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By Marc J. Garofalo, MPA, MCC, MCTC at 8:59 am, Aug 18, 2025

Weston & SampsonSM

712 Brook Street, Suite 103, Rocky Hill, CT 06067
Tel: 860.513.1473

City of Derby WPCA
Engineering Services
Monthly Engineering Report
August 20, 2025

2150155 Route 34 Sewer: CT DOT Project

- All main line piping installation complete. One manhole was paved over. CT DOT directed to uncover manhole and to revise as-built drawings. WPCA received all CCTV videos. Final walk thru scheduled for 8/11/2025. Arrangements are being made for material delivery.

ENG20-0334 I/I Removal

- Phase 6: (I/I Removal): Project includes manhole repairs, lateral liner, and defects observed from staff during CMOM inspections.
- National Water Main Cleaning Co. awarded contract in the amount of \$244,223.
- Preconstruction meeting scheduled for 8/19/25.

ENG23-3287 NPDES Permit Renewal

- Prepared CTDEEP NPDES Permit renewal application for the discharged from the WWTP. Application submitted to DEEP on 2/29/24. Approval process underway.

ENG24-0267 WWTP Dewatering System Upgrade

- All work is complete.

ENG24-1371 WWTP Aeration Blower

- Three (3) blowers installed and operational. Controls being upgraded by Aaron & Assoc.
- Preparation of grant application to the Connecticut Energy Efficiency Fund Energy Conscious Blueprint program for replacement of blowers. The estimated efficiency grant incentive is currently \$135,000 based on three (3) turbo blowers.

ENG24-1372 Naugatuck River Siphon Area Restoration

- Design and permitting assistance to address exposed inverted siphon piping system.
- Working with FEMA to investigate sources of project funding.
- Work continues related to permit applications and design
- Funding making its way through the FEMA approval process. Responding to questions.
- Met with DOT and Metro North Railroad. Will need easement agreement to cross tracks.
- Met with FEMA on 7/1. Obtained RFI on 7/7 requesting additional information.

ENG24-1491 Wastewater Treatment Plant Upgrade

- 30% Design Preliminary Design drawings underway
- Combined recommendations from the Wastewater Facility Plan into a cohesive site layout.
- Layouts of the headworks, sludge building, and secondary control building.
- Construction Sequencing of Plant Upgrades. Value Engineering Technical memo ongoing
- Hydraulic profile and process flow diagram.
- Updating Wastewater Treatment Design Computations
- 3D Model design underway

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Tax ID No: 04-2601194

INVOICE

PLEASE MAKE CHECKS PAYABLE TO:
Weston & Sampson Engineers, Inc.



55 Walkers Brook Drive, Suite 100, Reading, MA 01867
westonandsampson.com Tel: 978.532.1900

August 06, 2025

Project No: ENG24-1491

Invoice No: 8250632

Edward Abel
Superintendent
DERBY CT, CITY OF
Water Pollution Control Authority
1 Elizabeth Street
Derby, CT 06418

Project ENG24-1491 DERBY - WWTP UPGRADES DESIGN

Professional Services from June 28, 2025 through July 25, 2025

Fee

Description	Contract Amount	% Work To Date	Amount Billed To Date	Previously Billed	This Inv. Billed
SURVEY	166,000.00	65.00	107,900.00	83,000.00	24,900.00
30% PREL. DESIGN	890,000.00	75.00	667,500.00	596,300.00	71,200.00
VALUE ENGINEERING	56,000.00	0.00	0.00	0.00	0.00
75% DESIGN DEVELOPMENT	1,060,000.00	0.00	0.00	0.00	0.00
GRANT ASSISTANCE	84,000.00	0.00	0.00	0.00	0.00
PERMITTING	119,000.00	0.00	0.00	0.00	0.00
90% FINAL DESIGN	743,000.00	0.00	0.00	0.00	0.00
100% BID DOCUMENT	162,000.00	0.00	0.00	0.00	0.00
Total Fee	3,280,000.00		775,400.00	679,300.00	96,100.00
		Total Fee			96,100.00
			TOTAL THIS INVOICE		96,100.00

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**City of Derby Water Pollution Control Authority
Monthly Report for the August 2025 Meeting**

❖ **Collection System (July 2025)**

- Responded to a total of 65 CBYD tickets with 1 emergency ticket.
- No emergency after hours call outs this month.

