Fire Safety Plan

for:

200 Albert St. South
Lindsay, ON. K9V 5E6

Fleming College (Frost Campus)

The Fire-fighter's Key Box (CHUBB) location is: **Main Entrance**

The fire safety plan approved location is: **Main Entrance**

Fire Safety Plan Prepared By: **Rob Williams - Security & Emergency Planning Coordinator**

_____
Owner's Authorizing Signature

Approved By: _____
Chief Fire Official

Date Approved: _____

Table of Contents

Part 1
Introduction

A Fire Safety Plan (FSP) shall be prepared, ***approved*** and implemented in buildings regulated by Article 2.8.1.1. of the Ontario Fire Code (see submission procedures below).

Section 2.8 of the Ontario Fire Code, requires the implementation of a FIRE SAFETY PLAN for this building/occupancy. The FSP is required to be kept in the building in an ***approved*** location.

The implementation of the Fire Safety Plan helps to ensure effective utilization of life safety features in a building to protect people from fire. The required Fire Safety Plan shall be designed to suit the resources of each individual building or complex of buildings.

It is the responsibility of the owner to ensure that the information contained within the Fire Safety Plan is accurate and complete. As required by the Fire Code, the Fire Safety Plan must be reviewed as often as necessary, but at intervals not greater than 12 months to ensure that it takes account of changes in the use and other characteristics of the building (*Ontario Fire Code 2.8.2.1.(4) of Division B*). As defined in the Ontario Fire Code, "Owner" means any person, firm or corporation having control over any portion of the building or property under consideration and includes the persons in the building or property.

The Fire Protection and Prevention Act, 1997, Part VII, Section 28, states that in the case of an offence for contravention of the fire code, a corporation is liable to a fine of not more than $100,000 and an individual person, a director or officer of a corporation is liable to a fine of not more than $50,000 or imprisonment for a term of not more than one year or both.

This official document is to be kept readily available at all times for use by staff and fire officials in the event of an emergency.

The Fire safety Plan is also used to provide training to the building's supervisory staff who must have received instructions in the fire safety procedures as described in the plan before they are given any responsibility for fire safety. Supervisory staff shall be available on notification of a fire emergency to fulfil their obligation as described in the fire safety plan, although it is not necessary that supervisory staff be in the building on a continual basis.

SUBMISSION PROCEDURES

At least two (2) copies of the Fire Safety Plan (8 ½ X 11 format) must be submitted to the Chief Fire Official. Upon approval, one copy will be returned to the author and one copy will be retained by the Fire Department. A copy of the plan returned to the author must be placed on site in the approved location as noted on the cover page.

Note: Whenever you see the word "*approved*", it means "*Approved by the Chief Fire Official*" and in this case, by the Fire Department official who approved and signed this plan.

The Chief Fire Official is to be notified regarding any subsequent changes in the approved Fire Safety Plan.

Part 2
Audit of Human Resources

Business/Building Name: Fleming College, Frost Campus

Municipal Address: 200 Albert St. South, Lindsay, ON. K9V 5E6

Business Phone Number: 705-324-9144 Ext. 3998 **Business Fax Number:** 705-878-9318

Building Owner: N/A

Mailing Address:

Phone Number(s): **Work:** **Fax No:**

Cell:

Home: **Email:**

Business Owner: N/A

Mailing Address:

Phone Number(s): **Work:** **Fax No:**

Cell:

Home: **Email:**

Property Management Company: ☒ No ☐ Yes

Company Name: N/A

Address:

Phone Number(s): **Work:** **Fax No:**

Contact Person: **Cell:**

Home: **Email:**

After Hour Emergency Contacts (24 hour telephone numbers)

(Contacts normally called in order of nearness to the property for quickest response. Home address and phone number required to fulfil responsibilities.)

Name: Campus Security Home #: N/A Cell #: N/A

Position: Security Pager #: N/A Other: 705-324-9144 Ext 3998

Address: 200 Albert St. South, Lindsay, ON. K9V 5E6

Name: Mike Peart Home #: N/A Cell #: 705-927-5643

Position: Facilities Manager Pager #: N/A Other: 705-749-5530 Ext. 1508

Name: John Gallen Home #: N/A Cell #: 705-740-5327

Position: Security Manager Pager #: N/A Other: 705-749-5530 Ext. 1191

Name: Terry Williams Home #: N/A Cell #: 705-7405432

Position: Director, Facilities Pager #: N/A Other: 705-749-5530 Ext. 1328

Other Key Contacts

Fire Alarm Monitoring Company:	Trent Security Systems	Phone: 1-705-743-9774
Fire Alarm Company:	Georgian Bay Fire	Phone: 1-800-265-3197
Sprinkler Company:	Georgian Bay Fire	Phone: 1-800-265-3197
Fire Extinguisher Company:	Georgian Bay Fire	Phone: 1-800-265-3197
Security Company:	Paladin Security	Phone: 705-875-1398
Electrical Contractor:	Electric Electric	Phone: 708-878-5878
Plumbing Contractor:	Tom Lucas Plumbing	Phone: 705-799-5695
HVAC	Summit Mechanical	Phone: 705-740-0202

Part 3
Audit of Building Resources Checklist

Occupancy Type: A2 Assembly **Occupant Load:** N/A (if applicable)

Building Height in Storeys: 2 **Storey(s) Below Grade:** N/A

Year Built: 1973 **Additions/Renovations:** 4

Building Construction: Combustable & Non-Combustable (Wood, Steel, Post & Beam, Curtain Wall/Concrete)

Fire Department Access

Brief Description of Fire Dept. Access to Building:

There is one access point where Fire Department can access the building:

1. Main Entrance Chubb Box with key Fire Safety Plan Box & Annunciator Inside Door

Fire Access Routes and access panels or windows provided to facilitate access for firefighting operations shall not be obstructed by vehicles, gates, fences, building materials, vegetation, signs or any other form of obstruction.

Designated Fire Route: ☐ No ☒ Yes

Nearest Municipal Hydrant Location: North West of main building (Corner of Auk Trail and Adelaide St. South)

Private Hydrants: ☐ No ☒ Yes (Location(s)): All hydrants on campus are private

- North of Main Building by flag poles
- East of Main Building near parking lot
- South East of Main Building in field
- South of Main Building by Windmill
- South West of Main Building (Corner of Law and Auks Lodge)
- West of Main Building
- North West of Main building by Skate Park

Fire Department Connection: ☐ No ☒ Yes (Location(s)):

- North Side of Building, East of Main Entrance

NOTE: Fire Dept. connections shall be equipped with plugs or caps that are secured wrench-tight.

