

PROTECTIVE SERVICES
COMMITTEE MEETING RECOMMENDATIONS
JANUARY 16, 2017

1. Recommend to Lunenburg Town Council to approve an additional expenditure of \$5,000. on the training budget (Schedule "H"), which will be cost shared 50/50 with the District #1 and 2 Fire Commission and with savings being found in other protective services related budget categories.

PROTECTIVE SERVICES COMMITTEE
MEETING MINUTES

January 16, 2017
5:15 p.m.
Lunenburg and District Fire Hall
25 Medway Street

PRESENT TOWN OF LUNENBURG: Councillor Danny Croft, Chair; Councillor Joseph Carnevale; Councillor John McGee; and Deputy Mayor Peter Mosher.

PRESENT DISTRICTS #1 & #2 FIRE COMMISSION: David Afford; David Baugil; and Brian Keizer, Chair.

ALSO PRESENT: Peter Haughn, Deputy CAO (“DCAO”); Trevor Lohnes, Assistant Deputy Fire Chief; Dave Robb, Deputy Fire Chief; and Darren Romkey, Fire Chief.

The Chair called the meeting to order at 5:15 p.m.

1. Approval of Agenda

Motion: moved and seconded that the agenda be approved as circulated. Motion carried.

2. Approval of Minutes of June 20, 2016

It was agreed to defer these until the next meeting and have them re-circulated.

3. Public Presentations

Nil.

4. Unfinished Business

(a) Superior tank shuttle

The Deputy Fire Chief said this did not occur in the fall because of scheduling all the various volunteer fire departments, but would be looked at again in the spring. He said if rural Fire Departments show they can pump and deliver a certain number of gallons per minute, they can receive a ULC listing which can lead to lower insurance rates for rural customers living in that area. He said the test costs approximately \$2,000. and would be done on a weekend, with two attempts allowed to be successful.

- (b) Fire Chief's request for increased Honorarium (referred by Council from budget discussion)

The Fire Chief commented on this and said he would put together documentation to deal with during the budget process.

5. New Business

- (a) Fire Chief's monthly reports for July, August, October, November, December 2016 and FSANS meeting

Fire Chief's reports for the months of July (Schedule "A"), August (Schedule "B"), October (Schedule "C"), November (Schedule "D") and December (Schedule "E") were previously circulated for information.

The FSANS meeting report (Schedule "F") was also circulated.

- (b) Letter from Province regarding Emergency Services Provider grants

A letter approving \$20,000. in funding (Schedule "G") had previously been circulated. The Fire Chief said most of the work has now been completed. There are some chargers for the fire trucks which may be improved upon at no extra charge.

He commented on the clarity of the digital radios as well as the ability to restrict scanners from listening in on conversations unless they have the proper codes, which would not be provided.

- (c) Request from Fire Department for \$5,000. More in the training budget

Fire Department representatives explained that the training budget, which is normally not surpassed, will be this year because of the unexpected requirement by Fisheries and Oceans to have a training course with a set charge of \$12,000. He said there is a requirement for operators of boats of a certain size to have this training and our rescue boat is ½ meter longer than the cut-off length. We had verbally been told in the past that there was no requirement for this, but when the boat was inspected by them the Fire Department was ordered to tie the boat up until there were trained operators. Six (6) Fire Fighters took the 60 hour course on weekends and they passed just before lobster season. They request an additional \$5,000. to carry out required training such as for Level 1 Fire Fighter (Schedule "H"). The District #1 and 2 Fire Commission members confirmed this could be cost-shared 50/50.

Motion: moved and seconded to recommend to Town Council to approve an additional expenditure of \$5,000. on the training budget (Schedule "H"), which will be cost shared 50/50 with the District #1 and 2 Fire Commission and with savings being found in other protective services related budget categories. Motion carried.

(d) Report on truck pump tests

The pump tests carried out on fire trucks was previously circulated (**Schedule "I"**) for information. It was noted that one vehicle did not pass, however it was very close to passing and the vehicle is due to be replaced in a couple of years. Therefore no further action is required.