❖ **Waste-Water Treatment Plant (July 2025)**

- Average Flow = 1.08 million gallons per day
- Total Flow = 33.55 million gallons, Max Daily Flow = 1.85 million gallons per day
- Average Total Nitrogen = 48 lbs./day, Permit Limit = 71 lbs./day (Annual Avg = 86.25lbs./day)
- Average Effluent BOD = 4.0 mg/l (permit <30 mg/l)
- Average Suspended Solids = 3 mg/l (permit = 30 mg/l)
- Average Turbidity = 1.8

❖ **Maintenance**

- Jet cleaned 1,000ft of city sewer main
- CCTV'ed 3,800ft of city sewer main
- Electrical conduits, wiring, and connections installed for blowers two and three
- CCTV camera sent out for routine maintenance

❖ **General**

- Average % solids for July with new press 25.13%
- Blowers two and three fully installed and operational
- Continuing to work with FEMA for disaster damage assistance for East Derby Siphon
- Continuing to work with DEEP, CTDOT, and Metro North for all proper permits for East Derby Siphon repair
- Manholes on Ashwood Terrace were paved over. Working on locating buried manholes to bring back up to grade
- Quote for camera truck CCTV cable

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WPCA Monthly Check Register 7/11/25-8/12/25

Check

Number	Document Date	Vendor Name	Check Amount	Transaction Description
12663	7/14/2025	ACCAVALLO & COMPANY LLC	7,650.00	WPCA Portion of Invoice 43309
12664	7/14/2025	AIRGAS USA *	61.65	WPCA Plant Maintenance Gases
12665	7/14/2025	AMAZON CAPITAL SERVICES	31.91	WPCA Office Supplies
	7/14/2025	AMAZON CAPITAL SERVICES	179.34	WPCA Plant Supplies
12666	7/14/2025	CINTAS CORPORATION	46.89	WPCA Uniform Service
12667	7/14/2025	CITY OF DERBY POLICE DEPT	3,165.56	WPCA Use of DPD 6/30 and 7/01
12668	7/14/2025	COLONY HARDWARE CORP	473.38	WPCA Plant Maintenance Supplies
12669	7/14/2025	CONSTELLATION NEWENERGY	4,040.07	1 Caroline St Electricity 5/19-6/17
12670	7/14/2025	EDWARDS ANSWERING SEV INC	49.61	WPCA Answering Service 7/10-8/06
12671	7/14/2025	F PEPE CONSTRUCTION LLC	19,285.81	King Court Work Done 6/30/25
12672	7/14/2025	FRONTIER	153.52	14 Patty Ann Terr Phones 6/21-7/20
	7/14/2025	FRONTIER	474.44	WPCA Telephone Service 6/11-7/10
12673	7/14/2025	GENERAL MUFFLER	43.32	WPCA Vehicle Maintenance Diesel Fluid
	7/14/2025	GENERAL MUFFLER	25.00	WPCA Vehicle Maintenance Drip Pan
	7/14/2025	GENERAL MUFFLER	100.37	WPCA Vehicle Maintenance: Wiper Blades, Air Filter, Drip Pan
12674	7/14/2025	GRAINGER *	317.70	WPCA Plant Supplies Disposable Gloves
12675	7/14/2025	LOWES *	205.38	WPCA Maintenance Supplies June 2025
12676	7/14/2025	PHOENIX ENVIRONMENTAL LAB	395.00	WPCA Lab Sample Analysis
12677	7/14/2025	STAMFORD WPCA REGIONAL	429.60	June WPCA Samples Analyzed
12678	7/14/2025	USA BLUE BOOK	94.44	WPCA Lab Supplies
12679	7/14/2025	WESTON/SAMPSON ENGINEERS	96,700.00	5/24-6/30 WWTP Upgrades Engineering
	7/14/2025	WESTON/SAMPSON ENGINEERS	1,600.00	6/01-6/30 Project ENG24-0623
	7/14/2025	WESTON/SAMPSON ENGINEERS	2,400.00	Project ENG24-0623
12680	7/16/2025	APG NEUROS INC	49,680.00	Derby WPCA Two New Turbo Blower Parts
12681	7/21/2025	90 PERSHING DRIVE ASSOCIATION LLC	69.40	2024-17-3098 Capital Fee Refund
12682	7/21/2025	MYERS DANIEL	280.13	July SU/CF Refund 2024-17-3412
12683	7/21/2025	DEFEO ARLENE A (EST)	15.62	July SU/CF Refund 2024-07 & 17-849
12684	7/21/2025	LEONE DOUGLAS	132.36	July SU/CF 2024-17-1805 178 New Haven Ave
12685	7/21/2025	THEODORE J. ESTWAN JR	382.17	July Capital Fees Refund 203-07-5246
12686	7/21/2025	LAPRISE RUSSELL & SIMONU LAURIE	10.00	July SU/CF Refund 2024-07-0000984
12687	7/21/2025	DAVIS SEAN	132.36	26 Commodore Commons Capital Fee Refund
12688	7/21/2025	SHEPHARD KIMBERLY	326.54	July SU/CF Refund 2024-07 & 17-5244
12689	7/24/2025	ALTA EQUIPMENT COMPANY	170.70	WPCA Quote PQT354035 Control
	7/24/2025	ALTA EQUIPMENT COMPANY	1,039.60	WPCA Vehicle Maintenance: Fix AC
12690	7/24/2025	CINTAS CORPORATION	93.78	WPCA Uniform Service
12691	7/24/2025	EVERSOURCE	236.98	1 Caroline St (WPCA) Gas 6/11-7/14
	7/24/2025	EVERSOURCE	88.49	140 Roosevelt Dr (WPCA) Gas 6/11-7/14
12692	7/24/2025	F PEPE CONSTRUCTION LLC	7,385.00	WPCA Excavate Existing Yard Hydrant/Remove/fill in hole
12693	7/24/2025	FRONTIER	474.44	WPCA Phone Service 7/11-8/10 203-736-6975-062409-5
12694	7/24/2025	JOHN BOYLE COMPANY	136.96	WPCA Plant Maintenance Paint

