

AGENDA
UTILITIES SERVICE BOARD MEETING

Utilities Service Board Room
City of Bloomington Utilities
600 E. Miller Dr.
Bloomington, Indiana 47402

Sam Frank, President
Jim Sherman, Vice President
Jason Banach
Amanda Burnham
Jeff Ehman
Julie Roberts
Terri Porter, ex-officio
Jim Sims, ex-officio

October 2, 2017
5:00 P.M. Regular Meeting

- I. Call to order
- II. Approval of the minutes of previous meeting (Sept 21)
- III. Approval of the claims
- IV. Request for Approval of AB BioTechnologies Permit - Tamara Roberts
- V. Old business
- VI. New business
- VII. Subcommittee reports
- VIII. Staff reports
- IX. Petitions and communications*
- X. Adjournment

* Brief public comment will be limited to 5 minutes per person.

UTILITIES SERVICE BOARD MEETING

September 21, 2017

Utilities Service Board meetings are recorded electronically or stenographically and are available during regular business hours in the office of the Director of Utilities.

Board President Frank called the regular meeting of the Utilities Service Board to order at 5:04 p.m. The meeting was held in the Utilities Service Board room at the City of Bloomington Utilities Administrative Building in Bloomington, Indiana.

Board members present: Sam Frank, Jim Sherman, Jeff Ehman, Julie Roberts, and Terri Porter (ex-officio).

Staff members present: Mike Hicks, Brad Schroeder, Jon Callahan, Michelle Waldon, Cindy Shaw, Holly McLauchlin, and Vic Kelson.

MINUTES

Board Vice President Sherman moved and Board Member Roberts seconded the motion to approve the minutes of the September 5th meeting. Motion carried, 4 ayes (2 members absent: Burnham and Banach).

CLAIMS

Sherman moved and Roberts seconded the motion to approve the standard claims as follows:

Vendor invoices submitted included \$158,496.72 from the Water Utility; \$853,582.84 from the Wastewater Utility; and \$676.79 from the Stormwater Utility. Total Claims approved, \$1,012,756.35.

Motion carried, 4 ayes (2 members absent: Burnham and Banach).

Sherman moved and Roberts seconded the motion to approve the utility claims as follows:

Utility invoices submitted included \$127,828.62 from the Water Utility; \$106,088.71 from the Wastewater Utility; and \$0.00 from the Stormwater Utility. Total Claims approved, \$233,917.33.

Motion carried, 4 ayes (2 members absent: Burnham and Banach).

Sherman moved and Roberts seconded the motion to approve the ACH payment as follows:

Utility invoices submitted included \$200,834.62 from the Water Utility; \$0.00 from the Wastewater Utility; and \$0.00 from the Stormwater Utility. Total Claims approved, \$200,834.62.

Motion carried, 4 ayes (2 members absent: Burnham and Banach).

Sherman moved and Roberts seconded the motion to approve the wire transfers and fees for the month of August in the amount of \$403,787.37.

Motion carried, 4 ayes (2 members absent: Burnham and Banach).

Sherman moved and Roberts seconded the motion to approve the customer refunds as follows:

Customer refunds submitted included \$22.37 from the Water Utility; \$641.83 from the Wastewater Utility; and \$0.00 from the Stormwater Utility. Total Claims approved, \$664.20.

Motion carried, 4 ayes (2 members absent: Burnham and Banach).

REQUEST FOR APPROVAL OF RESOLUTION 2017-5 FOR BID ACCEPTANCE DILLMAN RD WWTP EFFLUENT FILTER IMPROVEMENTS PROJECT

Sherman moved and Roberts seconded the motion to approve resolution; motion carried, 4 ayes (2 members absent: Burnham and Banach).

CBU Engineer Hicks presented letter from Wessler Engineering about the 5 bids on this project. The recommendation is for the lowest bidder, Kokosing, at \$929,300.00. Board asked if CBU has worked with Kokosing; this will be the first project. Hicks stated that although this is the first CBU project with Kokosing, they are a large company, Wessler checked references, and Wessler has worked with Kokosing before. Their headquarters are in Ohio, but they will be working with CBU through the office in Indianapolis. Board approved resolution.

REQUEST FOR APPROVAL OF CONTRACT FOR MOLD REMEDIATION AT BLUCHER POOLE

Sherman moved and Roberts seconded the motion to approve contract; motion carried, 4 ayes (2 members absent: Burnham and Banach).

CBU Purchasing Manager Shaw presented a contract with Fields Environmental for \$40,762.66 for remediation of mold found at Blucher Poole. This was discussed at the 8/21/17 USB meeting and found to be an emergency. Board feels comfortable with the information previously presented and has no further questions. Board approved contract.

REQUEST FOR APPROVAL OF DUMP TRUCK PURCHASE

Sherman moved and Roberts seconded the motion to approve resolution; motion carried, 4 ayes (2 members absent: Burnham and Banach).

Shaw also presented a contract with Palmer Trucks for a dump truck for the T&D Department for asphalt crew. The truck will be \$93,521.00. Board approved contract.

SUBCOMMITTEE REPORTS: Rules and Regulations subcommittee met on 9/18/17 at 4:30pm. Sherman reported that there was more discussion of the purchasing policy. The subcommittee worked with CBU staff to recommend that the purchasing policy state that any contracts below \$50,000 can be signed by the director without USB approval. Currently, that amount is \$25,000. Any contracts below that amount **can** be brought to the board at the request of the Board or Director. Subcommittee recommended approval.

REQUEST FOR APPROVAL OF RESOLUTION REGARDING PURCHASING POLICY

Subcommittee recommended to approve resolution; motion carried, 4 ayes (2 members absent: Burnham and Banach).

Shaw reiterated the change in the policy. CBU Finance Manager Waldon said contracts over \$10,000 will be in the board packet as a separate list and the Board is welcome to ask questions. CBU Director Kelson said he thought the change was a good idea and this signatory authority will be used with discretion. Kelson reminded Board that Mayor's and Controller's offices also sign all contracts. Frank said he felt comfortable with this changed particularly in light of the amount of communication from Kelson and other CBU staff. Board approved resolution 2017-6.

OLD BUSINESS: N/A

NEW BUSINESS: N/A

STAFF REPORTS: Kelson stated the Lake Lemon level is mostly down and work has begun. By the next meeting we should know an end date as long as the weather stays dry.

PETITIONS AND COMMUNICATIONS: Board ask if the water processed at Monroe Plant has been affected by the recent hot weather. Kelson said it has remained at 15-20mgd; no where near the 30mgd capacity.

Frank expressed gratitude for staff at Farmers' Market event on 9/16. He was impressed with the way staff engaged the public. Sherman asked if people had billing questions related to the new Sanitation change. Frank said no; people's questions were about what CBU does and why, like conservation, pretreatment, plugging leaks, and the vac truck.

ADJOURNMENT: The meeting was adjourned at 5:24 p.m.

Samuel K. Frank, President

**UTILITIES SERVICE BOARD MOTION
MEETING ON OCTOBER 02, 2017**

To:	Utilities Service Board	From:	Kim Robertson
Dept.		Dept.	Accounts Payable
Sub:	Claims list filed: 09/28/17	Date:	09/28/17
	USB: 10/02/2017		
	For Period: 09/02/17-09/15/17	Paydate:	10/06/17
	G/L Date: 10/06/17		

Utilities Department invoices filed with the City Controller September 28, 2017 and signed by the Utilities Service Board for payment October 06, 2017 as in accordance with the Utilities Service Board Resolution of August 7, 1973, be hereby approved and entered into the minutes of today's meeting. A copy of the list is filed, with any exceptions noted, is hereby attached and made a part of these proceedings.