(e) Flow testing reports - fire underwriters

A letter was previously circulated from the Fire Underwriters (**Schedule "J"**) on flow tests in the Town of Lunenburg. The Deputy CAO said this flow testing was requested by the NSUARB at the last water rate hearing. It is provided to the Town and the Fire Department for their information. He said there are a couple areas where the flows are lower than one would hope, but it should not cause major issues for the Department. The Fire Chief explained the process for hooking onto hydrants when there are multiple pumpers on a fire scene, noting they would use nearby hydrants and it would not cause any issue for them. In the future they will have larger pumps on their fire trucks so they can pump from longer distances. The Fire Chief said an NFPA standard is to colour code hydrants with their different flow rates, and he will be speaking with the Town Engineer about this.

(f) Budget

In response to a question the DCAO said budgets will be dealt with in February or March, as soon as they are ready.

Adjournment

Motion: moved and seconded that the meeting adjourn. Motion carried.

The meeting was adjourned at 5:38 p.m.

Peter Haughn
Deputy Town Manager/Clerk



Lunenburg & District Fire Department

25 Medway Street, P.O. Box 1478

Lunenburg, Nova Scotia

634-8343 Fax -634-4145

Chief Darren Romkey

Cell- 212-0476 dromkey@eastlink.ca

DOCUMENT NO. 5191
 MEETING Peter Romkey TBA

Chief Report for August 2016

Please refer to the Fire Call Report for all calls for August

DATE REC'D	<u>Sept 6/16</u>
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Training

- Boat operator and operations training throughout the month
- various pump operators are doing individual pump training refreshing
- August 10-truck checks and monthly general meeting
- New water supply procedure put into operation
- August 24-General monthly fire practice on water supply and hose deployment
- 3 members are attending a 30+ hour Medical First Responder course in Riverport

Misc

- August 6-Provided Water coverage during the Elimination Dory Races
- August 6-Annual Beer Garden
- August 10-taken in a new member Joey Decoste
- Aug 12, 13, and 14th-Equipment and crews sent to battle the forest fires in Maitland Bridge and Greenfield
- August 13- I took a truck to represent the department in the Western Shore parade

I have had several calls regarding illegal burns. Investigated by the 3 Chiefs and had the fires put out with no issues.

- August 17-The Ladder truck was taken to Blockhouse for training and orientation
- August 20-The boat and crew provided Water coverage during the International Dory races on the front harbour
- August 29-The Ladder truck was taken to Dayspring for training and orientation

Darren Romkey
 Chief, Lunenburg and District Fire Department



Lunenburg & District Fire Department

25 Medway Street, P.O. Box 1478

Lunenburg, Nova Scotia

634-8343 Fax -634-4145

Chief Darren Romkey

Cell- 212-0476 dromkey@eastlink.ca

INCIDENT NO. 561
 SIGNATURE Robert Sen TBA

Chief Report for October 2016

DATE REC'D Nov 15/16
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Please refer to the Fire Call Report for all calls for October

Training

- Oct 5- Monthly Truck checks followed by the monthly meeting
- Oct 26-Monthly practice-ladder operations, SCBA, pumping, vehicle extrication
- Oct 28-we hosted the Lunenburg Regional training day CEVO (Coaching the Emergency Vehicle Operator) course with several of our members attending

Misc

- Oct 6-Fundraiser for ill Captain Jeff Lilly and Junior fire department
- Ex NHL players played against local players with a social at the station afterwards

Fire Prevention Week Oct 9-15th

- Oct 9-Memorial Church Service and Firefighters Monument ceremony
- Oct 10-Fire drills at Blockhouse Hill apartments and Cornwallis apartments
- Oct 11-Fire drill at Bluenose Academy
- Oct 12-Mutual aid parade at Liverpool
- Oct 13-Open House
- Oct 14-Fire fighter social

Several Day care groups attended fire station tours throughout the week.

Oct 13- A rep from Fisheries and Oceans came and did an inspection of our boat.

