



CONCORD PUBLIC WORKS

Water/Sewer Division
135 Keyes Road
Concord, Massachusetts, 01742

TEL: 978-318- 3250 FAX: 978-318- 3204

April 29, 2014

Acton Health Department
Evan Carloni
Public Health Inspector
472 Main Street
Acton, MA 01720

Re: Nagog Pond Pilot Treatment Plan – 0 Acorn Park (339 Nagog Hill Road)
Temporary Storage of Hazardous Materials Concluded

Dear Mr. Carloni;

Concord Public Works' Water and Sewer Division has embarked on a Nagog Pond Master Plan and Treatability study to help us plan for the dynamic nature of water quality while preparing for evolving regulations and increased water demands.

The proposed treatment technology was piloted in the summer of 2013 and winter 2014, under the guidance of Concord's consulting engineer, Environmental Partner's Group. The Pilot Study has concluded and temporary storage of hazardous materials has been removed from the Nagog Pond Ozone Facility.

If you have any questions or require additional information please contact Melissa Simoncini, Senior Environmental and Regulatory Coordinator at 978-318-3250.

Sincerely,


Alan H. Cathcart
Water and Sewer Division, Superintendent

Cc: Stephan Olson, Environmental Partners Group

300 Great Rd

Acton
COPY

Town of Concord
Department of Public Works
Water Division
Nagog Route 2A Pumping Station

Emergency/Contingency Plan

Facility
Nagog Pumping Station
Route 2A
Acton, MA 01720

Hazardous Materials

- 1) Compressed Chlorine 100% (gas)
- 2) Potassium Hydroxide Solution 45-52% (liquid)
- 3) Sodium Hypochlorite 15% (liquid)
- 4) Sodium Fluoride (dry & liquid)
- 5) Blended Polyphosphate &
Zinc Salt Corrosion Inhibitor (dry & liquid)

Facility Emergency Coordinators

The facility emergency coordinators for the Nagog Pumping Station are:

Paul Barilone	Treatment System Operator
Tom Ford	Assistant Treatment System Operator
Alan Cathcart	Superintendent

Emergency Phone Numbers

Water Division (978) 318-3250
-After hours calls to this line are monitored by the Control Center

Acton Police/Fire Ambulance 911

Department of Environmental Protection (800) 424-8002
Emergency Spill Response

CHEMTREC
Emergency Technical Support (800) 424-9300
Hazardous Materials Respondents
(Chemical Transportation Emergency Center)

Hazardous/Toxic Clean-up Contractors
Fleet Environmental Services (888) 233-5338
Clean Harbors, Natick (508) 650-6910

FIRE

- Evacuate the facility
- Call the Acton Fire Department 911

Personnel Emergency Training

- Facility Operator and employees have basic instructions on procedures in case of emergency.

Emergency Medical Equipment

- One standard first aid kit is located at the facility's work desk.

MSDS

- The Material Safety Data Sheets are located at the facility's work desk.

Truck Deliveries

-During the unloading of materials for the Route 2A Station the operator(s) will assist the driver in backing into the station. If the delivery truck protrudes onto Route 2A an operator will park a Water & Sewer vehicle, with lights flashing, on the North side of the delivery truck. An operator will then help direct traffic if necessary.

Chlorine Gas Leak Procedure

Chlorine Gas Detection

A continuous gas detection system is provided at the facility that activates a light indicator located on the outside of the station facing the Route 2A. If a chlorine gas leak is detected the system automatically calls the Concord Water & Sewer Department. If a leak is detected after hours the gas detection system will then call the Concord Police Department who then notify the Call-Person on duty.

Personal Protective Equipment

- a) Supplied-Air Equipment
- b) Eye protection
- c) Rubber gloves

-In case of a chlorine gas leak two supplied-air packs are provided in a room next door to the chlorine room. Only trained operators wearing supplied-air breathing apparatus will investigate and repair leaks. At least two operators work together when investigating and repairing leaks or changing a cylinder.

