### BOARD OF WATER COMMISSIONERS REGULAR MEETING OF JANUARY 17, 2024

REGULAR MEETING: The regular meeting of the Board of Water Commissioners was held at the 438

Granby Road on Wednesday, January 17, 2024. Chair Eden DuPerier called the

meeting to order at 5:00 p.m.

ATTENDANCE: Chair Eden DuPerier

Clerk R. Scott Williams
Associate Member William L. Schenker

Superintendent Jeffrey Cyr Treasurer/Clerk Kari Scytkowski Employee **Brad Couture** Resident Pauline McClaflin Resident Mitch Malinowski Resident Robert Authier Resident Jeff Levreault Resident Sam Bernash

APPROVAL OF MINUTES: William L. Schenker made a motion to approve the minutes of November 20,

2023. This motion was seconded by R. Scott Williams. Motion Carried.

BRAD COUTURE RESIGNATION:

Jeff Cyr informed the Board that Brad Couture was resigning his position with the Water Department. Jeff expressed that Brad would be missed due to his many talents including his mechanical abilities with the equipment repairs. Brad thanked the Board for his ten years of service and was thankful for his opportunities with

the Department. (see Note 1)

STEP RAISE FOR LESLIE BARAN:

Jeff informed the Board that Leslie Baran was up for her first step raise after 6 months with the Department. Jeff went on to say that Leslie has been a great addition to the Department and has done a great job with collections. Leslie's rate will go to \$27.28 from \$25.76. Bill Schenker made a motion to approve the step raise, which was seconded by Scott R. Williams.

Motion Carried

LEAK DETECTION RESULTS

FROM GROUF'S WATER: Jeff Presented the results from the recent leak detection survey performed by

Grouf's water service (see Note 2). There were two hydrant leaks and one service

leak at 17 Canal St. The leaks were repaired by our staff once they were

identified.

PRELIMINARY BUDGET

DISCUSSION: Jeff Cyr presented a preliminary budget for Fy25. Hard copies were distributed to

attendees as well. Jeff presented a budget without the use of Surplus funds and another with the use of surplus funds. Jeff also presented and informed the board that without the use of surplus funds, our water rates would need to be increased by 45%. (see Note 3) Jeff also indicated a possible 2.4% decrease for our water cost from the MWRA and a potential double digit health insurance increase from the Hampshire County insurance trust. Robert Authier had questions regarding

what goes into the wages line item and the miscellaneous line item. Jeff responded to say that regular wages, overtime and longevity are what is within the wages line. There was a question regarding calculating and budgeting for overtime. Jeff responded that \$80,000.00 is put into the overtime category in Soft right. Jeff also informed the group that training costs, tech support for various computer systems, and license renewals are examples of what comes from the miscellaneous line item. Mitch Malinowski inquired about the communications line item regarding the cell carrier issue that we were only paying for one wireless carrier. Jeff responded yes. Mitch asked how long our contract was with the MWRA and Jeff responded 10 years. Jeff reiterated that this was a preliminary budget and would keep the Board informed at future meetings once certain budget items such as health insurance and water cost from the MWRA become available.

OFFICE ROOF UPDATE:

Jeff informed the Board that the roof project was complete as of January 12<sup>th</sup>. There were two areas where there was rotted plywood discovered and were replaced as part of the contract. The original cost of \$22,900. 00 would be adjusted for the additional plywood. Jeff would like to look into leaf preventing gutters due to the close proximity of the trees around the office building considering there are extra funds available. Jeff will keep the Board informed.

PUBLIC COMMENT/ QUESTIONS:

Eden Duperier asked if there were any public comments or questions to the attendees. Robert Authier asked about the possibility of shared services with District 2 considering the vacancy. The Board responded they were willing to have a conversation with District 2. Both Districts are part of the Massachusetts WARN (Water/Wastewater Agency Response Network) which allows municipalities to assist each other to cover insurance issues. Jeff also mentioned that currently, both water and fire in each district have handshaking that goes on routinely. Jeff will set up a meeting in February to discuss the idea of shared services with District 2. Jeff also informed the Board that he has been in touch with Tim Cauley regarding help in the event of a need during the interim, which Tim assured we could call upon them. Eden asked about posting at the senior center and Jeff mentioned they did not have a director yet.