Water Operations & Maintenance	358,523.16
Water Construction	526.54
Water Meter Deposit	0.00
Water Sinking	0.00
Water Hydrant Meter Rental	0.00
Total of Water Utilities as per the invoice list:	<u><u>\$359,049.70</u></u>
Wastewater Operations & Maintenance	79,590.42
Wastewater Construction	0.00
Wastewater Sinking	0.00
Total of Wastewater Utilities as per the invoice list:	<u><u>\$79,590.42</u></u>
Stormwater	792.68
Stormwater Construction	0.00
Total of Stormwater Utility as per the invoice list:	<u><u>\$792.68</u></u>
Total Water Utility:	<u><u>\$359,049.70</u></u>
Total Wastewater Utility:	<u><u>\$79,590.42</u></u>
Total Stormwater Utility:	<u><u>\$792.68</u></u>
TOTAL WATER, WASTEWATER & STORMWATER UTILITIES	<u><u>\$439,432.80</u></u>

City of Bloomington Utilities
Accounts Payable by G/L Distribution Report
Paydate: 10/08/17

Vendor	Invoice No.	Invoice Description	Invoice Amount	Water O&M	Water Construction	Wastewater O&M	Stormwater O&M
American Pump Repair & Service, INC	75335	BP17-157 Repair kit for non-potable KSB pumps; gasket set	938.11			938.11	
American Structurepoint, INC	98878	W17-20501-Fullerton Pk Phase II through 07/31/17 - ENG	7,383.96	7,383.96			
American Water Works Association	7001414177	ENG17-070 Annual membership dues - B. Schroeder	90.00	90.00			
Arcadis U.S., INC	0865170	W15-3904 - 2015 Hydraulic Water Model - through 08/20/17 - ENG	3,680.00	3,680.00			
Astbury Gabriel Corp (ESG Laboratories)	17014356	Testing - Digester sludge - 09/01/17 - DR, ENV	121.00			121.00	
Baker Lawn Service Company	08/31/17 CBU	Landscape maintenance @ Service Center - 08/04-08/25/17 - SC	216.00	86.40		129.60	
Biochem, INC	16074	K110 LTR Praestol flocculant for polymer sludge press - MN	3,216.60	3,216.60			
Biochem, INC	16084	Sodium carbonate peroxyhydrate (Green clean Pro) - DR	687.03			687.03	
Black Lumber Co INC	336421	Misc plywood to build rack for barricades - SW, TD	134.03	53.61		73.72	6.70
Black Lumber Co INC	336583	4x8 Sanded pine plywood to build rack for barricades - SW, TD	21.95	8.78		12.07	1.10
Black Lumber Co INC	337859	Conduit, light bulbs, pipe cutter - PUR	74.94	29.98		44.96	
Black Lumber Co INC	338066	4 Paint brushes for fire hydrants - TD	31.96	31.96			
Black Lumber Co INC	338971	2 Sets of headphones for truck #629 & 704 - SW, TD	39.98	15.99		21.99	2.00
Black Lumber Co INC	339047	Wall conduit, promask, packing tape, frog tape, door stop - PUR	71.49	28.60		42.89	
Bloomington Sandwich Co, LLC	4669	Food for LMC training on 09/13/17 - DR	120.28			120.28	
Bradley C Schroeder	ENG17-072	Reimbursement for repair of iphone & iphone case - ENG	128.31	51.32		76.99	
Chemtrade Chemicals Corporation	92189613	Alum - 11.021 @ 424.00 delivered 09/11/17 - MN	4,672.90	4,672.90			
Chemtrade Chemicals Corporation	92189614	Alum - 10.926 @ 424.00 delivered 09/13/17 - MN	4,632.62	4,632.62			
Chemtrade Chemicals Corporation	92192622	Alum - 11.087 @ 424.00 delivered 09/18/17 - MN	4,700.89	4,700.89			
Cintas First Aid & Safety # 388	5008918530	Restock first aid cabinets @ Dillman WWTP - 09/14/17 - DR	132.33			132.33	
City of Bloomington Utilities	ACCT17-096	Replenish petty cash drawer - Receipt #'s 1575 1579 - ACCT	150.00			150.00	
Commercial Service Of Bloomington, INC	S137560	Repair low service pump station @ Monroe - 07/31/17 - MN	404.10	404.10			
Cosner's Ice Company	119014019	86 bags of ice delivered 09/06/17 - SW, TD	124.70	49.88		68.59	6.23
Electric Services and Plumbing, INC	17-030P	ENG17-052 Service call on Basin #3, install foam, extend conduit	4,700.00			4,700.00	
Eurofins Eaton Analytical, INC	S284217	Testing - TTHM, HAA5 for drinking water - LAB, DR	1,710.00	1,710.00			
Everett J Prescott, INC	5280168	TD17-344 Ford meter adapters 5/8"x3/4" to 1" (30)	930.00	372.00		558.00	
Everett J Prescott, INC	5280204	TD17-341 Omni C2 meter; dis joint, flange kits, megalug acc kit	2,056.53	822.61		1,233.92	
Executive Management Services, INC	219281	Cleaning service @ Service Center - Sept 2017 - SC	3,992.00	1,596.80		2,395.20	
Executive Management Services, INC	219282	Cleaning service @ Dillman WWTP - Sept 2017 - DR	1,082.00			1,082.00	
Executive Management Services, INC	219283	Cleaning service @ Blucher Poole - Sept 2017 - BP	801.00			801.00	
Ferguson Enterprises, Inc	0094884	PUR17-337 Galv MI 150# tee (40); bete ff406 nozzle (25)	1,209.90			1,209.90	
Ferguson Enterprises, Inc	0095643	PUR17-357 CTS inserts, tee bolts w/ nuts for MJ fittings, gasket	1,436.50	1,436.50			
Ferguson Enterprises, Inc	0095645	PUR17-358 Various inventory parts	14,700.00	14,700.00			

City of Bloomington Utilities
Accounts Payable by G/L Distribution Report
Paydate: 10/06/17

Vendor	Invoice No.	Invoice Description	Invoice Amount	Water O&M	Water Construction	Wastewater O&M	Stormwater O&M
Ferguson Enterprises, Inc	0096187	PUR17-363 Ford C3Ts meter pit frame & lid #10 (25)	2,125.00	2,125.00			
Ferguson Enterprises, Inc	0096303	PUR17-364Q Various inventory parts	1,280.00	1,280.00			
Ferguson Enterprises, Inc	0097781	PUR17-369Q Ductile iron pipe and var size locking gaskets	56,686.90	56,686.90			
Ferguson Enterprises, Inc	0099806	PUR17-364Q Bolts & washers for curb inlets	395.00				395.00
First Financial Bank / Credit Cards	7001422610	MN17-344 Water Treatment Operator Lvl 2 class - James White	300.00	300.00			
First Financial Bank / Credit Cards	83648424	PUR17-247 Lodging expense for employee customer service training	506.25	202.50		303.75	
Freedom Business Solutions, LLC	9711	Toner cartridge for HP400 - SC, ACCT	98.00	39.20		58.80	
Gripp, INC	334809	Wastewater flow monitoring - ENG	4,576.83			4,576.83	
HACH Company	10618593	MN17-360 Filter for DQ3 water systems	244.77	244.77			
HACH Company	10626983	BP17-173 LBOD Sensor cap replacement	1,336.39			1,336.39	
HACH Company	10633830	MN17-360 Purification pack for DQ3 water system	586.00	586.00			
Hall Signs INC	324205	W17-4106/PUR17-395 Various construction signs for Church Ln	526.54		526.54		
Hawkins, INC	4119542	MN17-396 Sodium permanganate; sodium thiosulfate	5,200.12	5,200.12			
HD Supply Facilities Maintenance - (USA Bluebook)	353776	DM17-102 Siemens ULS200 pointex ultra sound sensor	1,096.36			1,096.36	
HD Supply Waterworks, LTD	H532693	PUR17-330 Fan nozzles, Bete.com part #FF375, 3/4"	290.00			290.00	
HD Supply Waterworks, LTD	H558826	PUR17-280 Meter pit extension ring 20" x 24"	1,028.80	1,028.80			
HD Supply Waterworks, LTD	H562253	PUR17-356 Various inventory items	4,023.71	4,023.71			
HD Supply Waterworks, LTD	H562270	PUR17-356 Various inventory items	46,519.85	46,519.85			
HD Supply Waterworks, LTD	H637392	PUR17-370Q Various inventory parts	52,338.87	52,338.87			
HD Supply Waterworks, LTD	H642119	TD17-331 Geo textile fabric - 1 roll	445.91	178.36		245.25	22.30
HD Supply Waterworks, LTD	H642581	PUR17-375 Var size valves, bends, meter pits, mtr pit ext ring	9,709.16	9,709.16			
HD Supply Waterworks, LTD	H679636	PUR17-382 Pipe polywrap; retainer gland; flat flange paks	855.80	342.32		513.48	
HD Supply Waterworks, LTD	H755552	PUR17-409 5 lb container chlorine tablets (5)	162.70	162.70			
Hoosier Times, INC	149972 06/30/17	Ad for announcing Water Quality Report - 06/15-06/16/17-DIR	592.44	592.44			
Hoosier Times, INC	149972 08/31/17	Ad for Dillman effluent filter improvements- 08/27/17-#311462-DIR	116.48			116.48	
Hoosier Times, INC	155381 07/31/17	Ad for 3 laborer positions - 07/22/17 - #297863 - DIR	168.34	67.34		101.00	
Hoosier Times, INC	155381 08/31/17	Misc ads 08/02-08/29/17 - #303269, 304954, 320210, 320215 - DIR	568.31	295.67		272.64	
HP Products Corporation	I3160531	2 cs Can liners, 2 cs kleenex - DR	148.82			148.82	
HP Products Corporation	I3166914	Towels, hot cups, c-fold towels, accuwipes, tissue & misc - BP	562.75			562.75	
HP Products Corporation	I3167632	1 cs Kimtech pure 06121 wiper 400/cs - MN	202.25	202.25			
HP Products Corporation	I3169695	1 cs C-pull scottpure wiper - MN	208.33	208.33			
Indiana Oxygen Co	08461417	Monthly cylinder rental @ Dillman WWTP - DR	145.33			145.33	