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12695	7/24/2025 MARYLAND BIOCHEMICAL CO	8,814.58	WPCA Pump Station Maintenance Wet Well Blower
12696	7/24/2025 MC VAC ENVIRONMENTAL SERV	5,740.76	WPCA Pump out Sewer Grit
12697	7/24/2025 MC VAC ENVIRONMENTAL SERV	5,508.73	WPCA Sewer Grit Pumped Out
12698	7/24/2025 MDM PRODUCTS	4,659.00	WPCA Plant Maintenance
12699	7/24/2025 PHOENIX ENVIRONMENTAL LAB	517.00	WPCA Lab Sample Analysis
	7/24/2025 PMA COMPANIES INC *	1,657.81	WPCA Portion of Invoice S226793NPN 7/01/25
12700	7/24/2025 REGIONAL WATER AUTHORITY	67.79	1 Caroline St Water 6/08-7/07
	7/24/2025 REGIONAL WATER AUTHORITY	1,392.63	Roosevelt Dr (WPCA) Water 5/09-7/06
12701	7/24/2025 UNITED ILLUMINATING	6,313.96	1 Caroline St Pump (WPCA) Electric 6/18-7/18
	7/24/2025 UNITED ILLUMINATING	1,041.98	145 Roosevelt Dr (WPCA) Electric 6/17-7/16
	7/24/2025 UNITED ILLUMINATING	224.42	24 Division St Pump 2 (WPCA) Electric 6/17-7/16
12702	7/24/2025 VALLEY ELECTRIC SUPPLY	768.37	WPCA Plant Maintenance Supplies
12703	7/24/2025 WESTON/SAMPSON ENGINEERS	925.00	Derby WPCA Blower Grant Support through 11/22/24
12704	7/24/2025 WINSUPPLY OF SHELTON	113.36	WPCA Plant Maintenance Supplies
12705	7/24/2025 W J ELECTRIC LLC	8,297.03	WTP Upgrades Labor and Supplies
12706	7/28/2025 DATA SUPPORT COMPANY INC	2,239.56	WPCA Lab Supplies: Scale
	Total 10400 - Cash WPCA	246,859.50	
	Total 05 - Enterprise Funds (WPCA)	246,859.50	
Report Total		246,859.50	

