



LOGANSPORT MUNICIPAL UTILITIES

Logansport, Indiana

2017 Annual
Report



2017 ANNUAL REPORT

UTILITY SERVICE BOARD

Jay King, Chairman

Martin Monahan, Vice Chairman

Mike Meagher, Secretary

Mike Laird, Member

Mark Bender, Member

MANAGEMENT

Paul A. Hartman, Superintendent

LuAnn Davis, Controller

Robert Dunderman, Electric Distribution Manager

Brian DeWitt, Wastewater Manager

Cameron Dillon, Water Department Manager

Julie Truax, Human Resources Manager



LONG TERM INDEBTEDNESS As of December 31, 2017

| | <u>OUTSTANDING AS OF January 1, 2017</u> | <u>BONDS ISSUED DURING 2017</u> | <u>BONDS RETIRED DURING 2017</u> | <u>REVENUE BONDS OUTSTANDING AS OF 12/31/17</u> | <u>INTEREST PAID DURING 2017</u> |
|-------------------------|--|---|--|---|--|
| ELECTRIC UTILITY | \$ - | \$ - | \$ - | \$ - | \$ - |
| WATER UTILITY | \$ 1,312,000.00 | \$ - | \$ 201,000.00 | \$ 1,111,000.00 | \$ 36,663.00 |
| SEWAGE UTILITY | \$ 1,072,000.00 | \$ - | \$ 224,000.00 | \$ 848,000.00 | \$ 27,624.00 |
| STORMWATER | <u>\$ 13,830,984.00</u> | <u>\$ -</u> | <u>\$ 685,830.00</u> | <u>\$ 13,145,154.00</u> | <u>\$ 208,763.22</u> |
| TOTALS | \$ 16,214,984.00 | \$ - | \$ 1,110,830.00 | \$ 15,104,154.00 | \$ 273,050.22 |

This is to certify that the data contained in this report is accurate to the best of my knowledge and belief.



ELECTRIC DEPARTMENT BALANCE SHEET

December 31, 2017

ASSETS

CURRENT ASSETS:

| | | | |
|--------------------------------------|-----------------|----|--------------|
| Cash-Operating | | \$ | 5,140.66 |
| Accounts Receivable-Customers | \$ 2,614,672.73 | | |
| Accounts Receivable-Others | \$ 62,501.84 | | 2,677,174.57 |
| | | | <hr/> |
| Prepaid Expenses | \$ - | | |
| Inventory-Coal | \$ - | | |
| Inventory-Oil | \$ - | | |
| Inventory-Materials | \$ 1,322,398.66 | | 1,322,398.66 |
| | | | <hr/> |
| <i>INVESTMENTS:</i> | | | |
| Operating Fund (Savings) | \$ 2,464,154.34 | | |
| Bond Sinking Fund | \$ - | | |
| Bond Reserve | \$ - | | |
| Construction Fund (Investment) | \$ - | | |
| Depreciation Reserve | \$ 3,039,473.87 | | |
| Banked Vacation | \$ 277,334.39 | | |
| Employee Savings | \$ - | | |
| Insurance Reserve | \$ 25,635.70 | | |
| Restricted Customer Deposits | \$ 177,824.42 | | 5,984,422.72 |
| Total Current Assets | | \$ | 9,989,136.61 |

FIXED ASSETS:

| | | | |
|--------------------------------------|------------------|----|---------------|
| Plant in Service | \$ 85,456,248.65 | | |
| Construction Work in Progress | \$ 170,178.12 | | 85,626,426.77 |
| Less: Reserve for Depreciation | | | 64,884,088.85 |
| Net Plant | | \$ | 20,742,337.92 |
| TOTAL ASSETS | | \$ | 30,731,474.53 |



ELECTRIC DEPARTMENT BALANCE SHEET (Continued)
December 31, 2017

LIABILITIES

CURRENT LIABILITIES:

| | | |
|---------------------------------|------------------------|--------------------------------|
| Accounts Payable | | \$ 2,361,869.33 |
| Current Portion (Bonds)..... | \$ - | |
| Accrued | <u>\$ 407,104.86</u> | 407,104.86 |
| Customer Deposits | | <u>178,075.00</u> |
| Total Current Liabilities | | \$ 2,947,049.19 |
| Contributions in Aid | | \$ 6,527,162.22 |
| Long Term-Bonds..... | \$ - | |
| Earned Surplus..... | \$ 17,940,966.89 | |
| Current Year Earnings..... | <u>\$ 3,316,296.23</u> | <u>\$21,257,263.12</u> |
| | | |
| TOTAL LIABILITIES | | <u><u>\$ 30,731,474.53</u></u> |



ELECTRIC DEPARTMENT INCOME STATEMENT

January 1, 2017 to December 31, 2017

REVENUES:

| | | |
|---------------------------------|------------------|------------------|
| Electric Sales..... | \$ 37,124,181.91 | |
| Customer Penalties | 93,879.63 | |
| Customer Service Sales | 229,602.55 | |
| Interest Income..... | 25,568.53 | |
| Fuel Adjustments Revenues | 3,039,806.02 | |
| Miscellaneous Revenues..... | 45,483.52 | \$ 40,558,522.16 |

EXPENSES:

| | | |
|---------------------------------------|---------------|-------------------------|
| Steam Power Generation | \$ 78,042.28 | |
| Purchased Power | 29,685,650.20 | |
| Distribution Expense..... | 3,158,846.06 | |
| Administration & General Expense..... | 2,015,043.05 | |
| Payroll & Revenue Receipts Tax..... | 768,313.91 | |
| Interest Expense | 0.00 | |
| Depreciation | 1,536,330.43 | <u>\$ 37,242,225.93</u> |

INCOME TRANSFERRED TO SURPLUS..... \$ 3,316,296.23



ELECTRIC DEPARTMENT CASH FLOW ANALYSIS

January 1, 2017 to December 31, 2017

| | | |
|---|--------------------------|-------------------------|
| Operating Cash Balance 1/01/17 | | \$ (292,394.06) |
| <i>SOURCE OF FUNDS:</i> | | |
| Net Revenue | \$ 40,779,225.43 | |
| Interest from Investments..... | \$ 25,568.53 | |
| Misc. Non-Operating Revenues | \$ 275,086.07 | |
| Contributions in Aid | \$ 216,616.83 | \$ 41,296,496.86 |
| Total Cash Available..... | . | <u>\$ 41,004,102.80</u> |
| <i>USE OF FUNDS:</i> | | |
| Operation & Maintenance Expense..... | \$ 3,236,888.34 | |
| Administrative & General Expenses..... | \$ 2,783,356.96 | |
| Purchased Power | \$ 29,685,650.20 | |
| Coal, Oil and Gas | \$ - | |
| Less: Increase in Payables & Accruals | <u>\$ (1,020,377.30)</u> | <u>\$ 36,726,272.80</u> |
| Cash Available after Expenses..... | | \$ 4,277,830.00 |
| Prepayments & Inventory | \$ (4,389.18) | |
| Capital Outlay-Utility | <u>\$ 501,998.03</u> | <u>\$ 497,608.85</u> |
| Net Cash Available from Operation..... | | \$ 3,780,221.15 |
| Transfer to Investments..... | | \$ 1,310,926.15 |
| Cash in Bank 12/31/17 | | \$ 2,469,295.00 |
| Invested 12/31/17 | | \$ 2,469,295.00 |



ELECTRIC DEPARTMENT CASH BALANCES

December 31, 2017

| | <u>2016</u> | <u>2017</u> |
|------------------------------------|-----------------|-----------------|
| CASH BALANCES: | | |
| Cash Operating Fund | \$ (292,394.06) | \$ 2,469,295.00 |
| Depreciation Fund | \$ 1,506,299.02 | \$ 3,039,473.87 |
| Banked Vacation | \$ 262,476.77 | \$ 277,334.39 |
| Insurance Reserve | \$ 275,154.67 | \$ 25,635.70 |
| Restricted Customer Deposits | \$ 165,411.77 | \$ 177,824.42 |
| Construction Fund | \$ - | \$ - |



ELECTRIC DEPARTMENT INVESTMENT BALANCES

January 1, 2017 to December 31, 2017

ELECTRIC DEPRECIATION AND REPLACEMENT:

| | | |
|----------------------------------|-----------------|-----------------|
| Balance, January 1, 2017 | | \$ 1,506,299.02 |
| RECEIPTS: | | |
| Transfers | \$ 1,510,000.00 | |
| Interest Earned | \$ 23,174.85 | \$ 1,533,174.85 |
| Total Balance and Receipts..... | | \$ 3,039,473.87 |
| Disbursements | \$ - | \$ - |
| Balance, December 31, 2017 | | \$ 3,039,473.87 |

ELECTRIC INSURANCE RESERVE:

| | | |
|----------------------------------|---------------|---------------|
| Balance, January 1, 2017 | | \$ 275,154.67 |
| RECEIPTS: | | |
| Transfers | \$ - | |
| Interest Earned | \$ 481.03 | \$ 481.03 |
| Total Balance and Receipts..... | | \$ 275,635.70 |
| Disbursements | \$ 250,000.00 | \$ - |
| Balance, December 31, 2017 | | \$ 25,635.70 |

RESTRICTED CUSTOMER DEPOSITS:

| | | |
|----------------------------------|--------------|---------------|
| Balance, January 1, 2017 | | \$ 165,411.77 |
| RECEIPTS: | | |
| Transfers | \$ 10,500.00 | |
| Interest Earned | \$ 1,912.65 | \$ 12,412.65 |
| Total Balance & Receipts | | \$ 177,824.42 |
| Disbursements | \$ - | \$ - |
| Balance, December 31, 2017 | | \$ 177,824.42 |