Fire Pump: ☒ No ☐ Yes (Location(s) :

Fire Pump Description:

Utilities and Shut-offs

Heating System: ☒ Natural Gas ☒ Electric ☐ Fuel Oil ☐ Other:

- Electric Heating
  - Stairwells
  - Greenhouse
  - Offices
- Natural Gas
  - HVAC Units

Main Gas Shut-off: ☐ No ☒ Yes Location(s):

- Room # 106C (behind Flag Poles)

Main Electrical Shut-off Location:

- Shut of 44KV on pole – at 10000 KVA substation
- Main Breaker for Main Building in substation
- Sub Electrical Rooms – 101D, 106C, 125A, 131D, 150, 166, 158A, 187A, 193A, 346

Main Domestic Water Shut-off Location:

- Room # 106C (Behind Flag Poles)

Other Shut-off: **Location:**

Fire Protection Systems

NOTE: In the event that the municipal fire department finds it necessary to reset, restore or perform emergency measures on any fire protection system, or to contact a contractor for repairs to any fire protection system, the municipality shall incur no liability or costs by such action.

Fire Alarm System: ☐ No ☒ Yes

Article B 6.3.2.2 requires the following information. (3) Of Fire Code & Clause 3.6 of CAN/ULC- 536 Standard.

Type: Single Stage alarm

NOTE: Interconnected smoke alarms installed as a fire alarm system shall be tested and maintained in operating condition in conformance with CAN/ULC-S552, "Standard for the Maintenance and Testing of Smoke Alarms", and as required by the Fire Code.

Where Fire Alarm Signal Monitoring is NOT provided, signage must be posted over each pull station with wording that the Fire Department must be notified in the event of an emergency and the Emergency Telephone Number (9-1-1).

Alarm Signal Monitoring: ☐ No ☒ Yes, by Trent Security Systems

☒ Remote Monitoring Station ☐ Direct to Fire Department ☐ Proprietary Signalling System

Where the Building Code or this Code require a fire alarm system to be monitored to transmit a signal to the fire department, the building owner shall ensure the continuation of the monitoring.

Fire Alarm Manufacturer Name/Make: Edwards of Canada

Model: EST 3

Main Panel Location: Room # 150 (Alarm # 19-20-3004 Zone 1)

Annunciator Panel Location: Main Entrance inside door

Emergency Power Supply for Fire Alarm: (i.e. Batterie(s) located in Fire Alarm Control Panel or in one central location or supplied by emergency generator or combination of both. Describe battery type, charging procedure and maintenance (Type over this wording).

NOTE: The duration of supervisory power for the fire alarm is a minimum of 24 hours followed by a full alarm operation for minutes (*5, 30, 60, or 120 minutes*).

Fire Alarm Description: Single Stage

Fire Alarm Devices and Locations:

Manual Pull Stations: At each exit Door & Stairwell

Smoke Detectors: Stairwells Only

Heat Detectors: Classrooms, offices, hallways, electrical mechanical rooms

Duct-type Smoke Detectors: In most air handling systems

Ancillary Systems: Commercial cooking equipment extinguishing systems

Sounding Devices: Bells and horns in all public areas

Visual Signal Devices: In some public areas (Level)

Emergency Telephones: Campus Safety phones in every classroom and hallways throughout the building

Sprinkler Flow and Valve Supervisory Switches: On a zone by zone basis

Alarm Activation:

1. Activation of a Pull Station
2. Signal from any Detector
3. Water Pressure Drop in a sprinkler line.
4. Pressing the “Drill” button on the main panel.

Acknowledging Trouble Alarm:

Can be done by pushing the “Silence Trouble” Button (Annunciator or Main Panel)

Acknowledging Alarm Signal:

Can be done by pushing the “Acknowledge Alarm” Button (Annunciator or Main Panel)

Alarm Silencing:

1. Go to main panel in room 150
2. Unlock room with AC key – Campus Security can provide
3. Open panel door – key is in the lock
4. Press “Alarm Silence” button once.

Alarm Re-setting:

1. Go to main panel in room 150
2. Unlock room with AC key – Campus Security can provide
3. Open panel door – key is in the lock
4. Press "Alarm Silence" button once.

NOTE: Fire alarm system shall not be reset until permission given by on-scene fire department personnel following an emergency response.

Voice Communication Equipment:

None connected to Fire System, separate Emergency Notification System is available via the phone system, Campus Security can access if needed.

Emergency Telephone Equipment: None

Ancillary Devices:

Sprinkler flow switches	☐ No	☒ Yes
Air supply fan shutdown	☐ No	☒ Yes
Magnetic door hold-open devices	☐ No	☒ Yes

(Hold-opens must release on activation of fire alarm or power disruption)

Electromagnetic Locking Devices ☐ No ☒ Yes

(*Mag-locks must release on activation of fire alarm or power disruption)*

Manual release switch location for mag-locks: ☐ N/A In Room 150 Beside Mina Fire Panel

Note: Doors equipped with magnetic locking devices must be provided with proper signage.

Location(s) throughout building:

1. Room # 306
2. Room # 309
3. Learning Commons
4. Room # 332
5. Room # 334

Smoke Control Measures: ☒ No ☐ Yes

Automatically Shuts-Off With Activation of Fire Alarm ☐ No ☐ Yes

<u>Sprinkler System</u>: ☐ No ☒ Yes Type: ☒ Wet ☒ Dry ☐ Other:

Coverage Area: Level 300 Only

Connected to the Fire Alarm System: ☐ No ☒ Yes

Location of Sprinkler Room/Shut Off Valves:

1. Room # 306B
2. Booster Pump – Room # 350

Fire Department Connection: ☒ No ☐ Yes Location(s):

NOTE: (i) The Chief Fire Official shall be notified when any alterations, additions or repairs are to be made involving the interruption to a sprinkler system.

