

BOARD OF PUBLIC WORKS AND SAFETY
Agenda Request Form

(Form B-01-2012)

Organizations and individuals are asked to submit a request form and supporting documents to be placed on the agenda. You will be contacted by the City confirming the date of the meeting in which your request will be heard.

Please make sure that your contact information is accurate in case we need to get in touch with you. The Board of Works meets on the 1st and 3rd Monday of each month at 5:15 p.m. in City Hall located at 70 E. Monroe Street.

Date Submitted:	7/26/2012	Requested Meeting Date:	8/6/2012
		Confirmed Meeting Date:	8/6/2012
Received by: Sandy Lipsius			
Contact Information: Please provide all requested information in the fields below. (Print or Type)			
On Behalf of Organization or Individual:		Department of Public Works	
Name:	Rick Littleton	Telephone:	(888) 736-3640
Title or Position:	DPW Superintendent		
E-Mail:	rlittleton@franklin.in.gov		
Address:	796 S. State Street		
City:	Franklin	State:	Indiana
ZIP:	46131		
Who will attend the meeting and present the request?			
Name:	Albert Stong	Telephone:	(888) 736-3640
Title or Position:	Project Engineer		
E-Mail:	astong@contactcei.com		
Please describe the purpose or title of your presentation.			
Request approval of Contract Change Order No.1 for Reynolds Inc.			
Supporting documents: All supporting documents should be submitted with the request form.			
1. Change Order No. 1			
2.			
3.			
4.			

Questions about this application or the process described should be directed to the Clerk Treasurer's Office at 70 E. Monroe Street, Franklin Indiana 46131 or by email at jalexander@franklin.in.gov or call 317-736-3609.

Change Order

No. 1

Date of Issuance: _____ Effective Date: _____

Project: Wastewater Treatment Plant Modifications Project	Owner: City of Franklin	Owner's Contract No.:
Contract: Wastewater Treatment Plant Modifications Project		Date of Contract: 3/2/11
Contractor: Reynolds, Inc.		Engineer's Project No.: S10031

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Added Work Items

Attachments (list documents supporting change):

Value added work items – clearly defined in the attached materials.

CHANGE IN CONTRACT PRICE:

Original Contract Price:

\$ 2,020,000.00

~~Increase~~ ~~Decrease~~ from previously approved
Change Orders No. ___ to No. ___:

\$ 0

Contract Price prior to this Change Order:

\$ 2,020,000.00

Increase ~~Decrease~~ of this Change Order:

\$ 10,782.00

Contract Price incorporating this Change Order:

\$ 2,030,782.00

CHANGE IN CONTRACT TIMES:

Original Contract Times: ☐ Working days ☐ Calendar days

Substantial completion (days or date): 300

Ready for final payment (days or date): 60

~~Increase~~ ~~Decrease~~ from previously approved Change Orders
No. ___ to No. ___:

Substantial completion (days): 0

Ready for final payment (days): 0

Contract Times prior to this Change Order:

Substantial completion (days or date): 300

Ready for final payment (days or date): 60

Increase ~~Decrease~~ of this Change Order:

Substantial completion (days or date): 136

Ready for final payment (days or date): 0

Contract Times with all approved Change Orders:

Substantial completion (days or date): 436

Ready for final payment (days or date): 60

RECOMMENDED:

By: [Signature]
Engineer (Authorized Signature)

Date: _____

Approved by Funding Agency (if applicable):

ACCEPTED:

By: _____
Owner (Authorized Signature)

Date: _____

ACCEPTED:

By: _____
Contractor (Authorized Signature)

Date: _____

Date: _____

Project: WWTP Modifications Project
 Client: Franklin, IN
 Task: PPA#11
 Updated: 11-Jun-12