ELECTRIC CONSTRUCTION:

| | | |
|----------------------------------|------|------|
| Balance, January 1, 2017 | | \$ - |
| RECEIPTS: | | |
| Transfers | \$ - | |
| Interest Earned | \$ - | \$ - |
| Total Balance & Receipts | | \$ - |
| Disbursements | \$ - | \$ - |
| Balance, December 31, 2017 | | \$ - |



ELECTRIC DEPARTMENT 2017 ANNUAL STATISTICS REPORT

Kilowatt Hours Produced by Month

| | <u>GENERATED</u> | <u>PURCHASED</u> | <u>TOTAL</u> |
|--------------------------|------------------|--------------------|--------------------|
| JANUARY..... | 0 | 37,061,287 | 37,061,287 |
| FEBRUARY..... | 0 | 31,986,530 | 31,986,530 |
| MARCH..... | 0 | 35,198,921 | 35,198,921 |
| APRIL..... | 0 | 31,325,526 | 31,325,526 |
| MAY..... | 0 | 34,429,424 | 34,429,424 |
| JUNE..... | 0 | 38,843,070 | 38,843,070 |
| JULY..... | 0 | 42,195,504 | 42,195,504 |
| AUGUST..... | 0 | 39,790,731 | 39,790,731 |
| SEPTEMBER..... | 0 | 35,948,584 | 35,948,584 |
| OCTOBER..... | 0 | 34,913,301 | 34,913,301 |
| NOVEMBER..... | 0 | 34,620,152 | 34,620,152 |
| DECEMBER..... | 0 | 37,214,882 | 37,214,882 |
| GROSS TOTAL..... | <u>0</u> | <u>433,527,912</u> | <u>433,527,912</u> |
| USED BY LIGHT PLANT..... | 0 | 0 | 0 |
| NET TOTAL..... | <u>0</u> | <u>433,527,912</u> | <u>433,527,912</u> |
| | 0 | 68.48 MILLS | |

| | <u>2016</u> | <u>2017</u> |
|--|------------------|------------------|
| Total Energy Delivered to System..... | 431,583,192 | 414,490,030 |
| Percentage of Energy Purchased..... | 0% | 100% |
| Property/Plant Valuation..... | \$ 85,124,428.74 | \$ 85,456,248.65 |
| Construction..... | \$ 0.00 | \$ 170,178.12 |
| Outstanding Obligations..... | \$ 0.00 | \$ 0.00 |
| Total Number of Meters in Service..... | 12,519 | 12,544 |



LMU ELECTRIC TRANSMISSION/DISTRIBUTION SYSTEMS STATISTICS
As of December 31, 2017

| <u>2017 STREET LIGHTS</u> | <u>2016</u> | <u>2017</u> |
|---|----------------|----------------|
| 100 Watt High Pressure Sodium | 1,933 | 2,125 |
| 150 Watt High Pressure Sodium | 372 | 372 |
| 150 Watt High Pressure Sodium | 10 (Boulders) | 10 (Boulders) |
| 150 Watt High Pressure Sodium | 11 (Chase Rd.) | 11 (Chase Rd.) |
| 175 Watt Mercury Vapor..... | 192 | 0 |
| 250 Watt High Pressure Sodium | 363 | 363 |
| 400 Watt Mercury Vapor..... | 7 | 7 |
| 400 Watt Pressure Sodium Vapor | 171 | 171 |
| LED Lights (Eel River Avenue)..... | 5 | 5 |
| 135 LED Lights (West St.) | 0 | 10 |
| Total Lights | 3,064 | 3,053 |
| <u>2017 UTILITY EASEMENTS</u> | 1 | 3 |



2017 METERING TOTALS

| | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | TOTAL |
|------------------------|-----|-----|-----|-----|-----|------|------|-----|------|-----|-----|-----|-------|
| Service Turn Ons | 41 | 37 | 72 | 61 | 64 | 81 | 70 | 114 | 77 | 92 | 66 | 43 | 818 |
| Service Turn Offs | 31 | 37 | 37 | 45 | 49 | 62 | 61 | 66 | 53 | 57 | 47 | 31 | 576 |
| Service Cuts | 100 | 99 | 74 | 86 | 130 | 101 | 110 | 169 | 141 | 141 | 103 | 64 | 1,318 |
| Service Reinstate | 69 | 68 | 60 | 72 | 77 | 77 | 75 | 136 | 105 | 115 | 66 | 43 | 963 |
| Reads | 104 | 125 | 138 | 120 | 123 | 137 | 123 | 156 | 146 | 110 | 115 | 104 | 1,501 |
| Re-Reads | 149 | 71 | 50 | 81 | 64 | 52 | 70 | 60 | 29 | 44 | 59 | 40 | 769 |
| Single Phase Test | 97 | 133 | 147 | 94 | 186 | 162 | 119 | 143 | 227 | 202 | 132 | 198 | 1,840 |
| Three Phase Bench Test | 2 | 1 | 6 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 4 | 7 | 24 |
| Three Phase Field Test | 11 | 26 | 21 | 15 | 17 | 9 | 0 | 0 | 0 | 0 | 17 | 5 | 121 |
| Ten Year Meter change | 14 | 10 | 18 | 14 | 19 | 20 | 16 | 19 | 18 | 97 | 34 | 23 | 302 |

| | |
|-----------------------|-------|
| Meters Purchased..... | 298 |
| Meters Tested..... | 1,985 |
| Meters Retired..... | 319 |
| Meters in Stock..... | 214 |
| Meters Moved..... | 1,318 |
| Meters Changed..... | 302 |



DISTRIBUTION SYSTEM – 2017

| | 2016 | | 2017 | |
|-------------------------------------|-----------|---------------------|-----------|---------------------|
| | # of Svcs | | # of Svcs | |
| New Commercial Installed | | | | |
| Overhead..... | 9 | \$ 1,591.00 | 6 | \$ 6,994.80 |
| Underground | 6 | \$ 30,304.00 | 0 | \$ 1,900.00 |
| New Industrial Installed | | | | |
| Overhead..... | 0 | \$ - | 0 | \$ - |
| Underground | 0 | \$ - | 0 | \$ - |
| New Residential Installed | | | | |
| Overhead..... | 5 | \$ 1,083.00 | 3 | \$ 767.00 |
| Underground | 9 | \$ 10,137.00 | 12 | \$ 8,362.50 |
| New Systems Installed-Totals of New | | | | |
| Overhead..... | 14 | \$ 2,674.00 | 9 | \$ 7,761.80 |
| Underground | 15 | \$ 40,441.00 | 13 | \$ 10,262.50 |
| Commercial Services Upgrades | | | | |
| Overhead..... | 0 | \$ - | 3 | \$ 278.57 |
| Underground | 3 | \$ 5,423.00 | 7 | \$ 22,952.00 |
| Industrial Services Upgrades | | | | |
| Overhead..... | 0 | \$ - | 0 | \$ - |
| Underground | 0 | \$ - | 0 | \$ - |
| Residential Services Upgrades | | | | |
| Overhead..... | 10 | \$ 3,100.00 | 16 | \$ 4,800.00 |
| Underground | 22 | \$ 12,115.00 | 23 | \$ 14,005.00 |
| System Upgrades-Total of Upgrades | | | | |
| Overhead..... | 10 | \$ 3,100.00 | 19 | \$ 5,078.57 |
| Underground | 25 | \$ 17,583.00 | 30 | \$ 36,957.00 |
| Total Paid Jobs | | | | |
| Overhead..... | 24 | \$ 5,774.00 | 28 | \$ 12,840.00 |
| Underground | 40 | \$ 57,979.00 | 43 | \$ 47,219.50 |
| TOTAL | 64 | \$ 63,753.00 | 71 | \$ 60,059.50 |



DISTRIBUTION SYSTEM – 2017 (Continued)

| <u>LINES - MILES</u> | <u>2016</u> | <u>2017</u> |
|--|-------------|-------------|
| Total Overhead System Miles of Line..... | 415 | 415 |
| Total Overhead Miles of Wire | 1,154 | 1,154 |
| Total Underground System Miles of Line | 44 | 44 |
| Total Underground Miles of Wire | 165 | 165 |

POLES

| | | |
|-----------------------------|--------|--------|
| Total Number of Poles | 21,434 | 21,448 |
|-----------------------------|--------|--------|

TRANSFORMERS

| | | |
|-------------------------------------|--------------|--------------|
| Transformers Within City | 1,377 | 1,374 |
| Transformers Outside City | <u>2,182</u> | <u>2,190</u> |
| Total Transformers in Service | 3,559 | 3,564 |

DISTRIBUTION SYSTEM

| | | <u>2016 +/-</u> | <u>2017 +/-</u> |
|---------|-------------|-----------------|-----------------|
| 2.4 KV | Overhead | 0' | 0' |
| 2.4 KV | Underground | 0' | 0' |
| 4.16 KV | Overhead | 0' | 0' |
| 7.2 KV | Overhead | (+) 1500' | (+) 600' |
| 7.2 KV | Underground | (+) 1800' | (+) 900" |
| 12.4 KV | Overhead | 0' | 0' |
| 12.4 KV | Underground | 0' | 0' |
| 7.98 KV | Overhead | (+) 150' | (+) 200' |
| 7.98 KV | Underground | (+) 3000' | (+) 2000' |
| 13.8 KV | Overhead | (-) 800' | 0' |
| 13.8 KV | Underground | (-) 0' | (+) 400' |



CHARGEABLE CALLS FOR 2017

| | FIRES | CUSTOMER SERVICE | WRECKS | CUSTOMER PROBLEMS | TOTAL |
|--------------|-------------|------------------|--------------|-------------------|--------------|
| JANUARY | \$ - | \$ - | \$ 638.03 | \$ - | \$ 638.03 |
| FEBRUARY | 973.44 | | 2,293.32 | | 3,266.76 |
| MARCH | | | | | - |
| APRIL | 681.51 | - | 4,503.75 | - | 5,185.26 |
| MAY | - | - | 734.61 | | 734.61 |
| JUNE | 477.64 | | 4,025.85 | 264.94 | 4,768.43 |
| JULY | 1,271.29 | | 270.12 | 232.62 | 1,774.03 |
| AUGUST | 821.90 | | 6,537.38 | 52.44 | 7,411.72 |
| SEPTEMBER | 465.61 | | 366.41 | 31,171.06 | 32,003.08 |
| OCTOBER | 610.27 | | 736.03 | 330.26 | 1,676.56 |
| NOVEMBER | 372.03 | | 2,699.32 | 594.67 | 3,666.02 |
| DECEMBER | - | | 2,872.30 | - | 2,872.30 |
| TOTAL | \$ 5,673.69 | \$ - | \$ 25,677.12 | \$ 32,645.99 | \$ 63,996.80 |



ANNUAL ELECTRIC DISTRIBUTION SUMMARY REPORT FOR 2017

We started the New Year out on the fast track. With the new energy contract signed with NextEra we had plenty to accomplish. Working with NextEra and Duke Energy to make this a smooth transition has proven to be a large undertaking. As we close in on that final day with Duke Energy, it gets more exciting and nervous at the same time.

