

DEPARTMENT OF PUBLIC WORKS

2018 Annual Report

I. OVERVIEW

In 2018, the Public Works Department prepared 99 City Council agenda items and staff attended meetings related to the Palouse Basin Aquifer Committee (PBAC), and Palouse Regional Transportation Planning Organization (PRTPO), as well as continued to track the Total Maximum Daily Load (TMDL) development process for the South Fork of the Palouse River. Completed Strategic Planning work and developed departmental work plan.

II. DIVISIONAL ACTIVITIES

A. Engineering Division

In 2018, engineering services were provided for the construction of the following major projects:

<u>Project:</u>	<u>Valuation:</u>
WWTP UV Disinfection (ongoing)	\$ 1,743,302
Accelerated Streets Resurfacing 2018	\$ 496,297
Water Tank 11 & Booster Pump Station 11 (ongoing).....	\$ 461,985
Bishop Boulevard Bridges Deck Resurfacing	\$ 231,144
Pullman's Welcome Wayside.....	\$ 193,096
Sidewalks 2018	\$ 93,933
Fuel Island Relocation (completion).....	\$ 70,877
Sanitary Sewer Rehabilitation 2018.....	\$ 55,320
Pullman Pedestrian Signal Improvements	\$ 54,920
WWTP Influent Pump Replacement (completion).....	\$ 54,739
Accelerated Streets Resurfacing 2017 (retainage).....	\$ 40,542
M&O Breakroom Roof Replacement Project.....	\$ 28,897
Street Crackfill 2018	\$ 11,705
	<hr/>
	\$ 3,536,757

Inspection of the construction of the public works improvements for the following developments:

- 910 NE Indiana Street
- Alpha Apartments – 1035 NE Alpha Road
- Bestebreuer Tri-Plex (*completed*) – SE Barnes Court
- Birch Hills Apartments Ph. 2 (*completed*) – 2200 NE Westwood Drive
- Bishop Professional Buildings (*ongoing*) – 650 SE Bishop Boulevard & 1550 SE Harvest Drive
- Brelsford Commercial Park (*ongoing*) – Bishop Boulevard/Brelsford Drive
- College Crest Leasing Office & Units (*ongoing*) – 1555 NE Merman Drive

Coug Housing (*ongoing*) – 446 NE Oak Street
Delta Gamma Sorority Addition (*completed*) – 715 NE Linden Street
Encounter Ministries (remodel of existing structure) – 645 N Grand Avenue
Evolve on Main (*ongoing*) – 400-block E Main Street
The Flats Apartments (*ongoing*) – 1880 NE Terre View Drive (*punchlist*)
The Hills on Grand – 2905 N Grand Avenue
Kamiak Elementary School (*ongoing*) – 1400 NW Terre View Drive
The Lumberyard (*completed*) – 305 N Grand Avenue
NSK Cannabis – 1212 N Grand Avenue
SEL Industrial Building (*completed*) – 2454 NE Andrus Drive
SEL zBeta Building (*completed*) – 1830 NE Schweitzer Drive
Sundance South Subdivision (*ongoing*) – S Grand Avenue
Valley Road Apartments (*ongoing*) – 1233 & 1243 NE Valley Road
Barclay Estate No. 3 (subd.) – Sunnyside Hill (*punchlist*)
Paradise Hills No. 8 (subd.) – Military Hill (*ongoing*)
Sunnyside Heights No. 10 (subd.) – Sunnyside Hill (*punchlist*)
Whispering Hills West 2.0 No. 2 (subd.) – Sunnyside Hill (*punchlist*)

Other significant activities include:

- Design of Accelerated Streets Resurfacing 2019
- Design of Autumn-Summer Waterline Replacement
- Design of Crestview Street and Miscellaneous Stormwater Improvements
- Design of Grand Avenue/Center Street Traffic Signal
- Design of Itani Linear Park Pond Improvements
- Design of M&O yard expansion
- Design of Paths 2019
- Design of Sidewalks 2019
- Design of South Street Utility Replacement
- Design of Spring Street Utility Upgrades
- Design of Sunnyside ADA Improvements
- Design of WWTP – Headworks Perforated Plate Screen
- Implementation work toward electronic permit software (*ongoing*)

B. Protective Inspections Division

Activity in the Protective Inspections division was mixed:

- Inspections were up in 2018 with 3,778 inspections made compared to 3,509 in 2017, an increase of roughly 7.7%.
- The number of permits issued in 2018 was down slightly from 704 permits in 2017 with 685 permits issued in 2018, a decrease of approximately 2.3%. The overall valuation of work permitted also decreased from \$128,245,042 and \$878,216 in fees collected in 2017 compared to \$104,510,058 in valuation and \$800,157 in fees collected in 2018, an 18.5% reduction in valuation and 8.8% reduction in fees collected.

- The total valuation of work permitted for WSU in 2017 was \$10,705,411, which accounted for 8.3% of the total valuation for the year. In 2018, we saw an increase in WSU building, with a decrease in private building throughout the City. The total valuation for WSU projects in 2018 was \$22,802,927, which accounted for 21.8% of the total permitted work.
- 10 housing life/safety complaints were received; 7 resolved, 2 in progress, 1 closed for non-responsive complainant.

Major building activity included the following:

- WSU Building Permits (plan review and inspections), including:
 - 1772 NE Stadium Way – Plant Sciences Building (*ongoing*)
 - 1940 SE Olympia Avenue – Global Animal Health Building (*ongoing*)
 - College Avenue – WSU Steam Tunnel Lid Replacement (*ongoing*)
 - 3860 NE Antelope Trail – 7 WSU/USDA research bldgs. (*ongoing*)
 - 300 NE Veterans Mall – Eastlick Laboratory Remodel (*completion*)
 - 2035 NE Ferdinand’s Lane – catwalk system (*completion*)
 - WSU Annual Permit
- Pullman-Moscow Regional Airport runway re-alignment grading (*ongoing*)
- The Hills on Grand complex of duplexes – 2905 N. Grand Avenue (*ongoing*)
- Water Tank 11 and Booster Pump Station 11 – 2000 block of N. Grand Avenue (*ongoing*)
- SEL Zocholl Pedestrian Bridge – 1800-1830 NE Schweitzer Drive (*completion*)
- SEL Z beta building – 1830 NE Schweitzer Drive (*completion*)
- SEL Industrial Building – 2454 NE Andrus Drive (*completion*)
- Birch Hills Apartments Phase II – 2200 NE Westwood Drive (*completion*)
- Kamiak Elementary School – 1400 NW Terre View Drive (*ongoing*)
- Evolve on Main – 405-465 E Main Street (*ongoing*)
- Pullman Regional Hospital 2-story addition – 835 SE Bishop Blvd. (*ongoing*)
- Delta Gamma Sorority addition – 715 NE Linden Street (*completion*)
- New Office Building – 650 SE Bishop Boulevard (*ongoing*)
- City Wastewater Treatment Plant UV disinfection – 1025 NW Guy St (*ongoing*)
- Banner Bank Building w/2-lane drive-through – 1550 SE Harvest Drive (*ongoing*)
- Walmart Retaining Wall – 1690 SE Harvest Drive (*completion*)
- 14-unit apartment building on College Hill – 446 NE Oak Street (*ongoing*)
- Encounter Ministries remodel – 645 N Grand Avenue (*ongoing*)
- Change of occupancy from restaurant to dental office – 1095 SE Bishop Blvd. (*completion*)
- Certificates of Occupancy issued for 75 single-family homes, townhomes, & duplexes

- Permits were issued for:
 - 16 new single family homes
 - 0 townhouse buildings
 - 102 duplexes
 - 1 multi-unit apartment buildings, for 14 new units
 - 3 commercial structures
 - 217 building remodels and additions
 - 179 for mechanical/plumbing work
 - 17 signs
 - 14 demolitions
 - 27 WSU
 - 100 other

C. Stormwater Services Division

2018 saw successful implementation of the City's Stormwater Management Program.

