

# **SPRING-BENNER-WALKER JOINT AUTHORITY**

## **REGULAR MEETING**

**August 24, 2015**

### **ATTENDANCE:**

**AUTHORITY MEMBERS:**

<b>Spring</b>	Joseph Galbraith Gregg Heny Dondi Smeltzer
<b>Benner</b>	Dan Hoffman William Hughes Timothy Miller
<b>Walker</b>	Dennis McDowell Ted Onufrak

**GUESTS:** Shirley Gryczuk & John Kostas

**EXECUTIVE DIRECTOR:** N. Warren Miller

**EMPLOYEES:** Tasha Dutton

### **CALL TO ORDER:**

The August 24, 2015, Regular Meeting of the Spring-Benner-Walker Joint Authority was called to order at 7:00 P.M. by Timothy Miller, Chairman. Mr. T. Miller thanked everyone for attending and stated that the meeting would be recorded for transcription.

### **ROLL CALL:**

William Hughes, Secretary, took Roll Call, recording eight members present. Mr. Mr. Scott was absent. Mr. T. Miller, Chairman, noted that with a quorum present, the Spring-Benner-Walker Joint Authority was permitted to conduct business under the laws of Pennsylvania.

### **PLEDGE OF ALLEGIANCE:**

Mr. T. Miller, Chairman, led the Board members, Employees and Guests in the Pledge of Allegiance.

**APPROVAL OF MEETING MINUTES:**

Mr. T. Miller asked the Board if there were any questions and/or changes to the August 10, 2015 meeting minutes as presented. **Mr. Galbraith moved, seconded by Mr. Smeltzer to approve the Minutes of the August 10, 2015 Regular Meeting as presented.** 8 ayes, 0 nays, 1 absent. **The motion carried.**

**CORRESPONDENCE:**

**Bellefonte Borough** – We received an email and attachment from Bob Cook regarding Bellefonte's Pretreatment Program and their Local Limits. Mr. W. Miller also mentioned that Bellefonte Borough's engineer, Robert Decker, had provided the Authority with updated costs for the proposed upgrades, along with a scope and project schedule which has been made a part of the official meeting minutes.

**Hawbaker Engineering** - We received a letter from Eric Kann of Hawbaker Engineering requesting sewer capacity of 1.96 EDUs for the Intermodal Rail Facility in Pleasant Gap. This facility will be used to wash and cool asphalt cores as well as wash stone samples. **Mr. Hoffman moved, seconded by Mr. Heny to approve 1.96 EDUs for the Intermodal Rail Facility in Pleasant Gap contingent on Bellefonte Borough approving treatment.** 8 ayes, 0 nays, 1 absent. **The motion carried.**

**FINANCIAL REPORTS:**

Treasurer's Report: Mr. Onufrak reviewed the financial reports for the period ending 07/31/2015. Mr. T. Miller asked if there were any questions regarding the Treasurer's Report. **Mr. McDowell moved, seconded by Mr. Galbraith to approve the Treasurer's Report as presented.** 8 ayes, 0 nays, 1 absent. **The motion carried.**

**APPROVAL OF PAYMENTS:**

Approval of Requisitions:

**Revenue Fund Requisition 2012-61** – Mr. Onufrak presented the Board with Revenue Requisition 2012-61. Mr. T. Miller asked if there were any questions regarding the presentation of Revenue Fund Requisition #2012-61. **Mr. Smeltzer moved, seconded by Mr. Hughes to approve Revenue Requisition 2012-61 payable to SBWJA in the amount of \$359,741.37.** 8 ayes, 0 nays, 1 absent. **The motion carried.**

**Semi-Annual 2012 Bond Payment** – **Mr. Hughes moved, seconded by Mr. Hoffman to approve the semi-annual 2012 bond interest and principal payment in the amount of \$152,916.25.** 8 ayes, 0 nays, 1 absent. **The motion carried.**

**GUESTS:**

**Shirley Gryczuk & John Kostas** – Shirley Gryczuk of 111 Aster Avenue, Bellefonte took a moment to introduce herself and to explain the reason for her attendance. Ms. Gryczuk stated that she has started attending Township meetings to learn more about the community that she resides in. Ms. Gryczuk also stated that she was interested in gaining more knowledge about Grove Park and the maintenance of the sewer system. Mr. W. Miller took a moment to explain the construction of the gravity sewer system within the Grove Park development and how the flows are conveyed. It was noted that the maintenance department will jet and vacuum the sewer mains every (5) five years, video every (3) three years and smoke test every (5) five years. Mr. W. Miller also explained Spring Benner Walker Joint Authority's procedures for sewer lateral inspections and in-home inspections. The SBWJA sewer system currently consists of 275 miles of gravity sewer lines, 3,000 manholes and 18 pumping stations. Mr. W. Miller also stated that last year's wet weather flow to average flow ratio was approximately 1.05 to 1.00, which indicates that our system is very tight during wet weather. Mr. Kostas of 215 Aster Avenue introduced himself; however, had no questions at this time for the Board. Mr. T. Miller thanked Ms. Gryczuk and Mr. Kostas for attending the meeting and being interested in our system.