Original Contract Price:	\$2,020,000.00
Change Orders to Date:	\$0.00
Current Contract:	\$2,020,000.00
Total Completed and Stored to Date:	\$2,019,237.00
Retainage	
Work Completed	\$100,961.85
Work Stored	
Amount Eligible To Date	\$1,918,275.15
Less Previous Payment:	\$1,878,035.00
Amount Due This Pay Application	\$40,240.15
Balance to Finish, Plus Retainage	\$101,724.85

Project: WWTP Modifications Project
 Client: Franklin, IN
 Task: Summary of COs paid via PPA #10
 Updated: 11-Jun-12

PCO #	Description	Amt	Time	Notes
1	Extra Concrete Demo @ ATAD Tanks Demo	\$8,778.00		3 Approved
	Relocate Electrical Conduit for Existing Power			
002B	to Valve Vault	\$891.00		0 Approved
	Sawcut Existing Footing to allow room for new			
3	SDNR Foundation	\$10,449.00		5 Approved
	Re-Route 12" DI pipe to avoid Aeration per			
4	Thermal Process	\$3,887.00		6 Approved
	Re-Route Existing 8" NPW for new NPW			
6	Excavation	\$4,432.00		5 Approved
9	Increase size of Hatch at SNDR	\$4,497.00		0 Approved
	Alternate Design for NPW tie in @ the Existing			
13	U.V. - RFI #7	\$2,781.00		2 Approved
	Deduct for Galv Flanges at Factory Pickle and			
14	Passivating	-\$4,000.00		0 Approved
17	Add for Extra Masonry Lintels and Grouting	\$3,492.00		6 Approved
19	Delete Bituminous Coating @ Exterior of SDNR	-\$2,400.00		0 Approved
20	Delete coating walls and floor of SDNR	-\$2,500.00		0 Approved
	Sub-Total:	\$30,307.00	27	

Project: WWTP Modifications Project
 Client: Franklin, IN
 Task: Summary of COs requested via PPA #11
 Updated: 11-Jun-12

PCO #	Description	Amt	Time	Notes
8	Add HVAC fans @ the SDNR Deck	\$10,941.00		0 recommended
	Add extra sawing and 3" pipe @ solids building			
15	trench	\$1,017.00		0
18A	Exploratory Digging for 6" U/G lines / doghouse manhole	\$11,645.00		5
18B	Exploratory Digging for NPW lines / multiple tie ins	\$5,439.00		4
25	Repair Existing FRP Grate Supports	\$538.00		0
	Sub-Total:	\$29,580.00		9
	Total thru PPA 11:	\$59,887.00		36
	Budgetted Contingency:	\$60,000.00		
	Remaining Contingency:	\$113.00		

Project: WWTP Modifications Project
 Client: Franklin, IN
 Task: Summary of COs requested Post PPA #11 - Remaining
 Updated: 11-Jun-12

PCO #	Description	Amt	Time	Notes
007A	Adjust Pump Locatins and Deck Openings @ the NPW	\$784.00		3
21R	Revised Electrical per RFI #8 - after TPS / Contractor Split	\$6,794.00		17
23	Add Drain to Existing Vault	\$960.00		1
	Add Waterline towards North Landscape			
24	Mound	\$1,468.00		1
	Tear Out Equipment Pad in old ATAD bld for			
25	New Electrical Cabinet	\$889.00		1
	Sub-Total:	\$10,895.00		
	Total thru Project:	\$70,782.00		
	Budgetted Contingency:	\$60,000.00		
	Contingency Deficit:	-\$10,782.00		

Engineering Contract	Budget	Spent	Difference
Construction Engineering	\$38,000.00	\$41,956.00	-\$3,956.00
RPR	\$75,000.00	\$50,111.00	\$24,889.00
Post Construction	\$15,000.00	\$7,072.00	\$7,928.00
Financial / Legal	\$4,000.00	\$0.00	\$4,000.00
Sub-Total:			\$32,861.00
Construction Contingency Deficit:	-\$10,782.00		
Engineering Contract Remaining:	\$32,861.00		
SCADA			
Wonderware Screens	-\$6,700.00		
Micrologix	-\$4,800.00		
Float Switch w/Signal Wire	-\$2,000.00	-\$13,500.00	
Remaining	\$8,579.00		\$8,579.00
			\$12,535.00



Reynolds, Inc.