City of Bloomington Utilities
Accounts Payable by G/L Distribution Report
Paydate: 10/06/17

Vendor	Invoice No.	Invoice Description	Invoice Amount	Water O&M	Water Construction	Wastewater O&M	Stormwater O&M
Indiana University Health Bloomington, INC	00054293-00	Drug screen DOT 5 Panel E Screen for 1 TD employee 08/17/17-TD	43.00	17.20		25.80	
Indiana University Health Bloomington, INC	00054296-00	Drug screen alcohol non DOT for 1 T&D employee - 08/17/17 - TD	40.00	16.00		24.00	
Indiana University Health Bloomington, INC	00054297-00	Drug screen DOT 5 Panel E Screen for 1 TD employee 08/17/17-TD	43.00	17.20		25.80	
Indiana University Health Bloomington, INC	00054298-00	Drug screen DOT 5 Panel E Screen for 1 TD employee 08/17/17-TD	43.00	17.20		25.80	
Indiana University Health Bloomington, INC	00054299-00	Drug screen DOT 5 Panel E Screen for 1 TD employee 08/17/17-TD	43.00	17.20		25.80	
Indiana University Health Bloomington, INC	00055216-00	Admin toxoid single, Hep B for 1 Dillman employee-08/29/17-DR	93.00			93.00	
Indiana Water Environment Association, INC (IWEA)	34058	PUR17-315 IWEA 2017 Conference registrations - 20 employees	4,850.00	1,124.00		3,726.00	
Industrial Service & Supply, INC	51851	Pressure guage, reducer bushing for backflow devices - BP	74.79			74.79	
Industrial Service & Supply, INC	51916	4 Round hole steel strain, cam-lock - DR	53.48			53.48	
Interstate All Battery Center of Bloomington, INC	1903301007115	3 Pure 250 faston batteries for emergency lights - DR	66.60			66.60	
Interstate All Battery Center of Bloomington, INC	1903301007135	4 6V 4.5AH SLA 187 Faston for emergency lights - DR	47.40			47.40	
Interstate All Battery Center of Bloomington, INC	1903302008011	3.6v 1/2AA Lithium battery for flow data logger - ENG	5.98	5.98			
Irving Materials, INC	10461703	Bin Block - Full - To build storage bins on the hill - TD	1,000.00	400.00		550.00	50.00
Irving Materials, INC	10462429	Bin Block - 1/2 - Block - To build storage bins on the hill - TD	120.00	48.00		66.00	6.00
Irving Materials, INC	10463210	Concrete - Water line - E Heather Dr & S Grasstree Ct - TD	768.00	768.00			
Irving Materials, INC	10464012	Concrete - Sewer - S Olcott Blvd & E William Ct - TD	219.00			219.00	
J&S Locksmith Shop, INC	171649	Blade, ride plate, nut for weed eater - MN	31.27	31.27			
J.R. Watkins & Family, INC (Signs Now)	16527	ADMIN17-110 Pot/pan scrapers for FOG program	487.47			487.47	
JB Salvage (Westside Auto Parts)	35182	MN17-386 3/16"x5"x20' steel stock for bobcat endloader bucket	30.75	30.75			
JCI Jones Chemicals, INC	733691	Sodium hypochlorite - 4,503 @ .7500 delivered 09/07/17 - MN	3,377.25	3,377.25			
JCI Jones Chemicals, INC	733946	Sodium hydroxide - 11,9185 @ 524.00 delivered 09/11/17 - MN	6,245.29	6,245.29			
JCI Jones Chemicals, INC	734088	Sodium hypochlorite - 4,596 @ .7500 delivered 09/13/17 - MN	3,447.00	3,447.00			
JCI Jones Chemicals, INC	734333	Sodium hypochlorite - 4,592 @ .7500 delivered 09/14/17 - MN	3,444.00	3,444.00			
JCI Jones Chemicals, INC	734439	Sodium hypochlorite - 4,183 @ .7500 delivered 09/15/17 - DR	3,137.25			3,137.25	
Jeffery D Todd (Todd Septic Tank Service)	6300	Pump & remove waste from pond on 08/16 & 08/19/17 - MN	3,800.00	3,800.00			
John Deere Financial (Rural King)	JRNL#54034/62	Welding flux, welding helmet, head gear, weed killer - MN	173.96	173.96			

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Vendor	Invoice No.	Invoice Description	Invoice Amount	Water O&M	Water Construction	Wastewater O&M	Stormwater O&M
John Deere Financial (Rural King)	JRNL#H52228/62	Misc sockets for truck #631 & 616 - SW, TD	97.87	39.15		53.83	4.89
Kirby Risk Corp	S109455043.001	50 LED replacement light bulbs - MN	520.00	520.00			
Kleindorfer Hardware & Variety	08/25/17 CBU	Misc parts & supplles - 07/26-08/25/17 - SC,PUR,MN,TD,MS,BP,DR	2,700.20	1,371.92		1,241.21	87.07
Komline Sanderson Engineering Corporation	42036451	BP17-177 Air cylinder, 4X3, Phenolic, Steering	1,282.67			1,282.67	
Koorsen Fire & Security, INC	PINV045177	Fire alarm monitoring @ Service Cntr - 10/01-12/31/17 - SC	95.97	38.39		57.58	
Kriste Jo Lindberg	ENG17-074	Travel reim. while attending INAFSM Conf in South Bend-DIR	188.68				188.68
Kroger Limited Partnership I	131147	Food and soda for LMC training on 09/13/17 - DR	9.17			9.17	
Lawson Products, INC	9305209282	Misc caps, drill blts, sockets, wasp killer, safety glasses - MN	1,270.81	1,270.81			
Lawson Products, INC	9305216671	5 Hardflex hacksaw blades 12" - MN	18.44	18.44			
Lightning Electrical Distributors, INC	1955	DM17-100 CRI 4100K lamp; metal halide mog univ; photocell button	449.61			449.61	
Menards, INC	72627	Pen lights, vice grips, pliers, screwdrivers - MS, TD	102.78	41.11		61.67	
Menards, INC	72825	Channel lock pliers, fittings, shower head, treated lumber - MN	89.67	89.67			
Menards, INC	73266	Couplings, adapters, valves, elbows, tee's, tubing & misc - MN	213.95	213.95			
Menards, INC	73448	Misc elbows, switch covers, valve, coupler, adapter - MN	17.73	17.73			
Menards, INC	73830	Snap rings, impact driver 18v - BP	259.58			259.58	
Menards, INC	73841	Bulls eye 1-2-3 primer, 18V Li-ion battery - DR	169.97			169.97	
Menards, INC	74113	Tank sprayer, brush, adapters, couplings, risers & misc - MN	134.04	134.04			
Milestone Contractors, LP	111993	Asphalt - Water line - 8/21-8/29/2017 - TD	2,986.26	2,986.26			
Milestone Contractors, LP	112015	Asphalt - Water line - 8/30/2017 - TD	825.60	825.60			
Milestone Contractors, LP	112347	Asphalt - Water line - 9/11/2017 - TD	239.52	239.52			
Monroe County Government	092017-COBU	Misc coples made - 08/04-08/23/17 - ENG	31.00	12.40		18.60	
Nolan Hunt Hendon	ADMIN17-135	Parking reimbursement while attending IWEA - Indpls 08/22/17-DIR	28.00	28.00			
Nugent, INC (Utility Supply Company)	1225592	PUR17-351 1" brass ball corps; Part# D-002 (50)	2,194.00	2,194.00			
Nugent, INC (Utility Supply Company)	1225593	PUR17-331 8" Mueller gate valve (1); 6" Mueller gate valve (4)	2,812.27	2,812.27			
Nugent, INC (Utility Supply Company)	1226057	PUR17-331 Tees, gaskets, tapping valves	18,755.95	18,755.95			
Nugent, INC (Utility Supply Company)	1226058	PUR17-354 Iron meter bar w/ stabilizing prong	807.00	807.00			
Nugent, INC (Utility Supply Company)	1226905	PUR17-331 5 ft bury 6 MJ shoel/acc; vestal short ring & lid	11,692.96	11,692.96			
Nugent, INC (Utility Supply Company)	1227962	PUR17-331 1 1/2 Mueller flare x fip ball burb valve (6)	884.88	884.88			
Pace Analytical Services, INC	1750070759	6 Low-level mercury analysis - Influent & effluent - DR	540.00			540.00	
Parkson Corporation	AR1/51019765	PUR17-390 Upper guide rail kits incl 3 spacers & hardware	1,472.85			1,472.85	
Pitney Bowes, INC	2082223509/17	Reserve account postage #20822235 May-June 2017 - ACCT	2,287.93	929.03		1,358.90	