**Paul & Ellen Hartle** – Mr. and Mrs. Hartle of 3052 Benner Pike were placed on tonight's agenda at their request; however, they were not present. Mr. W. Miller explained that the Hartle's were one of the five residents that would be affected by the Benner Pike sewer extension and that they were concerned on the start date of the project. The Hartle's have a failing on-lot system that needs to be replaced as soon as possible. Mr. W. Miller anticipates the project starting sometime this fall.

**EXECUTIVE DIRECTOR'S REPORT:**

**Vactor Truck** – Our new Vactor truck was delivered on 8/17/2015 and the maintenance department received their training. Our personnel feel that the new Vactor truck is very similar to the old Vactor truck; therefore, it is making the transition easy.

**OLD BUSINESS:**

**Bellefonte Borough Upgrades** – Mr. T. Miller took a moment to ask Mr. Hoffman if there were any questions regarding the August 10, 2015 meeting with Bellefonte Borough Authority due to his absence. Mr. Hoffman had no questions for the remaining Board members. At the August 10, 2015 meeting the Board had discussed the possibility of our Authority completing and paying for a feasibility study to determine the best method for the upgrades needed to the wastewater treatment plant (WWTP);

therefore, Mr. T. Miller stated that the Board will need to discuss and make a decision regarding this matter.

Mr. Galbraith stated that he was under the impression, from the last meeting, that SBWJA would attend BBA's next meeting and request they complete a feasibility study and we would pay for it. Mr. T. Miller stated that SBWJA should only be paying 42% of the feasibility study.

Mr. Onufrak stated that Mr. Book and Mr. Johnson estimated the cost of the feasibility study to be \$50,000 which he feels this one-time fee would be better than our customers paying \$500,000 annually due to BBA increasing our rates.

All Board members agree that BBA needs to complete a comprehensive study of their WWTP prior to upgrades/expenditures and also to consider all options and the effects they would have on the other process.

**Mr. Heny moved, seconded by Mr. Hughes that several SBWJA Board members attend the BBA's September 1, 2015 meeting at 6:00 P.M. to request a feasibility study be completed prior to the Borough expending community money and other plant upgrades for BBA. 8 ayes, 0 nays, 1 absent. The motion carried.**

Mr. Heny asked that a letter accompany the SBWJA Board members to the BBA meeting on September 1, 2015 officially requesting the completion of a feasibility study. Mr. Onufrak will draft a letter for approval. Mr. Galbraith and Mr. Smeltzer will attend the BBA meeting.

**Employee Personnel Handbook** – Mr. Onufrak asked if the Employee Personnel Handbook would be available for review at the September 14, 2015 meeting. Mr. W. Miller stated that the Employee Personnel Handbook will be ready for the September 14, 2015 meeting.

**NEW BUSINESS:** There was no New Business presented for discussion.

#### **COMMITTEE REPORTS:**

**Personnel & Community Relations Committee:** Mr. Hoffman stated that the Employee Personnel Handbook will be discussed at the September 14, 2015 meeting.


**Facilities Committee:** Mr. Hughes had nothing to report.

**Finance Committee:** Mr. Onufrak had nothing to report.

**ADJOURNMENT:**

**Mr. Galbraith moved, seconded by Mr. Hughes to adjourn the meeting at 8:19 p.m.  
8 ayes, 0 nays, 1 absent. The motion carried.**

Respectfully submitted,

  
\_\_\_\_\_  
William Hughes, Secretary

  
\_\_\_\_\_  
Tasha L. Dutton, Recording Secretary

CC: Benner Township \_\_\_\_\_  
Spring Township \_\_\_\_\_  
Walker Township \_\_\_\_\_

> 9/16/15 289

Spring-Benner-Walker Joint Authority  
August 24, 2015 **Bellefonte Borough Authority**  
**Sewage Treatment Plant Improvements Project**

2015-101

**Facility Improvement Scope (By Location/Process)\***

**Pre-Treatment Area/Building Improvements**

1. Grit Chamber Supports
2. Site Paving Repairs
3. Re-Paving the Pole Buildings (3 Total)
4. Sealcoat Existing Access Drive
5. Install new 6" Influent Bypass Pipe