Notable activities included:

General Program Administration (including S5.A. and S9)

- Updated the City's Stormwater Management Program (SWMP)
- Completed Phase II Municipal Stormwater Permit Annual Report
- Represented Pullman at the *Stormwater Management Manual for Eastern Washington* (SWMMEW) update meetings
- Chaired the Eastern Washington Stormwater Group (EWSWG) regional coordination meetings (8).
- Coordination w/ Ecology (Permit Implementation) – (ongoing)
- Coordination w/ WSU (Secondary Permittee) – (ongoing)
- Provided formal comments on the Draft 2019-2024 Permit

Public Education & Outreach (S5.B.1.)

- Pursued education and outreach efforts via website, news media, radio PSAs and personal interaction with customers.
- Negotiated and executed a contract with PCEI for Stormwater Education (5th Grade); 231 students reached
- Negotiated and executed a contract with Palouse Conservation District (PCD) for Stormwater Education (3rd, 4th and 8th Grade); 450 students reached
- Partnered with PCD to implement 16-segment Adopt-a-Stream program.
- Hosted the 14th Annual Pullman Stream Cleanup; 252 community members in attendance
- Jefferson Elementary Green Team support (Fall/Winter 2018)

Public Involvement (S5.B.2.)

- Posted updated Stormwater Management Program (SWMP) Plan on city website.
- Posted Phase II Municipal SW Permit 2018 Annual Report on city website.
- Responded to Public Records Requests.

Illicit Discharge Detection & Elimination (S5.B.3. & G3)

- Responded to, investigated, resolved and reported to DOE four IDDE complaints.
- Responded to, investigated and resolved multiple other, non-IDDE-related complaints including pet waste, solid waste, drainage, etc.

Construction Site Runoff Control (S5.B.4.)

- Reviewed 8 Site Plans and Stormwater Pollution Prevention Plans (SWPPPs) for large grading and new construction projects.
- Reviewed 16 Erosion and Sediment Control (ESC) plans for projects of duplex size or smaller (single-family residential homes).
- Conducted 77 documented construction-related erosion control inspections.
- Continued monitoring of an Inter-Agency agreement with WSU for regulation of Construction and Post-Construction activities.

Post-Construction Stormwater Management (S5.B.5.)

- Reviewed 8 drainage reports and civil drawings of post-construction stormwater BMPs included in site plans for newly proposed development.
- Received five stormwater facility O&M plans.

Municipal Operations and Maintenance (S5.B.6.)

- 1,325.5 hours spent street sweeping
- 1,379.5 hours spent catch basin / stormline cleaning
- Number of City Stormwater Facilities Inspected (excluding catch basins) – 54
 - Detention Ponds – 49
 - Treatment – 5
- Spent 460 hours performing maintenance on 54 City detention ponds and stormwater treatment facilities (Leland Contract)

Compliance with TMDLs (S7)

- Coordinated with Ecology's TMDL Lead on TMDL implementation, including but not limited to the following:
 -
- Hired a consultant to conduct water quality sampling to determine progress on achieving the 40% toward the Waste Load Application

(WLA) (percent reduction) on the points of compliance from Table 28 in the South Fork Palouse River (SFPR) TMDL.