City of Bloomington Utilities
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Paydate: 10/06/17

Vendor	Invoice No.	Invoice Description	Invoice Amount	Water O&M	Water Construction	Wastewater O&M	Stormwater O&M
Pitney Bowes, INC	20822235 10/17	Reserve account postage #20822235 July-August 2017 - ACCT	3,409.14	1,379.74		2,029.40	
Richard's Small Engine, INC	278326	Square magnum gatorline for weedeater - DR	45.95			45.95	
Rogers Group, INC	0071160874	W17-4105 - #11, #53 Stone - S Clifton - 8/21-8/25/2017 - TD	1,482.80	1,482.80			
Rogers Group, INC	0071161035	W17-4105 - #11, #53 Stone - Stock, S Clifton - 8/28-8/30/17 TD	1,237.55	991.74		245.81	
Rogers Group, INC	0071161173	#11, #53 Stone - Stock - 9/5-9/6/2017 - TD	847.76	339.10		508.66	
Sal Chemical Co., INC	172780	Sodium bisulfite - 33,760 @ .1230 delivered 09/05/17 - DR	4,152.48			4,152.48	
Sensus USA, INC	VV17000306	TD17-345 Repair hand held #11	540.95	216.38		324.57	
Shambaugh & Son, LP (Precision Controls of Indv)	16485878	MN16-305 Surge protection part; installation 3 hrs. 11/11/16	492.00	492.00			
Shambaugh & Son, LP (Precision Controls of Indv)	16497132	DR17-125 Lift pump #4; SCADA; filter backwash 11/29/16	624.00			624.00	
Shambaugh & Son, LP (Precision Controls of Indv)	16497198	DR17-126 Audible alarm; filter operation; flow mtr 12/14/16	520.00			520.00	
Shambaugh & Son, LP (Precision Controls of Indv)	16497204	MN17-375 PLC/filters issue; 2 hrs Mark Osborne 12/15/16	208.00	208.00			
Shambaugh & Son, LP (Precision Controls of Indv)	16497988	DR16-090 Part for SCADA system to #4 filter	200.00			200.00	
Shambaugh & Son, LP (Precision Controls of Indv)	16499745	DM17-007 Vacuum pump for lab repair; on light burned out 01/12/17	104.00			104.00	
Shambaugh & Son, LP (Precision Controls of Indv)	16504317	BP17-171 Flow meters calibrated 09/06/17	331.00			331.00	
Shambaugh & Son, LP (Precision Controls of Indv)	16505081	BP17-173B Installed sludge meters in belt press lines	12,560.00			12,560.00	
Shapiro, Jule Lynn	ADMIN17-153	Mileage while driving to Dillman WWTP 07/27-09/08/17-DIR	27.00			27.00	
South Central Community Action Program INC	2017-08	Admin expense for Assistance Program - August 2017 - ACCT	236.12	94.45		129.87	11.80
Staples Contract & Commercial, INC	3349306902	#207 Gel pens, file sorter, expan file, adding tape - ACCT	56.12	22.45		33.67	
Staples Contract & Commercial, INC	3349920933	Paper cone cups, blue copy paper - DIR	95.43	38.18		52.59	4.66
Staples Contract & Commercial, INC	3351871304	Bic brite highlighters - ACCT	6.92	2.77		4.15	
Staples Contract & Commercial, INC	3352376231	Phone wipes - ENG	1.07	.43		.64	
Staples Contract & Commercial, INC	3352376232	Dust-off, flare tip pens, correction tape, file folders - ENG	21.73	8.69		13.04	
State Of Indiana	08/07/17 CBU	Water usage - 07/01-07/31/17 - MN	16,555.61	16,555.61			
State Of Indiana	09/13/17 CBU	Water usage - 06/01-06/30/17 - MN	16,196.96	16,196.96			
State Of Indiana	777606-1	2017 Certificate for elevator inspection @ Dillman-777606-DR	120.00			120.00	
Sunbelt Rentals, INC	72169888-001	16" Diamond blade for truck #629 - SW, TD	125.00	50.00		68.75	6.25

City of Bloomington Utilities
Accounts Payable by G/L Distribution Report
Paydate: 10/06/17

Vendor	Invoice No.	Invoice Description	Invoice Amount	Water O&M	Water Construction	Wastewater O&M	Stormwater O&M
Synchrony Bank	ENG17-063	ENG17-063 mk550 Logitech Wireless #111-2084528-5541032	43.99	17.60		26.39	
Tri-State Bearing Co, INC	302411-00	Bearings for bar screen @ lift station - BP	313.24			313.24	
United Parcel Service, INC	0000430948367	Shipping charges - 09/05-09/06/17 - MS, DIR, PUR	86.89	37.93		48.96	
Utility Pipe Sales Co, INC	IN063635	PUR17-303 Various inventory parts including tees & valves	1,986.75	1,986.75			
Utility Pipe Sales Co, INC	IN063912	PUR17-303 Brass swivel female elbows, various sizes ball valves	10,011.70	10,011.70			
Utility Pipe Sales Co, INC	IN064090	PUR17-285 60' roll 1" copper type K soft	1,017.00	1,017.00			
Utility Pipe Sales Co, INC	IN064091	PUR17-353 Various sizes of Hymax grip couplings with restraints	2,845.00	2,845.00			
Utility Pipe Sales Co, INC	IN064414	PUR17-378 Bolts, couplings, flare nut thread, hex bushings	2,040.00	2,040.00			
Van Ausdall & Farrar, INC	255344	PUR17-411 - Copier overage charges 04/01-0630/17	1,622.13	648.85		973.28	
Van Ausdall & Farrar, INC	262013	Contract charge for copier @ Blucher 09/05/17-09/04/18-PUR	1,073.16			1,073.16	
Virtuoso Sourcing Group, LLC	23805	Collection agency fee - 09/07/17 - AR	8.62	3.45		5.17	
Virtuoso Sourcing Group, LLC	23806	Collection agency fee - 09/14/17 - AR	12.28	4.91		7.37	
VWR International, LLC	8049722359	ENG17-044 Pressure data logger 0-350 PSIA (2)	817.50	817.50			
W.W. Grainger, INC	9539802299	TD17-362 Cooling fans for Fieldstone lift station & WW stock	73.32			73.32	
W.W. Grainger, INC	9541708187	DM17-101 Rubber, Buna 3/8", 36" x 10 ft.	800.12			800.12	
Whiffen Machine And Press Repair, INC	6905	BP17-174 Repaired bar screen at lift station; Bottom Rd plant	712.86			712.86	
Young Trucking, INC	93569	Hauling sludge from Blucher Poole - 07/18-07/21/17 - BP, ENV	1,482.79			1,482.79	
Young Trucking, INC	94184	Hauling sludge from Dillman WWTP - 08/29/17 - DR, ENV	5,446.04			5,446.04	
Young Trucking, INC	94272	Hauling sludge from Blucher Poole - 09/01-09/08/17 - BP, ENV	1,797.97			1,797.97	
Young Trucking, INC	94273	Hauling sludge from Dillman WWTP - 09/08/17 - DR, ENV	4,742.88			4,742.88	
Grand total:			439,432.80	358,523.16	526.54	79,590.42	792.68