The inspection itself was excellent, however, because our boat is 8.5 meters, 0.5 meters over, we have to train our operators to the Small Vessel Operator Proficiency level and the boat has been placed immediately out of service.

We have inquired to several contacts regarding this training, and were told we did not need it. We were still in the process of having our operators trained to this level anyway. This is costly course with a price tag of \$12 000. We hope to have 4-5 operators trained by the end of November

Oct 15- The auxiliary had a chowder luncheon and auction to help raise funds for Wildfire fire fighter coveralls.

Oct 20- D/C Robb and myself attended the monthly LRFES meeting held in Wileville.

Oct 30-Annual pump tests on all trucks done. No issues.

This was also a chance for several of our pump operators to perform their annual refresher.

Oct 31- Halloween night- quiet night, no Incidents reported.

A few members took 2 trucks to Centennial Ave with some juniors and gave out treats.

Darren Romkey

Chief, Lunenburg and District Fire Department



Lunenburg & District Fire Department

25 Medway Street, P.O. Box 1478

Lunenburg, Nova Scotia

634-8343 Fax -634-4145

Chief Darren Romkey

Cell- 212-0476 dromkey@eastlink.ca

MENT NO. 5(4)

TING Protest Service - Jan 2017

Chief Report for November 2016

Please refer to the Fire Call Report for all calls for November

DATE REC'D	<u>Dec 6/2016</u>
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FILE	<u>5(4)</u>

Training

- 6 members completed the 3 weekend 60 hour boat operator course
- Nov 2-members did log book training
- Nov 9- Monthly Truck checks followed by the monthly meeting
- Nov 21- MFR training
- Nov 23- monthly practice log book skills. Most members have completed their log books for the term ending this year

Misc

- Nov 3- I met with a member from New Germany Fire department to discuss our Log Books
- Nov 9- accepted new member Steven Bowles as a probationary member
 - Randall Bouchie, Andrea Haines and Ian Mitchell have completed their probationary period and are now full active members
- Nov 11-Several members attended the Remembrance day service
- I attended the Veterans banquet at the legion that night
- Nov 15-first truck committee meeting to begin designing the new Pumper/Tanker due for replacement in 2018
- Nov 20- members provided Medical coverage for the annual Bert Corkum road race
- Nov 26-participated in the Lunenburg and Bridgewater Christmas parades

Darren Romkey
Chief, Lunenburg and District Fire Department



Lunenburg & District Fire Department

25 Medway Street, P.O. Box 1478

Lunenburg, Nova Scotia

634-8343 Fax -634-4145

Chief Darren Romkey

Cell- 212-0476 dromkey@eastlink.ca

MENT NO. 5(4)
MEETING Protest Service - Jan 2017

Chief Report for November 2016

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Chief, Lunenburg and District Fire Department



Lunenburg & District Fire Department

25 Medway Street, P.O. Box 1478

Lunenburg, Nova Scotia

634-8343 Fax -634-4145

Chief Darren Romkey

Cell- 212-0476 dromkey@eastlink.ca

Chief Report for December 2016

Please refer to the Fire Call Report for all calls for December

Training

- Dec 14-monthly truck checks
- Dec 17- 2 members, Chris Hodder and Joey Decoste received their Red Tag which allows them to perform interior fire attack with SCBA
- Dec 28 monthly general practice cancelled for the Christmas break

Misc

- Dec 5- Members treated the Junior fire fighters to a Christmas meal
- Dec 9-Active members catered the Auxiliary Christmas Dinner
- Dec 14- Entering my 5th year as Fire Chief. I was unopposed.
- Dec 14-Most members were given their new pagers, and Officer portable radios.
- Dec 14-Chris Hodder rejoined the department after a 2 year absence
- Dec 16-Lost Captain Jeff Lilly after a brief illness
 - I attended the Town staff Christmas dinner
- Dec 20-Funeral service for the late Captain Jeff Lilly
 - 37 active members as well as several Honorary, Auxilary and Junior members attended
 - Several members from other departments and Bridgewater Fire Department supplied a pumper and crew at our station to cover any calls during the service to allow our members to attend
- Dec 25- Relatively quiet Christmas. 1call on Christmas evening for a faulty sprinkler system.