OTHER BUSINESS:

Eden DuPerier asked for an update on the Geese situation on Leaping Wells Reservoir. Jeff said the USDA staff were onsite 4 times and had left a starters pistol for us to try and scare off the geese. When the starters pistol was engaged, the geese just went to the back of the reservoir. We have made our first payment of the agreement and Jeff expressed his concern about the number of geese still present. One theory is that the geese are migrating between Leaping Wells and Westover Golf course, which are both located within the fly zone of Westover air base. Jeff will keep the Board updated. Jeff informed the Board that he received a proposal for the interior inspection and Cleaning of the Industrial Drive Water Tank from Aqueous Infrastructure Management in the amount of \$7,490.00. (see Note 4) R. Scott Williams asked if there were areas that needed repair, would they be addressed. Jeff responded that repairs would not be addressed as part of the inspection and would need to be addressed at a later date. Jeff does not anticipate any issues with the exception of possible edge failure from the coating inside the tank. Eden inquired if there would be a video of the inspection and Jeff responded there would be an additional cost of \$390.00.

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It was determined the video was not necessary. R. Scott Williams made a motion to approve the amount of \$7,490.00, which was seconded by William Schenker. Motion carried

LEAPING WELLS PROPERTY: William Schenker informed the group that he recently heard that the South Hadley Electric Light Department was looking for a 6-acre parcel for a new facility. Bill would like to entertain the thought of a possible donation of the property to help SHELD. Jeff will reach out to Sean Fitzgerald about the idea as well as legal counsel on the process. Jeff will have all the information relative to the parcel at the next meeting for discussion.

ADJOURNMENT:

William Schenker made a motion to adjourn, which was seconded by R. Scott Motion carried Willams.

Meeting adjourned at 6:02 p.m.

**BOARD OF WATER COMMISSIONERS** 

Scott Williams, Clerk

Minutes 1/17/2024 pg. 3 To Jeff Cyr and The Board of Water Commissioners,

I am writing to submit my resignation as a water operator at South Hadley Water Dept. My last day will be January 22, 2024.

I want to thank you for the amazing opportunity of working with you to ensure high water quality while consistently updating our water system infrastructure. I have learned a lot of new processes and procedures. I have had the opportunity to drive, operate and maintain some great equipment. As I advance my career, I have been presented with an opportunity to spend more time operating equipment and building structures which aligns with my goals for the future.

I have thoroughly enjoyed my experience and time working for the Water Dept. I look forward to keeping in touch with you in the future. Thank you for the wonderful experience.

Sincerely,

**Brad-Couture** 

note 1 Minutes 1/17/2024

# Water Leak Survey Report For: South Hadley Water Department Fire District No. 1 South Hadley, MA

South Hadley Water Department #438 Granby Road South Hadley, MA 01075

# November 2023

Survey Completed by:

**MATT GROUF** 



11 BIRCHES RD HUBBARDSTON, MA 01452 GROUFSWATER@GMAIL.COM



Note 2 Minutes 1/17/2024

### **Equipment used in this Survey**

I use state-of-the-art technology to accurately identify and narrow down areas of interest. This included real-time or overnight correlating of water mains and services. High powered sonic equipment, capable of finding very small leaks, was applied to detect and pinpoint accurate leak locations quickly. This included listening on top of the ground over water mains, as well as contacting hydrants, services, and valves. Utilizing both digital correlating and sonic listening allowed me to precisely pinpoint water breaks for correction.

SubSurface Leak Detection: LD-18 w/ High Sensitivity Contact and Ground Microphones
SubSurface Leak Detection: LD-15 w/ High Sensitivity Contact and Ground Microphones
SubSurface Leak Detection: Z-Corr Digital Correlating Loggers (8 Pack)

Sewerin: Stethophon 04 w/ Ground Microphone and Contact Microphone Schonstedt: GA-92 XTd Magnetic Locator

Schonstedt: REX Pipe and Cable Locator

### **Scope of Survey**

The water leak detection survey began on November 6, 2023 and was completed on November 30, 2023. Acoustic listening and digital correlation of approximately 36 miles of water mains and 7 miles of 16" Transmission mains were performed during this survey. Streets with heavy traffic, were correlated and listened on during early morning hours for accurate testing results. Listening with sonic equipment on the hydrants, valves, curb stops (when accessible), and on top of the ground over all the water mains was performed. All leaks uncovered were immediately alerted to the South Hadley Water Department.