SPILL PROCEDURES

Personal Protective Equipment

- a) Supplied-Air Equipment
- b) Eye protection
- c) Rubber gloves
- d) Rubber apron
- e) Dust mask

1) Small Liquid Spill (25 gallons or less)

This clean-up procedure applies to the following liquids:

- a) Potassium Hydroxide 45-52%
- b) Sodium Fluoride
- c) Blended Polyphosphate & Zinc Salt Corrosion Inhibitor
- d) Sodium Hypochlorite 15%

-The Facility Operator or his employee shall apply Speedy Dry to soak up spill. Used Speedy Dry shall be placed in a tightly sealed container. When the container has reached capacity, a licensed waste disposal contractor shall be contacted to remove and dispose of the contaminated material.

2) Large Liquid Spill (more than 25 gallons)

(or a spill that flows onto public or private property)

This clean-up procedure applies to the following liquids:

- a) Potassium Hydroxide 45-52%
- b) Sodium Fluoride
- c) Blended Polyphosphate & Zinc Salt Corrosion Inhibitor

-Notify Acton Fire Department

-Notify the following: Spill clean-up contractor

Acton Board of Health

Acton Highway Department (if spill has entered a catch basin)

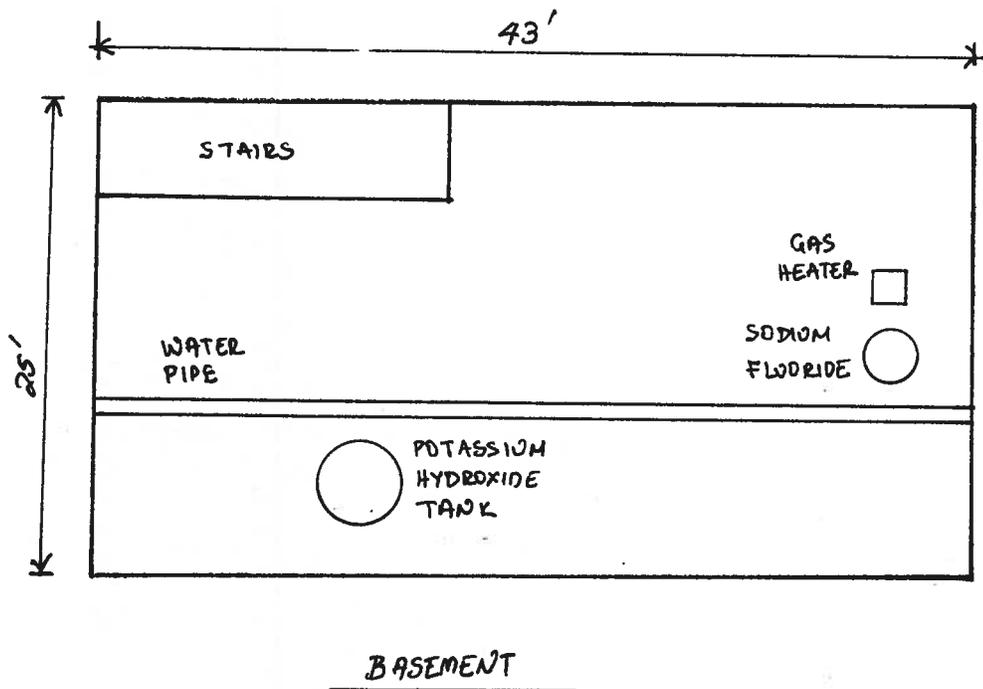
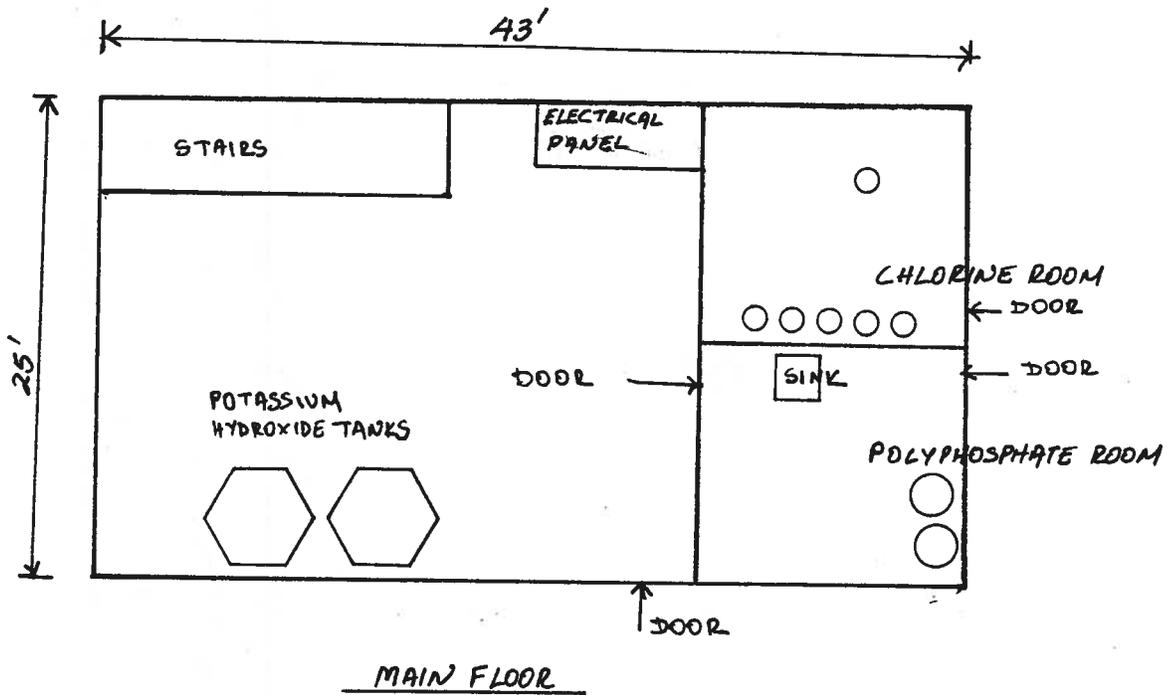
-When each of the above have been made aware of the situation, the Facility Operator and/or his employee(s) shall make every effort to contain the spill until the clean-up contractor arrives.

