

# KENNEBEC SANITARY TREATMENT DISTRICT



## ANNUAL REPORT

*49<sup>th</sup> Edition*

# 2021

Proudly serving Waterville, Winslow, Fairfield, and Benton

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# INTRODUCTION

Kennebec Sanitary Treatment District (KSTD) is a quasi-municipal corporation under the laws of the State of Maine, incorporated via Charter in 1971, serving the City of Waterville, and the Towns of Winslow, Fairfield, and Benton. KSTD also serves a significant industrial user, Huhtamaki Inc. (formerly Keyes Fiber) and two (2) non-chartered communities that executed inter-local agreements with chartered communities; those being the Town of Oakland in 2013 via WSD and the Town of Vassalboro via the Town of Winslow in 2017.

In 1971 an act, creating the Kennebec Sanitary Treatment District occurred by the people of the State of Maine and approved by the Governor as follows: the inhabitants of the Municipalities of Waterville, Winslow, Fairfield, and Benton have created a body corporate and politic under the name of Kennebec Sanitary Treatment District (KSTD) for the purpose of providing systems of public sewage disposal, constructed, maintained, and operated for the public health and welfare of said residents. KSTD was organized to receive sewage collected by the municipalities and dwellings, public buildings, commercial or industrial establishments.

As of March 2017, the original 1971 District Charter contained 9 separate amendments. Listed below are the year of amendment followed by the chapter of which it can be found:

- No. 1 – 1971, Chapter 45
- No. 2 – 1972, Chapter 169
- No. 3 – 1973, Chapter 81
- No. 4 – 1976, Chapter 128
- No. 5 – 1981, Chapter 26
- No. 6 – 1983, Chapter 18
- No. 7 – 1991, Chapter 7
- No. 8 – 1992, Chapter 83
- No. 9 – 2017, Chapter 12

Reference to the rules and regulations, SEC 10, 1, (sometimes called; “Sewer Use Ordinance”), is KSTD “Industrial Pretreatment Program Rules, 6<sup>th</sup> revision, March 15, 2011”.



## DEDICATION

### Gary L. Dixon

KSTD Board Trustee for the Town of Benton  
Years Served: 1986-2021

The 2021 KSTD Annual Report is dedicated to KSTD's longest tenured trustee, Gary L. Dixon. Gary represented the Town of Benton on the KSTD Board of Trustees for 35 years before retiring from the Board in 2021. Gary's contribution to the wastewater industry extended beyond his leadership on the Board of Trustees, as he was a dedicated employee for the Waterville Sewerage District for 42 years before his retirement in 2018. In his time on the Board, Gary served as Chairman multiple times, and was involved with the major upgrade of the KSTD facility in the 1990's. His knowledge of the industry was instrumental to many decisions of the Board and was well respected by all who served with him. Gary could always be counted on to provide historical knowledge or general experience to Board discussions.

A dedicated public servant, Gary provided a great service to the Town of Benton for nearly 4 decades, where he served on many boards and committees over the years. He served as the Town's de facto sewer specialist providing guidance, labor, and oversight of the Town's entire sewer system. One of his most proud contributions to the Town of Benton was his years long effort to raise funds to erect a veteran's memorial wall near the Town office that honored Benton war veterans.

We at KSTD would like to thank Gary for his years of service and wish him a happy retirement. Enjoy your time with friends and family! We will miss you!

*"I have known Gary for several years and have always considered him as a personal mentor. He was always willing to help and provide advice on various questions surrounding KSTD's sewer system and wastewater related issues. His commitment and dedication to the wastewater industry and the Central Maine community is highly commendable and unsurpassed, in my book. I wish Gary nothing but joy and happiness in his retirement, he deserves it!"*

**Nick Champagne**  
Superintendent  
KSTD

*"Gary Dixon served the citizens of Waterville Maine in a professional and outstanding manner for close to 42 years from 1976 to 2018 as an employee of the Waterville Sewerage District. He became the Foreman in 1984 and led the District's crew for the majority of his career earning the respect of his fellow employees, contractors, and members of the community. Under his leadership the District successfully separated the sanitary and storm drainage systems which involved the installation of close to 30 miles of pipe and hundreds of catch basins which was a huge accomplishment and put Waterville ahead of most peer communities. He also responded to thousands of calls and truly went above and beyond to help the District's customers.*

