BOROUGH OF WEST READING
RESOLUTION 2022-6

A RESOLUTION OF THE BOROUGH OF WEST READING, BERKS COUNTY, PENNSYLVANIA FIXING THE CHARGES FOR INDUSTRIAL WASTES. PURSUANT TO SECTION 363-13 OF ARTICLE II OF CHAPTER 363 OF THE CODE OF ORDINANCES OF THE BOROUGH OF WEST READING, ENTITLED "SEWERS AND SEWAGE DISPOSAL".

WHEREAS, Section 363-13 of Article II of Chapter 363 of the Code of Ordinances of the Borough of West Reading, entitled "Sewers and Sewage Disposal" (the "Ordinance"), the Borough Council has the right and power to fix and alter the charges for industrial wastes.

NOW THEREFORE, BE IT RESOLVED by the Borough Council of the Borough of West Reading, Berks County, Pennsylvania, that the charges for industrial wastes to be charged pursuant to the Ordinance are hereby fixed as follows:

COST PER 1,000 LBS.

$B.O.D_5$	SUSPENDED SOLIDS	DISSOLVED SOLIDS	AMMONIA NITROGEN
$312.63	$290.80	$60.37	$996.22

FURTHER RESOLVED, that the charges set forth above shall be effective as of the first day of July, 2022.

DULY ADOPTED AND APPROVED this 9th day of June, 2022.

BOROUGH OF WEST READING

By: _____
Ryan Lineaweaver, Council President

Attest: Cynthia Madeira
Cynthia Madeira, Borough Secretary

Examined and approved this 9th day of June, 2022.

_____
Samantha Kaag, Mayor

JOINT MUNICIPAL AUTHORITY OF WYOMISSING VALLEY, BERKS COUNTY

701 OLD WYOMISSING ROAD
READING, PENNSYLVANIA 19611
TEL 610-376-1756
FAX 610-376-1490

May 10, 2022

Mr. Dean Murray
Borough Manager
Borough of West Reading
500 Chestnut Street
West Reading, PA 19611

Re: Update of Strong Wastewater Surcharge Formula for 2022
Effective starting with consumption billed July 1, 2022

Dear Mr. Murray:

The Joint Municipal Authority of Wyomissing Valley, Berks County (Authority), approved the 2022 Strong Wastewater Surcharge Formula update. This formula applies to Section 4 of the Rules and Regulations – Determination of Charges for Industrial Waste.

The revised formula is to be used on billings starting with July 1, 2022 to determine the additional charge for extra strength waste with strength greater than that of domestic sewage in accordance with said Section 4 of the Rules and Regulations.

This will necessitate the recalculation of the strong wastewater surcharges. A copy of the 2022 update of Strong Wastewater Surcharge Formula and the Determination of Revised Surcharge Formula (Table II) are attached.

COST PER 1,000 LBS.

	B.O.D_5	SUSPENDED SOLIDS	DISSOLVED SOLIDS	AMMONIA NITROGEN
Present	$ 340.16	$ 323.52	$ 56.51	$ 996.28
Effective 7-1-22	312.63	290.80	60.37	996.22
Increase/Decrease	($ -27.53)	($ -32.72)	$ 3.86	($ - 0.06)

2022 Strong Wastewater Surcharge Formula

QI x 0.00834 [(BOD – 200) $312.63 + (SS – 300) $290.80 + (DS – 500) $60.37 + (NH3N – 25) $996.22]

Strong Wastewater Surcharge Formula and the updated strong wastewater data will be effective with the July 1, 2022 billings.

The strong wastewater surcharge calculation forms for R. M. Palmer Company are enclosed. The only number you will need to supply to acquire the strong wastewater surcharge is the sewer consumption (in million gallons = MG).

If you have any questions, please do not hesitate to contact us.

Sincerely,

JOINT MUNICIPAL AUTHORITY OF
WYOMISSING VALLEY, BERKS COUNTY

David E. Wisser
Authority Manager

MMH

Enclosures

THE JOINT MUNICIPAL AUTHORITY OF WYOMISSING VALLEY

TABLE II

2022 DETERMINATION OF "PER UNIT" TREATMENT CHARGES

Average Flow	2021 =	2.25 MGD
BOD Influent	2021 =	322 mg/l
SS Influent	2021 =	303 mg/l
DS Influent	2021 =	630 mg/l
NH_3N Influent	2021 =	31 mg/l