(ii)Sprinkler control valves and sprinkler water supplies shall not be shut down, disconnected or otherwise impaired for more than 24 hours without notifying the Chief Fire Official

Standpipe System: ☐ No ☒ Yes Locations: Hose Cabinets located on Every Floor

Location of Shutoff/Isolation Valves:

- Room # 106C (behind flag poles)

NOTE: (i) Each Hose Connection in a standpipe system shall have a legible sign reading; "FIRE HOSE FOR USE BY TRAINED PERSONS ONLY"

(ii) Standpipe Hose Stations shall be conspicuously identified and unobstructed, and shall be used for fire protection only.

Fire Department Connection: ☒ No ☐ Yes Location(s):

Portable Fire Extinguishers: Types: ABC – Locations: See **Appendix A** for full list, also refer to schematic drawings in Part 4)

Fixed Extinguishing System for Commercial Cooking Equipment ☐ No ☒ Yes

Type: Dry (i.e. Wet Chemical, Dry Chemical, CO^2)

Connected to Fire Alarm System: ☐ No ☒ Yes

Fuel Source: ☒ Natural Gas ☐ Electric ☐ Other:

Fuel Shut Off for Appliance(s): Location(s): At Each Station

☐ 40BC Extinguisher or ☐ Class K Type: Location:

NOTE: Commercial cooking equipment exhaust and fire protection systems shall be maintained in conformance with NFPA 96, "Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations".

Manual Operation of System: The manual operation instructions are posted on the faceplate of the manual pull station located at each appliance.

System Operating Instructions: Systems all have a copper wire that will melt in the event of a fire and release the valves that operate the system.

Other Extinguishing Systems: ☒ N/A

Type: Area/Location Protecting

Emergency Lighting: ☐ No ☒ Yes

Location(s): All Stairwell, Corridors, & Exits

Upon failure of regular power source, Emergency Lighting for this building is required to have an alternative power supply that provides lighting for ☒ 30 minutes. ☐ 1 hour. ☐ 2 hours.

Emergency Power: ☐ No ☐ Yes Type: ☒ Battery or ☒ Generator

(For emergency lights, etc.)

Generator: ☐ N/A

Fuel Type: ☐ Diesel ☒ Natural Gas ☐ Gasoline ☐ Other:

Fuel Supply Location: East side of Building, beside Hatchery

Transfer Switch Location:

Equipment Powered by Generator: Fish Hatchery Room # 131, CAWT Room # 350, IT Room # 101D

Extra Hazardous Area:

Is there hazardous materials on site? ☐ No ☒ Yes

If YES, please list the material, quantity and location *(also mark locations on schematics)*:

Room #	Room Name	Materials
158	Pathology Wing	Acids & Solvents – See **Appendix B** for Full List
159	Pathology Wing	Acids & Solvents – See **Appendix B** for Full List
190A	Chemical Lab	Acids & Solvents– See **Appendix C** for Full List
192B	Chemical Lab	Acids & Solvents– See **Appendix D** for Full List
195	Chemical Lab	Acids, Solvents & Compressed Gas – See **Appendix E** for Full List
350	CAWT	Acids, Solvents & Compressed Gas – See **Appendix F** for Full List

Is there Flammable Liquids (i.e. gasoline) or Combustible Liquids stored on site? ☐ No ☒ Yes
(Storage of these liquids must be stored in compliance with Part 4 of Division B of the Ontario Fire Code)

If YES, please list the material, quantity and location *(also mark locations on schematics)*:

Room#	Room Name/Area	Material	Quantity
158	Pathology Wing		
159	Pathology Wing		
195	Chemical Lab	Acetylene	
195	Chemical Lab	Compressed Air	

195	Chemical Lab	Nitrogen	
195	Chemical Lab	Helium	
195	Chemical Lab	Argon	
195	Chemical Lab	Nitrous Oxide	
350	CAWT	Argon	1 – 9”x51” cylinder

Exits: *(location of)*

33 exits marked with red illuminated signs - Refer to schematics for locations.

Elevators: ☐ No ☒ Yes

☐ Firefighter (FF) Elevator (RED HELMET designation)

☐ Firefighter Service (YELLOW HELMET designation)

The required firefighters' elevator symbol shall be maintained in identifiable condition.

Automatic Recall by Fire Alarm: ☐ No ☒ Yes Manual Recall: ☒ No ☐ Yes

Manual Recall Switch (es): ☒ No ☐ Yes Location:

Homing Floor(s) for FF Elevator Recall:

Total Number of Elevators in building: 1 Total Number of FF Elevators: 0

FF Elevator Location:

Floors Served by FF Elevator:

Location of recall/operating keys: Campus Security, call 705-340-1868

Operating Instructions:

1. Insert Key to “Service” slot
2. Turnkey one-quarter turn to the right to activate “Service” function.
3. Press desired floor number
4. Hold the “Door Closed” button until the elevator is in motion.
5. Door will remain closed when you get to the desired floor until you press the “Door Open” button.

Part 3
Additional Information

(For any additional information not already covered)

This area is to provide other information on your building not already addressed, and associated with other Fire Code references such as Division B 2.2.3.5.(2)(b), 2.9.3.2., 3.5.3.3.(2) etc. Check the Fire Code to ensure all required information is included in this plan.

Part 4

Please take time to review this page. If all icons required for your building schematics have been transferred to a legend on each drawing, this page can be deleted.

LEGEND FOR BUILDING / UNIT FIRE EMERGENCY SYSTEM


Pull Pin For Kitchen Fire Suppression System


Entrance / Exit


Hydrant


Siamese Fire Department Connection


Free Standing Siamese Fire Department Connection

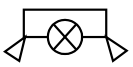

Valves (General)
Identify The Type Of Valve (Ie. Shut Off Valve For Natural Gas, Sprinklers, Etc.)

Fire Alarm Control Panel

Fire Alarm Annunciator


Emergency Light, Battery-Powered


Illuminated Exit Sign, Single Face


Combined Battery-Powered Emergency Light & Illuminated Exit Sign


Pull Station

Heat Detector

Smoke Detector

Fire Extinguisher - BC Type

Fire Extinguisher - ABC Type

Fire Extinguisher - Water

Hose Cabinet


Sprinkler Riser, indicate whether Wet or Dry System

Site Plan
(Include Legend on each page)

Site Plan will include location of property on city street showing street name (cross streets where applicable), and fire access route from street to building's principal entrance (firefighters access point). The fire department connection will also be indicated, as well as any exterior utility shutoffs such as gas lines, and any outbuildings on the property. A legend showing symbols will be included on site plan drawing as well as a direction "North" symbol.