**John J. Jansen**  
Superintendent  
Waterville Sewerage District

# ACKNOWLEDGEMENTS

## 2021 BOARD OF TRUSTEES

Office Held	Trustee	Term	Town Representing
<b>Chairperson</b>	Robert J. Nadeau	2003-2023	Winslow
<b>Vice-Chair</b>	Jack Stanley, Jr.	1996-2022	Fairfield
<b>Treasurer</b>	Tyler J. Mitchell	2021-2022	Winslow
<b>Clerk</b>	Luke Brooks-Shesler	2020-2021	Waterville
	Kevin Gorman	2020-2023	Waterville
	Albert E. Hodsdon III	2004-2023	Fairfield
	Paul F. Jacques	2013-2022	Waterville
	Dwight Lanning	2021-2023	Benton
	Thomas W. Shattuck	2005-2023	Waterville
	Matthew Zetterman	2020-2022	Waterville
<b>Asst. Treasurer/ Asst. Clerk</b>	Nicholas M. Champagne	Superintendent	
<b>Financial Auditor</b>	Nicholson, Michaud & Company	Certified Public Accountants	

## 2021 KSTD EMPLOYEES

Name	Position	# of Years
<b><u>ADMINISTRATION</u></b>		
Nicholas M. Champagne	Superintendent	2
Lynn C. Woodard	Chief Operator	41
Cynthia W Chase	Asst. Administrator	24
Nancy K. Green	A/P & Payroll Clerk	24
<b><u>LABORATORY</u></b>		
Ronald G. White	Process Control Coordinator	37
Derek M. Vigue	Lab Assistant	19
<b><u>OPERATIONS</u></b>		
Carl L. Leathers	Operator	41
David J. Stevens	Asst. Operator	7
<b><u>MAINTENANCE</u></b>		
Wayne D. Schofield	Maintenance Foreman	8
Richard L. Vigue	Electrician	44
Timothy G. Mercer	Skilled Laborer	34
Lonny A. Lyons	Skilled Laborer	21
Anthony A. Larrabee	Skilled Laborer	2

## FORMER TRUSTEES

TRUSTEE	TERM SERVED	REPRESENTING
AARON LEVINE	1971-1972	Waterville
ARTHUR O'HALLORAN	1971-1972	Waterville
WHITCOMB M. RUMMELL	1971-1974	Waterville
WILMER W. HUSSEY	1973-1974	Vassalboro
DUDLEY E. FOLEY	1974-1976	Vassalboro
LLOYD ROWE	1976	Vassalboro
OSBORNE N. ELLIS	1971-1977	Benton
SHERMAN K. SMITH	1971-1977	Waterville
CLIFFORD J. SOUCY	1971-1977	Winslow
ANN B. PETERS	1972-1978	Waterville
LAURIER E. LOUBIER	1971-1978	Winslow
ROLAND J. MICHAUD	1978-1979	Winslow
LEROY L. GOODINE	1971-1979	Fairfield
LIONEL J. POIRIER	1971-1979	Waterville
JOSEPH A.G. PELLETIER	1977-1979	Waterville
DAVID C. DONAHUE	1979-1980	Fairfield
IRVING I. GOODOF	1974-1980	Waterville
PAUL J. MITCHELL	1979-1981	Waterville
GORDON G. LYFORD	1978-1982	Waterville
THOMAS J. NALE	1980-1982	Waterville
CECIL L. NUTTING	1980-1982	Fairfield
EDWARD B. MORRISON	1977-1983	Winslow
JOSEPH N. L'HEUREUX	1981-1984	Waterville
ROBERT VIOLETTE	1982-1984	Fairfield
ROBERT E. PERRY	1977-1985	Benton
GILBERT H. PETERS	1982-1985	Waterville
HELEN F. CAREY	1983-1986	Waterville
LOUIS P. HUARD, JR.	1983-1986	Winslow
CARL L. WEYMOUTH	1985-1986	Benton
DEANE M. NASON	1979-1987	Winslow
PETER J. GORMAN	1986-1987	Waterville
LEONARD J. PLOURDE	1972-1988	Waterville
ANN NATASHA MATHIEU	1984-1988	Waterville
LAWRENCE W. FORTIN	1986-1989	Winslow
THOMAS W. SHATTUCK	1986-1991	Waterville
WILLIAM J. HAGERTY	1984-1991	Fairfield
DARRELL WEBBER	1991	Fairfield
ROBERT F. COSGROVE	1979-1992	Waterville
G. ANTHONY JONES	1987-1992	Waterville
DAVID H. BLAIR	1987-1993	Winslow
DAVID B. BAIRD	1989-1993	Winslow
WAYNE L. SMITH	1988-1993	Waterville
JEFFREY ALLEN	1992-1994	Waterville
DENNIS LANG	1993-1994	Waterville
RUEL J. BLACKWELL	1971-1995	Fairfield