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April 27, 2012

Mr. Al Stong, P.E.
Commonwealth Engineers, Inc.
7256 Company Drive
Indianapolis, IN 46237

RE: City of Franklin WWTP Modifications Project, Reynolds Inc. Job # 10081
Remaining Outstanding Proposed Change Order Items
Revision 1

Dear Al,

I have revised and updated the costs and change order formatting as requested. This letter outlines these revisions and remaining open change order costs.

- 1) **PCO 007: Adjust Deck Layout on NPW Structure**
 - a. This PCO has been divided into two separate issues:
 - i. PCO 007A - Adjust Deck Layout on NPW Structure – this change was a value added benefit to the owner and therefore is on the owner list of changes.
 1. PCO 007A - \$ 784
 2. Total Time Requested: 3 days
 - ii. PCO 007B - Adjust Deck Layout on NPW Structure – Piping modifications. This change resulted as a result of a dimension bust on the layout drawing. Therefore, Commonwealth requested to cover this cost.
 1. PCO 007B - \$ 1,341
- 2) **PCO 008 - Add HVAC Fans @ the SDNR Deck – Revised**
 - a. Reynolds has removed on-site Supervision from our cost.
 - i. Total Revised PCO 008 - \$ 10,941
- 3) **PCO 015:** this looks acceptable and we (Commonwealth) will recommend to the City OK
- 4) **PCO 018A – Exploratory Digging & Dog House Manhole**
 - a. Both PCO 018A & 18B were reviewed and discussed at our 4/2/2012 meeting. These issues were detailed and explained and Max Apple, Commonwealth on-site inspector agreed to the time and resources involved in the costs.
 - i. Reynolds originally “pot holed” the site where proposed pipe tie-ins and locations were shown. Reynolds included this “pot holing” as part of our contract price. Ref sheet 9 for original proposes locations of existing piping and proposed tie-ins.
 - ii. 6” Flanged Rubber Check Valve Location – after initial potholing did not uncover the 6” RAW TWAS feed line to the ATAD Building Reynolds began exploratory digging to locate this line.
 - iii. In an effort to locate this line and location of the proposed check valve, Reynolds continued exploratory excavation to the West. One side walk was removed in this process and will

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PCO 018A Continued...

- require replacement.
- iv. The existing Metal Landscaping material was also disturbed during this process. This may need re-installed in the future.
- v. Reynolds eventually found the 6" line. This line was located in the middle of the roadway, and was found to 45 towards the ATAD under the sidewalk that was removed.
- vi. The existing 6" line was apparently laid in the same trench as the 4" line. The proximity of these two pipes required Reynolds to install additional fittings to provide enough separation to install the check valve and manhole.
- vii. During this exploratory process, Reynolds broke and then repaired the 2" NPW line to the ATAD. This line was also not shown on the drawings.
- viii. Due to the actual location of the 6" pipe and the desire to make the flanged valve accessible, Commonwealth directed Reynolds to install a Dog House manhole under the asphalt roadway (to cover / protect the flanged valve.)
 - 1. PCO # 018 A Total furnished and installed cost: \$ 11,645
 - 2. Total Time Requested: 5 days

5) PCO 018B – Exploratory Digging & Tie-Ins for NPW

- i. Non Potable Waterline – Note 1 on Sheet 9 and sheet 12. This line was not located where shown. The only NPW line found in the general area shown was a hose bib attached to a dead end pipe.
 - 1. After exploratory excavation and locating, the final tie in point was located approximately 40 feet away from the original show tie-in location.
 - 2. This change request is for extra time and material spent to locate and then complete the additional 40 feet of waterline installation
 - 3. This line should have also been found while excavating for the new SDNR vault – but it never was located.
 - 4. A section sidewalk by the small ATAD Building was required to be removed. This sidewalk replacement is in the PCO costs.
 - a. PCO # 018 B Total furnished and installed price \$ 5,439.
 - b. Total Time Requested: 3 days