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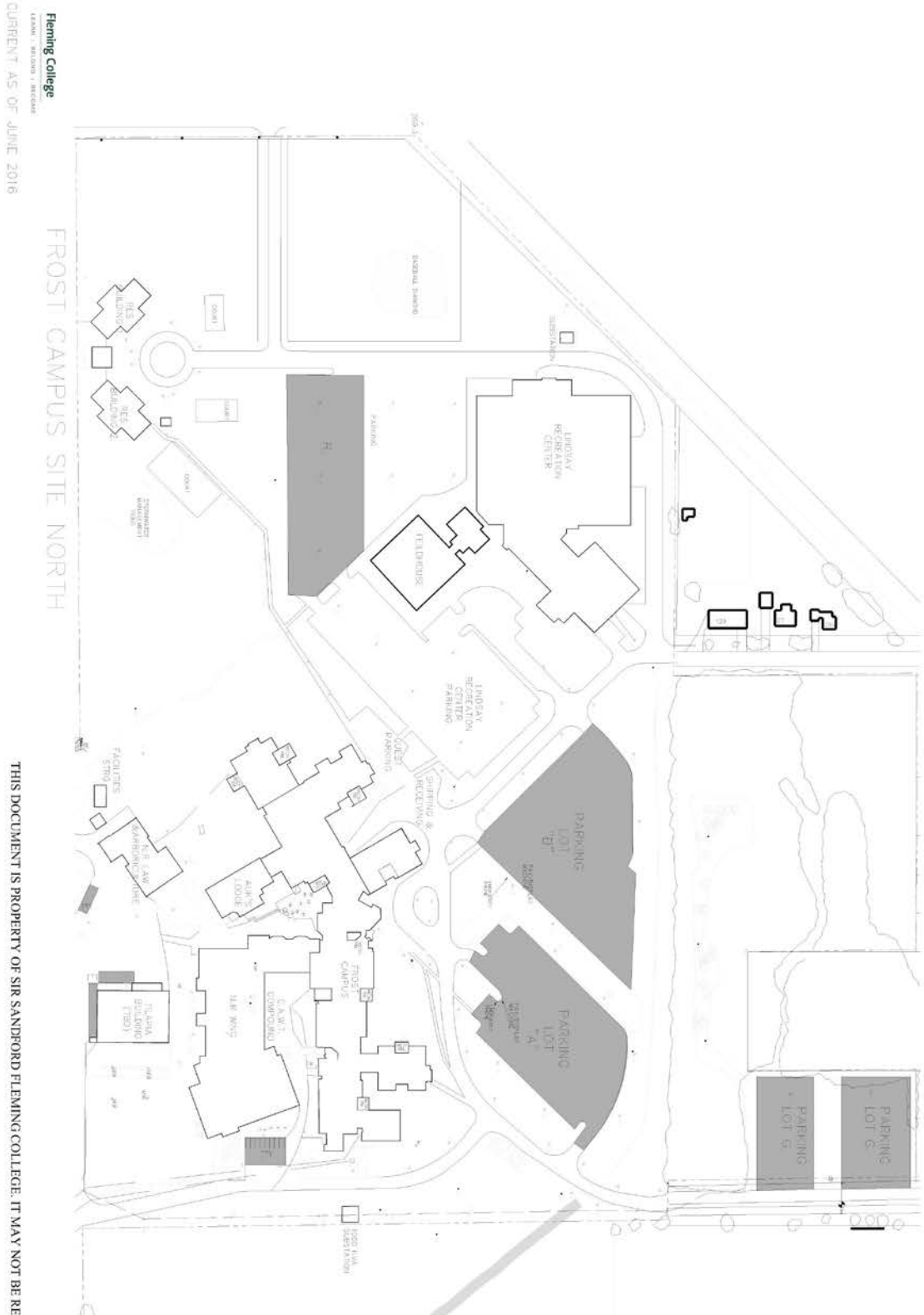