The County has started to improve a major road to Clymers and the ethanol plant. Scott Hanawalt, Senior Planning Engineer, started working on the design in 2016 to move our three phase primary circuit that feeds into Clymers along County Road 400 South. The road is being widened by thirty-feet. In total, the project is almost four miles in length. With the length of the project, Cass County and INDOT have broken it up into four phases. Phase One concentrated in the town of Clymers. We started this phase in late 2016 and finished in February of 2017. Phase Two was immediately started with the design and work was finished by the fall. The design for Phase Three is complete and we're waiting on the notice to proceed. Each phase of this project has to be designed and submitted to INDOT for approval before any work can be started. This project is a tribute to our workforce. From the Planning Department, the Storeroom personnel and our line crews, we built a line that we're all proud of.

A new project was started on the Boulevard for LED street lights. With numerous roadblocks the project has continued into 2018. We had hoped to finish this project in the fall of 2017 but because of other underground utilities in the area we had to change our design. The new lights should make this street beautiful when we're finished.

In conclusion, we're looking forward to the New Year as it brings an end to a long term relationship with Duke Energy and starting a new relationship with NextEra.



WATER DEPARTMENT BALANCE SHEET

December 31, 2017

ASSETS

CURRENT ASSETS:

| | | | |
|---------------------------------------|----|------------|-------------------|
| Cash - Operating | | \$ | 917,457.14 |
| Accounts Receivable - Customers | \$ | 227,727.59 | |
| Accounts Receivable-Other | | 365.06 | |
| Prepaid Expenses | | - | |
| Deferred Expenses Bonds | | - | |
| | | <u>\$</u> | <u>228,092.65</u> |
| | | \$ | 1,145,549.79 |

INVESTMENTS:

| | | | |
|----------------------------|----|------------|---------------------|
| Operating Reserve | \$ | 468,928.88 | |
| Annexation Fund | | - | |
| Depreciation Fund | | 864,372.57 | |
| Sinking Fund | | 209.64 | |
| Bond Reserve | | 249,598.05 | |
| Bond Construction | | - | |
| Insurance Reserve | | 117,008.27 | |
| Inventory | | | \$ 1,700,117.41 |
| | | | <u>\$ 86,494.59</u> |
| Total Current Assets | | | \$ 1,786,612.00 |

FIXED ASSETS:

| | | | |
|--------------------------------------|----|---------------|----------------------|
| Plant in Service | \$ | 23,723,965.72 | |
| Construction Work in Progress | | 100,293.61 | |
| Less: Reserve for Depreciation | | 12,060,782.99 | |
| | | <u>\$</u> | <u>11,763,476.34</u> |

TOTAL ASSETS \$ 14,695,638.13



WATER DEPARTMENT BALANCE SHEET (Continued)
December 31, 2017

LIABILITIES

CURRENT LIABILITIES:

| | | |
|---------------------------------|---------------|----------------------|
| Accounts Payable | | \$ 61,620.34 |
| Accrued Expenses | | 65,542.39 |
| Customer Deposits | | 300.00 |
| Current Portion Bonds | \$ 208,000.00 | |
| Note Payable SRF | 0.00 | |
| Accrued Interest | 18,331.50 | 226,331.50 |
| Total Current Liabilities | | <u>\$ 353,794.23</u> |

LONG TERM DEBT:

| | | |
|-------------------------------|---------------------|-----------------|
| Long Term Portion Bonds | \$ 903,000.00 | |
| Contributions in Aid | <u>6,617,572.07</u> | \$ 7,520,572.07 |

CAPITAL:

| | | |
|-----------------------------|-------------------|------------------------|
| Earned Surplus | \$ 6,682,428.84 | |
| Current Year Earnings | <u>138,842.99</u> | <u>\$ 6,821,271.83</u> |

| | | |
|--------------------------------|--|---------------------------------------|
| TOTAL LIABILITIES | | <u><u>\$ 14,695,638.13</u></u> |
|--------------------------------|--|---------------------------------------|



WATER DEPARTMENT INCOME STATEMENT

January 1, 2017 to December 31, 2017

REVENUES:

| | | |
|--|------------------|-----------------|
| Metered Sales | \$ 2,497,430.69 | |
| Private Fire Protection | 391,461.75 | |
| Public Fire Protection | | |
| Penalties | 16,202.81 | |
| Customer Service Sales & Permits | 72,025.01 | |
| Interest Earned | 26,720.29 | |
| Other - Non-Operating Income | <u>66,374.28</u> | \$ 3,070,214.83 |

EXPENSES:

| | | |
|---------------------------------------|------------------|-----------------|
| Pumping | \$ 55,334.55 | |
| Treatment | 614,526.26 | |
| Distribution Expense..... | 991,280.18 | |
| Administrative & General Expense..... | 382,721.53 | |
| Depreciation Expense | 324,548.27 | |
| Taxes, Pension, Group Insurance | 526,298.05 | |
| Interest Expense..... | <u>36,663.00</u> | \$ 2,931,371.84 |

INCOME TRANSFERRED TO SURPLUS..... \$ 138,842.99



WATER DEPARTMENT CASH FLOW ANALYSIS January 1, 2017 to December 31, 2017

| | | | |
|--|----|--------------|------------------------|
| Cash in Bank 1/01/17 | | \$ | 741,382.36 |
| SOURCE OF FUNDS: | | | |
| Net Revenue from Sales | \$ | 2,900,764.66 | |
| Interest Income | \$ | 26,720.29 | |
| Other Income | \$ | 138,399.29 | |
| Contributions in Aid..... | \$ | 60,342.93 | |
| Funds from Bond Refinancing | | | \$ 3,126,227.17 |
| Total Cash Available | | | <u>\$ 3,867,609.53</u> |
| USE OF FUNDS: | | | |
| Operating Expenses | \$ | 1,661,140.99 | |
| Administrative Expenses | \$ | 909,019.28 | |
| Prepayments & Inventory | \$ | (20,011.35) | |
| Less: Increase in Payables & Accruals..... | \$ | (12,207.89) | \$ 2,562,357.11 |
| Cash from Operation | | | 1,305,252.42 |
| Capital Improvements..... | \$ | 105,435.61 | |
| Transfers | | 282,359.67 | \$ 387,795.28 |
| Cash in Bank 12/31/17 | | | \$ 917,457.14 |
| Invested 12/31/17 | | | \$ 917,457.14 |



WATER DEPARTMENT INVESTMENT BALANCES

January 1, 2017 to December 31, 2017

WATER DEPRECIATION:

| | | |
|----------------------------------|-------------|---------------|
| Balance, January 1, 2017 | | \$ 854,520.85 |
| RECEIPTS: | | |
| Transfers | . | |
| Interest Earned | \$ 9,851.72 | \$ 9,851.72 |
| Total Balance & Receipts..... | | \$ 864,372.57 |
| Disbursements..... | \$ - | \$ - |
| Balance, December 31, 2017 | | \$ 864,372.57 |

WATER BOND RESERVE:

| | | |
|----------------------------------|-------------|---------------|
| Balance, January 1, 2017 | | \$ 246,753.25 |
| RECEIPTS: | | |
| Transfers | \$ - | |
| Interest Earned | \$ 2,844.80 | \$ 2,844.80 |
| Total Balance & Receipts..... | | \$ 249,598.05 |
| Disbursements..... | \$ - | \$ - |
| Balance, December 31, 2017 | | \$ 249,598.05 |

WATER BOND AND INTEREST:

| | | |
|----------------------------------|---------------|---------------|
| Balance, January 1, 2017 | | \$ 748.83 |
| RECEIPTS: | | |
| Transfers | \$ 242,848.00 | |
| Interest Earned | \$ 1,275.81 | \$ 244,123.81 |
| Total Balance & Receipts..... | | \$ 244,872.64 |
| Disbursements..... | \$ 244,663.00 | \$ 244,663.00 |
| Balance, December 31, 2017 | | \$ 209.64 |

INSURANCE RESERVE:

| | | |
|----------------------------------|-------------|---------------|
| Balance, January 1, 2017 | | \$ 115,664.72 |
| RECEIPTS: | | |
| Transfers | \$ - | |
| Interest Earned | \$ 1,343.55 | \$ 1,343.55 |
| Total Balance & Receipts..... | | \$ 117,008.27 |
| Disbursements..... | \$ - | \$ - |
| Balance, December 31, 2017 | | \$ 117,008.27 |



WATER DEPARTMENT INVESTMENT BALANCES (Continued)
January 1, 2017 to December 31, 2017

