



ATLAS TOWNSHIP, MI

TOWNSHIP BOARD

AGENDA • DECEMBER 5, 2017

Special Meeting

Township Hall

4:00 PM

7386 S. Gale Rd, Grand Blanc, MI 48439

1. CALL MEETING TO ORDER

2. ROLL CALL

3. STAFF PRESENT

4. APPROVAL OF AGENDA

5. PUBLIC COMMENTS

6. NEW BUSINESS

1. APPOINT FIRE CHIEF
2. AUTHORIZE PURCHASE OF COMMERCIAL WASHER FOR FIRE DEPARTMENT
3. CONSIDER REQUEST TO PAY ADDITIONAL COST FOR SHERIFF SERVICES VIA ATLAS TOWNSHIP CONTRACT
4. AUTHORIZE 50/50 MONIES FOR DITCHING ON JORDAN ROAD BETWEEN VASSAR RD AND IRISH RD
5. ANY OTHER BUSINESS THAY MAY COME BEFORE THE BOARD

7. BOARD COMMENTS

8. PUBLIC COMMENTS

9. ADJOURNMENT

10.AGENDA

Note: 1) Each person addressing the board is asked to voluntarily state their name and address for the record.
2) Three (3) minutes will be allowed for an individual addressing the board. Each individual present will be allowed an opportunity to address the board.
3) Please refrain from being redundant.
4) All comments are to be directed to the chair.

PHYSICALLY CHALLENGED PERSONS NEEDING ASSISTANCE OR AID AT ANY PUBLIC MEETING OR PUBLIC HEARING SHOULD CONTACT THE ATLAS TOWNSHIP CLERK AT 810-636-2548 DURING REGULAR OFFICE HOURS, NOT LESS THAN SEVENTY-TWO (72) HOURS PRIOR TO THE PUBLIC MEETING OR PUBLIC HEARING.



Atlas Township Fire Department
7386 Gale Rd. • P.O. Box 277
Goodrich, MI 48438-0277
Business (810) 636-2723 • Fax (810) 636-2345
Emergency 911

Katie Vick
Clerk

Dear Board Member;

As firefighters we put on a SCBA Air Pack when fighting fires. When the fire is out we take them off when rolling hose and picking up equipment, but now our gear is full of soot, ashes and contaminates.

When we get back to the station, we hose the gear off with the garden hose, but we never really get everything clean. We have been breathing these contaminates, and will on every call we go on after that.

We have in the past sent the gear out but the washing is \$45.00 plus \$20.00 shipping for each set of gear. But now the firefighter is out of service because our back up gear is outdated.

I have taken gear to the laundry and used their large washer but it still did not come completely clean and was dripping water when finished.

What we need is a gear washer in the station. These machines are designed and built for cleaning fire fighting gear. The "G Force" extraction will spin dry the gear and with little air dry will be ready to be worn again.

Yours in Fire Safety:

A/C Roger Davis

Interim Fire Chief

Attachment: 20171204121245589 (2372 : AUTHORIZE PURCHASE OF COMMERCIAL WASHER FOR FIRE DEPARTMENT)



PREPARE, PROTECT & PREVENT:

THE GUIDE TO PROPER PPE CLEANING



Attachment: 20171204121245589 (2372 : AUTHORIZE PURCHASE OF COMMERCIAL WASHER FOR FIRE DEPARTMENT)

The best way to protect firefighters is by properly decontaminating gear after an incident, so that a firefighter does not put soiled PPE back on their body following a fire or emergency response.

CHAPTER ONE: Changing The Conversation

Historically, PPE that smelled like smoke or had visible signs of use brought a sense of pride. It represented a badge of honor and the dirtier the gear, the more a firefighter was regarded. However, in recent years, this perception and the conversations around cleaning PPE are changing.

The number of cancer incidences in firefighters has significantly increased over the last 20 years, making it the leading cause of line-of-duty death. As a result, the fire industry, as well as national and local health organizations, have been conducting research to learn more about the carcinogens firefighters are exposed to on the job in an effort to identify what can be done to better protect them. Over the last ten years, there have been multiple studies published detailing of dangers of prolonged exposure to contaminated PPE, which is driving a change in the industry to better understand these risks, educate firefighters on the importance of regularly cleaning PPE and provide training to properly do so.