6) PCO 021R – Revised Electrical PCO per RFI # 8 – after T.P.S. / Berry Elec / Reynolds Split

- a. 480V vs. 120 V Valves – this change required additional control wiring, PVC coated rigid, additional breakers and labor to feed new plug valves. Cost - \$ 5,819
- b. NPW Feed – change from 150 Amp to 200 Amp. Costs include larger breaker and higher rated wire to handle additional load. Cost - \$ 975
- c. Remaining PCO 021 costs were negotiated / split between TPS, Berry Electric, and Reynolds, Inc.
 - i. Total PCO # 21R \$ 6,794
 - ii. Total Time Requested: 17 days

7) **PCO 023:** this looks acceptable and we will recommend the City OK

8) **CO 024:** this looks acceptable and we will recommend the City OK



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9) PCO 025 – Repair Existing Trench Grating Supports - Revised

- a. This PCO has been revised with an updated rental rate on the specialty tool involved in the work.
 - i. PCO # 025 – Total Revised Price \$ 538

10) PCO 026 – Extra Concrete Demo for New Elec Panel in ATAD

- a. Please verify the jack hammer and labor. Looks like the hammer was rented for 4 hours and labor is for 12 hrs.
 - 1. Correct. In an effort to save the owner money, we returned the rental hammer for only a ½ day rental. The 12 hrs represent two (2) laborers for six (6) hours each. Four hour demo time and two hour cleaning and patching.
 - a. Total PCO # 26 \$ 889
 - b. Total Time Requested: 1 day

11) PCO 010 - Replace Stairs @ SDNR Vault

- a. This revised stair system has been installed.
- b. Total completed price was lower than original estimated costs.
 - i. PCO # 010 - Total Revised Price \$ 14,017
 - ii. Total Time Requested: 35 days

12) PCO 012 – Design / Internal Biofilter Structural Comp. per RFI # 6

- a. Reynolds and Commonwealth have split these costs.
 - i. PCO # 012 – Total Revised Price \$ 1,520

13) PCO 027 – Replace Gutters on UV Structure

- a. Reynolds released the material only after approved submittals.
- b. Reynolds recognizes that the owner may have not have truly understood the submittal package, and therefore originally offered to split the cost of the new gutter with the engineer. The engineer declined to participate in this extra cost.
- c. In an effort to minimize any impact to the owner, Reynolds has proceeded and replaced this gutter and fascia with white material @ no cost to the owner.
 - i. PCO # 027 – Total Price \$ 0.00

14) PCO 028 – Replace Power and Control Wiring on WILO Pump

- a. Reynolds has ordered the replacement cable and will coordinate the install of the WILO Pump as soon as it is ready.
 - i. PCO # 028 – Total Price \$ 0.00
 - ii. Total Time Requested: 100 days

Continued on next page

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Summary of PCO Costs:

Description: Costs to City of Franklin	Add / <Deduct>	Added Days
A. PCO # 007A – Adjust Deck Layout on NPW Structure.....	\$ 784 - Revised	3
B. PCO # 008 – Add HVAC Fans @ the SDNR Deck.....	\$ 10,941	Revised
C. PCO # 015 – Install Extra 3" Drain Line @ Solids Bld. Trench	\$ 1,017	
D. PCO # 018 A – Exploratory Digging & Dog House Manhole.....	\$ 11,645	5
E. PCO # 018 B – Exploratory Digging & Tie-Ins for NPW	\$ 5,439	4
F. PCO # 021R – Revised Electrical PCO per RFI # 8 – after T.P.S. / Berry Elec / Reynolds Split	\$ 6,794	17
G. PCO # 023 – Add Drain to Existing Vault in the SDNR Vault.....	\$ 960	1
H. PCO # 024 – Add Waterline Feed Under Roadway for Mounds.....	\$ 1,468	1
I. PCO # 025 – Repair Existing Trench Grating Supports.....	\$ 538	Revised
J. PCO # 026 – Extra Concrete Demo for New Elec Panel in ATAD.....	\$ 889	1
K. PCO # 010 – Replace Stairs @ SDNR Vault.....	\$ 0.00	35
N. PCO # 028 – Replace Power and Control Wiring on WILO Pump.....	\$ 0.00	100
TOTAL PCO AMOUNT TO OWNER	\$ 40,475	167 Days