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City of Derby

Check/Voucher Register - Check Register

10400 - Cash WPCA

05 - Enterprise Funds (WPCA)

APS

From 7/24/2025 Through 7/24/2025

<u>Check Number</u>	<u>Vendor Name</u>	<u>Effective Date</u>	<u>Check Amount</u>
12689	ALTA EQUIPMENT COMPANY	7/24/2025	1,210.30
12690	CINTAS CORPORATION	7/24/2025	93.78
12691	EVERSOURCE	7/24/2025	325.47
12692	F PEPE CONSTRUCTION LLC	7/24/2025	7,385.00
12693	FRONTIER	7/24/2025	474.44
12694	JOHN BOYLE COMPANY	7/24/2025	136.96
12695	MARYLAND BIOCHEMICAL CO	7/24/2025	8,814.58
12696	MC VAC ENVIRONMENTAL SERV	7/24/2025	11,249.49
12697	MDM PRODUCTS	7/24/2025	4,659.00
12698	PHOENIX ENVIRONMENTAL LAB	7/24/2025	517.00
12699	PMA COMPANIES INC *	7/24/2025	1,657.81
12700	REGIONAL WATER AUTHORITY	7/24/2025	1,460.42
12701	UNITED ILLUMINATING	7/24/2025	7,580.36
12702	VALLEY ELECTRIC SUPPLY	7/24/2025	768.37
12703	WESTON/SAMPSON ENGINEERS	7/24/2025	925.00
12704	WINSUPPLY OF SHELTON	7/24/2025	113.36
12705	W J ELECTRIC LLC	7/24/2025	<u>8,297.03</u>
	Total 05 - Enterprise Funds (WPCA)		<u>55,668.37</u>
	Total 10400 - Cash WPCA		<u>55,668.37</u>
Report Total			<u><u>55,668.37</u></u>

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WPCA - June 30, 2025 YTD Update

Account Code	Account Title	23-24 FY Actuals	FY 24-25 Adopted Budget	June 30, 2025 YTD	FY 25-26 Budget
3000	Revenue				
44902	Sewer Use Interest & Lien Fees	\$ 80,782	\$ 45,000	\$ 26,785	\$ 16,000
41105/41108	Back Taxes/Sewer Use & Capital Fees (2007-22 GL Years)	\$ 528,468	\$ 450,000	\$ 648,837	\$ 500,000
41902/41903	Back Taxes/Interest & Lien Fees (Sewer Use & Capital Fee)	\$ 116,726		\$ 152,815	\$ 130,000
44906	Ansonia Income	\$ 14,229	\$ 17,097	\$ 14,627	\$ 23,000
44909	Orange Revenue	\$ 85,648	\$ 85,377	\$ 85,524	\$ 85,377
44910	Residential Revenue	\$ 1,718,192	\$ 1,723,831	\$ 1,529,536	\$ 1,700,000
44911	Commercial Revenue	\$ 558,921	\$ 561,359	\$ 429,563	\$ 500,000
44912	Mixed Use Revenue	\$ 89,654	\$ 91,208	\$ 85,821	\$ 85,000
44916	186 Derby Ave Repair Reimbursement	\$ 1,545	\$ -	\$ 773	\$ -
44926	Impact Fee - New Sewer Connections	\$ 483,180	\$ 415,000	\$ 430,350	\$ 210,000
44904	Other Revenue	\$ 62,553		\$ 9,929	\$ -
46101	Interest Earned	\$ 248,318	\$ 250,000	\$ 211,212	\$ 230,000
Total Operating Revenues		\$ 3,988,217	\$ 3,638,872	\$ 3,625,772	\$ 3,479,377
Capital Fees					
44914	Capital Fee Interest & Lien Fees	\$ 11,958	\$ 46,557	\$ 16,397	\$ 13,000
44917	Residential CapitoI Improvement Re	\$ 1,226,104	\$ 1,210,393	\$ 1,066,301	\$ 1,100,000
44918	Commercial Capital Improvement Rev	\$ 261,695	\$ 275,247	\$ 271,432	\$ 270,000
44919	Mixed Use Capital Improvements Rev	\$ 31,128	\$ 34,926	\$ 33,282	\$ 33,000
Total Capital Fees		\$ 1,530,885	\$ 1,567,123	\$ 1,387,412	\$ 1,416,000
Total WPCA Revenues		\$ 5,519,101	\$ 5,205,995	\$ 5,013,183	\$ 4,895,377