OPERATING RESERVE

| | | |
|----------------------------------|--------------|----------------------|
| Balance, January 1, 2017 | | \$ 441,049.59 |
| RECEIPTS: | | |
| Transfers | \$ 22,578.00 | |
| Interest Earned | \$ 5,301.29 | \$ 27,879.29 |
| Total Balance & Receipts..... | | <u>\$ 468,928.88</u> |
| Disbursements..... | \$ - | <u>\$ -</u> |
| Balance, December 31, 2017 | | <u>\$ 468,928.88</u> |



WATER DEPARTMENT 2017 ANNUAL STATISTICS REPORT

PROPERTY AND PLANT VALUATION:

| | |
|-----------|------------------|
| 2016..... | \$ 23,718,323.76 |
| 2017..... | \$ 23,824,259.33 |

CONSTRUCTION:

| | |
|-----------|---------------|
| 2016..... | \$ - |
| 2017..... | \$ 100,293.61 |

OUTSTANDING BOND OBLIGATION:

| | |
|-----------|-----------------|
| 2016..... | \$ 1,312,000.00 |
| 2017..... | \$ 1,111,000.00 |

CASH BALANCES:

| | <u>2016</u> | <u>2017</u> |
|--------------------------------------|---------------|---------------|
| Cash Operating Fund | \$ 741,382.36 | \$ 917,457.14 |
| Depreciation..... | \$ 854,520.85 | \$ 864,372.57 |
| Bond & Interest Redemption Fund..... | \$ 748.83 | \$ 209.84 |
| Bond Reserve Fund..... | \$ 246,753.25 | \$ 249,598.05 |
| Insurance Reserve..... | \$ 115,664.72 | \$ 117,008.27 |
| Operating Reserve | \$ 441,049.59 | \$ 468,928.88 |



**LOGANSPORT MUNICIPAL UTILITIES
ANNUAL REPORT OF OPERATIONS – 2017
WATER DISTRIBUTION SYSTEM STATISTICS**

SERVICE CALLS:

| | | | |
|--------------------------------------|-----|---------------------------------------|--------|
| Services Replaced | 56 | Swimming Pools Filled | 0 |
| New Services Installed | 10 | Verify Meter Readings for Accuracy | 1,598 |
| Services Repaired | 105 | Miscellaneous Service Turn Ons & Offs | 1,269 |
| Fire Hydrants Broken by Vehicles | 2 | Water Line Locates Requested | 2,198 |
| Fire Hydrants Repaired or Replaced | 16 | Fire Hydrants Flushed | 1,422 |
| Mains Broken by Contractors | 0 | Isolation Valves Repaired/Replaced | 8 |
| Mains Broken (unknown causes) | 37 | New Isolation Valves Installed | 2 |
| Line Stops Performed | 4 | Miscellaneous Service Calls | 313 |
| Remote Meter Conversions | 157 | Mains Extended, linear feet | 0 |
| Frozen Meters | 3 | Mains Replaced, linear feet | 60 Ft. |
| Repeat Frozen Meters | 0 | | |
| Broken Meters | 8 | <u>WATER SYSTEM TOTALS:</u> | |
| Pits & Covers Replaced | 268 | Total Number of Water Meters | 7,317 |
| Inspections for Leaks | 718 | Total Number of Fire Hydrants | 711 |
| Valve & Curb Boxes Repaired/Replaced | 42 | Total Number of Fire Lines | 114 |
| Meter Tests, Calibrations, & Repairs | 48 | Miles of Main Operated & Maintained | 123 |



**LOGANSPORT MUNICIPAL UTILITIES
ANNUAL REPORT OF OPERATIONS – 2017
PUBLIC WATER SUPPLY STATISTICS**

OPERATIONS:

LMU WELLFIELD:

| | | |
|-----------|---|------------------------|
| A. | Water Pumped to the Public - Million Gallons | 1,786.34 MG |
| | Peak Monthly Flow - | 165.16 MG (AUG) |
| | Minimum Monthly Flow - | 130.58 MG (APR) |
| | Average Monthly Flow - | 148.86 MG |
| | Individual Well Production - Million Gallons | |
| | (a) Well | 395.64 MG |
| | (b) Well | 311.87 MG |
| | (c) Well | 319.81 MG |
| | (d) Well | 382.34 MG |
| | (e) Well | 376.70 MG |
| B. | Equivalent Average Hours/Day Production - | 12.8 |
| C. | Chemicals Required for Treatment - Chlorine (pounds) | 19,698 Lbs. |
| D. | Safe Drinking Water Act (SDWA) Compliance Rating - | 100% |

LABORATORY/MONITORING PROGRAM (COMBINED WATER SUPPLIES):

- A. Conducted over 10,000 water quality analyses during the year.**
- B. Contracted laboratory performed specialized analyses on bacteriological, inorganic, organic, disinfection byproducts (trihalomethanes and haloacetic acids), nitrates, total organic carbon, unregulated contaminant monitoring profiles, synthetic organic compounds, trace metals, radionuclides, and various other specialized contaminants.**
- C. In-house laboratory analyses and monitoring for operational control and reporting purposes are conducted 24x7.**



LOGANSPOUR MUNICIPAL UTILITIES
ANNUAL REPORT OF OPERATIONS – 2017
WATER TREATMENT STATISTICS

WATER TREATED AND PUMPED (BY MONTHS IN 1,000 GALLONS)

| | <u>Wellfield</u> | | <u>Wellfield</u> |
|----------------|------------------|-----------------|------------------|
| January | 147,250 | July | 158,930 |
| February | 136,140 | August | 165,160 |
| March | 145,330 | September | 159,510 |
| April | 130,580 | October | 158,680 |
| May | 132,190 | November | 155,070 |
| June | 148,810 | December | 148,680 |

TOTAL WATER TREATED & PUMPED - KGALS **1,786,330**

CHEMICALS USED DURING 2017

Chlorine - pounds 19,689



WASTEWATER DEPARTMENT BALANCE SHEET

December 31, 2017

ASSETS:

CURRENT ASSETS:

| | | | | |
|---------------------------------------|----|------------|------------|------------|
| Cash-Operating | | \$ | 759,743.86 | |
| Accounts Receivable - Customers | \$ | 266,396.93 | | |
| Accounts Receivable - Other | | 37,242.63 | \$ | 303,639.56 |
| Prepaid Expenses | | | \$ | - |
| Inventories | | | \$ | 8,748.55 |
| Unamortized Bond Costs | | | \$ | - |

INVESTMENTS:

| | | | | |
|----------------------------|----|--------------|----|--------------|
| Operating Reserve | \$ | 645,543.16 | | |
| Construction Fund | | 35,875.85 | | |
| Depreciation Fund | | 2,932,614.09 | | |
| Sinking Fund - Bonds | | 219.87 | | |
| Fiscal Agent..... | | 17,059.40 | | |
| Bond Reserve..... | | 264,792.40 | | |
| Insurance Reserve | | 112,490.20 | \$ | 4,008,594.97 |
| Total Current Assets | | | \$ | 5,080,726.94 |

FIXED ASSETS:

| | | | | |
|--------------------------------------|----|---------------|----|---------------|
| Plant in Service | \$ | 34,986,296.83 | | |
| Construction Work in Progress..... | | 808,116.52 | | |
| Less: Reserve for Depreciation | | 21,508,904.01 | \$ | 14,285,509.34 |

TOTAL ASSETS..... \$ 19,366,236.28



WASTEWATER DEPARTMENT BALANCE SHEET (Continued)

December 31, 2017

LIABILITIES:

CURRENT LIABILITIES:

| | | |
|---------------------------------------|-------------------|---------------|
| Accounts Payable | | \$ 177,040.91 |
| Current Portion Long Term Bonds | \$ 232,000.00 | |
| Accrued Expenses | <u>107,514.95</u> | \$ 339,514.95 |

LONG TERM DEBT:

| | | |
|-------------------------------|---------------|---------------|
| Long Term Portion Bonds | \$ 616,000.00 | \$ 616,000.00 |
|-------------------------------|---------------|---------------|

CONTRIBUTIONS IN AID:

| | | |
|-------------------------|---------------------|------------------|
| Utility Operation | \$ 4,586,290.71 | |
| State Funded | 1,538,451.90 | |
| Federal Funded | <u>8,596,219.17</u> | \$ 14,720,961.78 |

CAPITAL:

| | | |
|-----------------------------|---------------------|-----------------|
| Paid in Capital..... | \$ 856,000.00 | |
| Retained Earnings | 3,183,868.26 | |
| Current Year Earnings | <u>(527,149.62)</u> | \$ 3,512,718.64 |

| | | |
|--------------------------------|--|--------------------------------|
| TOTAL LIABILITIES | | <u>\$ 19,366,236.28</u> |
|--------------------------------|--|--------------------------------|



WASTEWATER DEPARTMENT INCOME STATEMENT

January 1, 2017 to December 31, 2017

REVENUES:

| | | |
|--|-----------------|-----------------|
| Sewage Earnings | \$ 3,978,735.32 | |
| Penalties | \$ 37,486.69 | |
| Miscellaneous Non-Operating Revenues | \$ 39,022.52 | |
| Interest on Short-Term Notes | \$ 54,550.41 | |
| Taps and Permits | \$ 223,889.55 | \$ 4,333,684.49 |

EXPENSES:

| | | |
|---|-----------------|-----------------|
| Sewer Line Expense | \$ 666,991.67 | |
| Sewage Pumping Expense | \$ 514,659.10 | |
| Sewage Treatment Expense | \$ 1,895,545.35 | |
| Administrative and General Expense | \$ 405,878.79 | |
| Depreciation | \$ 705,779.18 | |
| Payroll Taxes, Group Insurance, Pension | \$ 644,356.02 | |
| Interest Expense | \$ 27,624.00 | \$ 4,860,834.11 |