**UTILITIES SERVICE BOARD MOTION
MEETING ON OCTOBER 02, 2017
UTILITY BILLS**

To:	Utilities Service Board	From:	Kim Robertson
Dept.		Dept.	Accounts Payable
Sub:	Claims list filed: 09/25/17	Date:	09/25/17
	USB: 10/2/2017		
	For Period: 09/13/17 - 09/25/17	Paydate:	09/26/17
	G/L Date: 09/26/17		

Utilities Department invoices filed with the City Controller September 25, 2017 and signed by the Utilities Service Board for payment September 26, 2017 as in accordance with the Utilities Service Board Resolution of August 7, 1973, be hereby approved and entered into the minutes of today's meeting. A copy of the list is filed, with any exceptions noted, is hereby attached and made a part of these proceedings.

Water Operations & Maintenance	5,504.77
Water Construction	0.00
Water Meter Deposit	0.00
Water Sinking	0.00
Water Hydrant Meter Rental	0.00
Total of Water Utilities as per the invoice list:	<u><u>\$5,504.77</u></u>
Wastewater Operations & Maintenance	5,543.84
Wastewater Construction	0.00
Wastewater Sinking	0.00
Total of Wastewater Utilities as per the invoice list:	<u><u>\$5,543.84</u></u>
Stormwater	0.00
Stormwater Construction	0.00
Total of Stormwater Utility as per the invoice list:	<u><u>\$0.00</u></u>
Total Water Utility:	<u><u>\$5,504.77</u></u>
Total Wastewater Utility:	<u><u>\$5,543.84</u></u>
Total Stormwater Utility:	<u><u>\$0.00</u></u>
TOTAL WATER, WASTEWATER & STORMWATER UTILITIES	<u><u>\$11,048.61</u></u>

City of Bloomington Utilities
Accounts Payable by G/L Distribution Report
Paydate: 09/26/17

Utility Bills

Vendor	Invoice No.	Invoice Description	Invoice Amount	Water O&M	Wastewater O&M
AT&T	09/09/17	Long distance charges - August 2017 - BP, DR, MN	9.91	3.21	6.70
AT&T	8123347689 09/17	Service - Utilities - 09/07-10/06/17 - SC	137.85	55.14	82.71
AT&T Mobility II, LLC	09/11/17	Service - 08/12-09/11/17 - DIR,PUR,COMM,MN,TD,BS,MS,ENG,DR,BP,LS	2,019.67	680.65	1,339.02
DirecTV, LLC	32339158365	Service - Blucher WWTP - 09/10-10/09/17 - BP	61.99		61.99
DirecTV, LLC	32355203497	Service - Dillman WWTP - 09/12-10/11/17 - DR	57.99		57.99
DirecTV, LLC	32355586765	Service - Monroe WTP - 09/12-10/11/17 - MN	57.99	57.99	
Duke Energy	09/26/17	Service - Aug - Sept 2017 - LS, BS, GR, SC, TD, WT	2,905.02	2,039.21	865.81
Duke Energy	41003538018 9/17	Service - 07/14 - 09/07/17 - BS, TD, LS	5,093.00	2,322.26	2,770.74
Smithville Telephone Co Inc	824-1616 09/17	Service - SE Pumping Station - 08/20-09/19/17 - BS	96.58	96.58	
Vectren	N0814658 09/17	Service - S Central Booster Station - 08/07-09/07/17 - BS	17.00	17.00	
Vectren	N1035813 09/17	Service - Monroe WTP - 08/03-09/05/17 - MN	99.22	99.22	
Vectren	N1059811 09/17	Service - Dillman WWTP - 08/02-09/05/17 - DR	158.61		158.61
Vectren	N1078457 09/17	Service - Service Center - 8/07-09/07/17 - SC	316.78	126.71	190.07
Vectren	N1244359 09/17	Service - Washington St Storage - 08/07-09/07/17 - SC	17.00	6.80	10.20
Grand total:			<u>11,048.61</u>	<u>5,504.77</u>	<u>5,543.84</u>

WIRE TRANSFERS, FEES & PAYROLL FOR THE MONTH OF SEPTEMBER, 2017

INDIANA DEPARTMENT OF REVENUE \$0.00
(SALES TAX - AUGUST, 2017)

INDIANA DEPARTMENT OF REVENUE - RECEIPTS TAX \$0.00
3RD QUARTER UTILITY RECEIPTS TAX

NPC \$0.00
CHARGE CARD FEES - AUGUST, 2017

FIRST FINANCIAL \$0.00
ACCOUNT ANALYSIS FEES - AUGUST, 2017

GROSS PAYROLL \$298,054.28

9/29/2017

FICA TAX \$21,479.97

9/29/2017

TOTAL \$319,534.25

**UTILITIES SERVICE BOARD MOTION
MEETING ON OCTOBER 02, 2017
CUSTOMER REFUNDS**

To:	Utilities Service Board	From:	Kim Robertson
Dept.		Dept.	Accounts Payable
Sub:	Claims list filed: 09/22/17	Date:	09/22/17
	USB: 10/02/2017		
	For Period: 09/12/17 - 09/22/17	Paydate:	10/06/17
	G/L Date: 10/06/17		

Utilities Department customer refunds filed with the City Controller September 22, 2017 and signed by the Utilities Service Board for payment October 06, 2017 as in accordance with the Utilities Service Board Resolution of August 7, 1973, be hereby approved and entered into the minutes of today's meeting. A copy of the list is filed, with any exceptions noted, is hereby attached and made a part of these proceedings.

Water Operations & Maintenance	47.70
Water Construction	0.00
Water Meter Deposit	0.00
Water Sinking	0.00
Water Hydrant Meter Rental	0.00
 Total of Water Utilities as per the invoice list:	 <u><u>\$47.70</u></u>
 Wastewater Operations & Maintenance	 115.16
Wastewater Construction	0.00
Wastewater Sinking	0.00
 Total of Wastewater Utilities as per the invoice list:	 <u><u>\$115.16</u></u>
 Stormwater	 0.00
Stormwater Construction	0.00
 Total of Stormwater Utility as per the invoice list:	 <u><u>\$0.00</u></u>
 Total Water Utility:	 <u><u>\$47.70</u></u>
 Total Wastewater Utility:	 <u><u>\$115.16</u></u>
 Total Stormwater Utility:	 <u><u>\$0.00</u></u>
 TOTAL WATER, WASTEWATER & STORMWATER UTILITIES	 <u><u>\$162.86</u></u>

City of Bloomington Utilities
 Accounts Payable by G/L Distribution Report
 Paydate: 10/06/17

Vendor	Invoice No.	Invoice Description	Invoice Amount	Check No.	Reason for refund	Water Funds	Wastewater Funds	Stormwater Funds
Katherine Emmert	10026-009	Customer refund	\$47.70	24974	Meter misread adjustment on final bill	\$47.70		
Leslie Hanlon	17086-017	Customer refund	\$17.64	24975	Overpayment on August 2017 bill		\$17.64	
Samantha Jean Michael	5150-003	Customer refund	\$17.64	24976	Overpayment on August 2017 bill		\$17.64	
Signature Realty Services	46509-005	Customer refund	\$21.61	24977	Overpayment on August 2017 bill		\$21.61	
Wuchen Yang	1874-023	Customer refund	\$58.27	24978	Overpayment since April 2017 bill		\$58.27	
			<u>\$162.86</u>			<u>\$47.70</u>	<u>\$115.16</u>	<u>\$0.00</u>
			<u>\$162.86</u>					

BLOOMINGTON INDUSTRIAL WASTE PRETREATMENT PERMIT

UTILITIES SERVICE BOARD
AUTHORIZATION TO DISCHARGE UNDER THE
CITY OF BLOOMINGTON PRETREATMENT PROGRAM

AB BioTechnologies, Inc., in accordance with the provisions of the City of Bloomington Municipal Code (Title 10), is authorized to discharge from its pharmaceutical manufacturing plant, located at 3770 W. Jonathan Dr., Bloomington, Indiana, into the City of Bloomington wastewater treatment system. The permittee is required to comply with effluent limitations, monitoring requirements, and other conditions set forth in Parts I and II hereof.