TRUSTEE	TERM SERVED	REPRESENTING
BARBARA F. OLSON	1988-1996	Waterville
JEFFREY MITCHELL	1994-1997	Waterville
WM THOMAS HYDE	1994-1999	Waterville
DAVID V. DOSTIE	1991-1999	Fairfield
DANIEL J. MALLET	1993-1999	Winslow
THOMAS W. SHATTUCK	1992-2000	Waterville
WALTER W. SIMPSON	1993-2001	Winslow
JAMES BANKS	1999-2001	Fairfield
BARBARA F. OLSON	2000-2001	Waterville
PETER WARD	2001-2002	Winslow
CHARLES THEOBALD	1999-2002	Winslow
C. DONALD HUBERT	1996-2002	Waterville
PAUL E. ROY	2002-2003	Winslow
JAMES FITTON	2002-2003	Winslow
DAVID R. VASHON	1993-2003	Waterville
JOHN G. TRINWARD	1997-2003	Waterville
DAVID V. DOSTIE	1999-2004	Waterville
RAYMOND W. WITHAM	2001-2004	Fairfield
THOMAS W. SHATTUCK	2001-2004	Waterville
ARTHUR O'HALLORAN	2003-2004	Waterville
JOHN W. LIBBY	2004	Waterville
G. ANTHONY JONES	2002-2005	Waterville
JOHN W. LIBBY	2005-2006	Waterville
G. ANTHONY JONES	2006-2007	Waterville
DANIEL A. PETERS	2003-2007	Winslow
DAVID C. DOSTIE	2005-2010	Waterville
DONALD C. ASHTON, Jr.	2013	Waterville
PETER W. OGDEN	2013	Waterville
DAVID A. COSGROVE	2004-2013	Waterville
NICHOLAS M. CHAMPAGNE	2014-2016	Waterville
JOHN F. HAMELIN	2004-2018	Waterville
PERCY C. SMITH	2007-2018	Waterville
MICHAEL E. WILLIAMS, SR.	2017-2018	Waterville
PERCY C. SMITH	2019	Waterville
NICHOLAS M. CHAMPAGNE	2019	Waterville
JULIAN A. PAYNE	2020	Waterville
TYLER J. MITCHELL	2019-2020	Waterville
GARY L DIXON	1986-2021	Benton
PETER C. DEANE	2007-2021	Winslow
LUKE BROOKS-SHESLER	2021	Waterville

## FORMER SUPERINTENDENTS

SUPERINTENDENT	TENURE
WILLIAM J. CULLEN	1972-1988
RICHARD P. BENTZEL	1988-2002
TIMOTHY J. LEVASSEUR	2002-2019

## REPORT OF THE TRUSTEES

The Board of Trustees of Kennebec Sanitary Treatment District held twelve regular meetings and three committee workshops in 2021.

Re-appointments to the Board of Trustees for terms as follows:

<u>Term</u>	<u>Trustee</u>	<u>Town Representing</u>
2021-2023	Thomas W. Shattuck	Waterville

In 2021, Dwight Lanning was appointed to fill retiring Benton Trustee Gary L. Dixon and Tyler J. Mitchell was appointed to fill Winslow seat vacated by Trustee Peter C. Deane.

The annual meeting was held on July 14, 2021. The elected officers are as follows:

Chairperson	Robert J. Nadeau	Winslow
Vice-Chair	Jack Stanley, Jr.	Fairfield
Treasurer	Tyler J. Mitchell	Winslow
Clerk	Luke Brooks-Shesler	Waterville
Asst. Treasurer/Clerk	Nicholas M. Champagne	Superintendent

The 2021 annual budget was approved for \$3,656,582 (including \$200,000 for contingency and \$500,000 for capital reserve) with only 3.74% increase from 2020. A surplus of \$822,889 was returned to District members, as outlined in the Report of the Treasurer.