INCOME TRANSFERRED TO SURPLUS..... **\$ (527,149.62)**



WASTEWATER DEPARTMENT CASH FLOW ANALYSIS January 1, 2017 to December 31, 2017

| | | |
|---|-----------------|-----------------|
| Cash in Bank 01/01/17 | | \$ 804,078.91 |
| SOURCE OF FUNDS: | | |
| Net Revenue from Sales | \$ 4,012,731.76 | |
| Interest from Investments | \$ 54,550.41 | |
| Contributions in Aid..... | \$ 64,482.94 | |
| Miscellaneous Revenues..... | \$ 262,912.07 | |
| Note Rec. City/County | \$ - | |
| Bond Refinancing | \$ - | \$ 4,394,677.18 |
| <hr/> | | |
| Total Cash Available | | \$ 5,198,756.09 |
| USE OF FUNDS: | | |
| Operating Expenses | \$ 3,077,196.12 | |
| Administrative Expenses | \$ 1,050,234.81 | |
| Prepayments & Inventory | \$ 667.62 | |
| Less: Increase in Payables & Accruals | | |
| | \$ 41,288.60 | \$ 4,086,809.95 |
| <hr/> | | |
| Cash from Operation | | \$ 1,111,946.14 |
| Capital Improvements | \$ 4,928.62 | |
| Transfers | \$ 347,273.66 | \$ 352,202.28 |
| <hr/> | | |
| Cash in Bank 12/31/17 | | \$ 759,743.86 |
| Invested 12/31/17 | | \$ 759,743.86 |



WASTEWATER DEPARTMENT STATISTICS REPORT
January 1, 2017 to December 31, 2017

PROPERTY AND PLANT VALUATION:

| | |
|------------|------------------|
| 2016..... | \$ 34,985,001.83 |
| 2017 | \$ 34,986,296.83 |

CONSTRUCTION:

| | |
|------------|---------------|
| 2016 | \$ 804,482.90 |
| 2017 | \$ 808,116.52 |

OUTSTANDING BOND OBLIGATION:

| | |
|------------|-----------------|
| 2016 | \$ 1,072,000.00 |
| 2017 | \$ 848,000.00 |

CASH BALANCES:

| | <u>2016</u> | <u>2017</u> |
|---------------------------------------|-----------------|-----------------|
| Cash Operating Fund | \$ 804,078.91 | \$ 759,743.86 |
| Insurance Reserve | \$ 111,208.09 | \$ 112,490.20 |
| Depreciation & Replacement Fund | \$ 2,899,189.46 | \$ 2,932,614.09 |
| Bond & Interest Redemption Fund | \$ 790.26 | \$ 219.87 |
| Bond Reserve Fund | \$ 261,774.40 | \$ 264,792.40 |
| Fiscal Agent..... | \$ 16,864.98 | \$ 17,059.40 |
| Operating Reserve | \$ 591,279.01 | \$ 645,543.16 |



WASTEWATER DEPARTMENT INVESTMENT BALANCES

January 1, 2017 to December 31, 2017

WASTEWATER DEPRECIATION & REPLACEMENT:

| | | |
|----------------------------------|--------------|-----------------|
| Balance, January 1, 2017 | | \$ 2,899,189.46 |
| Transfers | \$ - | |
| Interest Earned | \$ 33,424.63 | 33,424.63 |
| Total Balance and Receipts..... | | \$ 2,932,614.09 |
| Disbursements | \$ - | \$ - |
| Balance, December 31, 2017 | | \$ 2,932,614.09 |

WASTEWATER SINKING:

| | | |
|----------------------------------|---------------|---------------|
| Balance, January 1, 2017 | | \$ 790.26 |
| Transfers | \$ 257,670.00 | |
| Interest Earned | \$ 1,383.61 | 259,053.61 |
| Total Balance and Receipts..... | | \$ 259,843.87 |
| Disbursements | \$ 259,624.00 | 259,624.00 |
| Balance, December 31, 2017 | | \$ 219.87 |

WASTEWATER BOND RESERVE:

| | | |
|----------------------------------|-------------|---------------|
| Balance, January 1, 2017 | | \$ 261,774.40 |
| Transfers | \$ - | |
| Interest Earned | \$ 3,018.00 | 3,018.00 |
| Total Balance and Receipts..... | | \$ 264,792.40 |
| Disbursements | \$ - | 0.00 |
| Balance, December 31, 2017 | | \$ 264,792.40 |

WASTEWATER INVESTMENT WITH FISCAL AGENT:

| | | |
|----------------------------------|-----------|--------------|
| Balance, January 1, 2017 | | \$ 16,864.98 |
| Transfers | \$ - | |
| Interest Earned | \$ 194.42 | 194.42 |
| Total Balance and Receipts..... | | \$ 17,059.40 |
| Disbursements | \$ - | 0.00 |
| Balance, December 31, 2017 | | \$ 17,059.40 |

INSURANCE RESERVE:

| | | |
|----------------------------------|-------------|---------------|
| Balance, January 1, 2017 | | \$ 111,208.09 |
| Transfers | \$ - | |
| Interest Earned | \$ 1,282.11 | 1,282.11 |
| Total Balance and Receipts..... | | \$ 112,490.20 |
| Disbursements | \$ - | 0.00 |
| Balance, December 31, 2017 | | \$ 112,490.20 |



WASTEWATER DEPARTMENT INVESTMENT BALANCES (Continued)
January 1, 2017 to December 31, 2017

OPERATING RESERVE:

| | | | |
|----------------------------------|----|-----------|----------------------|
| Balance, January 1, 2017 | | \$ | 591,279.01 |
| Transfers | \$ | 46,976.00 | |
| Interest Earned | \$ | 7,288.15 | 54,264.15 |
| Total Balance and Receipts..... | | | <u>\$ 645,543.16</u> |
| Disbursements | \$ | - | \$ - |
| Balance, December 31, 2017 | | \$ | 645,543.16 |



**LOGANSPORT MUNICIPAL UTILITIES
ANNUAL REPORT OF OPERATIONS – 2017
WASTEWATER TREATMENT PLANT STATISTICS**

SEWAGE TREATED AND PUMPED (BY MONTHS IN 1,000 GALLONS):

| | | | |
|----------------|---------|-----------------|---------|
| January | 262,570 | July | 341,310 |
| February | 213,640 | August | 267,220 |
| March | 247,690 | September | 216,000 |
| April | 272,400 | October | 226,610 |
| May | 294,190 | November | 269,400 |
| June | 265,800 | December | 206,460 |

TOTAL GALLONS TREATED = 3,083,290

CHEMICALS USED DURING 2017:

| | |
|-----------------------|----------------|
| Liquid Chlorine | 102,000 pounds |
| Sulfur Dioxide | 114,000 pounds |

PRIMARY BIOSOLIDS REMOVED:

| | |
|-----------|--------------------|
| 2017..... | 11,554,900 gallons |
| 2016..... | 11,090,600 gallons |
| 2015..... | 11,339,400 gallons |

TOTAL OF SEWAGE TREATED AS FOLLOWS (IN 1,000 GALLONS):

| | |
|------------------------------------|-----------|
| From City System | 2,451,817 |
| From Tyson's System | 631,473 |
| Total Treated Gallons (2017) | 3,083,290 |
| Total Treated Gallons (2016) | 2,516,510 |
| Total Treated Gallons (2015) | 2,979,570 |



**LOGANSPORT MUNICIPAL UTILITIES
ANNUAL REPORT OF OPERATIONS – 2017
INDUSTRIAL PRETREATMENT STATISTICS**

NPDES DISCHARGE PERMIT #IN0023604:

| Month | Program Fees | User Charge Fees |
|--|---------------------|-------------------------|
| January | \$ 2,286.63 | \$ 33,412.24 |
| February | \$ 1,756.67 | |
| March | \$ 2,227.87 | |
| April | \$ 1,873.36 | |
| May | \$ 328.12 | |
| June | \$ 396.82 | |
| July | \$ 602.09 | |
| August | \$ 632.83 | |
| September | \$ 2,242.76 | |
| October | \$ 2,774.04 | |
| November | \$ 9,484.03 | |
| December | \$ 7,539.60 | |
| Sub-Totals | \$ 32,144.82 | \$ 33,412.24 |
| Total Pretreatment Program Income | - | \$ 65,557.06 |



**LOGANSPORT MUNICIPAL UTILITIES
ANNUAL REPORT OF OPERATIONS – 2017
HAULED-IN WASTE SUMMARY STATISTICS**

NPDES DISCHARGE PERMIT #IN0023604:

| Month | Gallons Received | Revenue |
|---------------|-------------------------|----------------------|
| January | 661,103 | \$ 31,161.63 |
| February | 552,175 | \$ 26,492.68 |
| March | 670,794 | \$ 32,075.63 |
| April | 584,140 | \$ 20,499.43 |
| May | 157,425 | \$ 4,682.42 |
| June | 175,794 | \$ 5,360.61 |
| July | 224,397 | \$ 6,651.99 |
| August | 201,949 | \$ 6,174.26 |
| September | 76,738 | \$ 2,353.52 |
| October | 56,020 | \$ 1,676.80 |
| November | 76,729 | \$ 2,459.16 |
| December | 54,058 | \$ 1,622.32 |
| TOTALS | 3,491,322 | \$ 141,210.45 |



**LOGANSPORT MUNICIPAL UTILITIES
ANNUAL REPORT OF OPERATIONS – 2017
POLLUTANT REMOVAL STATISTICS**

NPDES DISCHARGE PERMIT #IN0023604:

ANNUAL POLLUTANT TREATMENT REMOVALS AND EFFICIENCIES

Total Annual Volume of Contaminants Received & Treated plus Treatment Efficiencies

| | | |
|---|--------------|--------|
| Carbonaceous Biochemical Oxygen Demand (CBOD) | 1,551,273 | pounds |
| Total Suspended Solids (TSS) | 2,840,024 | pounds |
| Total Ammonia | 245,817 | pounds |
| Total Phosphorus | 186,153 | pounds |
| Total Chromium | 227 | pounds |
| Total Copper | 1,569 | pounds |
| Total Lead | 107 | pounds |
| Total Zinc | 3,986 | pounds |
| Total Primary & Secondary Solids | 6,153,587 | pounds |
| Total Final Dewatered Biosolids | 3,907,995 | pounds |
| CBOD Percent Removal Rate | 96% | |
| TSS Percent Removal Rate | 91% | |
| Ammonia Percent Removal Rate | 90% | |
| U.S. EPA / IDEM COMPLIANCE RATING | 99.8% | |



**LOGANSPORT MUNICIPAL UTILITIES
ANNUAL REPORT OF OPERATIONS – 2017
ANNUAL RUNNING AVERAGE COMPLIANCE STATUS**

NPDES DISCHARGE PERMIT #IN0023604:

| Parameter | Annual Average | NPDES Limit* |
|--------------------|-----------------------|----------------------|
| Dissolved Oxygen | 8.5 | 6.0 mg/L min. |
| Solids - Mass | 752 | 4,506.3 lbs/day max. |
| Solids - Conc. | 10 | 30 mg/L max. |
| Ammonia - Mass | 71 | 600.8 lbs/day max. |
| Ammonia - Conc. | 1.0 | 4 mg/L max. |
| CBOD5 - Mass | 179 | 3,755.3 lbs/day max. |
| CBOD5 - Conc. | 3 | 25 mg/L max. |
| Chlorine Residual | 0.02 | 0.04 mg/L max. |
| Phosphorus - Conc. | 0.8 | 1.0 mg/L mo. avg. |
| E. Coli. | 4 | 125 CFU/100 ml max. |
| Chromium | 0.003 | 2.81 mg/L max. |
| Copper | 0.011 | 0.033 mg/L max. |
| Lead | 0.001 | 0.025 mg/L max. |
| Zinc | 0.022 | 0.208 mg/L max. |

*As regulated by the U.S. EPA & the Indiana Department of Environmental Management under the Clean Water Act



**LOGANSPORT MUNICIPAL UTILITIES
ANNUAL REPORT OF OPERATIONS – 2017
WASTEWATER COLLECTION SYSTEM STATISTICS**

MAINTENANCE OPERATIONS:

| | |
|--|-------------|
| Mains Televised, Feet | 7,922 Ft. |
| Mains Repaired, Feet | 24 Ft. |
| Mains Rooted and Rodded, Linear Feet | 8,987 Ft. |
| Sewer Solvent Applied, Pounds | 17,500 Lbs. |
| Grit & Debris Removed, Cubic Yards | 330 Yds. |
| Mains Applied with Root Treatment, Linear Feet | 3,594 Ft. |
| Manholes Raised | 52 |
| Manhole Covers and Castings Replaced | 24 |
| Manhole Covers Only Replaced | 6 |
| Catch Basins Cleaned and/or Repaired | 148 |
| Catch Basin Grates Replaced | 12 |
| Traps Installed | 2 |
| New Manholes Installed | 1 |
| New Sewer Mains or Force Mains Extended, Feet | 0 |
| New Sewer Services Installed | 10 |

SERVICE CALLS:

| | |
|-----------------------------|-------|
| Sewer Mains Located | 2,198 |
| Miscellaneous Service Calls | 210 |

WASTEWATER SYSTEM TOTALS:

| | |
|-------------------------------------|-------|
| Total Number of Customers | 7,319 |
| Miles of Main Operated & Maintained | 135 |



**LOGANSPORT MUNICIPAL UTILITIES
ANNUAL REPORT OF OPERATIONS – 2017
FINAL BIOSOLIDS PRODUCTION STATISTICS**

NPDES DISCHARGE PERMIT #IN0023604:

Final Dewatered Biosolids Disposal 503 Reg Worksheet

Biosolids Disposal Method: 100% Landfilled

| 2017 DEWATERED BIOSOLIDS PRODUCTION DATA | | | | | |
|--|---------|------|-------|-----------|------------|
| MONTH | yd3/day | days | %TS | dry lbs. | wet lbs. |
| JAN | 34 | 28 | 21.79 | 327,093 | 1,501,114 |
| FEB | 31 | 24 | 21.07 | 247,180 | 1,173,139 |
| MAR | 37 | 26 | 23.69 | 359,349 | 1,516,882 |
| APR | 33 | 25 | 26.82 | 348,891 | 1,300,860 |
| MAY | 33 | 26 | 26.02 | 352,023 | 1,352,894 |
| JUN | 24 | 28 | 28.45 | 301,459 | 1,059,610 |
| JUL | 29 | 28 | 27.75 | 355,300 | 1,280,362 |
| AUG | 25 | 29 | 27.50 | 314,375 | 1,143,180 |
| SEP | 26 | 25 | 26.68 | 273,449 | 1,024,920 |
| OCT | 31 | 27 | 27.29 | 360,168 | 1,319,782 |
| NOV | 31 | 27 | 26.86 | 354,493 | 1,319,782 |
| DEC | 29 | 27 | 25.45 | 314,214 | 1,234,634 |
| TOT | | 320 | | 3,907,994 | 15,227,158 |
| AVG | 30 | 27 | 25.78 | 325,666 | 1,268,930 |
| MAX | 37 | 29 | 28.45 | 360,168 | 1,516,882 |
| MIN | 24 | 24 | 21.07 | 247,180 | 1,024,920 |

| | DRY | WET |
|--|-----------|------------|
| Total Final DWB Produced, Pounds: | 3,907,994 | 15,227,158 |
| Total Final DWB Produced, Tons: | 1954.00 | 7,613.58 |
| Total Final DWB Produced, Metric Tons: | 1771.49 | 6,902.47 |



**LOGANSPORT MUNICIPAL UTILITIES
ANNUAL REPORT OF OPERATIONS – 2017
COMBINED SEWER OVERFLOW STATISTICS**

NPDES DISCHARGE PERMIT #IN0023604

| Month | Total Precip In. | CSO #002 MG's | CSO #003 MG's | CSO #004 MG's | CSO #005 MG's | CSO #006 MG's | CSO #007 MG's | CSO #008 MG's | CSO #009 MG's | CSO #010 MG's | CSO #011 MG's | CSO #012 MG's | CSO #013 MG's | CSO #015 MG's | CSO #016 MG's | CSO #018 MG's | Total # Events |
|--------------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Jan | 4.12 | | | | 8.060 | | | | | | | 0.019 | | 5.633 | 1.822 | | 8 |
| Feb | 1.77 | | | | 2.955 | | | | | | 0.006 | 0.008 | | 1.602 | 0.706 | | 3 |
| Mar | 4.49 | | | | 0.018 | 0.001 | | 0.001 | | | 0.002 | 0.018 | | 7.304 | 1.925 | | 7 |
| Apr | 5.33 | | | | 1.556 | 0.003 | | | | | 0.001 | 0.009 | | 3.881 | 1.710 | | 9 |
| May | 5.54 | | | | 6.109 | 0.050 | | | | | 0.003 | 0.022 | | 4.099 | 3.915 | | 10 |
| Jun | 6.51 | | | | 8.208 | | | 0.715 | | | 0.284 | 0.799 | | 5.041 | 8.536 | | 8 |
| Jul | 8.60 | | | | 9.419 | | | 6.614 | | | 0.801 | 3.803 | | 8.804 | 12.946 | 1.486 | 8 |
| Aug | 4.48 | | | | 4.780 | | | 0.693 | | | 0.140 | 1.469 | | 3.159 | 4.647 | | 6 |
| Sep | 1.46 | | | | 1.035 | | | 0.013 | | | 0.001 | 0.276 | | 0.783 | 0.800 | | 2 |
| Oct | 3.95 | | | | 1.738 | | | 0.142 | | | 0.028 | 0.571 | | 2.495 | 1.489 | | 4 |
| Nov | 5.68 | | | | 5.513 | | | 3.312 | | | 0.256 | 2.250 | | 6.934 | 5.679 | | 4 |
| Dec | 0.25 | | | | | | | | | | | | | | | | 0 |
| Total | 52.18 | 0.000 | 0.000 | 0.000 | 49.391 | 0.054 | 0.000 | 11.490 | 0.000 | 0.000 | 1.522 | 9.244 | 0.000 | 49.735 | 44.175 | 1.486 | 69 |
| Avg | 4.35 | 0.000 | #DIV/0! | #DIV/0! | 4.490 | 0.005 | 0.000 | 1.641 | 0.000 | 0.000 | 0.152 | 0.840 | 0.000 | 4.521 | 4.016 | 0.743 | 6 |
| Max | 8.60 | 0.000 | 0.000 | 0.000 | 9.419 | 0.050 | 0.000 | 6.614 | 0.000 | 0.000 | 0.801 | 3.803 | 0.000 | 8.804 | 12.946 | 1.486 | 10 |
| Min | 0.25 | 0.000 | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.001 | 0.008 | 0.000 | 0.783 | 0.706 | 0.000 | 0 |
| Pct | | 0.0% | 0.0% | 0.0% | 29.6% | 0.0% | 0.0% | 6.9% | 0.0% | 0.0% | 0.9% | 5.5% | 0.0% | 29.8% | 26.4% | 0.9% | |

Annual Totals For 2017: MG's Discharged: 167.097
Precip. Inches: 52.18 (Normal = 38.48")
Discharge Days: 69
MG: In Ratio: 3.202
MG: Day Ratio: 2.422