- Coordinated with WSU-EHS on TMDL implementation.
- Continued implementation of pet waste management program, including:
 - Pet waste education/outreach radio PSAs.
 - Inspected and performed maintenance on 80 pet waste stations and 20 waste receptacles.
- Continued Dry Fork Creek (DFC) Fecal Coliform Bacteria monitoring to assess progress toward TMDL waste load allocation reduction targets
- Began TMDL WLA outfall monitoring on five outfalls on both SFPR (3) and Missouri Flat Creek (MFC) (2).
- Repaired and/or replaced 194 lineal feet of public sanitary sewer lines and two manholes. Total cost: \$53,000.
- Amount of sanitary sewer pipe repaired/replaced by drainage basin:
 - Dry Fork Creek - 1,737 LF

Monitoring and Assessment (S8)

- Represented Pullman at Effectiveness Monitoring meetings.

D. Transit Division

Developments in Transit during 2018 included the improvement of Community routes from 45 minute loops to 35 minute loops. The daily guarantee of hours to the floating “Extraboard” Driver position changed from half to three-quarter time, providing immediate coverage for morning shift needs. Transit ordered an electric-hybrid bus in the spring, and late in the year received a new Dial-A-Ride van. Discussions in both Public Works and at the City Council level has determined a path for future buses to be fully electric.

Fixed-Route:

Total ridership on the Fixed-Route was 1,361,962. This is an increase of 13,686, or 1.02%, from 2017.

Fixed-Route ridership for 2018 compared to 2017 is as follows:

	Jan – May	June – Aug	Sept – Dec	TOTAL
2017	619,419	145,419	583,338	1,348,276
2018	639,391	156,961	565,610	1,361,962

Dial-A-Ride:

Ridership for Dial-A-Ride service was 23,869. This is an increase of 3,450 from 2017. Not only was this our fourth consecutive year carrying over 20,000 riders, it was our largest number of riders carried in a single year since our system started in 1979.

Dial-A-Ride ridership for 2018 compared to 2017 is as follows:

	Jan - May	June – Aug	Sept – Dec	TOTAL
2017	8,847	5,057	6,515	20,419
2018	9,397	6,351	8,121	23,869

Transit – Operating Statistics:

Population 33,730

Fixed-Route

Passenger Service Hours 30,255
 Passenger Service Miles 382,063
 Passenger Trips 1,361,962
 Employees (FTEs) 27.9
 Passenger Trips/Service Hour 45.0
 Passenger Trips/Service Mile 3.5
 Service Hours/Employee 1,084

Demand-Response (Dial-A-Ride)

Passenger Service Hours 7,923
 Passenger Service Miles 76,204
 Passenger Trips 23,869
 Employees (FTEs) 8.1
 Passenger Trips/Service Hour 3.0
 Passenger Trips/Service Mile 0.31
 Service Hours/Employee 978

Fixed-Route

Operating Cost\$ 3,831,328
 Operating Cost/Vehicle Service Hour\$ 126.63
 Operating Cost/Passenger Trip\$ 2.81
 Farebox Revenues\$ 2,395,406
 Farebox Recovery Ratio 63%

Demand-Response (Dial-A-Ride)

Operating Cost\$ 957,823
 Operating Cost/Vehicle Service Hour\$ 120.89
 Operating Cost/Passenger Trip\$ 40.12
 Farebox Revenues\$ 11,072
 Farebox Recovery Ratio 0.01%

Fixed route recovery ratio also includes fares collected via WSU, Spokane Falls Community College (SFCC) and Pullman School District (PSD) contracts.

E. Maintenance & Operations Division

Stormwater:

- Crews spent 1,335.5 hours sweeping city streets.
- Labor hours expended on storm drain maintenance: 1,843.5.

Streets:

- 1,610.75 labor hours were spent painting and/or maintaining the paint on street centerlines, fog lines, curbs, crosswalks and bike lines.
- Crews spent 2,103 labor hours grading alleys as well as identifying and filling potholes in city streets, performing parking lot maintenance, as well as performing roadway maintenance on city streets.
- Snow and ice control operations involved 2,283.75 labor hours.
- Crews spent 359 hours inventorying street lights, maintaining traffic signals and providing traffic control.
- 120 sign work orders were completed for new installations, vandalism and/or damage repairs. Labor hours related to sign work totaled 773.25.