Outstanding PCO's – Items Owner has directed to Contractor and Engineer for Resolve

Description:	Add / <Deduct>	Added Days
K. PCO # 010 – Replace Stairs @ SDNR Vault.....	\$ 14,017 - Revised	
L. PCO # 012 – Design / Internal Biofilter Structural Comp. per RFI # 6 \$	1,520 - Revised	
M. PCO # 027 – Replace Gutters on UV Structure.....	\$ 0.00	REVISED
N. PCO # 028 – Replace Power and Control Wiring on WILO Pump.....	\$ 0.00	
O. PCO # 007B - Adjust Deck Layout on NPW Structure - Piping.....	\$ 1,341	
TOTAL PCO AMOUNT TO COMMONWEALTH	\$ 16,878	

The Total Lump Sum Price for these Changes is \$ 57,353.00

(Fifty-Seven Thousand Three Hundred Fifty-Three dollars)

Total associated Time Extension Request: 167 Days

Please work with the Owner to process their portion of the change order. I will invoice Commonwealth directly for their portion of these items. Please contact me with any questions or concerns @ (317) 353-0199.

Respectfully,

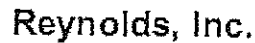
Reynolds Inc.

#1375
Dan R. Clark
Project Manager

Cc Andy Zalla, Reynolds District Manager; Dave Fee, Superintendent
Max Apple, Commonwealth Field Inspector

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May 11, 2012

Mr. Al Stong, P.E.
Commonwealth Engineers, Inc.
7256 Company Drive
Indianapolis, IN 46237

RE: City of Franklin WWTP Modifications Project, Reynolds Inc. Job # 10081

INVOICE FOR PAYMENT

Remaining PCO's # 7B – Adjust Pump Locations and Deck Openings @ the NPW – Piping
10 – Replace SDNR Stair System
12 – Biofiler Internal Structural Components per RFI # 6

Dear Al,

As discussed, Reynolds has revised our PCO's and summarized the final negotiated amounts below. In addition, we have completed the installation of the revised stair system @ the Franklin WWTP SDNR Structure. The invoice is detailed below and on the attached spreadsheet.

PCO # 07B – Adjust Pump Locations and Deck Openings @ the NPW – Piping

1) Revise piping to align with revised deck layout.....\$ 1,341

PCO # 10 - Install New Stair System

1) Procure New Stairs.....\$12,037
2) Credit for return of existing treads.....< \$ 581 >
3) Misc Anchors & Material, small tools.....\$ 151
4) Install new Stair System\$ 2,410
\$ 14,017

PCO # 12 – Biofiler Internal Structural Components per RFI # 6

1) Total Requested Cost.....\$ 3,040
2) Reynolds split cost.....< \$ 1,520 >
\$ 1,520

TOTAL INVOICE AMOUNT: \$ 16,878 (Sixteen Thousand Eight Hundred Seventy-Eight Dollars)

Please use this letter as an invoice and pay the above amount. Please include / Reference Job # R10081 on the check.
Please send payment to the following address:

Reynolds, Inc.
ATTN: Accounts Receivable
4520 N. State Road 37
Orleans, IN 47452

Please contact me with any questions or concerns @ (317) 353-0199.

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Respectfully,

Reynolds Inc.

Dan R. Clark
Project Manager

Cc Andy Zalla, Reynolds District Manager

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