The Board of Trustees invites the public to attend any monthly board meeting held every second Thursday at 7:30 a.m. in the conference room at KSTD on 401 Water St, Waterville, Maine. Due to the ongoing concerns surrounding COVID-19, a virtual option to attend the meeting is also available, with link information provided on each monthly board meeting agenda.

The Board would like to thank the Superintendent and staff for another outstanding year.

Respectfully submitted,

Robert J. Nadeau  
Chairperson



## REPORT OF THE TREASURER

As Treasurer of Kennebec Sanitary Treatment District, I hereby submit the following Report of Finance for the fiscal year ending December 31, 2021.

The firm of Nicholson, Michaud & Company was retained as the District's auditor. The detailed statements of financial condition are contained in the complete Auditor's Report.

Highlights of the District's overall operation for the year 2021 are as follows:

INCOME		
2020	Surplus allocated to Members	\$755,591
2021	Revenue from Allocation	\$3,656,582
2021	Revenue from Septage/Leachate	\$180,244
2021	Revenue from Maintenance Contracts	\$19,084
2021	Misc. Revenue	\$2,096
2021	Revenue from Interest Earned	\$1,683
<b>Total Working Income</b>		<b>\$3,859,689</b>

EXPENDITURES		
	Treatment Plant	\$1,888,369
	Pump Stations	\$147,540
	Administration	\$364,843
	Capital Reserve	\$500,921
<b>Total Expenses</b>		<b>\$3,036,800</b>
	2021 Surplus to Members*	<b>\$822,889</b>
	* includes \$200,000 contingency	

The District has an additional \$100,000 in a surplus account as a reserve against unbudgeted and unforeseen emergency expenses.

Respectfully submitted,

Tyler J. Mitchell  
Treasurer

## REPORT OF THE SUPERINTENDENT

A multitude of changes abounded the District and the wastewater industry in Maine once again in 2021. Of obvious to note is the acceptance of a 'new normal' mode of operations dealing with COVID-19. Here at KSTD, we followed Maine CDC's guidelines to keep our employees safe and appreciate the consistent efforts of our staff to maintain social distancing and other restrictions as necessary to slow the spread.

In addition to trying to keep our personnel healthy, the District also faced additional on-going challenges that required adapting management styles to fit the ever changing market. We had to adjust our budget to rising inflation, increase our planning time to account for delivery delays, adjust fuel & electrical contracts due to increases, and wade through new legislation aimed at reducing impact of PFAS (Perfluoroalkyl Substance) chemicals in the environment. In 2021, we continued our on-going response to the 2019 Main Station Force Main Failure as required by Maine DEP Administrative Consent Agreement.



**Nick Champagne**  
**Superintendent**

I commend the hard work that our crew demonstrated over the past year adjusting to difficult and uncontrollable changes. I am proud to note that while the District faces several new administrative challenges, the crew collectively worked hard to keep this plant in compliance with our Discharge permit. Far too often we take those accomplishments for granted when we should be celebrating those victories. Thank you to all of our crew for another great year.

For this report, I would like to summarize some key and/or impactful highlights of 2021:

- 2021 Capital Reserve Projects & Update
- Main Station Force Main Replacement & Upgrades Update
- State of Maine's PFAS (Perfluoroalkyl Substance) Related Legislative Changes

### **2021 Capital Reserve Projects & Update**

The District kickstarted 2 major capital replacement projects in 2021. The largest project was started in 2021 with anticipated completion in 2022, and that was the control panel replacements for CP-200 and the Main Pump Station Control Panel. CP-200 serves most major treatment plant components and is located in the control panel at the plant. Replacement of this control panel is critical as many of the processing cards in the old panel are no longer fabricated making replacement of this cards timely and costly. The panel was last replaced during the 1998 upgrade. Likewise for the same reasons, the panel at Main Pump Station was in need of replacement. Given the bond money available and on-going upgrade work at Main Pump Station, replacement of the control panel at the station made practical sense. Due to labor and delivery delays, the project is anticipated to be fully installed and completed in 2022.