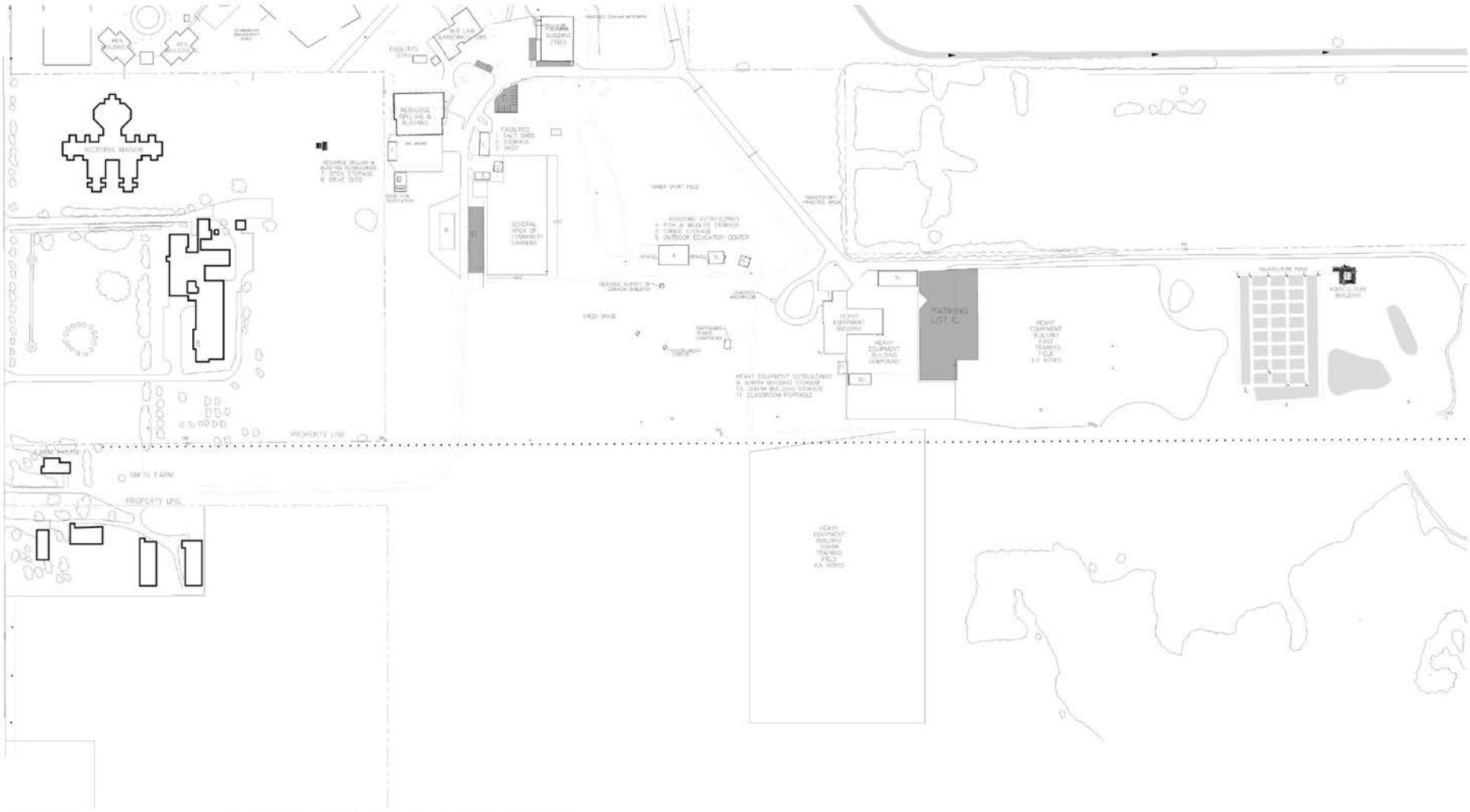

Fleming College
LEARN · BELONG · BECOME

FROST CAMPUS SITE SOUTH

CURRENT AS OF JUNE 2016

Floor Plan(s)

□Please attach Floor Plan to email or send via postal mail.

(Include Legend)

A floor plan is required for each floor/story of the building. If the building has a different layout for a basement story and the first story, but the 2nd to 5th story are identical, you must provide a floor plan for the basement, the 1st story and one plan for the upper identical floors marked "Floor Plan 2 - 5 Floors". Apartment numbers, for example, on these identical floors can be put in as _06, which indicates 206, 306, 406, etc. If the building has roof access and machinery rooms on the roof, include this plan as well. A legend showing symbols will be included on site plan drawing as well as a direction "North" symbol.

Symbols on floor plan will include locations of exits, emergency lighting, fire alarm pull stations, fire extinguisher locations, hose cabinets, etc.

Drawings do not need to be to scale but must be drawn to a reasonable facsimile. Drawings must be neat and legible or will not be accepted. Agencies are available to assist an owner in providing detailed floor plans of their buildings.