The permit shall become effective on the date of signature of the President of the Utilities Service Board.

This permit and the authorization to discharge shall expire at midnight **October 1, 2022**. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as are required by the Utilities Service Board.

This permit cannot be transferred to any other owner, tenant, successor or assign.

Signed this 2nd day of October, 2017, for the Utilities Service Board.

Samuel K. Frank, President
Utilities Service Board

**Industrial Waste Pretreatment Permit
AB BioTechnologies, Inc.**

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge from Outfall 001 and Outfall 002. Such discharge shall be limited to and monitored by the permittee as specified below:

**a. Outfall 001 – Manhole #12231
Baseline Monitoring Reporting Requirements***

Parameter	Daily Max (mg/l)	Monthly Average (mg/l)	Measurement Frequency	Sample Type	Analytical Method	Detection Limit (mg/l)
Flow	---	---	When Sampling	Continuous		
Acetone	20.7	8.2	Monthly	Grab	524.2	0.05
N-Amyl acetate	20.7	8.2	Monthly	Grab	1666	0.05
Ethyl acetate	20.7	8.2	Monthly	Grab	1666	0.05
Isopropyl acetate	20.7	8.2	Monthly	Grab	1666	0.05
Methylene chloride	3.0	0.7	Monthly	Grab	524.2	0.05
Cyanide	0.2	---	Weekly for 4 Weeks	Grab	4500 CN E	0.01
Phenols (T)	----	----	Weekly for 4 Weeks	Grab	604	0.00014
Oil and grease	150	---	Weekly for 4 Weeks	Grab	1664A	1.4
Sulfide	---	---	Weekly for 4 Weeks	Grab	4500S	0.006
VOCs	----	---	Weekly for 4 Weeks	Grab	624	0.0016
pH	5.0 – 10.0	---	When Sampling	Grab	4500 H+B	0.1

*Baseline Monitoring Reporting Requirements are in effect from date of commencement of discharge from manufacturing and/or QA/QC laboratory processes and 90 days thereafter only.

**b. (i) Outfall 001 – Manhole #12231
Ongoing Monitoring Requirements*
Drug Product Fill Finish Process**

Parameter	Daily Max (mg/l)	Monthly Average (mg/l)	Measurement Frequency	Sample Type	Analytical Method	Detection Limit (mg/l)
Flow	---	---	When Sampling	Continuous		
Acetone	20.7	8.2	Quarterly	Grab	524.2	0.05
N-Amyl acetate	20.7	8.2	Quarterly	Grab	1666	0.05
Ethyl acetate	20.7	8.2	Quarterly	Grab	1666	0.05
Isopropyl acetate	20.7	8.2	Quarterly	Grab	1666	0.05
Methylene chloride	3.0	0.7	Quarterly	Grab	524.2	0.05
pH	5.0 – 10.0	----	When Sampling	Grab	4500 H+B	0.1

*Ongoing Monitoring Requirements are in effect from the date of commencement of discharge from manufacturing and/or QA/QC laboratory processes through the expiration date of the permit. Sampling must be completed separately for contaminants that have monitoring requirements for both Baseline Monitoring Reporting and Ongoing Monitoring. One sample cannot be used to meet both of these monitoring requirements.

(1) All pollutant discharge limits are taken from 40 CFR, Part 439.47, the federal pretreatment standards for Pharmaceutical Manufacturing Subpart D, Mixing/Compounding and Formulation and Title 10 of the Bloomington Municipal Code.

(ii) Outfall 002 – Manhole #12232

Ongoing Monitoring Requirements*

Local Limits

Parameter	Daily Max (mg/l)	Measurement Frequency	Sample Type	Analytical Method	Detection Limit (mg/l)
Arsenic	0.14	2 X Annually***	Composite	200.7	0.008
Cadmium	0.11	2 X Annually	Composite	200.7	0.001
Chromium	1.53	2 X Annually	Composite	200.7	0.004
Copper	2.07	2 X Annually	Composite	200.7	0.003
Cyanide	0.24	2 X Annually	Grab	4500 CN E	0.02
Lead	0.20	2 X Annually	Composite	200.7	0.01
Mercury	0.00014	2 X Annually	Grab	1631E	0.000002
Molybdenum	0.17	2 X Annually	Composite	200.7	0.004
Nickel	2.14	2 X Annually	Composite	200.7	0.005
Oil and grease	150	2 X Annually	Grab	1664A	10
PCBs	0.0001**	2 X Annually	Grab	608	0.0001
Phosphorus (T)	17	2 X Annually	Grab	4500-P	0.2
Selenium	0.14	2 X Annually	Composite	200.7	0.02
Silver	0.55	2 X Annually	Composite	200.7	0.002
Zinc	1.00	2 X Annually	Composite	200.7	0.002
pH	5.0 – 10.0	When Sampling	Grab	4500 H+B	0.1
Temperature	140°F or 60°C	Monthly	Grab	2550B	0.1°C
Flow	4750 gpd	When Sampling			

*Ongoing Monitoring Requirements are in effect from the date of commencement of discharge through the expiration date of the permit.

**The limitation for PCBs is less than the limit of detection (LOD). Compliance with these effluent limitations will be demonstrated if the measured effluent concentrations are less than the limit of quantitation (LOQ).

***Parameters which are to be analyzed twice annually shall be done during the months of June and December. In the event that any pollutant limitation is exceeded, more frequent sampling of the regulated wastewater may be required.

(1) All Local Limits are taken from Title 10 of the Bloomington Municipal Code. Local Limits must be sampled at Manhole #12232.

(2) Outfall 001 – Manhole #12231 receives wastewater from domestic sanitary sources, floor cleaning solutions, manufacturing wastewater, RO/WFI system, boiler blowdown, QA/QC laboratories, and R&D laboratories.

(3) Outfall 002 – Manhole #12232 is designated as the combined total of all wastewaters generated from the wastewater pretreatment facilities and non-process wastewater at its outfall to the City's wastewater system.

(4) The combination of all wastewaters flowing from the facility shall conform to City of Bloomington Utilities Rules, Regulations and Standards of Service dated April 7, 2003, which may be amended by the Utilities Service Board of Bloomington, Indiana from time to time.

B. MONITORING AND REPORTING

1. Representative Sampling

A representative sample is a sample from a wastestream that is as nearly identical as possible in composition to that in the larger volume of wastewater being discharged and typical of the discharge from the facility on a normal operating day. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. In other words, samples and measurements shall be taken during the permittee's normal working hours.

2. Sample collection and handling

Samples collected as required herein shall be preserved and shipped for analysis in accordance with procedures outlined in Volume 40, Code of Federal Regulations, Part 136.

3. Reporting

The permittee shall submit monitoring reports to the Utilities Service Board containing results obtained during the previous month and shall be postmarked no later than the 28th day of the month following each completed monitoring period. The report shall include SDSs for any new pharmaceuticals produced and any new chemicals and/or contaminants discharged to the sanitary sewer since the previous report. All new chemicals and/or contaminants discharged to the sanitary sewer must be reported a minimum of 30 days prior to the commencement of their discharge. In addition, SDSs for new chemicals discharged to the sanitary sewer system must be submitted a minimum of 30 days prior to the commencement of their discharge.

All reports shall be sent by mail to the following address:

Pretreatment Coordinator
City of Bloomington Utilities
P. O. Box 1216
Bloomington, IN 47402-1216

4. Sampling Violations

If sampling performed by the permittee indicates a violation, the user shall notify the Pretreatment Coordinator or the Deputy Director within 24 hours of becoming aware of the violation. Notification by telephone voicemail is acceptable. The permittee shall also repeat the sampling, within 30 days after becoming aware of the violation, and analysis and submit the results of the repeat analysis.

Pretreatment Coordinator
City of Bloomington Utilities
(812) 349-3946

Deputy Director
City of Bloomington Utilities
(812) 349-3656

5. Definitions

a. Effluent Limitations

(1) The monthly average maximum means the arithmetic mean of the parameter values for the effluent samples collected in a calendar month shall not exceed the monthly averages contained in the Discharge Limitation Section, Part I-A-1 of this permit for concentration and/or quantity.

