-3	Obtain OSFM permit for diesel fuel tank on generator. See page 01110-5 of the Project Manual.	04/03/12	
115	999-4	Provide all electrical test results. See field tests specified on page 16231-2 for the genset	04/03/12	
116	999-5	Provide engraved laminated nameplates on equipment (w/ Donohue tag numbers). See Article 2.07 on page 15190-4 of spec.	04/03/12	
117	999-6	Provide weekly SWPPP reports. IEPA requires that Owner keep these reports for 3 years after construction is complete.	04/03/12	