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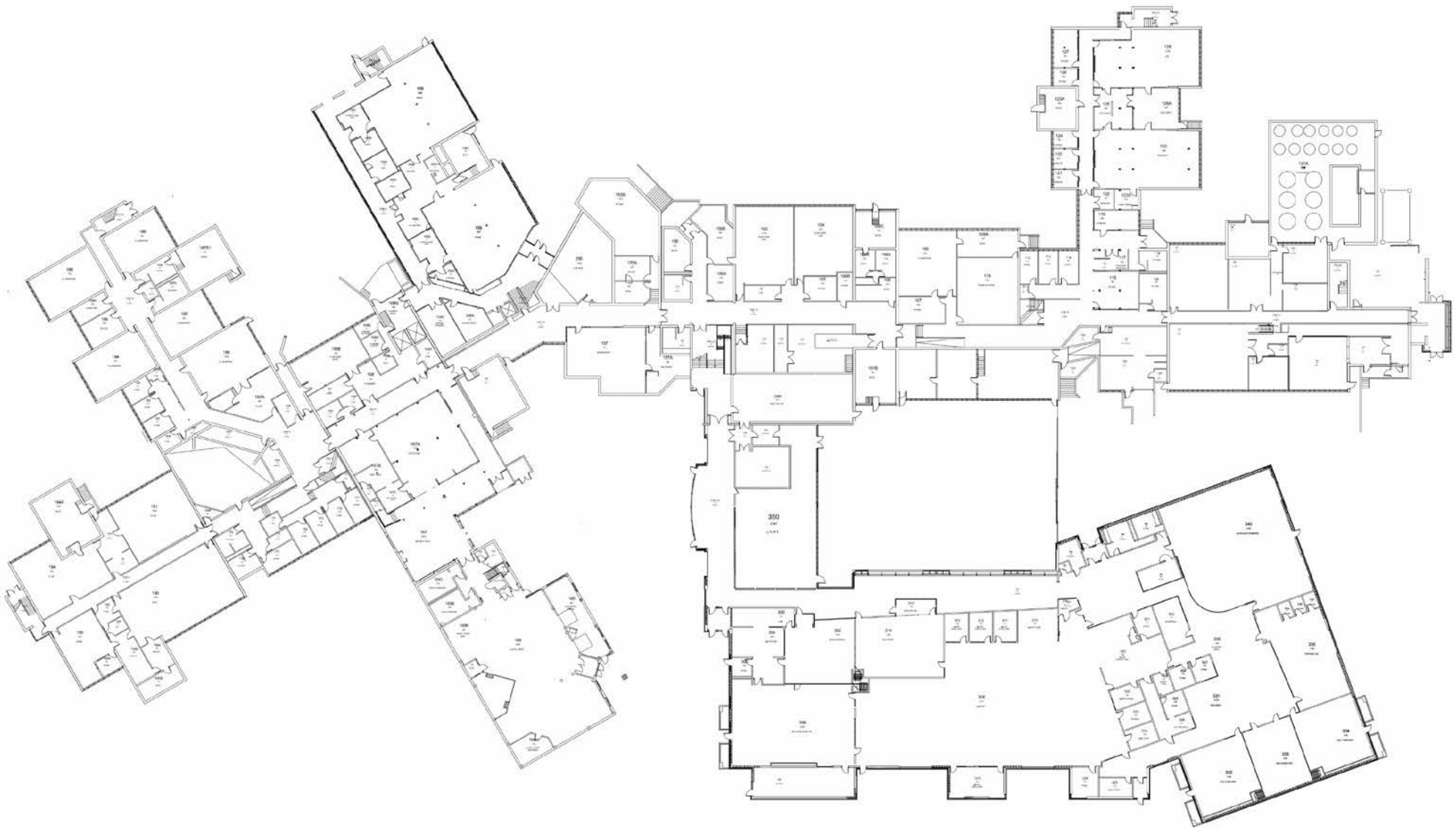
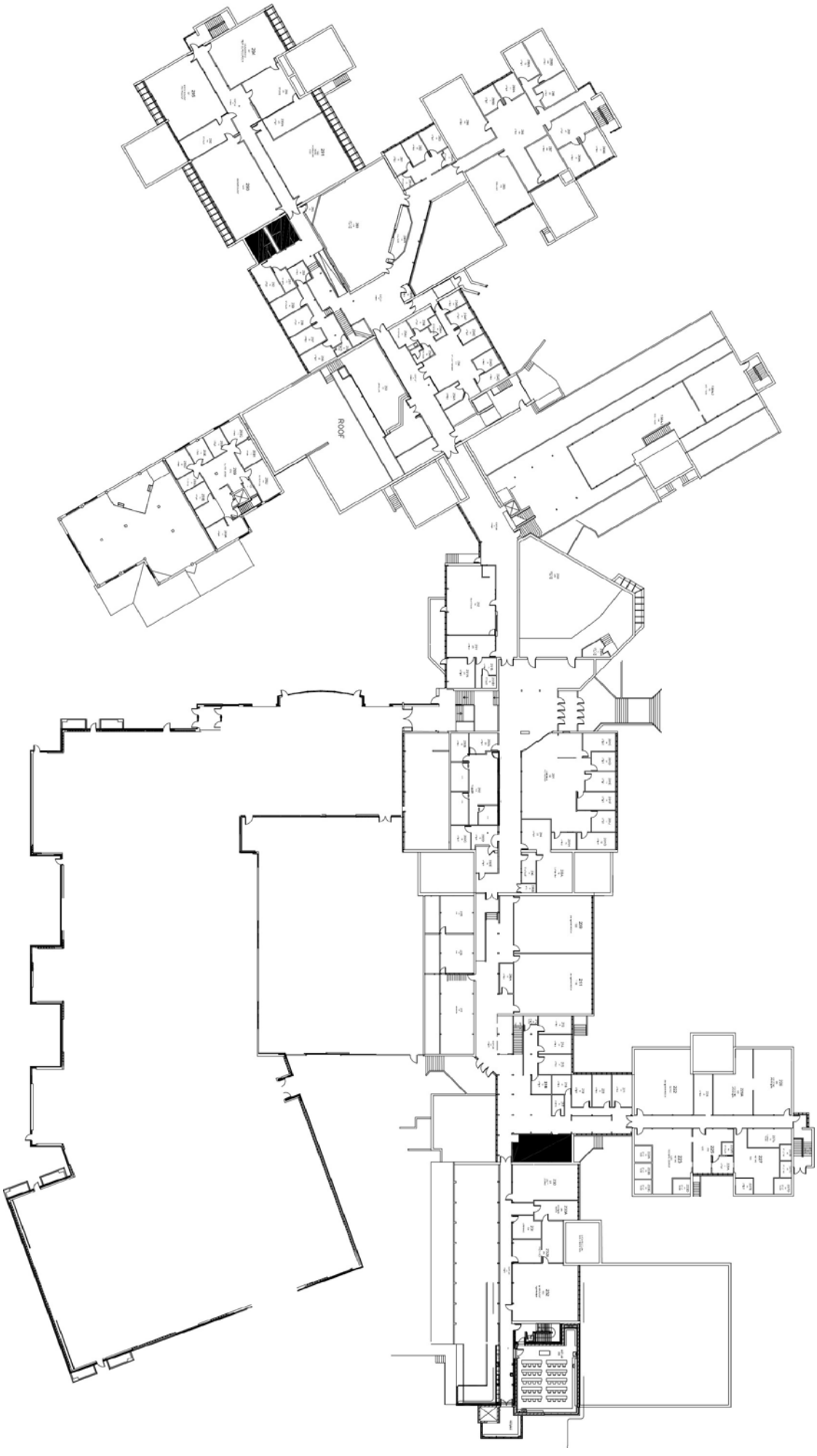


Fleming College
LEARN . BELONG . BECOME

FROST CAMPUS FIRST FLOOR

CURRENT AS OF DEC 2017


ROOF

Part 5

PERSONS REQUIRING ASSISTANCE

Persons that are handicapped and/or require assistance in the event of an evacuation of the building are requested to advise management in order that they may render assistance. The list of persons requiring assistance is required to be updated as often as necessary by management and these changes are to be provided to the Fire Department. An updated list will be kept in the same location as the approved Fire Safety Plan within the building and a copy sent to Peterborough Fire Services. Supervisory staff are to see Part 6 - Emergency Procedures for Supervisory Staff, and offer assistance when possible.

The following list of Fire Refuge Areas are posted in wall washrooms and is available at the Information Booth. The alarms in these areas are tested monthly by Campus Security.

West Wing of Building	South Wing of Building	East Wing of Building
Near Room 189	N/A	Near Room 150
Near Room 194		Near Room 127
Second Floor		**Second Floor**
Near Room 280B		Near Room 211
Near Room 289		Near Room 226
Student Center - 267		Near Room 232

Part 6
Emergency Procedures for Occupants

Emergency procedures signage will be affixed to the wall at all fire alarm pull stations and in elevator lobbies. Where a fire alarm system has been installed with no provisions to transmit a signal to the fire department, a legible notice, that is not easily removed, shall be affixed to the wall near each manual pull station with wording that the fire department is to be notified in the event of a fire emergency and including the emergency telephone number for the municipality or the telephone number of the fire department. At least one copy of the fire emergency procedures shall be prominently posted and maintained on each floor area. The following emergency procedures are posted in the building.

(Choose one of following that suits your building or design your own. Delete the others)

IN CASE OF FIRE

If You Discover a Fire:

- Leave fire area immediately
- Close all doors behind you to confine the fire
- Activate Fire Alarm
- Call Fire Department at 9-1-1 from safe area
- Leave building via nearest safe exit or stairway
- Move a safe distance away from the building

DO NOT USE ELEVATORS

Upon Hearing of a Fire Condition:

- Leave building via nearest exit.
- Close doors behind you.
- Do not use elevator.
- Leave building via nearest safe exit or stairway
- Proceed to designated outside assembly area
- Do not re-enter the building until safe to do so
- If smoke is heavy in the corridor, it may be safer to remain in your area; Close and seal the base of door.
- If you encounter smoke in stairway, use alternate exit or if all stairways are affected, it may be safer to stay in your area.