Water:

- M&O crews spent 5,052.75 labor hours completing a total of 2083 work orders for water-related assets.
- City owned hydrant meters were utilized by outside contractors 41 times.
- 53 new water meter services were installed. 352 meters and registers were replaced related to age of the equipment, and 94 nonfunctioning radio read transmitters were replaced.
- 61 water service line stub ins were installed
- Eight water main breaks, detailed below, occurred and were repaired

<u>MAIN BREAK VICINITY</u>	<u>PIPE SIZE & TYPE</u>	<u>DATE</u>
205 NW Anthony Street	6" Cast Iron	1/17/2018
1705 NW Turner Drive	8" Cast Iron	03/17/2018
1000 NW Clifford Street	6" Cast Iron	7/24/2018
1120 NE Indiana Street	4" Cast Iron	8/27/2018
330 SW Kimball Court	8" Cast Iron	11/16/2018
1550 NW Leland Drive	6" Cast Iron	12/3/2018
900 SW Mies Street	6" Cast Iron	12/20/2018
2210 NW Lamont Street	6" Cast Iron	12/26/2018

- 272.5 hours were spent maintaining city backflow assemblies, testing city assemblies, and new installations.
- 731.75 hours were spent administering Pullman's cross-connection control program.
- As part of the on-going backflow testing program, 2,467 backflow tests were performed on city, commercial, and private residential devices. City personnel performed 146 tests while outside contractors performed the other 2,321 tests.

- Crews spent 3,664.85 labor hours maintaining city water tanks, wells, reservoirs, booster stations, and their grounds.
- The number of routine water samples taken was 3408. There were 34 new construction and 36 investigation samples taken. 382.5 labor hours were spent taking routine, new construction, and investigative samples.
- Operations crews spent 512 hours reading water meters and 749 hours completing tasks necessary to facilitate the administrative side of water billing.
- Operations staff performed 292 initial and 184 final toilet replacement inspections. Customers received a total of \$22,100 in low-flow toilet rebates.
- Operations staff performed 11 irrigated lawn removal initial inspections and 1 final inspections for a total of \$150 in rebate checks disbursed to customers.
- 77.75 hours were spend administering and performing the functions of conservation programs
- The existing 110.03 miles of water mains were increased by 2.34 miles to 112.37 miles.

Water Operations Statistics:

Water pumped.....	927,740,000 gallons
Water metered (sold).....	889,092,000 gallons
Water accounted for (not sold)	2,772,801 gallons
Total accounted for	891,864,801 gallons
Percentage of water accounted for	96 %
Daily average	2,443,000 gallons
Average daily usage per capita (based on 27,476 population)	91.8 gallons
High day usage – August 20	5,987,000 gallons
Low day usage – December 25	682,000 gallons
Total number of active services	5,445 (+52)
Number of services by user code:	
01 Single-Family.....	3,814
02 Duplex.....	499
03 Multi-Family	449
04 Business/Commercial	388
05 Group	41
06 Schools.....	14
07 Irrigation	206
08 Mobile Home Parks	44
Total chlorine used.....	93,000 pounds (salt)
Chlorine cost	\$18,847.45
Total hydrofluosilicic acid used.....	14,300 pounds
Fluoride cost.....	\$11,572.82
Total chemical cost	\$30,420.27
	\$0.03279/kgal
Electrical consumption cost	\$246,008.48
	\$0.26517/kgal

Sewer System:

- Crews spent 3,291 labor hours completing 709 sewer asset-related work orders. Maintenance was performed on just over 124,992 lineal feet of sewer main lines. 92 field inspection tests were performed on sewer lift stations.
- Sewer dye tests were performed on 42 new or altered connections to sewer main lines.
- The existing 95.86 miles of sewer main lines was increased by 0.99 miles to 96.85 miles.

