

“Imagination is more important
than knowledge. Knowledge is limited;
Imagination encircles the world.”

- Albert Einstein



Emergency Response Specialists

**“EMERGENCY RESPONSE
SPECIALISTS”**



“FIRST JOB 100% SUCCESS”

CANADA | USA | INTERNATIONAL

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Who We Are

Fire & Flood Emergency Services was established on May 1st, 2016. We were inspired by the unfortunate circumstances that the city of Fort McMurray, Alberta, Canada was in threat of a wildfire. On May 3rd the city had a mandatory evacuation and unfortunately over 3200 homes burnt. Fire & Flood and their very experienced mass water transfer team, from decades of experience in the oilfield, started testing mass water suppression cannons and water devices. During this time Fire & Flood started their very first Test Trials of our patent pending Mass Water Fire suppression system. Over the course of time, from May 2016 to current, we have engineered and designed many different systems for all types of scenarios. May 11th, 2018, Fire & Flood completed a demo of a two line 20,000 gallons per minute mass water suppression system with 9,900 feet in length, 700 feet in width. This changed the dew point from a two (dessert like conditions) to an eighteen dew point (tropical rain forest) as well as changed the ambient temperature from 26 C to 12 C. This was achieved using drones with monitoring devices. Link to Demo Day Video May 11th, 2018 - <https://youtube/uWlj-ovWDXy>

What We Do

Fire & Flood Emergency Services offers many different options for a variety of needs with our Mass water systems outside of wildfire applications. We offer one stop shop to our clients for all rentals, labor, leasing, training, and purchasing of mass water systems for all applications. We take pride in the fact that our system is universal and can go from a small to a larger system based on the circumstances that we face for the client's situation with the added benefit of the systems being Multipurpose, they can do the following:

- Mass long line water supply lines with break off points to feed multiple areas depending on available water sources along fire protection required areas.
- Supply portable patent pending 2-12 inch lay flat hose, cannon systems that deliver up to 35 M3 (10,000 gallons) per minute (per single line) to atomize water into the atmosphere for wildfire applications or flooding/mud slid situations.
- Inject foam, retardant or any other fluid anywhere on the main line with live pressure. (Max 200 PSI)
- Use the mass water cannon system as a barrier to protect assets and the same system for pumping unwanted water flooding situations.
- Fast fill water trucks, helicopters, air bombers, portable water storage tanks and pits to vastly save time on air and ground travel as we have a continuous supply of water at a very high rate, volume, and Pressure (200 PSI).
- Have full 360-degree capability , and 22 degree to 45 degree up and down adjustment ability with our many different size water cannons with universal placement to be set up to fight the fires head on, or to set up a suppression water curtain to stop a fire that's threatening mass assets , or protecting mass assets when back burning is required it has the ability to be done safely without harm to structures in the event or circumstances change.
- Use the mass water system and the cannons in slide applications to have the total control over a slide without using explosives eliminating damages to infrastructure or to assets and move it naturally.
- Using the same water cannons in a water sourcing application for Irrigation use, all the way to soaking down crops, standing grass, rail way bridges in remote areas, trees, agricultural, mining, wood plants and dry source areas for fire protection in and around sensitive areas.
- Portable modular water storage ponds from 1400 M3 (369,840 US gallons) to 9500 M3 (2,509,634 US gallons)

When

May 9th, 2016; We started live testing of our mass water suppression system, innovating, engineering and growing our Patent Pending innovated technology.

May 10th, 2018; We set up and successfully deployed two 10,000 gallon mass water suppression systems that were set up and a professional sales / documented video / scientific drone monitors of our invention captured the national news coverage of the new invention on May 11th, 2018.

Aug 3rd, 2018; Fire & Flood Emergency Services had an emergency call from the Provincial Government of British Columbia (BC Wildfire service), where we supplied a 3km (1.86 miles) of protection for a small community at the bottom of a mountain in Cawston, British Columbia. We had a total of 7kms of main line and the 3kms of mass water cannon coverage that we rigged up in under only SEVEN HOURS to be fully functional. We were asked the next day to fire up and prime the system as a wildfire was becoming a threat. The fire was stopped leaving green trees and grass along side the mass water suppressing cannons much further than the reach of the cannon. Afterwards we were shocked to see on a blue sky day 30 C+ that a rain cloud was created over the area we protected. This created a small weather pattern of clouds. The client gave Fire & Flood Emergency Services a 100% success rate upon the completion of the first mass asset protection water suppression system to ever be deployed and actively used in the world to date.



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Why

Terry Raymond and the Fire & Flood team have a proven track record and vast knowledge and experience in mass water transfer movement for all required applications. This knowledge came from the very high level of service required in the conventional oil & gas sector that R+R Rentals (sister company of Terry's) has built in Mass water Movement for oilfield completion applications for many years. As we watched the city of Fort McMurray, Alberta, Canada evacuate on a moment's notice and 88,000 people flee their homes at a moment's notice in utter chaos, we were horrified. The wildfire destroyed over 3200 homes of which were some of our very close friends from the industry we work in. This was a very frightful event in our country that inspired some very knowledgeable and creative minds to concept a Innovative (Patent Pending) system of which no one in the world has done nor seen the likes of! OUR MISSION STATEMENT IS TO STOP this tragedy to the best of our ability and humanly possible.



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