Dept. 8410	Water Pollution Control	23-24 FY Actuals	FY 24-25 Adopted Budget	June 30, 2025 YTD	FY 25-26 Budget
51610	Regular	\$ 673,842	\$ 950,463	\$ 935,391	\$ 955,145
51630	Overtime	\$ 48,227	\$ 80,000	\$ 60,356	\$ 88,316
	Annual Stipend		\$ 6,000		\$ 6,000
51965	Clothing Allowance	\$ -			\$ 64,695
52200	Employer Share Social Security Contributions	\$ 49,076	\$ 63,889	\$ 49,065	\$ 15,130
52205	Medicare	\$ 11,477	\$ 14,942	\$ 11,520	\$ 137,575
52300	City Pension	\$ 174,838	\$ 20,609	\$ 137,575	\$ 50,000
52700	Workers Compensation	\$ 16,728	\$ 100,000	\$ 280,099	\$ 200,000
52906	Employees Health Benefits	\$ 52,690	\$ 360,000	\$ 330,603	\$ 33,000
52907	Insurance	\$ 29,891	\$ 36,575	\$ 31,553	\$ 12,000
53020	Legal Services	\$ 28,068	\$ 12,000	\$ 780	\$ -
53201	Office Instruction	\$ -	\$ 1,000		\$ 5,700
53202	Plant Instruction	\$ 1,810	\$ 6,300	\$ 3,423	\$ 8,000
53310	Accounting/Bookkeeping	\$ 8,091	\$ 8,000	\$ 13,087	\$ 100,000
53400	Engineering Services	\$ 30,620	\$ 30,000	\$ 46,534	
53465	Atty Sheriff Title Search	\$ -	\$ 20,000		
53480	Waste Water Facilities Plan Misc Charge	\$ 5,000	\$ -		
53495	Pump Station - Sanitary Sewer Design	\$ 1,380	\$ -		\$ 30,000
53500	Computer Service	\$ 61,224	\$ 2,000	\$ 241	\$ 5,000
53505	Plant Computer Service	\$ -	\$ 5,000	\$ 3,624	\$ 6,000
53515	Payroll Expense	\$ 6,949	\$ 5,000	\$ 4,064	\$ 150,000
54302	Property/Plant Maintenance	\$ 129,880	\$ 150,000	\$ 124,962	\$ 20,000
54325	Vehicle Maintenance	\$ 11,983	\$ 20,000	\$ 18,357	\$ 250,000
54413	Sludge Disposal	\$ 233,288	\$ 250,000	\$ 243,636	\$ 1,000
54925	Pest Control	\$ 751	\$ 1,000	\$ 201	\$ 100,000
54930	Collection System Maintenance	\$ 100,472	\$ 100,000	\$ 126,654	\$ 275,000
54935	Collection System Rehabilitation	\$ -	\$ 300,000	\$ 29,450	\$ -
54940	Road Bond Sanitary Sewer Repair	\$ 151	\$ -	\$ -	\$ 20,000
54945	Pump Station Maintenance	\$ 12,430	\$ 20,000	\$ 10,403	\$ 15,000
55001	Ansonia Expense	\$ 14,728	\$ 15,000	\$ 16,537	\$ 36,200
55003	Griffen Hospital Expense	\$ 36,199	\$ 36,200	\$ 28,431	\$ -