The 2<sup>nd</sup> project was the replacement of Polymer Blending Unit No. 4, which was actually a continuation of a capital reserve project that began in 2020. Starting in late 2020 with installation of PBU 3 and through March 2022 with the installation of PBU 4, KSTD maintenance and operation staff have been working together on the replacement of PBU Nos. 3 & 4. This project was an example of the capabilities of the maintenance staff to replace some components of the plant in-house. Operations staff provided valuable input on the design and orientation of the units, and the



New PBU 4 (left) and PBU 3 (right), installed entirely by KSTD Staff.

maintenance staff worked efficiently to get these units on-line without disruption in the sludge dewatering process. District Electrician Dick Vigue provided the electrical connections necessary for function. I am very proud of the hard work our crew put in to make these projects a success and look forward to other capital improvement projects that we can complete in-house, saving the District thousands of dollars in Contractor fees as much as practicably possible. Additional to this project was the purchase of an electric pallet jack to move the large polymer totes and a new electric platform lift, to allow our staff safe maneuvering of the polymer.

**Table 1 - 2021 Capital Reserve Account Projects**

Project	Description	Total Cost
Control Panel Upgrades	Retained Woodard & Curran in May 2021 to complete control panel replacements for CP-200 and Main Pump Station Control Panel. Due to delivery / material procurement delays, the project will be completed in FY 2022.	CP-200: \$164,915 Main Station CP: \$57,450 Total: <b>\$222,365</b>
PBU 4 Replacement	Planned, designed and replaced Polymer Blending Unit No. 4, all in-house.	<b>\$27,500</b>
<b>Total from Capital Reserve Account:</b>		<b>\$249,865</b>

### Main Station Force Main Replacement Update / Main Station Upgrade Update

Ranger Construction of Fairfield was awarded a \$487,210 bid contract by the District to replace the Main Station force main in Spring 2021 and the project was substantially completed in November 2021. Vortex Industries (fmr. Ted Berry) of Livermore Falls was retained to perform bypass pumping during the final connection phases of the new force main. As per the engineering design, the existing, failing 30" PCCP single force main was replaced with dual 24" High Density Polyethylene (HDPE) pipes, in a new location out of Water Street. The new force main went online in November 2021 with final completion to occur in summer 2022.

Additional improvements at Main Pump Station included a full roof replacement, replacing old rock ballasted membrane roof with new insulation and membrane adhered roof system. CO Beck was awarded a \$28,000 bid contract and they completed the work in October 2021. In addition to the control panel replacement, District Electrician also procured replacement of all three variable frequency drives that control the three respective pumps at the station.

Additional work to be completed in 2022/2023 include replacement of bar rack and installation of new control valves & screw press to dewater solids removed from station.

## **State of Maine's PFAS (Perfluoroalkyl Substance) Related Legislative Changes**

In 2021, KSTD followed closely the State of Maine's investigation of PFAS contaminated sites in Central Maine and across the entire state. As additional sites were discovered to contain high levels of PFAS as per their testing standards, so did the increase in public outcry for changes in biosolid handling. Various legislative bills were drafted and modified over several months in 2021 ranging from biosolid disposal methodology, land spreading restrictions, and attaching fees to assist with funding. All of the proposed bills and changes would have significant impact on the wastewater industry across the entire state of Maine. It will be difficult over the next few years to determine the scale of budgetary and logistical impact, but at KSTD we are estimating that our biosolid disposal rate will increase by at least 50-75%, with an overall budget impact of about 10-15%, when factoring other increases such as fuel and inflation costs continue to rise. Legislative changes and proposals are expected to continue well into 2022 and beyond.

As was included with the 2020 Annual Report, I am once again providing a briefing on documented facts of KSTD's former licensed sludge land application program and additional pertinent information related to PFAS in sludge.