Streets Correlated	and Listened Early Morning
	Alvord Street
	Brainerd Street
	Bridge Street
	East Street
7 111100	Fuller Street
	Lamb Street
	Lathrop Road
	Main Street
	Morgan Street
	Newton Street
N	ew Ludlow Road
	West Street
We	est Summit Street

### **Dates in System**

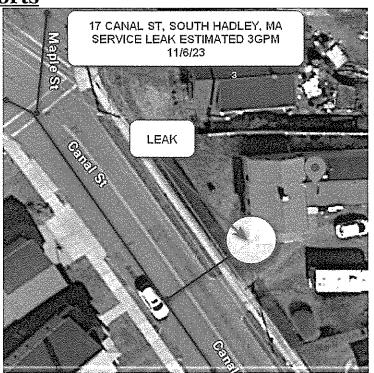
DATES WORKED	JOB TYPE	DETAILS
11/6/2023	START SURVEY	SYSTEM SURVEY START
11/7/2023	SURVEY	SURVEY/PINPOINTS
11/15/2022	SURVEY	SURVEY
11/30/2022	SURVEY COMPLETE	EARLY MORNING SURVEY

### **Leaks Located**

One Service Leak and two Hydrant Leaks were uncovered during this survey. An estimated total of 7 gallons per minute (GPM) loss, was due to these leaks. If left undetected, these leaks could add up to 10,080 gallons per day, 70,560 gallons per week, and a total of 3,669,120 gallons per year.

		LEAK LIST FO	R SOUTH HA	DLEY, MA 11/6/20	)23
#	DATE	TYPE OF LEAK	ADDRESS	LOCATION DETAILS	ESTIMATED GPM
1	11/6/2023	HYDRANT	50 NORTH ST	HYDRANT LEAK	3
2	11/6/2023	HYDRANT	48 HIGH ST	HYDRANT LEAK	1
3	11/6/2023	SERVICE	17 CANAL ST	SERVICE LEAK	3
		TOTAL ES	TIMATED GALLO	NS PER MINUTE LOSS	7

**Aerial Reports** 



### Conclusion

South Hadley Fire District No. 1 greatly benefits from Leak Detection programs. In this survey three leaks were uncovered. Most of these leaks may never have surfaced, which is why yearly Leak Detection Surveys are so beneficial for the district. Detecting these leaks are essential to the conservation efforts of pure and clean water. Conserving this natural resource will help ensure a water supply is available for future generations. These surveys cut down on non-revenue water, which in turn increases revenues, and saves on rate payers resources. Underground leaks that do not surface, can undermine public and private property causing extensive damage. These leaks pose an increased risk for safety and are uncovered with routine leak detection. The amount of non-revenue water saved during this survey will help reduce the unaccounted-for water in the system.

### **Number of Leaks located:**

- o Main Leaks o GPM
- 1 Service Leak approximately leaking a total of 3 GPM
- 2 Hydrant Leaks approximately leaking a total of 4 GPM
- o Valve Leaks o GPM

Approximate system total gallons per minute loss: 7 GPM

Approximate system yearly loss if left undetected: 3,669,120 Gallons

### **Recommendations**

Half-system comprehensive leak detection survey conducted once per calendar year. Leak detection surveys save an extensive amount of money and resources for the town, by detecting leaks that can go unnoticed.