Emergency Call outs:

- 2,444 underground utility locate requests were completed, which consumed 2,250.25 labor hours, compared to 1,166 locate requests and 1,476.75 labor hours in 2017. The significant increase seen between 2017 and 2018 may be in part attributed to locates required for the 2018 Avista Gas Line Replacement project that took place over the summer months, and the locates required for Avista and their subcontractors to complete work safely.
- Eleven M&O employees participated in the Weekend/Holiday On-Call Program for a total of 3,779.5 on-call hours.
- 58 of the 292 total call outs were handled by on-call personnel. 57 call outs were personnel that were not on call, as the call outs occurred when no one was scheduled to be on call (typically 7:30 am Monday thru 4:00 pm Friday. 20 call outs were a result of on-call personnel calling out other maintenance staff for additional assistance. The other 157 call outs were during on-call times, but were handled by personnel not scheduled as on call.
- On-call maintenance personnel responded to 33 of 156 street-related emergency call outs which included traffic signal issues, snow and ice related problems, or signage issues. 14 call outs resulted from on call personnel calling for additional assistance. 98 call outs were handled during on-call times, but were handled by personnel not on call. The other 11 call outs occurred during the work week when no one is scheduled to be on call.
- On-call maintenance personnel responded to 13 of the 25 water-related emergency call outs which included problems such as water main breaks, service line leaks, and water meter related issues. Seven call outs occurred during the work week when no one is scheduled to be on call. Three call outs resulted from on call personnel calling for additional assistance. Two call outs were handled during on-call times, but were handled by personnel not on call.
- On-call maintenance personnel responded to 10 of the 26 waste water and sanitary sewer-related emergency call outs. Six call outs occurred during the work week when no one is scheduled to be on call. Two call outs resulted from on-call personnel calling for additional assistance. Eight call outs were handled during an on-call time, but were handled by personnel not on call.
- The auto-dialer telemetry system requires response from specifically trained personnel. The system called out 85 times outside of normal working hours. On call personnel handled 2 of those calls; 33 calls occurred during the work week when no one was on call, 49 were during on-call times, but were handled by personnel not on call. One call out resulted from on-call personnel calling for additional assistance.
- There were no stormwater-related call outs.

Equipment Rental:

- Performed preventive maintenance (service, inspections and repairs) on:
 - Ambulance - 7 Total
 - Dial-A-Ride Vans - 7 Total
 - Fire Trailers - 2 Total
 - Fire Trucks - 5 Total
 - Light Vehicles - 57 Total
 - Mini Buses - 4 Total
 - Police Cars - 16 Total
 - Trailers and Attachments - 35 Total
 - Transit Buses - 22 Total
 - Trucks 1-Ton and Over - 22 Total
 - Various Equipment - 30 Total

- Processed 3,091 equipment work orders for vehicle service and repairs.

- The following vehicles were compared to bid specifications and prepared for service; including installation of safety equipment, emblems, and radio equipment:
 - 17-070 2017 PETERBUILT VAC SWEEPER - Utility/Stormwater
 - 17-405 2017 TRX 500 HONDA – Government Buildings
 - 18-404 2018 BOBCAT SKID STEER LOADER – Maintenance and Operations
 - 18-049 2018 DODGE RAM 4X4 CREW CAB PICKUP – Public Services/Parks
 - 18-035 2018 DODGE RAM 4X4 CREW CAB PICKUP – Maintenance and Operations
 - 18-032 2018 DODGE RAM 4X4 CREWCAB PICKUP – Maintenance and Operations
 - 18-042 2018 DODGE RAM PICK UP – Maintenance and Operations
 - 18-221 2018 F3990 MOWER – Waste Water Treatment Plant
 - 18-450 2018 FORD AMBULANCE - Fire
 - 18-039 2018 FORD E-450 CUTAWAY VAN – Public Services/Recreation
 - 18-022 2018 FORD UTILITY POLICE INTERCEPTOR - Police
 - 18-014 2018 FORD UTILITYPOLICE INTERCEPTOR - Police
 - 18-013 2018 POLICE SEDAN INTERCEPTOR - Police
 - 18-426 2018 PROMASTER CARGO VAN – Information Services
 - 18-061 2018 TOOLCAT BOBCAT – Public Services/Parks
 - 18-219 2018 KUBOTA SWEEPER – Public Services/Parks
 - 19-462 2019 FORD PICKUP 3/4 T CREWCAB - Fire