(2) The daily maximum means the concentration value which shall not be exceeded for any singular grab or any composite effluent sample taken during any calendar day.

b. Average Discharge Limitation

(1) Weight Basis - The average discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was discharging. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.

(2) Concentration Basis - The average concentration means the arithmetic average (proportional to flow) of all daily determinations of concentration made during a calendar month. Daily determinations of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily determination of concentration shall be the arithmetic average (weighted by flow value) of all the samples collected during the calendar day.

c. Maximum Discharge Limitation

(1) Weight Basis - The maximum discharge means the total discharge by weight during any calendar day.

(2) Concentration Basis - The maximum concentration means the daily determination of concentration for any calendar day.

d. Sample Type

(1) Grab samples are individual samples collected over a period of time not to exceed 15 minutes. Grab samples shall be taken manually from the effluent of the wastewater pretreatment systems. The sample volume depends on the analyses to be performed.

(2) Composite samples shall be interpreted as a composite of individual aliquot samples taken during wastewater processing hours of the facility and representative of the entire process flow. Individual aliquot samples shall be collected using the flow proportional sampling method where the sample volume is constant and the time interval between samples is proportional to stream flow. Individual aliquot sample volumes shall be dependent on the total volume of sample needed to analyze all required parameters.

e. Upset

The term upset shall mean an exceptional incident in which there is unintentional and temporary noncompliance with categorical standards due to factors beyond the reasonable control of the discharger. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance or careless or improper operation. The upset provision is further defined in 40 CFR 403.16.

f. Bypass

Bypass means the intentional diversion of wastestreams from any portion of the permittee's treatment facility as specified in 40 CFR 403.17.

g. Slug Discharge

A slug discharge is defined as any discharge of a non-routine, episodic discharge, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through or in any other way violate the Publicly Owned Treatment Works' (POTW) NPDES permit and regulations, as well as Local Limits, discharger permit conditions or prohibited discharge standards listed in Bloomington Municipal Code Chapter 10.12.

6. Test Procedures

Analytical procedures for samples of pollutants required herein shall conform to regulations published pursuant to Volume 40, Code of Federal Regulations, Part 136.

7. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain a Chain of Custody record which contains the following information:

- a. The date, exact place, method, and time of sampling;
- b. The name(s) and signature(s) of the person(s) who collected the sample;
- c. The name(s) and signature(s) of the person(s) who transported and received the sample;
- d. The dates the analyses were performed;
- e. The person(s) who performed the analyses;
- f. The analytical techniques or methods used

All analytical data submitted to CBU must be accompanied with the laboratory report and chain of custody. The laboratory report must include the analytical techniques or methods used and the laboratory detection limit for each analysis performed.

8. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the

Utilities Service Board Monthly Monitoring Report. Reasons for such increased frequency shall also be indicated.

9. Records Retention

All records and information resulting from the monitoring activities required by this permit, including all records of analyses performed and calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of three (3) years. This retention period may be extended during the course of any unresolved litigation regarding the discharge of pollutants by the permittee or when requested by the Utilities Service Board.

C. SCHEDULE OF COMPLIANCE

1. AB BioTechnologies, Inc. must submit a Slug Control Plan for approval within 30 days of the issuance of this permit.

D. ADDITIONAL REPORTING REQUIREMENTS FOR PERMITTEE/ DISCHARGER

1. Baseline Report - 40 CFR Part 403.12(b)

Within 180 days after the effective date of a Categorical Pretreatment Standard, or 180 days after the final administrative decision made on a category, whichever is later, existing industrial users subject to such Categorical Pretreatment Standards and currently discharging to or scheduled to discharge to a POTW (Publicly Owned Treatment Works) will be required to submit to the Utilities Service Board a report containing the information listed in paragraph (b) (1)-(7) of 403.12(b).

2. Compliance Date Report - 40 CFR Part 403.12(d)

Within 90 days following the date for final compliance with an applicable pretreatment standard, or within 90 days following commencement of the introduction of wastewater into the POTW by a new discharger, any industrial user subject to those standards must submit to the Utilities Service Board a report indicating the nature and concentration of all pollutants in the discharge and the average and maximum daily flow in gallons.

The report must also state whether applicable standards are being met on a consistent basis and, if not, what additional operation and maintenance and/or pretreatment is necessary to bring the discharge into compliance with the applicable pretreatment standards or requirements. This statement must be signed by an authorized representative of the industrial user and certified to by a qualified engineer.

3. Periodic Reports on Continued Compliance - 40 CFR Part 403.12(e)

The permittee, being subject to an applicable pretreatment standard, must submit to the Utilities Service Board, hereinafter known as the Board, no later than the 28th day of the month following each completed monitoring period, a report indicating the nature and concentration of prohibited or regulated substances in the discharge which are limited by the industrial wastewater pretreatment permit and by the Categorical Pretreatment Standards. These regulated are listed in Part I-A-1 of this permit. In addition, this report must include a record of all measured or estimated average and maximum daily flows during the reporting period. Flows are to be reported on the basis of actual measurement, except, where cost or feasibility considerations justify, the Board may accept reports of average and maximum flows estimated by verifiable techniques. The Board, considering such factors as local high or low flow rates, holidays,

budget cycles, or other extenuating factors may authorize submission of the reports on months other than those specified above.

E. REOPENING CLAUSE

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent limitation or standard issued or approved under section 307 (b) of the Clean Water Act, if the effluent limitation or standard so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
2. Controls any pollutant not limited in the permit.

The permit, as modified or reissued under this paragraph, shall also contain any other requirements of the Act then applicable.

PART II

BLOOMINGTON INDUSTRIAL WASTE PRETREATMENT PERMIT

A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases or decreases by twenty percent or greater, water use increases or decreases by twenty percent or greater, or process modifications which will result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste pretreatment permit application prior to the changes being made or, if such changes will not violate the effluent limitations specified in this permit, by notice to the Utility Service Board of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited. Any change in discharge must also be reported to the authorized agent for the City listed under Part I-B-3, above.

The permittee shall promptly notify the Utilities Service Board in advance of any substantial change in the volume or character of pollutants in their discharge, including the listed or characteristic hazardous wastes for which the permittee has submitted initial notification under 40 CFR 403.12(p). The permittee must notify the Utilities Service Board of any planned significant changes to the permittee's operations or system which might alter the nature, quality, or volume of its wastewater at least sixty days before the change.

2. Containment Facilities

When cyanide or cyanogen compounds are used in any of the processes at this facility, the permittee shall provide approved facilities for the containment of any losses of these compounds in accordance with the requirements of 327 IAC 2-2-1.

3. Slug Control Plan

The permittee shall maintain, implement, and update as needed a slug control plan which aims to prevent an accidental discharge to the sanitary sewer system. The plan must meet the minimum requirements listed in 40 CFR 403.8(f)(2)(vi)(A-D). The plan must also contain all necessary information for employees regarding actions to take during and after a spill. A copy of the plan must be kept on file at all times and all relevant employees shall be trained annually on the slug control plan. Training logs with names of employees trained, dates of training, and subjects covered shall be kept on file for a minimum of three years. Inspection logs of chemical storage areas shall be kept on file for a minimum of three years. The plan must be updated when any changes occur at the facility that could affect the potential for a slug discharge. A copy of the revised slug control plan must be submitted to CBU within 30 days of the revisions.

4. Emergency Condition Notification

An emergency condition is the occurrence of an upset, bypass, or a slug discharge of substances regulated by this permit and/or regulated by 40 CFR Part 403.5, which may prohibit the permittee from complying with any limitation specified in this permit. In the event of an emergency condition, the permittee must provide the following information to the Utilities Service Board within **one hour** of discovery:

- (i) A description of the emergency condition, including the location, type of waste, concentration and volume; and cause of the emergency condition;
- (ii) The period of noncompliance, including exact dates and times or, if not yet corrected, the anticipated time the period of noncompliance is expected to continue;
- (iii) Steps being taken and/or planned to reduce, eliminate, and prevent recurrence of the emergency condition.