**EQ Tanks**

6. Mixing Option (Based on additional modeling evaluation)

**Activated Sludge System Improvements**

7. Concrete Sealing/Caulk of Roof Slabs
8. Splitter Box Repair
9. Return Activated Sludge (RAS) Piping Renovation (Both Sides)
10. Return Activated Sludge (RAS) – Remove Geysers Pumping (One Side)
11. AS Aeration/Clarifier Tank Isolation Gates
12. BIOMAG Installation
  - a. BIOMAG – AS Sludge Piping Modifications
  - b. BIOMAG – AS Tank Modifications
  - c. BIOMAG – Jet Aeration Installation
    - i. AS Tank Aerators
    - ii. AS Tank Submersible Pumps
  - d. BIOMAG – Magnetite Storage and Feeding
    - i. Existing Silo and Mix Tank Modifications
  - e. BIOMAG – Recovery Building

**Activated Sludge – Sludge Holding (Former RBC Tanks)**

13. RBC #2 and 3 Tank Modifications
  - a. Tank Wall/Divider Renovations
  - b. Sludge Piping (From BIOMAG Recovery)
  - c. Tank Aeration Installation (Relocate Aerators)
  - d. Aeration Piping (From BIOMAG Recovery Building)
  - e. PH Control (Relocate Equipment and Updates as needed)
  - f. Sludge Blowers (BIOMAG - Recovery Building Location)
  - g. Sludge Blower & Motor Replacement
  - h. Odor Control (Potential option based on funding and as required)

**RBC System Demolition**

14. RBC Train #1 through #3 Demolition

**Anoxic Tank Installation (Former RBC Tank)**

15. RBC #1 Tank Modifications
  - a. Tank Wall Renovations
  - b. Tank Mixer Installation

**Sludge Management – Control Building**

16. Sludge Dewatering Press
  - a. Sludge Press Installation/Conveyor
  - b. Sludge Controls
  - c. Rebuild two (2) Muffin Monsters

**SCADA/Controls Upgrade**

17. Upgrade SCADA Master Control Unit with BIOMAG sub system and associated work above

\*Facility scope is preliminary and may be subject to change based on further final design

<i>WWTP Improvement Project</i>					
<i>Bellefonte Borough Authority</i>		Nittany Engineering & Associates, LLC			
<i>Bellefonte, PA</i>		Est. By: JCT		April 7, 2015 Rev. Aug. 11, 2015	
ITEM DESCRIPTION	CONTRACT ESTIMATE				
	QTY	Unit	UNIT PRICE	TOTAL COST	
1 General Requirements					
- Allowances (profit, bonds, insurance & taxes)	1	LS	\$200,000.00	\$200,000.00	
- Field Staff	1	LS	\$55,000.00	\$55,000.00	
- Temp Facilities, Testing, Equipment	1	LS	\$30,000.00	\$30,000.00	
<b>Total Division 01</b>				<b>\$285,000.00</b>	
2 Sitework					
- Testing (Concrete, compaction, etc.)	1	LS	\$6,000.00	\$6,000.00	
- Building (\$100/SF @ 1000 SF - See Electrical for Extra)	1	LS	\$100,000.00	\$100,000.00	
- Tanks/Piping/Equipment Demo	1	LS	\$12,000.00	\$12,000.00	
- Disposal (RBC)	1	LS	\$25,000.00	\$25,000.00	
- Excavation (Building and Piping Conn)	1	LS	\$12,000.00	\$12,000.00	
- Gravel & Stone	1	LS	\$5,000.00	\$5,000.00	
- Site Piping/Trenching (Minimal Elect, Controls)	1	LS	\$8,000.00	\$8,000.00	
- Roads/Walkways (Paving to New Building)	1	LS	\$5,000.00	\$5,000.00	
- E & S Control (Around Building)	1	LS	\$2,000.00	\$2,000.00	
- Dewatering/Temp. Process Pumping	1	LS	\$8,000.00	\$8,000.00	
- Existing Parking Lot Paving and Repairs	1	LS	\$30,000.00	\$30,000.00	
- New Paving in Pole BLDGs	1	LS	\$52,000.00	\$52,000.00	
- Sealcoat Existing Asphalt Areas	1	LS	\$10,000.00	\$10,000.00	
- Landscaping/Final Seeding & Grading	1	LS	\$5,000.00	\$5,000.00	
<b>Total Division 02</b>				<b>\$280,000.00</b>	
3 Concrete					
- Miscellaneous	1	LS	\$15,000.00	\$15,000.00	
- AS Tank Modifications (Removal)	1	LS	\$45,000.00	\$45,000.00	
- RBC Tank Demo	1	LS	\$30,000.00	\$30,000.00	
- RBC Tank Renovation (Increase Height 5' -All 3)	1	LS	\$230,000.00	\$230,000.00	
<b>Total Division 03</b>				<b>\$320,000.00</b>	
4 Masonry					
- Miscellaneous	1	LS	\$10,000.00	\$10,000.00	
<b>Total Division 04</b>				<b>\$10,000.00</b>	
5 Metals					
- Grit Tank Repairs	1	LS	\$15,000.00	\$15,000.00	
- Railing/Stairs/Decking (Minimal)	1	LS	\$8,000.00	\$8,000.00	
<b>Total Division 05</b>				<b>\$23,000.00</b>	
6 Wood & Plastics					
- New Roof	1	LS	\$25,000.00	\$25,000.00	
- Miscellaneous	1	LS	\$15,000.00	\$15,000.00	
<b>Total Division 06</b>				<b>\$40,000.00</b>	
7 Thermal & Moisture					
- Miscellaneous	1	LS	\$5,000.00	\$5,000.00	
<b>Total Division 07</b>				<b>\$5,000.00</b>	