THE RISKS

Exposure to persistent harmful contaminants in PPE is a serious problem. Firefighters come into contact with the contaminants on the fire ground due to highly toxic substances and a variety of carcinogens. They also risk exposure to an increasing range of infectious pathogens when responding to an emergency medical operation.

Today's households and businesses have more metals, plastics and synthetics, increasing the likelihood of exposure to toxins. Many of these contaminants are related to the number of electronics found in today's households. These harmful chemicals and smoke easily contaminate turnout gear and promptly attach to the fabric of the PPE. Furthermore, these contaminants absorb into firefighters' skin and as temperatures increase, so does the permeability of the skin, making it more absorbent.

The best way to protect firefighters and minimize the risk of toxins absorbing into their skin is by properly wearing the gear during the incident and then decontaminating gear immediately after the incident so that a firefighter does not need to put soiled PPE back on his or her body following a fire or emergency response.

NFPA REGULATIONS

Currently the NFPA requires protective gear to go through an advanced cleaning and inspection once a year. However, the organization recommends that fire departments clean gear as soon as possible after exposure to a fire, body fluids or hazardous materials to preserve the protective qualities of the gear.

To address the health risks and concerns associated with contaminated and soiled gear, the Fire Protection Research Foundation is working on a project to evaluate the current PPE cleaning processes and technologies to determine "How Clean is Clean." As part of this project, the organization is conducting research to understand the levels of chemical and biological contamination, and validate the cleaning procedures required to properly clean them. These findings will help evolve the NFPA requirements and develop industry standards to properly clean and decontaminate PPE.

There is no official industry criteria to reliably show that clothing is being adequately cleaned. The Fire Protection Research Foundation's project aims to establish clear and definitive guidelines for cleaning and decontamination procedures to effectively remove both chemical and biological contaminants. The overall goal of this project is to develop standards that can be implemented in all fire departments across the country to improve firefighter safety and health by reducing the long-term danger of continued exposure to harmful contaminants in unclean or inadequately cleaned PPE.

While this research is underway, firefighters can be proactive by learning more about the proper equipment and processing requirements to thoroughly clean PPE, and by implementing a regular cleaning program within their departments.

CHAPTER TWO: The Right Equipment

Due to the recent studies that outline the health risks for firefighters, many departments and firehouses are taking steps to ensure they have the right equipment and resources to clean their gear.

The most common challenge for laundering PPE is getting the gear clean without compromising the safety properties of the high-tech fibers. If you are considering purchasing equipment for your firehouse or department, it's important to get the right machines that will properly and efficiently wash gear without causing any damage. UniMac[®] laundry manufacturer's complete line of equipment employs a variety of methods to effectively clean the gear without compromising safety.



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WASHER-EXTRACTORS

The NFPA has a number of requirements and recommendations to thoroughly wash turnout gear. These include:

- **Front Load Washer-Extractor:** The NFPA recommends a front load washing machine for cleaning PPE. A top load machine may reduce the service life of the protective garments due to damage caused by mechanical agitation. Additionally, the NFPA advises against cleaning gear in a home or public laundry to prevent contaminating others.
- **Water Temperature:** The NFPA recommends a maximum water temperature of 105 degrees Fahrenheit. If a temperature exceeds 105 degrees during the wash cycle, the gear may be damaged.
- **G-Force:** G-Force is the machine's extraction speed that is responsible for removing moisture. The higher the G-Force, the more water is removed, helping the load dry more quickly. A high G-Force may be a priority when laundering everyday clothes or linens, but due to the materials in the turnout gear, a low extraction speed is best and the NFPA requires a maximum of 100 G-Force. The turnout gear is made up of three layers – the heat resistant fabric, moisture barrier and thermal layer. The moisture barrier provides protection from chemicals and blood-borne pathogens and if the gear is put in a machine with anything more than 100 G-Force, there is a chance that water will push through the moisture barrier which could ruin the material, making it unable to meet safety standards.