Darren Romkey
Chief, Lunenburg and District Fire Department

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DATE	Proteche Sam
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FSANS Oct 23 2016

Attended the annual FSANS meeting held at the fireschool

- CISM: Presenter (Thys Molenaar) talked about Pre -Ed session open to all members and spouses. Wendy Rafuse is person in charge of South Shore. Looking at a symposium to cover suicide/critical incident stress, more info will be sent out. Covered numbers of de-briefings held so far this year
- Next conference in Truro April 8-9 2017
- Executive reports pertaining to activities they have done
- Financial Report: \$64009.47 in total assets, declining from last year as of August 31/2016
- Certification/Accreditation was removed from 2016/2017 budget (\$3500.00) Voted back in after J Cunningham remarked the depts will have to pay the \$25.00 fee and FSANS will not have any input. Members voiced concerns about why Ex didn't know that from J Cunningham in the beginning.
- Committee is looking for Minister of Transportation to lift restrictions on overweight vehicles. No permits to be required as long as manufacturers specs are not exceeded. More info to follow from Fire Marshal
- Standards Comm: FF1 certified or trained on interior attack. Exterior attack is phase 2.
- MFCA is being held in Dieppe, hotel will not be finished until April. Info should be online now. July 9-12 2017
- Fire School: John spoke about the great things at the school. 15 full time staff. Said Hybrid Level 1 course is being well received by a lot of depts?
- Fire Marshal: retiring in January. 35 of 77 provider grants approved. PPE is top of list in scoring.
- Advisory Comm: Written notice on green lights. Comand post only. No green lights to be brought forward in future.
- Cory Zinc sworn in as rep for LRFES

DC Robb



**Municipal Affairs
Office of the Minister**

PO Box 216, Halifax, Nova Scotia, Canada B3J 2M4 • Telephone 902 424-5550 Fax 902 424-0581 • novascotia.ca

DATE REC'D Nov 16/2016
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OCT 21 2016

DOCUMENT NO. 515
MEETING Mr. Romkey - TBA

Darren Romkey
Fire Chief
Lunenburg and District Fire Department
PO Box 1478
Lunenburg, NS B0J 2C0

Dear Mr. Romkey:

I am pleased to inform you that your application under the Emergency Services Provider Fund has been approved. The Department of Municipal Affairs will contribute 50% of the eligible costs, up to a maximum contribution of \$20,000.00, towards the purchase of Communications Equipment for the Lunenburg and District Fire Department.

I would invite you to review the attached documentation and to return a signed copy of the Project Agreement Form at your earliest convenience. Please be advised that the equipment must be received by your organization by March 31, 2017.

Municipal Affairs is working to arrange a project announcement and may be reaching out to you during that process. In the interim, I would ask you to keep the funding information confidential until such time as the public announcement occurs.

If you have any questions regarding this approval, please contact Kirk Janes at (902)-424-5721 or by e-mail at Kirk.Janes@novascotia.ca.

The Province is pleased to be able to support this worthy project for the Lunenburg and District Fire Department.

Sincerely,

Zach Churchill
Minister

c: Suzanne Lohnes-Croft, MLA, Lunenburg

Attachments



Lunenburg & District Fire Department

25 Medway St., P.O. Box 1478, Lunenburg, N.S. B0J 2C0

Fire or Emergency 911 Business or Information (902) 634-8343 Fax (902) 634-4145

November 10, 2016

Mr. Peter Haughn
Deputy Town Manager/Clerk
Town of Lunenburg
Lunenburg, N.S.

Dear Peter:

The Lunenburg & District Fire Department Management committee recently reviewed our training budget for the current year. As you are aware, we recently found out through no fault of our own that the operation requirements for our fire/rescue boat did not meet the necessary specifications. As a result of this situation we were faced with our boat be out of service until such time as our operators could take the necessary training and receive the required certification. The necessary course is costing twelve thousand dollars and requiring those members of our department to give up approximately forty hours of their own time over the next three weeks to complete his training so that we can get our boat back in service.