CAUTION

IF YOU ENCOUNTER SMOKE - USE AN ALTERNATE EXIT

REMAIN CALM

Part 7
Emergency Procedures for Supervisory Staff

Upon Discovery of Fire

- Leave fire area immediately and close doors. Alert occupants.
- Sound Fire Alarm and follow the fire alarm supervisory procedures.
- Call 9-1-1 from a safe location.
- Exit the building via the nearest exit.
- Await the arrival of Fire Department at the main entrance.

Upon Hearing of a Fire Condition

- Ensure that the other occupants have been notified of the emergency conditions.
- Check Fire Alarm Annunciator/Panel to determine area of origin of alarm.
- Notify the Fire Department of the emergency condition. Dial 9-1-1. If it is safe to do so, supervise the evacuation of all occupants, including those requiring assistance.
- Upon the arrival of the Fire Department, inform the fire officer of the conditions in the building and co-ordinate the efforts of the Supervisory staff with those of the Fire Department.
- Provide access and vital information to the Firefighters as to location of persons, master keys for this occupancy and service rooms, etc.

Related Duties

In general:

- Keep the doors in fire separations closed at all times. This includes apartment doors and stairway separation doors.
- Keep EXITS and access to exits, inside and outside, clear of any obstructions at all times.
- Maintain sufficient lighting in exits and corridors.
- Do not permit combustible materials to accumulate in quantities or locations that would constitute a fire hazard. Keep stairways free of combustible storage and obstructions.
- Outdoor storage receptacles, such as dumpsters, used for combustible materials shall be located so that they do not create a fire hazard to buildings.
- Promptly remove all combustible waste from areas where waste is placed for disposal, if applicable.
- Keep access roadways, fire routes and fire department connections clear and accessible for fire department use.
- Hydrants shall be readily available and unobstructed for use at all times and shall be maintained free of snow and ice accumulations.
- Maintain the fire protection equipment in good operating condition at all times.
- Participate in fire drills. Occupants' participation should be encouraged but not required.
- Have a working knowledge of the building fire and life safety systems.
- Ensure the building fire and life safety systems are in operating condition.
- Be available upon notification of a fire emergency to fulfil your obligation as described in this plan.
- Arrange for a substitute in your absence.
- Comply with the requirements of the Ontario Fire Code.
- In the event of any shutdown of fire and life safety systems, notify the Fire Department and initiate approved alternative measures.

Emergency Procedures

Additional Information/Comments

Part 8
Responsibilities of the Owner / Occupant

The building owner/occupant has numerous responsibilities related to fire safety and must ensure that the following measures are enacted:

- Establishment of emergency procedures to be followed at the time of an emergency.
- Appointment and organization of designated supervisory staff to carry out safety duties.
- Instruction of supervisory staff and other occupants so that they are aware of their responsibilities for fire safety.
- Ensure you, or your supervisory staff, are available upon notification of a fire emergency to fulfil your obligation as described in the Fire Safety Plan.
- Holding of fire drills in accordance with the Fire Code, incorporating Emergency Procedures appropriate to the building.
- Control of fire hazards in the building.
- Maintenance of building facilities provided for safety of the occupants.
- Provisions of alternate measures for safety of occupants during shut down of fire protection equipment.
- Ensure that checks, tests and inspections as required by the Ontario Fire Code are completed on schedule, and that the original or a copy of these records are retained at the building premises for examination by the Chief Fire for a minimum period of two (2) years.
- Ensure the continuation of the monitoring of the fire alarm system when building required to transmit a signal to the fire department and that the central station operator is Fire Code compliant.
- Ensure the initial verification of test reports for fire protection systems installed after November 21, 2007, are retained throughout the life of the systems.
- Post and maintain at least one (1) copy of the fire emergency procedures.
- Keep a copy of the approved Fire Safety Plan on the premises in an approved location.
- Notification of the Chief Fire Official regarding changes in the Fire Safety Plan.
- Review Fire Safety Plan as often as necessary, but at intervals not greater than 12 months to ensure that it takes account of changes in the use and other characteristics of the building.
- Designate and train sufficient alternates to replace supervisory staff during any absence.
- Where testing is required for compliance with this Code, the tests shall be carried out by the owner or the owner's agent within such reasonable time as the Chief Fire Official may determine.

Part 9
Fire Hazards

Commercial, Retail and Industrial Properties:

A high standard of housekeeping and building maintenance is probably the most important single factor in the prevention of fire. Listed below are some specific hazards.

- Combustible material stored in non-approved areas.
- Fire and smoke barrier door not operating properly or wedged open.
- Improper storage of flammable liquids and gases.
- Defective electrical wiring and appliances, over-fusing, and the use of extension cords as permanent wiring.
- Clothes dryer lint collector full or improperly vented.
- Careless use of smoking materials.
- Kitchen hoods and filters not cleaned properly/grease laden.
- Improper disposal of oily rags.

In general, occupants should:

- Know how to alarm occupants of building, know where exits are located.
- Call Peterborough Fire Services immediately (9-1-1) whenever you need assistance.
- Know the correct address of the building.
- Notify the building/property management if special assistance is required in the event of an emergency.
- Know the fire alarm signals and the procedures established to implement safe evacuation.
- Know the supervisory staff in your building.
- Report any fire hazard to supervisory staff.
- Know stairwell designation and the crossover floors (if any).

Part 10
Fire Extinguishment, Control or Confinement

Most fires start small. Except for explosions, fires can usually be brought under control if they are attacked correctly with the right type and size of extinguisher within the first two minutes. In the event a small fire cannot be extinguished with the use of a portable fire extinguisher, or smoke presents a hazard for the operator, the door to the area should be closed to confine and contain the fire. If fighting the fire, ensure that the Fire Alarm System has been activated and Peterborough Fire Services has been notified prior to any attempt to extinguish the fire. Only those persons who are trained and familiar with extinguisher operation may attempt to fight the fire.