CHAPTER TWO: The Right Equipment

- Programmable Equipment:** Turnout gear is a specialty item, and therefore requires specialty wash programs. It's not as simple as throwing towels in a washing machine and pressing start. The cycle and rinse time need to be set to properly clean the gear and the cycle settings will change depending on the item being washed or the level of contamination. For example, there is a cycle specifically for gear that has been exposed to blood-borne pathogens. Additionally, advanced equipment with pre-programmed cycles eliminates any potential for human error of selecting the wrong cycle setting, resulting in a seamless wash. Your equipment distributor is an expert on the equipment and cleaning PPE, and can be a great resource if you have questions on your machine or washing your gear.
- Chemical Injector:** Just as there are specialty wash cycles required for the turnout gear, there are also specific chemicals needed. PPE requires a pH neutral cleaner and using the wrong cleaning solution would decrease the safety properties of the PPE. Today's industry-leading equipment has a chemical injector which will insert the exact amount of cleaning chemicals at the right temperature and time in the wash process. Additionally, the technology will inject laundry chemicals below the water line to ensure proper dilution and keep gear safe. A representative from the chemical company can help with the chemical injector programming, but your distributor is also available to share expertise on cleaning to ensure the PPE is thoroughly washed before it is returned to service.



Now that you know what type of washing machine and features are best for cleaning PPE, you'll need to determine the best size washer-extractor that will meet your firehouse's needs. Common washer-extractor capacities in firehouses range from 30 to 60 pounds because they can wash multiple people's gear at once.

The size of a washer-extractor's basket is an easy way to know how many pieces of gear will fit in one wash load and can be used to help you determine what your firehouse's equipment capacity needs may be. One cubic foot of a washer-extractor basket can accommodate one piece of gear. For example, a 30-pound washer-extractor has a basket of 4.1 cubic feet and can therefore accommodate four pieces in a proper wash cycle. A 45-pound washer-extractor has a basket of 7.3 cubic feet and can accommodate seven pieces of gear. A 60-pound washer-extractor has a basket of 9.7 cubic feet and

CHAPTER THREE: The Proper Process

The processing techniques for washing PPE are very important. Firefighters need to follow all of the required steps in order to properly clean gear and ensure that nothing is damaged during the wash process.

Using the right equipment and following the required laundering processes will also help extend the life of the gear, which can be around \$2,000, as well as ensure that there is no loss of protection due to soiled gear. For example, dirty gear that has not undergone cleaning following service will not reflect heat as well and it will also affect light reflection visibility. The visibility of the reflective tape on the turnout gear is especially important when a firefighter is responding to an accident or incident near traffic.

Firefighters need to follow all of the required steps in order to properly clean gear and ensure that nothing is damaged during the wash process.



LAUNDERING TIPS

Refer to these tips and processes each time you wash your gear:

- **Separate the Lining:** Just as it's recommended to separate lights and darks, it's important that you separate the outer shell of the turnout jacket from the lining. Outer shells should be washed together and the inner linings should be laundered together. There are different wash cycles to accommodate these different materials, as the outer shell will need to go through a heavier wash cycle. There are also specific procedures for washing each of these materials:
 - Outer Lining
 - Prior to washing the outer shell, pre-spot anything that is very dirty.
 - Soak outer shells if necessary prior to washing. Consult with a chemical supplier for recommendations on proper ratios and procedures for soaking PPE.
 - Securely close all buttons, snaps and Velcro prior to putting the outer layer in the washer-extractor.
 - Inner Lining
 - Turn the inner lining inside out to protect the moisture barrier prior to putting it in the washer-extractor.

CONCLUSION

The ultimate goal of developing and adhering to regular cleaning policies and procedures is that no firefighter will ever need to put contaminated gear back on his or her body.

As the Fire Protection Research Foundation continues its research and works with industry leaders, local governments and equipment manufacturers to develop guidelines and cleaning protocols, it's important for fire departments to stay up to date on the latest research and implement cleaning programs at their stations. As a result of the recent research, access to equipment grants and local funding opportunities are increasing, and the cost of the laundry equipment will seem minimal when you compare it to the health benefits it provides. Additionally, many equipment manufacturers, including UniMac®, offer financing programs specifically tailored to meet the unique needs of the fire industry to make paying for your equipment as easy as possible.