LOGANSPOURT MUNICIPAL UTILITIES ANNUAL REPORT OF OPERATIONS – 2017 WASTEWATER TREATMENT PLANT STATISTICS

Logansport Municipal Utilities

Annual Summation of Monthly Reports of Operation
2017

| | |
|---------------------|------|
| Plant Design Flow | 9.00 |
| Annual Average Flow | 8.45 |
| Capacity Used | 94% |

| PERCENT REMOVAL SUMMARY | | | | |
|-------------------------|------|------|---------|------------|
| | BOD5 | S.S. | Ammonia | Phosphorus |
| Primary Treatment | 58 | 68 | | |
| Secondary Treatment | 90 | 74 | | |
| Tertiary Treatment | | | | |
| Overall Treatment | 96 | 91 | 90 | 90 |

| | Precipitation - Inches | Bypass At Plant Site ("x" if Occurred) | Collection System Overflow ("x" if Occurred) | CHEMICALS USED | | RAW SEWAGE | | | | | | | | | | PRIMARY EFFLUENT | | AERATION | | | | SECONDARY EFFLUENT | | |
|---|------------------------|--|--|----------------|----------------------|------------------------|-----|--------------|-------------|---------------------|--------------------|-------------------|----------------|---------------|--------------|---------------------|-----------------------------------|---------------------|---------------------------|-------------------------|-------------|---------------------|--------------|---------------------|
| | | | | Chlorine - Lbs | Sulfur Dioxide - Lbs | Influent Flow Rate MGD | pH | CBOD5 - mg/l | CBOD5 - lbs | Susp. Solids - mg/l | Susp. Solids - lbs | Phosphorus - mg/l | Ammonia - mg/l | Ammonia - lbs | CBOD5 - mg/l | Susp. Solids - mg/l | Settleable Solids % in 30 minutes | Susp. Solids - mg/l | Sludge Vol. Index - ml/gm | Dissolved Oxygen - mg/l | Volume - MG | Susp. Solids - mg/l | CBOD5 - mg/l | Susp. Solids - mg/l |
| Average | | | | 484 | 528 | 7.84 | | 65 | 4041 | 119 | 7510 | 7.8 | 10.3 | 648 | 27 | 37 | 13.0 | 2719 | 48 | 7.3 | 4.4 | 7673 | 3 | 10 |
| Maximum | 2.86 | | | 813 | 946 | 18.22 | 7.8 | 143 | 9451 | 929 | 61828 | 15.3 | 23.4 | 1565 | 72 | 97 | 35.5 | 3928 | 121 | 10.9 | 9.9 | 14465 | 14 | 63 |
| Minimum | | | | 249 | 229 | 3.73 | 6.5 | 5 | 760 | 21 | 3191 | 3.2 | 3.3 | 243 | 9 | 13 | 7.0 | 1663 | 23 | 0.8 | 3.4 | 4345 | 1 | 3 |
| Totals | 52.18 | 0 | 0 | 105424 | 116101 | 2863 | | | 1054645 | | 1960047 | | | | | | | | | | 1588 | | | |
| No. of Data | 127 | | | 218 | 220 | 365 | 261 | 261 | 261 | 261 | 261 | 52 | 261 | 261 | 261 | 261 | 365 | 365 | 365 | 365 | 365 | 261 | 261 | |
| Estimated Annual Totals (Average X 365) | | | | | | | | | 1,474,887 | | 2,741,063 | | | | | | | | | | | | | |

| | Residual Chlorine - Final | E. Coli - colony/100 ml | pH | Dissolved Oxygen - mg/l | Flow | | BOD | | Total Suspended Solids | | | | Ammonia | | | Other | | SLUDGE TO THICKENER | | | | | |
|---|---------------------------|-------------------------|-----|-------------------------|--------------------------|------------------------------|--------------|-----------------------------|------------------------|--------------------------------|---------------------|------------------------------------|--------------------|---------------------------------------|----------------|-------------------------------|---------------|----------------------------------|-------------------|------------------|----------------------------|-------------------------------|--|
| | | | | | Influent Flow Rate (MGD) | Effluent Flow Weekly Average | CBOD5 - mg/l | CBOD5 - mg/l Weekly Average | CBOD5 - lbs | CBOD5 - lbs/day Weekly Average | Susp. Solids - mg/l | Susp. Solids - mg/l Weekly Average | Susp. Solids - lbs | Susp. Solids - lbs/day Weekly Average | Ammonia - mg/l | Ammonia - mg/l Weekly Average | Ammonia - lbs | Ammonia - lbs/day Weekly Average | Phosphorus - mg/l | Phosphorus - lbs | Primary Sludge Gal. x 1000 | Waste Act. Sludge Gal. x 1000 | |
| Average | 0.02 | 4 | | 8.5 | 8.45 | | 3 | 179 | 10 | 752 | 1.0 | 71 | 0.8 | 58 | 31.7 | 180 | | | | | | | |
| Maximum | 0.02 | 2420 | 8.1 | 10.5 | 19.14 | 13.65 | 12 | 7 | 1262 | 498 | 79 | 26 | 8307 | 2429 | 9.5 | 5.6 | 629 | 387 | 5.6 | 348 | 105.1 | 218 | |
| Minimum | 0.02 | 1 | 6.5 | 7.1 | 4.08 | 5.77 | 1 | 1 | 50 | 79 | 2 | 3 | 138 | 230 | 0.1 | 0.1 | 8 | 0.1 | 7 | 21.2 | 3 | | |
| Totals | | | | | 3084 | | | | 16811 | | | | 196370 | | | | 18634 | | 43 | 3034 | 11554 | 65543 | |
| No. of Data | 157 | 153 | 261 | 365 | 365 | | 261 | 261 | 261 | 261 | 261 | 261 | 261 | 261 | 261 | 261 | 365 | 365 | 365 | 365 | 364 | | |
| Estimated Annual Totals (Average X 365) | | | | | 3,084 | | | | 65,464 | | | | 274,618 | | | | 26,058 | | | | | | |

| | BIOSOLIDS OPERATIONS | | | | | | | | | |
|-------------|---------------------------------|-----------------|--|---|-------------------------------------|-------------------------------------|-------------------------------------|--|--|-------------------------------------|
| | Anaerobic Only | | | Supernatant Withdrawn hrs. or Gal. x 1000 | Supernatant BOD5 mg/l or NH3-N mg/l | Total Solids in Incoming Sludge - % | Total Solids in Digested Sludge - % | Volatile Solids in Incoming Sludge - % | Volatile Solids in Digested Sludge - % | Dewatered Sludge Withdrawn - Cu Yds |
| pH | Gas Production Cubic Ft. x 1000 | Temperature - F | | | | | | | | |
| Average | | | | 2.02 | 25.83 | 74.6 | 55.2 | 30 | | |
| Maximum | | | | 4.72 | 36.60 | 86.6 | 76.9 | 81 | | |
| Minimum | | | | 0.61 | 10.01 | 19.7 | 41.3 | 6 | | |
| Totals | | | | | | | | 9699 | | |
| No. of Data | | | | 365 | 319 | 365 | 319 | 320 | | |



LOGANSPORT MUNICIPAL UTILITIES WASTEWATER TREATMENT PLANT

ANNUAL REPORT OF OPERATIONS - 2017 -



The LMU Wastewater Treatment Plant had another productive year during 2017. More than three billion gallons of waste water were treated at the facility, consisting of over 1.5 million pounds of carbonaceous bio chemical oxygen demand, over 2.8 million pounds of total suspended solids, over 245,000 pounds of ammonia as nitrogen, and over 186,000 pounds of phosphorus. Included in this volume were over 2.9 tons of trace metals. Additionally, over 6.1 million pounds of primary and secondary solids were treated, culminating into over 3.9 million pounds of dewatered biosolids. Fifty-one tons of chlorine were used to disinfect the effluent during the seasonal period, while fifty-seven tons of sulfur dioxide were used to dechlorinate the effluent waters prior to discharge into the Wabash River. E-Coli. levels in the discharge were reduced to four colonies per 100 milliliters, as our annual running average, which is well below the 125 colonies/100ml standard. Treatment removal efficiencies for solids, CBOD, ammonia, and phosphorus were in or near the ninetieth percentile.



The LMU treatment plant also accepted over 3.4 million gallons of hauled-in wastewater, consisting of over 660,000 gallons of septage and over 2.8 million gallons of sanitary landfill leachate waters. This service provided a safe, dependable means of disposal and treatment of wastewater that might otherwise pollute our environment.

The LMU WWTP celebrated a 99.8% compliance rating with all regulatory issues. Plant personnel continued another year of high level performance in the operation and maintenance of LMU Wastewater Treatment Plant, O&M of the Tyson Foods pretreatment plant—which happened to treat over 631 million gallons—oversight of fifteen industrial dischargers, analyses of over 16,000 laboratory tests, and the assistance given to our sister utilities, our customers, and the various environmental groups and extended communities.