3) Dry Spill

This clean-up procedure applies to the following dry materials:

- a) Sodium Fluoride
- b) Blended Polyphosphate & Zinc Salt Corrosion Inhibitor

-The Facility Operator or his employee shall collect spilled dry material using a shovel or other appropriate tool. Any material that is clean and can be reclaimed will be stored in a plastic container for reuse. Any material that is contaminated with oil, grease, water, etc. shall be placed in a tightly sealed container. When the container has reached capacity, a licensed waste disposal contractor shall be contacted to remove and dispose of the contaminated material.



NAOGG PUMPING STATION

Evan Carloni

From: Melissa Simoncini [msimoncini@concordma.gov]
Sent: Wednesday, February 12, 2014 10:23 AM
To: Evan Carloni
Cc: ACathcart@concordma.gov; Stephen Olson
Subject: Diesel fuel (55-gallon drum) for supplemental heating at Nagog Pond Pilot Treatment site
Attachments: Concord - Temp Storage of Diesel Fuel.pdf

Good Morning Evan,

I have attached Concord's submittal for the temporary storage of a 55-gallon drum of diesel fuel (with containment) for supplemental heating of pilot water treatment works at the Nagog Pond Ozone Facility (339 Nagog Hill Road, Acton). There has been trouble getting the pilot unit running due to continuing issues with frozen piping and Concord is looking to take delivery of the diesel fuel for supplemental heating as soon as possible.

If you have any questions or concerns, don't hesitate to call.

Thank you for your expedient assistance,
-Melissa

Melissa Simoncini
Senior Environmental and Regulatory Coordinator
Concord Public Works
Water & Sewer Division
135 Keyes Road
Concord, MA 01742

Office: 978-318-3250
Fax: 978-318-3204
www.concordma.gov/water

To stay up to date on essential Water & Sewer Division information, sign up for [Concord News & Notices](#).