To learn more about the NFPA, visit www.nfpa.org. Additionally, a UniMac distributor is a valued expert when it comes to PPE cleaning and maintenance. To find a distributor near you visit www.UniMac.com.



The ultimate goal of regular cleaning policies and procedures is that no firefighter will ever need to put contaminated gear back on their body.

FIRE AND LAUNDRY EXPERTS

The firefighters pictured in this eBook are real firemen and Alliance Laundry Systems employees. They are true laundry experts and are dedicated to educating the fire industry about the importance of regular and proper cleaning of PPE.



*Bill Brooks
UniMac Sales Manager,
North America*



*Kyle Boeck
Plant Operator*



*Tony Berton
Field Services Manager*



*Aaron Dolivec
Electrical Project Designer
Engineering - Electrical*

Attachment: 20171204121245589 (2372 : AUTHORIZE PURCHASE OF COMMERCIAL WASHER FOR FIRE DEPARTMENT)



Universal Laundry Machinery

"The Best in the Midwest"

38700 Webb Dr.
Phone: 734-727-0478

Westland, MI 48185
Fax: 734-727-0481

Toll Free: 1-800-825-7787

PROPOSAL

Client: Atlas Township Fire Department
Address: 8081 Clarence St.

Proposal #: 208167
Date: 10/17/17

Goodrich, MI 48438

Attention: Chief Roger Davis

Telephone: 810-636-2723

Fax:

WE PROPOSE TO PROVIDE

Qty	Prod. ID	Description	Unit Price	Ext. Price
30 LB. GEAR WASHER				
1 ea.	-UniMac UCN030KNF	Commercial 30 lb Washer Extractor Includes: Programmable 30 cycle control, stainless steel basket - shell - door - front & top, automatic liquid and powder supply flush, heavy duty bearings, energy saving inverter drive system, 100 'G' force extraction, 3 year parts warranty, 5 year warranty on the basket - shaft - frame - seals and bearings, 208-240/60/1. Meets ALL NFPA recommendations for washing turnout gear. Cleans up to 4 "pieces" (liners or shells) at a time.	\$7,369.00	\$7,369.00
1 ea.	-BASE	8" High Steel Riser Base Includes: Raises washer for ease of use and drain connection	\$307.00	\$307.00
1 ea.	-Discount	Minus Fire Fighter Discount	-\$1,474.00	-\$1,474.00
1 ea.	FRT-1	Freight From Factory	\$235.00	\$235.00
1 ea.	-DEL	Delivery and Bolt-down	\$830.00	\$830.00
			Subtotal	\$7,267.00
			Tax	
			Total	\$7,267.00

- Pricing is good through November, 2017

Prices quoted are firm as of this date and are, however, subject to change to reflect price increases (if any) to UNIVERSAL put into effect by our equipment manufacturers prior to receiving your signed order.

-Please see next section-

Attachment: 20171204121245589 (2372 : AUTHORIZE PURCHASE OF COMMERCIAL WASHER FOR FIRE DEPARTMENT)



UNIVERSAL LAUNDRY MACHINERY

Proposal No. 208167

SPECIFIC TERMS AND CONDITIONS

Warranty: 90 days labor / 3 years parts	Special Rigging/Installation: N/A
Equip. Quoted F.O.B.: Factory	Special Freight Charge: N/A
Delivery Time Required: 3-4 weeks approx.	Applicable Sales Tax: 6% if applicable
Terms of Payment: 20% deposit, balance at delivery	Other: Lease plans available

IMPORTANT RELEVANT INFORMATION

DEFINITION OF WARRANTY - Parts Warranty begins with the actual date of equipment delivery to your facility, and is in effect, whether or not the machinery is hooked-up and running. Service Warranty begins with the specific date of start-up by UNIVERSAL personnel.

ELECTRICAL SERVICE - It is very important that you verify that the voltages as outlined with the equipment proposals, correspond directly with your facility electrical service. If a discrepancy exists, please notify UNIVERSAL immediately.