Plant Loading

BOD	=	2.25 MGD x 8.34 x BOD mg/l	322 =	6032	Lbs. Day
SS	=	2.25 MGD x 8.34 x SS mg/l	303 =	5676	Lbs. Day
DS	=	2.25 MGD x 8.34 x DS mg/l	630 =	11801	Lbs. Day
NH_3N	=	2.25 MGD x 8.34 x NH_3N mg/l	31 =	581	Lbs. Day

Per Unit Charges

BOD	=	$\frac{\$688,264}{6.031588080 \text{ Kip/Day x } 365 \text{ Days}}$	=	**$312.63 per thousand pounds**
SS	=	$\frac{\$602,427}{5.67568692 \text{ Kip/Day x } 365 \text{ Days}}$	=	**$290.80 per thousand pounds**
DS	=	$\frac{\$260,018}{11.80093320 \text{ Kip/Day x } 365 \text{ Days}}$	=	**$60.37 per thousand pounds**
NH_3N	=	$\frac{\$211,147}{0.58068084000 \text{ Kip/Day x } 365 \text{ Days}}$	=	**$996.22 per thousand pounds**

New 2022 Surcharge Formula

SQ = 0.00834 QI [(BOD - 200) $312.63 + (SS - 300) $290.80 + (DS - 500) $60.37 + ($NH_3N$ - 25) $996.22]

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EXTRA STRENGTH WASTE SURCHARGE CALCULATIONS FORM

MUNICIPALITY: Borough of West Reading

SURCHARGE PERIOD: July 1, 2022

I. **INDUSTRY:** R.M. Palmer - Cherry Street

II. **DATA:**

1. **FLOW - in million gallons (1 ft³ = 7.48 gallons)**
   e.g. 1,000,000 gallons = 1.0 M.G.
   550,000 gallons = 0.55 M.G.

   FLOW-_____ M.G. = QI

2. **WASTE STRENGHTH ANALYSIS: (Supplied by JMAWV)**

BOD5 = Biochemical Oxygen Demand	**=**	**4,645 mg/L**
S.S. = Suspended Solids	**=**	**585 mg/L**
D.S. = Dissolved Solids	**=**	**1,038 mg/L**
NH3N = Ammonia Nitrogen	**=**	**0.1 mg/L**

III. **Formula: (Plug in QI value)**

A. **QI x 0.00834 [(BOD-200)$312.63 + (SS-300)$290.80 + (DS-500)$60.37 + (NH3N-25)$996.22]**

B. **QI x 0.00834 [(4645-200)$312.63 + (585-300)$290.80 + (1038-500)$60.37 + (0.1-25)$996.22]**

C. **QI x 0.00834 [(4445)$312.63 + (285)$290.80 + (538)$60.37 + (--)$996.22]**

D. **QI x 0.00834 [$1,389,640.35 + $82,878.00 + $32,479.06 + $ 0.00]**

E. **QI x 0.00834 [$1,504,997.41]**

F. _____ **x** **$12,551.68**

G. _____

IV. **If you have any questions, please contact:** **David E. Wisser**
Authority Manager

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EXTRA STRENGTH WASTE SURCHARGE CALCULATIONS FORM

MUNICIPALITY: Borough of West Reading

SURCHARGE PERIOD: July 1, 2022

I. **INDUSTRY:** R.M. Palmer - Franklin Street

II. **DATA:**

1. **FLOW - in million gallons (1 ft³ = 7.48 gallons)**
   e.g. 1,000,000 gallons = 1.0 M.G.
   550,000 gallons = 0.55 M.G.

   FLOW-_____ M.G. = QI

2. **WASTE STRENGHTH ANALYSIS: (Supplied by JMAWV)**

   BOD5 = Biochemical Oxygen Demand = 1,821 mg/L

   S.S. = Suspended Solids = 762 mg/L

   D.S. = Dissolved Solids = 1,220 mg/L

   NH3N = Ammonia Nitrogen = 8 mg/L

III. **Formula: (Plug in QI value)**

A. **QI x 0.00834 [(BOD-200)$312.63 + (SS-300)$290.80 + (DS-500)$60.37 + (NH3N-25)$996.22]**

B. **QI x 0.00834 [(1821-200)$312.63 + (762-300)$290.80 + (1220-500)$60.37 + (8-25)$996.22]**

C. **QI x 0.00834 [(1621)$312.63 + (462)$290.80 + (720)$60.37 + (--)$996.22]**

D. **QI x 0.00834 [$ 506,773.23 + $134,349.60 + $43,466.40 + $0.00]**

E. **QI x 0.00834 [$684,589.23]**

F. _____ **x** **$5,709.47**

G. _____

IV. **If you have any questions, please contact:** **David E. Wisser**
Authority Manager