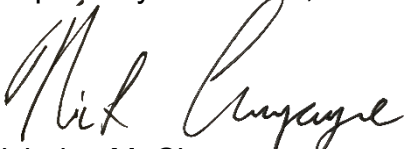
- KSTD was licensed by MDEP to land apply municipal sludge at several farm field locations across Central Maine (including but not limited to Fairfield, Unity & Benton) from about 1980 to 2003.
- KSTD has not land applied sludge since 2003. Since then, sludge has been trucked in part to Hawk Ridge in Unity for composting and Juniper Ridge in Old Town for landfill disposal.
- The District performed initial PFAS screening in 2019 after MDEP requested biosolids testing following the initial PFAS reports from N.H. (drinking water) and Kittery/Arundel (biosolids).
- KSTD has complied with the MDEP's recent requirement of annual biosolid (sludge) testing for PFAS. The results have been reported to the State for data compilation & monitoring.

### **Looking Ahead**

As stated in the 2020 Annual Report and still true today, the District faces replacement of several aging core processes over the next few years. Recent State of Maine action imposing and/or impacting fees on biosolid disposal will surely force the District to investigate more effective dewatering techniques to reduce volume disposed to landfills. More stringent nutrient removal levels may require adjustment of the existing activated sludge process to improve nitrification/denitrification, among other techniques.

Facing challenging budget increases over the next couple of years, the District will be looking to start planning for another major upgrade. We will look to secure CWSRF funding and other sources to complete a fiscal sustainability report, climate adaptation plan and a Comprehensive Plant Evaluation in 2022/23 to steer us in the right direction.

Respectfully Submitted,

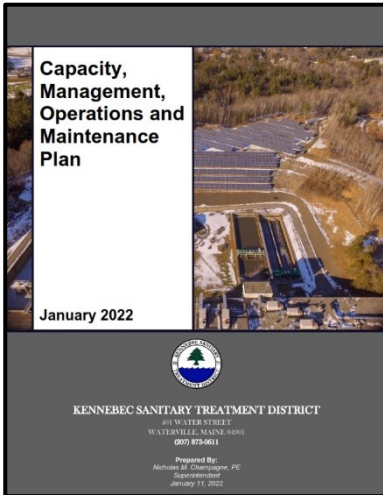


Nicholas M. Champagne  
Superintendent



# REPORT OF THE CHIEF OPERATOR

Calendar year 2021 in the same fashion as the past few years provided the District's staff with many planned as well as unplanned challenges to contend with. The continuing Covid 19 pandemic kept us on our toes while maintaining recommended protocol for the staff's health and safety. Below is a condensed list of our many projects accomplished in 2021.



- **Administrative Consent Agreement**

Early in 2021, KSTD finalized an Administrative Consent Agreement with Maine Department of Environmental Protection as a result of the 2019 Force Main failure. We began preparing a few documents in 2021 as part of the agreement, including a CMOM Report of assets in our collection system as well as finalization of a formal Operations & Maintenance Manual. Anticipated completion and acceptance of all ACA requirements expected in 2022. This will allow our staff to focus on planning of future, much needed upgrades in the near future.



**Lynn Woodard**  
**Chief Operator**

- **Main Station Upgrade & Bond**

The work currently underway at Main Pump Station extends beyond the force main replacement project. We were able to successfully switch over the new force mains in November 2021 with no issues. In 2021 we began the process of permanent bond financing of both the force main replacement project with some left over funds to upgrade other items needing replacement at the pump station including roof replacement, valve replacements and replacement of the original bar rack. We look forward to procuring the equipment and their installation in 2022.



- **Polymer Blending Unit Replacements**

Critical to our treatment process here at KSTD is our dewatering system. Polymer blends without treated biosolids to produce a dry cake commonly referred to as sludge. The polymer blending units were replaced as part of the 1998 upgrade. The pumps were well beyond their useful life and in dire need of replacement. I am happy to report that we are well underway of all 4 polymer blending unit replacements, with all work done inhouse by our crew. To date, Polymer Blending Unit Nos. 3 & 4 have been replaced and are in service.

KSTD crew completed all the work as a team. I commend all involved for working together to get the job done. We look forward to other similar projects we can accomplish to keep costs down to the rate payers.



- **2021 MMA Safety Grant**

Once again, the District was awarded some grant money to continue with our safety upgrade goals through the Maine Municipal Health Trust's "Ed MacDonald Safety Enhancement Grant" program. In 2021 we were able to purchase "Eye Pod" eye wash stations that can be installed on any typical basin faucet and provide a continuous flow of tempered water for flushing contaminants from an employee's eyes in case of an inadvertent splashing of wastewater or chemicals that gets past eye protection PPE and into the eye. Thank you to MMA for providing this annual opportunity.