The permittee shall notify the Utilities Service Board by contacting one of the following persons within **one hour** of the discovery:

Deputy Director City of Bloomington Utilities (812) 349-3656 (812) 361-4939 (cell)	Pretreatment Coordinator City of Bloomington Utilities (812) 349-3946 (812) 327-5410 (cell)	Plant Superintendent Dillman Road WWTP (812) 824-4900 ext. 101 or 100 (812) 327-7146 (cell)
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24 hr. Utilities Service Center Operator: (812) 339-1444

If contact cannot be made by speaking directly with any of the personnel listed above (leaving a voicemail message is not sufficient), the permittee must call the 24 hr. Utilities Service Center number listed for assistance in contacting them.

The permittee's notification of emergency conditions to the City of Bloomington Utilities does not relieve it of any other reporting requirements that arise under local, state or federal laws.

In addition to notification by telephone, a detailed written submission must be provided within **five days**. The report shall include the information above as well as any new information that arises regarding the cause(s) of the slug discharge or emergency condition, and measures to be taken to prevent similar occurrences in the future.

Additionally, the permittee must immediately notify the Pretreatment Coordinator of any facility changes which might affect the potential for a slug discharge.

5. Operator Certification

The permittee shall have the waste treatment facilities under the direct supervision of an operator certified by the Indiana Department of Environmental Management as required by IC 13-18-11.

6. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible, all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

7. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the sewage treatment plant resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring necessary to determine the nature and impact of the noncomplying discharge.

8. Bypassing

Bypass means the intentional diversion of wastestreams from any portion of the permittee's treatment facility as specified in 40 CFR 403.17. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Pretreatment Coordinator, if possible at least 10 days before the date of the bypass. Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where it would be unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit.

9. Interference

Interference" means a discharge that, alone or in conjunction with a discharge or discharges from other sources, does one of the following:

- (1) inhibits or disrupts the POTW, its treatment processes or operations, its sludge processes, selected sludge use or disposal methods;
- (2) Causes a violation of any requirement of the POTW's NPDES permit, including an increase in the magnitude or duration of a violation;
- (3) Prevents the use of the POTW's sewage sludge or its sludge disposal method selected in compliance with the following statutory provisions, regulations, or permits issued thereunder, or any more stringent state or local regulations: Section 405 of the Act; the Solid Waste Disposal Act, including Title II commonly referred to as the Resource Conservation and Recovery Act (RCRA); the rules contained in any sludge management plan prepared pursuant to Subtitle D of the Solid Waste Disposal Act; the Clean Air Act; the Toxic Substances Control Act; and the Marine Protection, Research, and Sanctuaries Act.

10. Pass Through

Pass through is defined as a discharge which exits the POTW into waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of violation of any requirement of the POTW's NPDES permit, including an increase

in the magnitude or duration of violation. The permittee is prohibited from discharging any substance that would cause pass through at the POTW.

11. Removed Substances- Slug Discharges Prohibited

Solids, sludge, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters shall be disposed of in a manner such as to be in compliance with all Indiana statutory provisions and regulations relative to refuse, liquid and/or solid waste disposal. Slug discharges of substances regulated by this permit and/or Volume 40 Code of Federal Regulations Section 403.5 (b) and/or Bloomington Municipal Code Section 10.12 are prohibited and constitute a violation of this permit.

12. Power Failures

When a power source is used to operate wastewater treatment facilities in order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. Provide an alternative power source sufficient to operate facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, or

b. Upon the reduction, loss, or failure of one or more of the primary sources of power to facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, the permittee shall halt, reduce, or otherwise control production and/or discharge in order to maintain compliance with the effluent limitations and conditions of this permit.

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the Director of Utilities of the Utilities Service Board, and/or their authorized representatives and/or the authorized representatives of the City of Bloomington, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At any time to have access to and copy any records required to be kept under the terms or conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

This permit is not transferable and shall not be assigned to any other party.

3. Penalties for False Reporting

Knowingly making any false statement on any report required by this permit may result in the imposition of criminal penalties as provided for in Bloomington Municipal Code Title 10.16.070.

4. Permit Modification

After notice and opportunity for hearing, this permit may be modified, suspended, or revoked, in whole or in part, during its term for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5. Toxic Pollutants

Notwithstanding Part II-B-4 above, if a toxic effluent pretreatment standard or prohibition (including any schedule of compliance specified in such effluent pretreatment standard or prohibition) is established under Section 307 (b) of the Clean Water Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent pretreatment standard or prohibition and the permittee so notified.

6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II-A-8) and "Power Failures" (Part II-A-12), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond his control, such as accidents, equipment breakdowns, or labor disputes.

Violation of any term or condition of this permit is punishable by fine of not more than \$2,500 per violation pursuant to Bloomington Municipal Code Section 10.04.110 Penalties. In accordance with Bloomington Municipal Code Section 10.04.110, each day of non-compliance with a term or condition of this permit may be deemed a separate violation.

7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

8. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights or infringement of Federal, State, or local laws or regulations.

9. Severability

The provisions of this permit are severable and if any provision of this permit, or the application of any provision of this permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

10. Construction Permit

The permittee shall not construct, install, or modify any water pollution control facilities without compliance with Bloomington Municipal Code Section 10.16.

11: The lead environmental compliance manager at AB BioTechnologies, Inc. shall be required to tour the Dillman Road Wastewater Treatment Plant a minimum of one time during the duration of this permit. Facility tours may be arranged with the Dillman Road Superintendent by calling 812-824-4900.

12. Permit Renewal Application

The permittee shall apply for a permit renewal a minimum of 4 months prior to the expiration of the existing permit.

PRETREATMENT PERMIT BRIEFING MEMO

AB BioTechnologies, Inc.
Contact: Ben Lisby
3770 W. Jonathan Dr.
Bloomington, IN 47404
812-287-8493, ext. 106

Facility Description

AB BioTechnologies, Inc. is a contract service provider for the pharmaceutical and biotechnology industry. They perform pharmaceutical formulation development, analytical testing, and clinical manufacturing. In 2017, AB BioTechnologies, Inc. plans to begin pharmaceutical manufacturing operations. They will be manufacturing parenteral drugs by mixing and filling operations of liquid and/or lyophilized materials. The facility discharges the following sources of wastewater, in addition to process to the sanitary sewer: restrooms, research and development of pharmaceuticals, boiler blowdown, DO/WFI wastewater, and sanitary wastewater.

Discharge Description

Wastewater discharged from the manufacturing process will include sanitization water used to sterilize equipment, laboratory testing of the pharmaceutical products, and cleaning wastewater generated from cleaning the manufacturing rooms. Wastewater from the manufacturing process will be discharged to a vault to ensure wastewater is not discharged in excess of temperature requirements. This wastewater will then discharge to Sampling Manhole #1. Non-process wastewater will combine with the process wastewater downstream of Sampling Manhole #1 and local limits will apply at Sampling Manhole #2. The total maximum daily wastewater discharged from the facility will be 4750 gallons per day.

Selection of Parameters

The parameters listed in Part I-A-1(a) & (b) were taken from 40 CFR 439.47 Pharmaceutical Manufacturing, Subpart D Mixing/Compounding and Formulation, Pretreatment Standards for New Sources, and Title 10 of the Bloomington Municipal Code.

Monitoring and Reporting

AB BioTechnologies, Inc., is required to install approved wastewater sampling locations.

The permit requires monitoring and reporting weekly to monthly for most parameters in the first 90 days. Monitoring and reporting is required quarterly to semi-annually thereafter.

Selection of Parameters, Testing, Reporting and Calculation of Limits:

The permit requires sampling of all contaminants with a Categorical Pretreatment Standard or 90 day Compliance Date Report sampling requirement to be sampled and analyzed weekly to monthly within 90 days of commencement of discharge.

The permit requires sampling of pollutants regulated under the Local Limits section of Title 10 of the Bloomington Municipal Code twice annually during the months of June and December.

Local Limits are effluent limits for pollutants of concern that are specific for each POTW. These limits are required to be developed and enforced by the CWA and the NPDES permitting program. Local Limits are pretreatment standards enforceable by CBU, the Indiana Department of Environmental Management (IDEM), and the United States Environmental Protection Agency (USEPA). This permit requires the effluent to achieve compliance for all pollutants with a Local Limit.

Effect on Bloomington POTW

Issuance of this permit is not expected to present a significant impact on the collection or treatment systems.

Permit drafted by Tamara Roberts, Pretreatment Coordinator, July 2017.