CONCORD PUBLIC WORKS

Water/Sewer Division
135 Keyes Road
Concord, Massachusetts, 01742

TEL: 978-318- 3250 FAX: 978-318- 3204

February 12, 2014

Acton Health Department
Evan Carloni
Public Health Inspector
472 Main Street
Acton, MA 01720

Re: Nagog Pond Pilot Treatment Plan – 0 Acorn Park (339 Nagog Hill Road)
Temporary Storage of Diesel Fuel for Supplemental Heating

Dear Mr. Carloni;

Concord Public Works' Water and Sewer Division has embarked on a Nagog Pond Master Plan and Treatability study to help us plan for the dynamic nature of water quality while preparing for evolving regulations and increased water demands.

The proposed treatment technology is currently being piloted, under the guidance of Concord's consulting engineer, Environmental Partner's Group. This work is occurring at the Nagog Pond Ozone Facility, 0 Acorn Park (339 Nagog Hill Road). During the cold weather phase of the pilot effort, one of the vendors has found the need for temporary supplemental heating using Diesel Fuel. The diesel fuel will be stored on a 100-gallon containment pallet for approximately 3-weeks. After the pilot study has been completed, all remaining diesel fuel will be removed from the site and disposed of properly.

Below is a table to the chemicals that will be on-site during and/or between the pilot studies;

<u>Chemical</u>	<u>Maximum Volume</u>	<u>Liquid/ Powder</u>	<u>Purpose</u>
Diesel Fuel	55-gallon drum	Liquid	Supplemental Heating

Materials Safety Data Sheets for chemicals listed above are attached for your records.

If you have any questions or require additional information please contact Melissa-Simoncini, Senior Environmental and Regulatory Coordinator at 978-318-3250.

Sincerely,


Alan H. Cathcart
Water and Sewer Division, Superintendent

Enc.

Cc: Stephan Olson, Environmental Partners Group

Enc.



CONCORD PUBLIC WORKS

Water/Sewer Division
135 Keyes Road
Concord, Massachusetts, 01742

TEL: 978-318- 3250 FAX: 978-318- 3204

July 16, 2013

Acton Health Department
Evan Carloni
Public Health Inspector
472 Main Street
Acton, MA 01720

Re: Nagog Pond Pilot Treatment Plan – 0 Acorn Park (339 Nagog Hill Road)
Temporary Storage of Water Treatment Chemicals

Dear Mr. Carloni;

Concord Public Works' Water and Sewer Division has embarked on a Nagog Pond Master Plan and Treatability study to help us plan for the dynamic nature of water quality while preparing for evolving regulations and increased water demands.

The proposed treatment technology will be piloted, under the guidance of Concord's consulting engineer, Environmental Partner's Group, on-site at the Nagog Pond Ozone Facility, 0 Acorn Park (339 Nagog Hill Road). The 3-week pilot is required to be performed both during a warm water period and a cold water period. Pilot testing is scheduled to begin the week of July 29, 2013 and January /February 2014. After the pilot study has been completed, all remaining chemicals will be removed from the site and disposed of properly.

Below is a table to the chemicals that will be on-site during and/or between the pilot studies;

<u>Chemical</u>	<u>Maximum Volume</u>	<u>Liquid/ Powder</u>	<u>Purpose</u>	<u>Remain on-site between studies</u>
Potassium Hydroxide 45%	55-gallon drum	Liquid	pH adjustment	no
PCH-180	275-gallon tote	Liquid	coagulant/ polymer	yes
Liquid Oxygen	240-liter dewar	Liquid	Oxidizer	no
Potassium Permanganate	5-gallon Bucket	Powder	Oxidizer	yes

Materials Safety Data Sheets for chemicals listed above are attached for your records.

If you have any questions or require additional information please contact Melissa Simoncini, Senior Environmental and Regulatory Coordinator at 978-318-3250.

Sincerely,


Alan H. Cathcart
Water and Sewer Division, Superintendent

Enc.