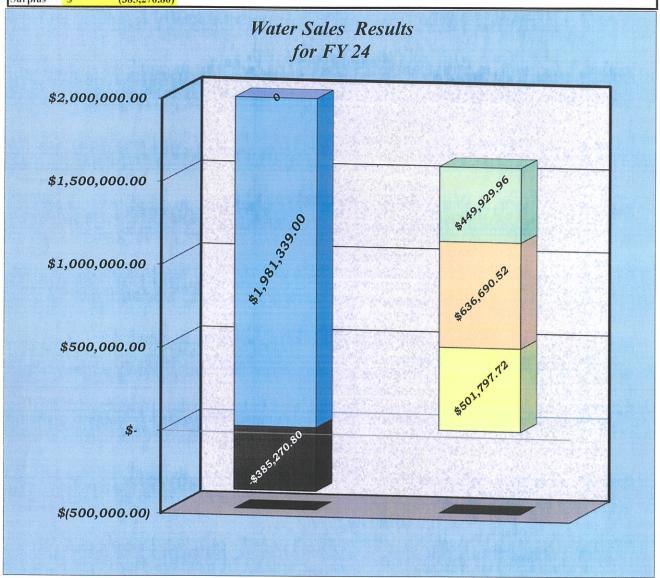
## Recognition

I would like to thank Jeff and his crew at the South Hadley Fire District No. 1 for their immediate response to all inquiries and leak locations. They do an outstanding job maintaining their water system and repairing all leaks promptly. All leaks were repaired before the survey was completed which is very impressive.



Water Department - Fire District No.1

	-		
			Current Water Rents Billed
			FY24
			Commitment
			\$ 1,981,339.00
Qtr. 1	S	501,797.72	25%
Qtr. 2	S	636,690.52	32%
Qtr. 3	S	449,929.96	23%
Qtr. 4			0%
Misc.	S	7,650.00	0%
Total	\$	1,596,068.20	81%
Surplus	S	(385,270.80)	



Water Department - Fire District No.1

	Exnended FV23	Current balances FV24	Proposed Ev. 24/75 Budget	
Wages	\$ 522.858.82	\$ 350 370 87	1agung C7/L7 T nasodor Y	
Waint, And Operations				•
Office Expense	\$ 10 KG 37	37 610 65	13 000 00	Surplus amount \$ 1,040,000.00
Communication				
Tarantan			0,000.00 £	
Materials	07 020 020			1
Webicle Expense		\$ 71.516.13	\$5,000.00	\$1,040,374.96
			17,000,00	
Water Purchase	\$ 766,608.00	4	810.000,00	perimated 2 Aby document has a form
Legal Expenses			10.000.00	בסיווומינית דיז'ע מפרובשספת סמספת כון ווכא
Water Purification and pumping	\$ 9,313,31	5		
Miscellaneous				
Corrosion Control	\$ 24,282.00			
Total	\$ 992,201.50	\$ 683,077.75	\$ 1,205,000.00	
Other Expenses				
Retirement	\$ 165.129.23	<i>CL CC</i> S	171.000.00	, C.
Health, Dental, Life		132	240 000 00	Tetimotod 10% incomes
Treasurer's Salary			17 500 00	ישרוווים ובת דרים ווכו במאם
Reserve Fund	5			
Amortization of Debt Ludlow Facility	\$ 60,593.30			
Amortization of Debt Newton St.			6	
Travel Expense	5	\$ 3,000.00		
Audit Expense	\$ 3,500.00	T		
Interest on Debt		8 0.71	\$ 1.286.00	
Compensation Acct.		5,0(		
Loan Rees	330,00			•
Total	\$ 634,627.89	\$ 170,022.71	\$ 716,166.00	
Capital Expenses	Balan			
Computer Equipt. And Software	9	\$ 6,641.51	\$ 2,000,00	
Gate house Account	,	\$ 337.41	TOTAL CONTRACTOR OF THE PROPERTY OF THE PROPER	
Maps Water system				
Meter Replacement Acct.	\$ 1,851.32			
Keplacement & Installation of New Mains	6	10	100,000.00	
Shop Kepair and Improvements	\$ 1,816.49			
Computer Meter Reading and Equipt. Account	3		\$ 2,000.00	
Water Lank Opkeep and Kepair		1	1	· · · · · · · · · · · · · · · · · · ·
COADA CALE TO ALL ONE				
Second System Equipted Maintenance account		\$ 6,160.11		• •
Wyster Tonk Pointing Account	1		3,000,00	
Nawton St Woter Moin Improvement A court		\$ 4,335.07		
New Office Roof	3 30,063.20	Account full	1	
New Lawnmower		5 52,/12.00		
New Backhoe Account	\$ 11,210,67	Tranc To ea		
New Bobcat Account		2	100 000 00	
	\$ 69.389.02	\$ 69 389 03		
	2		\$ 50,000,00	
Critical Infastructure Stabilization				
Water Tank Stabilization	824,770.89	. 953,784.12		
Total			4	
Total Budget			\$ 3,008,813.00	
Funding Sources				
Water Rents Funds from Surplus	\$ 1,851,185.00	\$ 1,900,170.64	\$ 3,008,813.00	
Funds from Stabilization Fund			S	-
Total Budget	\$ 2.671.342.00	\$ 2.707.331.22	3 008 813 00	,