I wish to acknowledge the staff, administrators, and trustees of KSTD for the dedication and perseverance to successfully meet our goals for 2021 in spite of the unprecedented challenges presented to us. KSTD did not need to report a single plant effluent violation to the DEP for the calendar year with credit due to the entire District staff. I know that we will continue the new year with the same effort and strive to improve wherever we can.

Respectfully submitted,

Lynn C. Woodard  
Chief Operator / Assistant Superintendent  
Kennebec Sanitary Treatment District  
2021 Annual Report



# REPORT OF THE PROCESS CONTROL COORDINATOR

## Process Assessment:

Throughout 2021, the District continued to achieve exceptionally high treatment standards with few process upsets or problems. Reduction of Biochemical Oxygen Demand [BOD] and Total Suspended Solids [TSS] -- the two parameters used to determine process success -- have been greater than 95% throughout the past 12 months. As usual, the laboratory and operations staff has worked diligently to ensure permit compliance. One other factor that unfortunately gets overlooked in this report is the maintenance staff. They, too, have a vital part in keeping our discharge to the Kennebec River consistently clean. In short, the entire staff has continued to work diligently as a team with the daily desire to produce a pristine effluent.



**Ronald White**  
**Process**  
**Control Coordinator**

## Discharge Violations:

The District reported no plant discharge violations during 2021.

## Process Control Changes & Updates:

**PROCESS MANAGEMENT:** Throughout 2021 the treatment process performed exceptionally well. As stated in the beginning, the performance was due to the collaborative efforts between the laboratory, operations, as well as the maintenance departments. Significant man-hours were invested in through precise laboratory testing and daily operator inspections. The treatment systems were reliable and performed at optimum levels due to the hard work of the maintenance department. Other adjustments and timely communication between staff, too, played an important role

**DISCHARGE PERMIT:** The permit expired in October of 2020. However, the District continues to work off of the expired permit. The Maine Department of Environmental Protection (MDEP) continues to communicate with the District as it relates to this. All of the required testing from that permit will continue to occur until a new permit is issued to the District.

**LOCAL LIMITS:** Local Limits is an integral part of all discharge permits. Local Limits are established individually and are unique for each treatment facility. The limits are intended to protect the receiving waters, the treatment process and worker health. Local limits also establish industrial discharge limits as part of the Industrial Pretreatment Program. The District will complete the local limit review after the new permit is issued to us.

The District continues to monitor the PFAS situation – local, and at the State level – in a variety of ways. We will continue to test as MDEP requires. There are many unknowns to how this might affect the District, the SIU's, as well as the community around us. The concern in this area is continues to be at a high level.

### **EPA Industrial Pretreatment Program:**

Kennebec Sanitary Treatment District has a federally [EPA] approved Industrial Pretreatment Program [IPP]. The IPP program identifies 10 Industrial Users [IU], determines which IUs require permits, and performs inspections and monitoring of 5 Significant Industrial Users [SIU].

The District currently permits SIUs: Huhtamaki Inc., Waterville, Elanco / Lohmann Animal Health International, Winslow, Hawk Ridge Compost Facility, Unity Plantation.

The Industrial Permit compliance was excellent during 2021. All permittees were inspected, their discharges sampled and tested as required by EPA/MDEP regulation. The District did not issue any warnings or notices of significant non-compliance throughout 2021. All other permittees submitted complete thorough reports on time, in good order and are currently in full permit compliance.

### **Acknowledgement:**

I wish to acknowledge the plant staff for all their hard work during the past year. Both the Operations and Maintenance departments have shown great professionalism, insight and commitment in achieving an outstanding process record for 2021.

Later in year, the District hired Derek Vigue as the new Laboratory Technician. Derek had previously worked in the operations department. He took on the new role with enthusiasm, hard work and diligence. This change affected to the overall structure of the plant. In particular, Carl Leathers and Dave Stevens responsibilities changed as well. They, too, continue to work on a daily basis to preform various tasks to make the District an efficient, well performing treatment facility. I am sincerely grateful their individual dedication as the District moves to the future with the same goal of producing pristine effluent as consistently as possible

Respectfully Submitted,

Ronald White  
Process Control Coordinator



## **2021 FINANCIAL STATEMENTS**