SCHEDULING OF MACHINERY DELIVERY - It is our firm policy to order the machinery and schedule deliveries in strict accordance with your specifically stated needs at the time you place your order. In the event that new construction, or any other delays, beyond our control preclude this delivery schedule from occurring, we will store the machinery but will require full payment of all monies owed. Depending upon the time of delay and quantity of equipment involved, there may be a charge for this storage.

FINAL MACHINERY CONNECTIONS - It is the Responsibility of the Customer to arrange and provide for all final service hook-ups including electrical, gas, plumbing, and venting. UNIVERSAL does not offer these services.

DELIVERY SERVICES - UNIVERSAL can deliver equipment to the job site. We will set it in place, bolt it down, and grout if required. We will, at the appropriate time, and at your request, start-up all machinery and provide full instruction to your designated personnel as to its proper and safe use.

ACCESS TO DELIVERY SITE - It is the Responsibility of the Customer to provide clear and un-obstructed access including suitable door openings in order that the equipment may be delivered in a reasonable manner. Proper and suitable foundations must also be provided by the customer on which the machinery is to be mounted.

PAYMENT OF INVOICES - All **Past Due** accounts may be subject to a service charge of 1.5% per month.

10/17/2017

208167

Date of Proposal

Proposal Number

CLIENT ACCEPTANCE OF PROPOSAL - The foregoing Price Proposal, Specific Terms and Conditions, and the Important Relevant Information have been reviewed and are hereby agreed to and accepted as written.

K.A.H. Inc. dba UNIVERSAL LAUNDRY MACHINERY
Mike DeTavernier

Purchaser (Company Name)

Date of Order Placement

Authorized Signature and Title

Please return one copy from each section

Attachment: 20171204121245589 (2372 : AUTHORIZE PURCHASE OF COMMERCIAL WASHER FOR FIRE DEPARTMENT)



UNIVERSAL LAUNDRY MACHINERY

Proposal No. 208167

DEFINITION OF YOUR LIMITED LABOR AND PARTS WARRANTIES

Your **LIMITED LABOR WARRANTY** begins with the date of machinery start up. Your **LIMITED LABOR WARRANTY** covers the labor required to correct a defect in materials or workmanship for the exact time period specified in the "specific terms and conditions" section of your machinery quotation.

When, and if, you contact us to request warranty service, we will attempt to ascertain the exact nature of the problem in order to determine if the situation is covered under your **LIMITED LABOR WARRANTY**. In most cases, the issue of warranty applicability is not difficult to determine. In the event, however, the actual examination and/or repair of the machinery indicates a condition or conditions beyond normal **LIMITED LABOR WARRANTY** coverage, it is expected that you will be responsible for the cost of that particular service call which includes hourly rate and mileage charge. Under these clearly defined circumstances, failure to pay the above stated charges will result in revocation and termination of your **LIMITED LABOR WARRANTY**.

Your **LIMITED PARTS WARRANTY** begins when you receive the machinery. Your **LIMITED PARTS WARRANTY** is issued to you by the machinery manufacturer through Universal Laundry Machinery. It is, therefore, the manufacturer who determines whether or not a returned part will be covered by your **LIMITED PARTS WARRANTY**.

If the manufacturer determines that a returned part is not covered by the **LIMITED PARTS WARRANTY** for reasons of misuse, abuse or because the item is excluded from the **LIMITED PARTS WARRANTY** (perishable components, for example) you will be expected to pay for the replacement parts or parts.

Failure to pay Universal for replacement parts that the manufacturer determines are not covered under the **LIMITED PARTS WARRANTY**, will result in revocation and termination of your **LIMITED PARTS WARRANTY**.

I (we) have read the definition of my (our) **LIMITED LABOR AND PARTS WARRANTIES** as outlined above and fully understand and accept it as presented. I (we) agree to abide by these terms and conditions as set forth.