Since there was no provision in our training budget for this unforeseen circumstance in order for us to continue with our necessary minium training requires we would like to request an additional five thousand dollars for our training budget to carry out the required training for the current fiscal year.

We hope this meets with councils' approval. If, however, you have any additional questions, please don't hesitate to contact Chief Romkey.

Sincerely,

Robin Jackson, Secretary
Lunenburg Fire Department

DOCUMENT NO. 5 (d)
 MEETING Protect Sam Jan 2017



Lunenburg & District Fire Department

25 Medway St., P.O. Box 1478, Lunenburg, N.S., B0J 2C0

Phone (902) 634-8343, Fax (902) 634-4145, Web LDFD.com

Cell Phone 521-6734, email dparks@explorelunenburg.ca

Fire Station Superintendent Donald W. Parks

DATE RECD: Dec / 2016

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November 29, 2016

Protect Sam
 Ben Cira

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Lunenburg & District
 Protective Services Committee
 C/O Deputy Manager Peter Haughn

Please find below information on Fire Department Pumps Service & Testing.

Ladder #1 – Hale 1500 imperial gallon per minute (IGPM) pump.

Pumped 1695 IGPM @ 1695 rpm – Passed rated capacity.

Installed new primer control valve kit.

Pumper #2 – Hale 1050 IGPM pump. Pumped 1038 IGPM@1940rpm (2016)

Pumped 1073 IGPM@1850rpm (2011), Pumped 1063@1850rpm (2012)

Pumped 1048 IGPM@1900rpm (2015). Pump did not pass rated capacity.

This shows higher RPM lower IGPM means pump will need an overhaul next year.

This vehicle is up for replacement in 2018. Pump overhaul could cost as much as \$10,000.00 & not required if vehicle being replaced in 2018.

Packing in this pump has been adjusted but it is no more room to adjust this is a costly repair to replace packing box \$4,000.00. This repair should also be done next year unless it is being replaced in 2018.

Pumper #3 – Waterous 1050 IGPM. Pumped 1164 IGPM @1550 rpm. Passed rated capacity.

Tanker #5 – Hale 425 IGPM pump. Pumped 556 IGPM @ 1780 rpm . Passed rated capacity

Installed new discharge valve kit.

Installed new primer control valve kit.

Installed new valve in tank to pump line.

Tanker #6 – Hale 425 IGPM pump. Pumped 523IGPM @ 1810 rpm. Passed rated capacity.

Installed new primer control valve kit.

Fire Station Superintendent

Donald W. Parks

December 7, 2016

STATEMENT NO.	S(e)
DATE	Jan 16th 2017
BY	Andrew Brown

DATE REC'D	Jan 6, 2017
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Mr. Marc Belliveau

Town of Lunenburg
119 Cumberland St
Lunenburg, Nova Scotia
B0J 2C0

RE: Flow testing for the Town of Lunenburg, NS

As requested, we have completed hydrant flow testing calculations for the Town of Lunenburg, NS. The Required Fire Flows range from a low of approximately 800 imperial gallons per minute to a high of approximately 5600 imperial gallons per minute.

Based on the Required Fire Flows and the variety of risks within the community, several of which are large wood frame structures with heavy exposures, I will be setting the Basic Fire Flow at 4500 imperial gallons per minute or 20457 litres per minute.

The average available flow at 20 psi is 2518 gallons per minute or 11447 litres per minute. The result is that the available fire flow is only 48 % on average of what is required is available at any single hydrant. Given that it is not usually possible to flow this much water from a single hydrant, we require that all commercial lines insured risks have at least two hydrants within 150 m of all parts of the structure prior to a full hydrant protection credit being given under the Canadian Fire Insurance Grading Index.

I have attached copies of the test results. If you have any further questions regarding this matter, please feel free to contact me.