# Water Department - Fire District No.1

	Proposed Fy24/25 Budget	
Wages	\$ 625,647.00	
Maint, And Operations		Surplus amount \$ 1,040,000.00
Office Expense	\$ 43,000.00	
Communication	00.000'8 8,000.00	
Insurance		
Materials		\$1,040,374.96
Vehicle Expense		
Heat + Light		
Water Purchase	\$ 810,000.00	
Legal Expenses	\$ 10,000.00	
Water Purification and pumping	\$ 62,000.00	
Miscellaneous		
Corrosion Control		
Total	\$ 1,205,000.00	
Other Expenses		
Retirement	\$ 171,000.00	No inc.
Health, Dental, Life	\$ 240,000.00	Estimated 10% increase
Treasurer's Salary		
Reserve Fund	8 10,000.00	
Amortization of Debt Ludlow Facility		
Amortization of Debt Newton St.	2	
Travel Expense		
Audit Expense		
Interest on Debt		
Compensation Acct.	\$ 5,000.00	
Loan Fees		
Total	\$ 716,165.21	
Capital Expenses		
Computer Equipt. And Software	8 2,000.00	
Meter Replacement Acct.		
Replacement & Installation of New Mains	10	
Shop Repair and Improvements	8 5,000.00	
Computer Meter Reading and Equipt. Account	\$ 2,000.00	
Water Tank Upkeep and Repair		
Watermain Leak Detection		
SCADA System Equipt. & Maintenance account	8,000.00	
Leaping Wells Watershed Acct.	3,000.00	
Water Tank Painting Account		
New Bobcat Account	00,000,000	
OPEB Trust Fund		
Critical Infastructure Stabilization		
Water Tank Stabilization		
Total	\$ 462,000.00	
Total Budget	\$ 3,008,812.21	
Funding Sources		
Water Rents	2,	
Funds from Surplus	\$ 875,000.00	
Funds from Stabilization Fund	ı <b>↔</b>	
Poten Dudant	\$ 2,000,012,21	
I otal Davigve		7



Aqueous Infrastructure Management CO. (AIM)

January 11, 2024

Mr. Jeff Cyr Water Dept. Fire District No.1 438 Granby Rd. South Hadley, MA 01075

Dear Jeff,

I would like to thank you for your consideration of *Aqueous Infrastructure Management Co.* (*AIM*) to conduct the In-Service Inspection and Sediment Removal of your water storage facility.

As requested, please find attached a proposal for the In-Service Inspection and Sediment Removal of the *Industrial Drive 1.5-mil* gal Hydrosphere water storage tank.

Should you wish to proceed, we are also including a copy of an agreement to conduct this work. Please sign and return one copy to us at your earliest convenience, allowing a date to be reserved for your project.

Upon completion of this work, comprehensive reports of our findings and corresponding photographs will be submitted.

If you have any questions or would like additional information, please contact me.

Again, I would like to thank you for your consideration of AIM

Sincerely,

AQUEOUS INFRASTRUCTURE MANAGEMENT CO. (AIM)

David M. Cornish

President

DMC/jpm Enclosures

Aqueous Infrastructure Management CO. (AIM) • P.O. Box 910 Assonet MA 02702 • Tel: (508) 758-6126 • Fax: (508) 758-6128 • E-Mail: office@AqueousCo.com • Web Address: https://aqueousco.com/

note4 1/17/2024

# AGREEMENT USI-002440

January 11, 2024

Date

President

Title

BETWEEN AQUEOUS INFRASTRUCTURE MANAGEMENT CO. (AIM) AND SOUTH HADLEY, MA WATER DEPARTMENT, (FIRE DISTRICT NO. 1) FOR THE INSPECTION AND SEDIMENT REMOVAL OF THE INDUSTRIAL DRIVE 1.5-MILLION GALLON HYDROSPHERE WATER STORAGE TANK, AS FOLLOWS:

The South Hadley Fire District #1, South Hadley, MA agrees to have Aqueous Infrastructure Management Co. perform the above mentioned work as per the conditions/terms and costs stated on the proposal dated January 11, 2024. PERSONNEL: Divers / Tenders Complete Sterile Inspection/Cleaning Dive Station (All gear sanitized and utilized only in potable water.) SUBMITTALS: Free unlimited 24/7 access to USAM Cloud for 1-year upon completion of the work. \*Hard copies of your reports can be printed directly from this cloud platform. HEALTH & SAFETY: All work orders are automated specific to job tasks. Task specific safety forms, PPE and personnel roles are submitted daily. Full health and safety plans are available upon request. COST: While mobilized in Massachusetts, 2024: In-Service Inspection and Sediment Removal of the Industrial Drive 1.5-mil gal Hydrosphere water storage tank. **\$7,490.00\*** □ one mobilization: The following add-on services can be provided for the cost listed below: □Ultrasonic Thickness Testing: □Real-Time Video: \$390.00 \$390.00 ☐ Filter bag(s) & capturing of sediment: \$275. /Per bag ☐Kasco® Active Mixer: Inquire Within □Disposal: Cost + 20% Markup ☐Installation of Mixer: Inquire Within \*This cost is based on prevailing wage rates, should prevailing wage rates be required for this project, the hourly rate for additional work will be invoiced at a 50% markup. (If prevailing rates are required, please provide all necessary forms needed to include prevailing wages rates and report form). This proposal is for the Inspection and Sediment Removal of one (1) structure in (1) 8-hour day. Should Aqueous Infrastructure Management Co. (AIM) be required to spend additional time beyond the one (1) 8-hour day allocated for this work, the following hourly rate will be incurred: \$475/per hour. Any time beyond the one (1) 8-hour day will be billed accordingly. TERMS AND CONDITIONS: It is the responsibility of the customer to provide Aqueous Infrastructure Management Co. (AIM) with a location for discharge for all cleaning projects (sediment removal) and to sign off on that location in the USAM work order provided by the onsite crew chief.\*All sites must be maintained to allow a truck and trailer to mobilize to within 25' of the tank, allowing access around the circumference of the tank, and have good, sound ladder access to the rooftop. \*All entry hatches must function allowing internal access to each tank and personnel must be available to mobilize to site locations. If the structure to be inspected has only bott-on entry hatches, the hatches must be removed prior to our arrival and re-secured by the customer at the completion of the project. \*At project commencement, the water level within the is structure must be as full as possible or within 10' of overflow. Per OSHA guidelines, if the structure to be inspected and cleaned is a standpipe exceeding 100', the water level within the structure must be always lowered and maintained between 97'-99' throughout the work. The term "cleaning" refers to the removal of accumulated precipitate, i.e., iron, manganese, or similar precipitate. An additional charge will be incurred for the removal of sand, coagulated sediment, debris, coating chips or other heavy material. Services beyond the removal of precipitate in terms of cleaning may incur an additional charge. Note: The term "one mobilization" refers to always allowing Aqueous Infrastructure Management CO, (AIM) access to all site(s) throughout the project. Should site conditions or operations not allow for complete access to all site(s) throughout the project, an additional charge shall be incurred. \*I understand that if the above-referenced terms and conditions are not met upon Aqueous Infrastructure Management CO. (AIM) arrival on-site, an additional hourly rate of \$300.00/per hour shall be incurred until such time that the terms and conditions are met, and Aqueous Infrastructure Management CO. (AIM) is able to commence operations. For projects that are cancelled less than 24-hrs before their scheduled date, due to circumstances other than an act of God, a cancelation/rescheduling fee of \$600 will be assessed. BY SIGNING BELOW, I AM ACKNOWLEDGING THAT I HAVE READ AND UNDERSTAND THE ABOVE STATED TERMS AND CONDITIONS OF THIS AGREEMENT. \* NET 15 DAYS (Projects exceeding one standard work week (5 Days) will be invoiced weekly at the end of each week.) PAYMENT TERMS: \* ACH PAYMENTS PREFERRED (Please contact our office to make arrangements) If paying by check, payment must be sent via Fed-Ex. (AIM) will provide a prepaid label) IN ACCEPTANCE OF AFOREMENTIONED AGREEMENT: 526E AQUEOUS INFRASTRUCTURE MANAGEMENT CO. (AIM) SO. HADLEY FIRE DISTRICT #1, SO. HADLEY, MA Signature of Authorized Representative Signature of Authorized Representative

Title

Date