Atlas Township Fire Department

Customer Company Name

Customer Signature and Title

Mike DeTavernier

For Universal Laundry Machinery

Date

Attachment: 20171204121245589 (2372 : AUTHORIZE PURCHASE OF COMMERCIAL WASHER FOR FIRE DEPARTMENT)



MICHIGAN FIRE DEPARTMENTS
(PARTIAL CUSTOMER LIST)

Oakland Township Mayville Brighton Otsego County
 Rose City Harrison Township Ogema County Charlevoix
 Traverse City Sand Lake Elba Township Brownstown Township
 Ypsilanti Clawson Commerce Township Farmington Hills
 Grand Traverse County Highland Park Livonia Redford
 Davison New Baltimore City of Troy East Lansing
 Mundy Township Dearborn Heights Salem Township Big Rapids
 Wayne Mt. Morris Northville Midland
 Plymouth Township Royal Oak West Bloomfield Plainfield
 Lapeer Mt. Clemens Bloomfield Hills Adrian Township
 Howell Saginaw Pittsfield Township Inkster
 Forest Township Oxford Auburn Hills Delta Township
 Ann Arbor Township Fowlerville Lyon Township Macomb

Universal has installed more UniMac washers in more Michigan fire stations than all of our competitors combined!

Expert Solutions from the Laundry Experts

Universal Laundry Machinery
 38700 Webb Drive • Westland, MI 48185 • 800.825.7787
 mhubbard@univlaundry.com • mdetavernier@univlaundry.com


Eagle Star Equipment

2329 Alger Drive
Troy, MI 48083
(800) 482-3400

Quote

Date	Quote #
10/20/2017	11230

Name / Address
ATLAS FIRE Roger Davis 810-636-2723 chief@atlasfire.org

Ship To

Customer ID	Payment Terms	Sales Rep
NEW LOCATION	Due on receipt	IQ

Qty	Item	Description	Cost	Total
1	CONRMG033P110211100	RMG033P110211100, 33LB HARD MOUNT WASHER/EXTRACTOR, UP TO 200 G FORCE EXTRACT, LOGI-PRO CONTROL, 208-240/60/1	5,870.00	5,870.00
1	CONSBRMG033-6"	RMG033-6", FIXED ELEVATION BASE, 6"	500.00	500.00
1	FREIGHT	FREIGHT FROM FACTORY (ESTIMATED)	210.00	210.00
		+ DELIVER & BOLT DOWN APPROX \$800		

NOTES

PRICE DOES NOT INCLUDE INSTALLATION

Subtotal \$6,580.00

Sales Tax (6.0%) \$394.80

Total \$6,974.80

PRICING VALID FOR 30 DAYS

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UNIVERSAL LAUNDRY MACHINERY

Proposal No. 208167

40 LB. GEAR WASHER

1 ea.	-UniMac UCN040KNF	Commercial 40 lb Washer	\$9,534.00	\$9,534.00
	Includes: Programable 30 cycle control, stainless steel basket - shell - door - front and top, automatic powder and liquid supply flush, heavy duty bearings, energy saving inverter drive system, 100 'G' force extraction, 3 year parts warranty, 5 year warranty on the basket - shaft - frame - seals and bearings, 208-240/60/1. Meets ALL NFPA recommendations for washing turnout gear. Cleans up to 6 "pieces" (liners or shells) at a time.			
1 ea.	-BASE	8" High Steel Riser Base	\$353.00	\$353.00
	Includes: Raises washer for ease of use and drain connection			
1 ea.	-Discount	Minus Fire Fighter Discount	-\$1,907.00	-\$1,907.00
1 ea.	FRT-1	Freight From Factory	\$245.00	\$245.00
1 ea.	-DEL	Delivery and Bolt-down	\$830.00	\$830.00
		Subtotal		\$9,055.00
		Tax		
		Total		\$9,055.00

- Pricing is good through November, 2017

- Universal will deliver, offload, uncrate, set in place, level, and anchor and grout washer to a proper and substantial concrete foundation provided by Atlas Township Fire Department
- Utility connections ARE NOT INCLUDED and are the responsibility of Atlas Township Fire Department
- Clear access (34" door openings, etc.) is the responsibility of Atlas Township Fire Department
- Universal will start-up, check-out, and instruct in use and operation.

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