August 24, 2015		CONTRACT ESTIMATE			
		QTY	Unit	UNIT PRICE	TOTAL COST
8	Doors & Windows				
	- Door Upgrades/Rplacements	1	LS	\$20,000.00	\$20,000.00
	<b>Total Division 08</b>				<b>\$20,000.00</b>
9	Finishes				
	- Miscellaneous (Concrete Tank Renov)	1	LS	\$20,000.00	\$20,000.00
	<b>Total Division 09</b>				<b>\$20,000.00</b>
10	Specialties				
	- Misc	1	LS	\$5,000.00	\$5,000.00
	<b>Total Division 10</b>				<b>\$5,000.00</b>
11	Equipment				
	- BIOMAG Recovery and Jet Package	1	LS	\$2,050,000.00	\$2,050,000.00
	- BIOMAG Recovery and Jet Package Install	1	LS	\$170,000.00	\$170,000.00
	- Sludge Blowers and Install	1	LS	\$160,000.00	\$160,000.00
	- Sludge Dewatering/Thickening Press and Install	1	LS	\$350,000.00	\$350,000.00
	- Replace Splitterbox @ AS	1	LS	\$65,000.00	\$65,000.00
	- AS Blower and Install	1	LS	\$20,000.00	\$20,000.00
	- AS Blower Motor and Install	1	LS	\$14,000.00	\$14,000.00
	- Rebuild Muffin Monsters	1	LS	\$17,500.00	\$17,500.00
	<b>Total Division 11</b>				<b>\$2,846,500.00</b>
12	Furnishings				
		1	LS	\$5,000.00	\$5,000.00
	<b>Total Division 12</b>				<b>\$5,000.00</b>
13	Special Construction				
	- Miscellaneous	1	LS	\$15,000.00	\$15,000.00
	<b>Total Division 13</b>				<b>\$15,000.00</b>
14	Conveying				
	- Conveyor for Sludge Dewatering	1	LS	\$35,000.00	\$35,000.00
	<b>Total Division 14</b>				<b>\$35,000.00</b>
15	Mechanical				
	- AS Tank Isolation Gates	1	LS	\$20,000.00	\$20,000.00
	- RAS Piping Renovation	1	LS	\$400,000.00	\$400,000.00
	- WAS Piping to BIOMAG	1	LS	\$30,000.00	\$30,000.00
	- WAS Piping from BIOMAG to Holding	1	LS	\$35,000.00	\$35,000.00
	- New 6" Influent Bypass Piping	1	LS	\$8,000.00	\$8,000.00
	- Miscellaneous	1	LS	\$10,000.00	\$10,000.00
	<b>Total Division 15</b>				<b>\$503,000.00</b>
16	Electrical				
	- General - Equipment, SCADA, and Process	1	LS	\$150,000.00	\$150,000.00
	- BIOMAG Building	1	LS	\$75,000.00	\$75,000.00
	- Dewatering Press	1	LS	\$18,000.00	\$18,000.00
	<b>Total Division 16</b>				<b>\$243,000.00</b>
	<b>TOTAL PLANT CONSTRUCTION</b>				<b>\$4,655,500.00</b>
	Contingency	15.0%			\$698,325.00
	Design/Permitting/Bidding	9.0%			\$418,995.00
	Construction Mgmt.	4.0%			\$186,220.00
	GeoTech Investigation	0.2%			\$9,311.00
	Legal	0.8%			\$34,916.25
	Administration/Funding	0.5%			\$23,277.50
	Inflation (2015-2016)	2.5%			\$116,387.50
	<b>TOTAL PROJECT</b>				<b>\$6,142,932.25</b>



**Sewage Treatment Plant Improvements Project**

**Estimated Project Schedule\***

Preliminary Design Phase	July 2015 thru Dec 2015
Final Design Phase	Jan 2016 thru April 2016
Bidding Phase	May 2016 thru July 2016
Construction Phase	August 2016 thru March 2017
Start-up Phase	April 2017 thru May 2017

\*Project Schedule is subject to regulatory review time and approval