Sincerely,

Andrew Brown PE, BA
Representing the Fire Underwriters Survey (Atlantic Region)

Waterworks Flow Test Results

Confidential Material								
Test Number	Date & Time	Pressures in PSI			Tip Size	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow	IN.			
1	Oct 19 2016 21:12	49	30	35	2.5	822	1033	4500
		RES-FLOW-				H-73 H-87		
Test Number	Date & Time	Pressures in PSI			Tip Size	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow	IN.			
2	Oct 19 2016 21:25	82	75	5	2.5	311	1009	3100
		RES-FLOW-				H-86 H-77		
Test Number	Date & Time	Pressures in PSI			Tip Size	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow	IN.			
3	Oct 19 2016 21:50	90	48	30	3.875	1828	2409	4000
		RES-FLOW-				H-81 H-85		
Test Number	Date & Time	Pressures in PSI			Tip Size	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow	IN.			
4	Oct 19 2016 22:05	88	52	27	3.875	1734	2445	4000
		RES-FLOW-				H-78 H-94		

Legend- Disc. - Discharge
RES.- Residual

Nor.-Normal
R.F.F required Fire Flow

Waterworks Flow Test Results

Confidential Material								
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI	R.F.F IGPM
		NOR.	RES	Flow	RESIDUAL			
9	Oct 19 2016 23:00	90	50	15	3.875	1293	1749	800
RES-FLOW-						H-46 H-45		
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI	R.F.F IGPM
		NOR.	RES	Flow	RESIDUAL			
10	Oct 19 2016 23:20	95	74	10	3.875	1056	2099	5600
RES-FLOW-						H-36 H-15		
Legend- Disc. - Discharge RES.- Residual						Nor.-Normal R.F.F required Fire Flow		
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI	R.F.F IGPM
		NOR.	RES	Flow	RESIDUAL			
11	Oct 19 2016 23:35	90	70	1	3.875	334	657	3600
RES-FLOW-						H-18 H-15		
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI	R.F.F IGPM
		NOR.	RES	Flow	RESIDUAL			
12	Oct 19 2016 23:45	94	35	31	3.875	1859	2100	3800
RES-FLOW-						H-16 H-106		
Legend- Disc. - Discharge RES.- Residual						Nor.-Normal R.F.F required Fire Flow		

Waterworks Flow Test Results

Confidential Material								
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow				
13	Oct 19 2016 23:55	78	50	15	3.875	1293	1916	4000
		RES-FLOW-				H-110 H-107		
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow				
14	Oct 20 2016 0:05	92	76	60	2.5	1076	2425	3100
		RES-FLOW-				H-13 H-105		
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow				
15	Oct 20 2016 0:15	64	32	8	3.875	944	1121	3100
		RES-FLOW-				H-113 H-114		
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow				
16	Oct 20 2016 0:25	56	0	6	3.875	818	644	1000
		RES-FLOW-				H-118 H-116		

Legend- Disc. - Discharge
RES.- Residual

Nor.-Normal
R.F.F required Fire Flow

Waterworks Flow Test Results

Confidential Material								
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow				
17	Oct 20 2016 0:40	85	56	28	3.875	1766	2731	1000
		RES-FLOW-				H-24 H-25		
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow				
18	Oct 20 2016 0:50	42	28	11	3.875	1107	1413	4200
		RES-FLOW-				H-10 H-9		
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow				
19	Oct 20 2016 1:00	44	32	36	2.5	834	1212	4200
		RES-FLOW-				H-119 H-1		
Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI RESIDUAL	R.F.F IGPM
		NOR.	RES	Flow				
20	Oct 20 2016 1:10	42	12	15	3.875	1293	1093	3400
		RES-FLOW-				H-2 H-3		

Legend- Disc. - Discharge
RES.- Residual

Nor.-Normal
R.F.F required Fire Flow

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Test Number	Date & Time	Pressures in PSI			Tip Size IN.	Disc IGPM	THERORETICAL DISC.@20 PSI	R.F.F IGPM
		NOR.	RES	Flow			RESIDUAL	
21	Oct 20 2016 1:30	92	64	60	2.5	1076	1792	2000
		RES-				H-82		
		FLOW-				H-88		