STORMWATER DEPARTMENT BALANCE SHEET

December 31, 2017

ASSETS:

CURRENT ASSETS:

| | | | |
|--------------------------------------|----|------------|---------------|
| Cash-Operating | | \$ | 90,344.37 |
| Accounts Receivable - Customers..... | \$ | 108,856.02 | |
| Accounts Receivable-Other | \$ | - | \$ 108,856.02 |

INVESTMENTS:

| | | | |
|----------------------------|----|--------------|------------------------|
| Construction Fund..... | \$ | 294,328.00 | |
| Depreciation Fund..... | \$ | 1,223,430.40 | |
| Sinking Fund-Bonds..... | \$ | 957,560.98 | |
| Operating Reserve | \$ | 967,546.60 | |
| Bond Reserve | \$ | 778,623.65 | \$ 4,221,489.63 |
| Total Current Assets | | | <u>\$ 4,420,690.02</u> |

FIXED ASSETS:

| | | | |
|--------------------------------------|----|---------------|-------------------------|
| Plant in Service | \$ | 15,629,595.74 | |
| Construction Work in Progress | \$ | 7,994,704.35 | |
| Less: Reserve for Depreciation | \$ | 2,634,718.48 | \$ 20,989,581.61 |
| TOTAL ASSETS | | | <u>\$ 25,410,271.63</u> |



STORMWATER DEPARTMENT BALANCE SHEET (Continued)

December 31, 2017

LIABILITIES:

CURRENT LIABILITIES:

| | | | |
|---------------------------------------|----|------------------|---------------|
| Accounts Payable | | \$ | 201,892.22 |
| Current Portion Long Term Bonds | \$ | 697,616.00 | |
| Accrued Expenses | \$ | 1,277.99 | |
| Accrued Interest | \$ | <u>94,892.61</u> | \$ 793,786.60 |

LONG TERM DEBT:

| | | | |
|-------------------------------|----|----------------------|------------------|
| Long Term Portion-Bonds | \$ | <u>12,447,538.00</u> | \$ 12,447,538.00 |
|-------------------------------|----|----------------------|------------------|

CONTRIBUTIONS IN AID:

| | | | |
|-------------------------|----|-------------------|-----------------|
| Utility Operation | \$ | 592,980.04 | |
| State Funded | \$ | 373,387.09 | |
| Federal Funded | \$ | <u>539,013.00</u> | \$ 1,505,380.13 |

CAPITAL:

| | | | |
|-----------------------------|----|-------------------|------------------|
| Paid in Capital | \$ | - | |
| Retained Earnings | \$ | 9,820,182.01 | |
| Current Year Earnings | \$ | <u>641,492.67</u> | \$ 10,461,674.68 |

| | | | |
|--------------------------------|--|--|--------------------------------|
| TOTAL LIABILITIES | | | <u>\$ 25,410,271.63</u> |
|--------------------------------|--|--|--------------------------------|



STORMWATER DEPARTMENT INCOME STATEMENT
January 1, 2017 to December 31, 2017

REVENUES:

| | | | |
|--|----|--------------|-----------------|
| Earnings | \$ | 1,442,780.47 | |
| Penalties..... | | 21,809.64 | |
| Miscellaneous Non-Operating Revenue..... | | 2,938.65 | |
| Interest Income..... | | 37,930.92 | |
| | | | \$ 1,505,459.68 |

EXPENSES:

| | | | |
|---------------------------------------|----|------------|---------------|
| Line Expense..... | \$ | 100,176.86 | |
| Administrative & General Expense..... | | 220,957.04 | |
| Depreciation | | 334,069.89 | |
| Interest Expense | | 208,763.22 | |
| | | | \$ 863,967.01 |

INCOME TRANSFERRED TO SURPLUS..... \$ 641,492.67

PROPERTY AND PLANT VALUATION:

| | | |
|-----------|----|---------------|
| 2016..... | \$ | 15,629,595.74 |
| 2017..... | \$ | 15,629,595.74 |

CONSTRUCTION:

| | | |
|-----------|----|--------------|
| 2016..... | \$ | 7,359,908.15 |
| 2017..... | \$ | 7,994,704.35 |

OUTSTANDING BOND OBLIGATION:

| | | |
|-----------|----|---------------|
| 2016..... | \$ | 13,830,984.00 |
| 2017..... | \$ | 13,145,154.00 |

CASH BALANCES:

| | | <u>2016</u> | <u>2017</u> |
|--------------------------------------|----|--------------|-----------------|
| Cash Operating Fund | \$ | 190,419.69 | \$ 90,344.37 |
| Operating Reserve | \$ | 956,518.95 | \$ 967,546.60 |
| Depreciation & Replacement Fund..... | \$ | 1,513,248.02 | \$ 1,223,430.40 |
| Bond Sinking Fund | \$ | 928,922.52 | \$ 957,560.98 |
| Bond Reserve Fund..... | \$ | 585,222.19 | \$ 778,623.65 |
| Construction Fund | \$ | 309,889.00 | \$ 294,328.00 |



STORMWATER DEPARTMENT INVESTMENT BALANCES January 1, 2017 to December 31, 2017

| | | |
|---|---------------|------------------------|
| STORMWATER DEPRECIATION AND REPLACEMENT: | | |
| Balance, January 1, 2017 | | \$ 1,513,248.02 |
| Transfers | \$ 50,000.00 | |
| Interest Earned | \$ 17,182.38 | \$ 67,182.38 |
| Total Balance and Receipts | | <u>\$ 1,580,430.40</u> |
| Disbursements | \$ 357,000.00 | \$ 357,000.00 |
| Balance, December 31, 2017 | | <u>\$ 1,223,430.40</u> |
| STORMWATER BOND SINKING: | | |
| Balance, January 1, 2017 | | \$ 928,922.52 |
| Transfers | \$ 944,328.00 | |
| Interest Earned | \$ 3,774.06 | \$ 948,102.06 |
| Total Balance and Receipts | | <u>\$ 1,877,024.58</u> |
| Disbursements | \$ 919,463.60 | \$ 919,463.60 |
| Balance, December 31, 2017 | | <u>\$ 957,560.98</u> |
| STORMWATER BOND RESERVE: | | |
| Balance, January 1, 2017 | | \$ 585,222.19 |
| Transfers | \$ 188,865.00 | |
| Interest Earned | \$ 4,536.46 | \$ 193,401.46 |
| Total Balance and Receipts | | <u>\$ 778,623.65</u> |
| Disbursements | \$ - | \$ - |
| Balance, December 31, 2017 | | <u>\$ 778,623.65</u> |
| STORMWATER OPERATING RESERVE: | | |
| Balance, January 1, 2017 | | \$ 956,518.95 |
| Transfers | \$ - | |
| Interest Earned | \$ 11,027.65 | \$ 11,027.65 |
| Total Balance and Receipts | | <u>\$ 967,546.60</u> |
| Disbursements | \$ - | \$ - |
| Balance, December 31, 2017 | | <u>\$ 967,546.60</u> |



STORMWATER DEPARTMENT INVESTMENT BALANCES (Continued)
January 1, 2017 to December 31, 2017

CONSTRUCTION FUND BALANCE:

| | | |
|---|---------------------|-----------------------------|
| Balance, January 1, 2017 | | \$ 309,889.00 |
| Transfers | \$ - | |
| Interest Earned | \$ - | \$ - |
| Total Balance and Receipts..... | | <u>\$ 309,889.00</u> |
| Disbursements | <u>\$ 15,561.00</u> | <u>\$ 15,561.00</u> |
| Balance, December 31, 2017 | | <u>\$ 294,328.00</u> |



LOGANSPORT MUNICIPAL UTILITIES ANNUAL REPORT OF OPERATIONS – 2017 STORMWATER SYSTEM STATISTICS

| | |
|---|-------------------|
| Stormwater Mains Televised, Feet | 560 Ft. |
| Catch Basins/Manholes Rebuilt/Repaired | 12 |
| Mains Cleaned & Rodded, Feet | 3,700 Ft. |
| Grit and Debris Removed, Cubic Feet | 75 Yds. |
| Grate Covers & Castings Replaced | 11 |
| Catch Basins Cleaned | 23 |
| Stormwater Lines Repaired, Feet | 40 Ft. |
| New Storm Lines Installed, Feet | 0 |
| New Manholes Installed | 3 |
| New Inlets Installed | 0 |
| Outfall Inspections, Testing, Maintenance, Cleaning | 46 x 2 ea. |
| Debris Removed from River Banks, Cubic Yards | 30 Yds |
| Illicit Discharge Investigations & Stream Monitoring | 8 |
| Public Hearings/Special Meetings/Educational Presentations | 13 |
| Rule 13 Stormwater Projects Monitored | 1 |
| Annual Precipitation, Inches (38.48 inches per year considered "Normal") | 52.18" |
| Stormwater Lines Operated & Maintained, Miles | 20 |



LOGANSPORT MUNICIPAL UTILITIES ANNUAL REPORT OF OPERATIONS – 2017 W-WW-SW DEPARTMENTS SUMMARY

In June 2017, Mr. Jim Jackson, former Water, Wastewater, and Stormwater Manager, celebrated his retirement after more than 37 years of exceptional service to LMU. Throughout his career, Mr. Jackson was directly involved in the planning and implementation of numerous projects that continue to make our utilities run more efficiently. With his retirement, Brian Dewitt was named Wastewater Manager, and Cameron Dillon was named Water Manager.

In 2017, the Water Department had several goals to increase the efficiency of water flow, which in turn gives the consumer higher quality water. One of the main goals was installing a SCADA controlled valve at a river crossing on the south side of Logansport. The completion of the project gave LMU Water Operators the ability to fine tune pressures and flow throughout that portion of the distribution system. Additionally, the Water Department completed one stage of its “Race Street Project,” which involved the abandonment of an old 24-inch water main utilized by the now retired Water Treatment Plant. By doing so, LMU crews also had to relocate the service lines for the residences along Race Street to an existing 24-inch main on the opposite side of the street.

There were several other projects completed by the LMU crews during 2017. Throughout the year, the distribution crew replaced several sections of failing galvanized lines throughout the community. This not only improves flow through the system and reduces water loss due to leaks, but most importantly increases the reliability of service to the consumer. With the help of employees from the Water Department, the distribution crew was able to repaint all of the “Downtown District” fire hydrants and complete several paving projects that involved raising manholes, castings, catch basins, and valve boxes. The crews also completed a massive stormwater project near the intersection of High Street and Davis Road, which involved removing trees, clearing brush, dredging, and redefining an open stormwater drainage ditch. This ditch is the main relief for the area, including the intersection of 24th and North Streets. The project took just over 6 weeks and substantially improved water flow and drainage in the area. All in all, 2017 was a productive and successful year for the Water, Wastewater and Stormwater Departments. With the projects that were completed throughout the year and the projects that were planned and started towards the close of 2017, the pace has been set and we hope to make 2018 just as successful.



LOGANSPORT MUNICIPAL UTILITIES

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