Wastewater Treatment Plant

Wastewater Statistics:

Total flow treated (effluent).....1,042.8 million gallons
Maximum daily flow – Jan. 1 5.9 million gallons

Minimum daily flow – Jun 16.....	1.8 million gallons
Maximum monthly flow – Jan.....	108.50 million gallons
Minimum monthly flow – July	65.1 million gallons
Average daily flow.....	2.85 million gallons
Average summer flow (May-August).....	2.07 million gallons per day (mgd)
Average winter flow (September-April).....	2.80 mgd
Design flow.....	4.3 mgd
Hydraulic capacity	13.0 mgd
Plant capacity	8.6 mgd/winter peak

- Removed 98.1% of the total suspended solids and 97.2% of the organic contaminants before discharge to the South Fork Palouse River. The City’s National Pollutant Discharge Elimination System (NPDES) permit requires 85% removal of these pollutants.
- The amount of Class B bio-solids produced and applied on local farm ground was 445.2 dry tons versus 459.00 dry tons in 2017.
- Four groups participated in plant tours, versus three groups in 2017.

Construction Projects:

UV Project commenced

Major Projects Completed:

- Drained and cleaned one aeration basin, two secondary clarifiers, and one primary clarifier. Drained and cleaned three digesters.
- Applied for NPDES Permit.
- Sampled and analyzed Polychlorinated biphenyls (PCBs) from the plant influent and effluent.

Major Operating Expenses:

- Electricity and natural gas: \$275,827
(down \$5,012 from \$280,839 in 2017)
- Eight tons of chlorine used in disinfection process: \$8,336
- Three tons of sulfur dioxide used in the disinfection process: \$3,816
- 191 bags (50#/bag) of polymer used in solids processing: \$24,705

Discharge Permit Violations:

- February
 - DCBM (mg/L) Exceeded Monthly Average.
- March
 - DCBM (mg/L) Exceeded Monthly Average.
- April
 - DCBM (mg/L) Exceeded Monthly Average.
- June
 - DCBM (mg/L) Daily Maximum and Monthly Average.

- July
 - DCBM (mg/L) Daily Maximum and Monthly Average.
- August
 - DCBM (mg/L) Daily Maximum and Monthly Average.
- October
 - pH exceeded daily lower limit. Exceeded Daily Maximum Concentration for Dieldrin

Special Projects

- Maintenance and Operations crews help with or perform multiple special projects each year.
 - 99.25 labor hours were spent assisting with Lentil Festival.
 - 668 labor hours were spent conducting the annual leaf collection program during November and December.
 - Each year M&O crews assist the Wastewater Treatment plant personnel with the Biosolids removal project, 345 labor hours were spent completing this task.
 - 42 hours were spent performing Cla-val repair work.
 - 79 hours were spent by M&O crews participating in Safety Meetings.

F. Government Buildings

Significant activities performed by Government Buildings in addition to ongoing custodial and routine maintenance include:

- Library:
 - Automatic doors on Olson Street (ADA)
 - Cleaned all carpeting
- Fire Station 1 – new carpet and paint in bedrooms
- Aquatic Center – Installed matting in fitness room
- Police:
 - Installed linoleum in bathroom & janitor's closet
 - Installed new water main
- New City Hall – prepared warming center
- City Hall – had new seals installed in new pump for heating system