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55004	Town Clerk Expense	\$ 2,193	\$ 1,000	\$ -	\$ -
55006	Interest Expense Dep	\$ 5,346	\$ -	\$ -	\$ 6,000
55031	DEEP Fees	\$ 3,018	\$ 6,000	\$ 2,368	\$ 10,000
55300	Telephones	\$ 8,404	\$ 10,000	\$ 9,501	\$ 13,000
55301	Postage	\$ 3,573	\$ 13,000	\$ 2,250	\$ 3,100
55991	Expense Refunds	\$ 797	\$ 3,100	\$ 1,447	
55998	Skid Steer Lease	\$ -	\$ -		
55999	Camera Truck Lease Purchase	\$ -	\$ -	\$ 40,976	
56010	Office Supplies	\$ 393	\$ 2,000		\$ 2,000
56015	Business Forms	\$ -	\$ 3,000		\$ -
56025	Plant Supplies	\$ 4,035	\$ 6,000	\$ 7,274	\$ 6,000
56050	Rags Grit Grease	\$ 21,059	\$ 25,000	\$ 18,941	\$ 25,000
56210	Yankee Gas	\$ 10,677	\$ 15,000	\$ 8,871	\$ 15,000
56220	Electricity	\$ 163,151	\$ 180,000	\$ 178,150	\$ 180,000
56290	Water Co.	\$ 488	\$ 15,000	\$ -	\$ -
56908	Chemicals	\$ 40,944	\$ 55,000	\$ 56,587	\$ 55,000
56909	Lab Supplies	\$ 53,007	\$ 65,000	\$ 51,012	\$ 65,000
56911	Special Clothing	\$ 8,359	\$ 11,160	\$ 8,969	\$ 9,000
57005	Referendum Capital Outlay	\$ -			
57314	Truck Replacement	\$ -			
58015	RWA & Aquarion Consumption	\$ 8,977	\$ -	\$ 10,514	\$ 15,000
58350	Capital Reserves	\$ -	\$ 200,000	\$ 200,000	\$ 200,000
58380	Dep Principal	\$ -			\$ -
Total Expenses 8410		\$ 2,074,216	\$ 3,224,238	\$ 3,103,405	\$ 3,187,861
Operating Revenues Less Operating Expenses		\$ 1,914,001	\$ 414,634	\$ 522,367	\$ 291,516

Capital Account - Dept 8411	23-24 FY Actuals	FY 24-25 Adopted Budget	June 30, 2025 YTD	FY 25-26 Budget
58355 Bond Capital Debt Service (Interest and Principal)	\$ 673,448	\$ 1,374,575	\$ 1,354,442	\$ 1,252,825
53400 Engineering Services	\$ -	\$ -	\$ 168,170	\$ -
55081 Phase I Plant Improvem-Constructio	\$ 5,000	\$ 1,300,000	\$ 1,893,773	\$ 1,853,000
Total Expenses 8411	\$ 678,448	\$ 2,674,575	\$ 3,416,385	\$ 3,105,825
Capital Fees less Capital Expenses	\$ 852,437	\$ (1,107,452)	\$ (2,028,974)	\$ (1,689,825)
55016 Depreciation Expense	\$ 1,246,077	\$ -	\$ -	\$ 1,200,000

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QUOTE 729251

BAHR SALES, INC.
1185 SOUTH BROAD STREET
WALLINGFORD CT 06492

DATE: JULY 29, 2025

EXPIRATION DATE October 29, 2025

TO Derby CT
alanzaro@derbyct.gov

SALESPERSON	JOB	SHIPPING METHOD	SHIPPING TERMS	DELIVERY DATE	PAYMENT TERMS	DUE DATE
		Truck			Net 30	

QTY	ITEM #	DESCRIPTION	UNIT PRICE	LINE TOTAL
1	TM607-10H	CABLE ASSY,M/C,12P,1000'	\$7,322.12	\$7,322.12
		Shipping est. (1) reel	\$350.00	\$350.00

(10)
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