The decision to use a fire extinguisher is one that is made after considering the following:

- Type of fire (Class A, B, C, D or K)
- Type of fire extinguisher available for the fire
- Size and intensity of fire
- Size and capacity of the fire extinguisher
- Exit location and clear route away from fire

When not to fight a fire…

- If the fire could block your only exit
- If the fire is spreading quickly
- If the type or size of the extinguisher is wrong
- If the fire is too large
- If you don't know how to use the fire extinguisher

Suggested Operation of Portable Fire Extinguishers

Remember the (**PASS**) acronym

P - Pull the safety pin
A - Aim the nozzle
S - Squeeze the trigger handle
S - Sweep from side to side (watch for fire restarting)

Never re-hang extinguishers after use. Ensure they are properly recharged by a person that is qualified to service portable fire extinguishers and that a replacement extinguisher is provided.

Keep extinguishers in a visible area without obstructions around them.

Part 11
Alternative Measures for Occupant Fire Safety

In the event of any shut-down of fire protection equipment systems or part thereof, in excess of 24 hours, the fire department shall be notified in writing. Occupants will be notified and instructions will be posted as to alternative provisions or actions to be taken in case of emergency. These provisions and actions must be acceptable to the Chief Fire Official.

All attempts to minimize the impact of malfunctioning equipment will be initiated. Where portions of a sprinkler or fire alarm system are placed out of service, service to remaining portions must be maintained, and where necessary, the use of watchmen, bull-horns, walkie-talkies, etc. will be employed to notify concerned parties of emergencies. Assistance and direction for specific situations will be sought from Peterborough Fire Services.

Procedures to be followed in the event of shutdown of any part of a fire protection system are as follows:

1. Notify City Of Kawartha Lakes Fire Services, dial (705) 324-5731 ***(DO NOT USE 9-1-1).*** Give your name, address and a description of the problem and when you expect it to be corrected. City of Kawartha Lakes Fire Services is to be notified in writing of shutdowns longer than 24 hours.

2. Post notices at all exits and the main entrance, stating the problem and when it is expected to be corrected.

3. Have staff of other reliable person(s) patrol the affected area(s) at least once every hour.

4. Notify City of Kawartha Lakes Fire Services and the building occupants when repairs have been completed and systems are operational.

NOTE: All shutdowns will be confined to as limited an area and duration as possible. Cooking operations shall be suspended until the commercial cooking fixed extinguishing system is restored.

(See attached Fire Watch Duties and Report Log)

FIRE WATCH DUTIES

Definition: The term "fire watch" is used to describe a dedicated person or persons whose sole responsibility is to look for fire within an established area. Fire watch is required in the event of temporary failure of the fire alarm system or where activities require the interruption of any fire detection, suppression or alarm system component.

NOTE: All building occupants are to be notified in writing that the fire protection systems in the building are not currently functional and that a Fire Watch has been instituted until repairs have been made. Occupants should take immediate actions to notify other occupants and evacuate the building when notified of a fire emergency.

1. At least one (1) qualified staff person shall be employed to complete fire watch duties of the unprotected building area whenever the building is occupied. Each person assigned to Fire Watch duties must be provided with the following equipment;

    i. Suitable means of communication (cell phone, portable radio, etc.) for notifying the Fire Dept.
    ii. A portable air horn or other approved means of sounding an alarm
    iii. Flashlight
    iv. Clipboard and pen
    v. Copy of fire watch duties
    vi. Copy of the Fire Watch Log Sheet
    vii. Keys and/or access codes to provide entry to all rooms/spaces
    viii. Floor plan(s) of the building under Fire Watch

2. Fire Watch personnel are to be familiar with the building and procedures for alerting the fire Department and all building occupants in the event of a fire.

3. Rounds shall be diligently completed at least once each hour, and recorded immediately upon the conclusion of each round on the Fire Watch Log Sheet. The person completing the rounds will record the time each round was completed.

4. Fire watch personnel are to have fire extinguishing equipment readily available and be trained in its use.

5. If fire or smoke conditions are discovered, alert all building occupants by sounding a portable air horn or another device approved by the Chief Fire Official. Attempt to extinguish the fire when it is safe to do so.

6. A telephone must be readily available at all times to notify Peterborough Fire Services by calling 9-1-1. Always call from a safe area.

7. Coordinate evacuation in fire compartment and close door in fire room. Keep all doors closed to limit smoke migration. Continue to assist those with physical of cognitive limitations during evacuation.

8. Once building evacuation is completed, await emergency response personnel at a safe location and direct them to the fire. NEVER re-enter the building without permission from Peterborough Fire Services.

9. "Hot Works" such as welding or cutting shall be prohibited in the area where the sprinkler protection is impaired or be limited to areas where approved precautions have been put into place.

10. While the sprinkler and/or fire alarm system(s) are shut down, assigned fire watch personnel shall patrol the area until both the fire alarm system and the sprinkler system has been restored.

11. Exit doors, access to exits and corridors are to be kept closed and checked periodically for proper operation and obstructions while performing Fire Watch duties.

FIRE WATCH LOG REPORT

_____ System out of service	Date:_____	Time: _____
System Out of Service-Notification to Fire Department	Date:_____	Time: _____

_____ System Back in Service	Date:_____	Time: _____
System Back in Service-Notification to Fire Department	Date:_____	Time: _____

Persons assigned to fire watch duties shall follow the requirements listed on the fire watch duties sheet and shall patrol all unprotected areas of the building every hour to check for signs of fire or smoke conditions. All patrols are to be recorded on this log report immediately following each round. Records of fire watch shall be kept for 2 years after they are made and shall be made available upon request to the chief fire official.

Fire Watch Duties Conducted By: _____
(PRINT NAME & POSITION)

Fire Watch Commenced: Date: _____ Time: _____

Rounds	Start Time	Finished	Signature	Comments
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

Start a new Fire Watch Log Report Sheet for each new day of fire watch

Part 12
Fire Drills

Fire drills will be held at least once every 4 month(s) for this building to ensure efficient execution of the Emergency Procedures by supervisory staff. Fire drill records are required to be retained for a period of 12 months after the fire drill and made available to the Chief Fire Official upon request.

The Fire Code (2.8.3.1.(1) of Div. B) states that the procedure for conducting fire drills shall be included in the fire safety plan, taking into consideration
(a) the building occupancy and its fire hazards,
(b) the safety features provided in the building ,
(c) the desirable degree of participation of occupants other than supervisory staff ,
(d) the number and degree of experience of participating supervisory staff , and
(e) the testing and operation of the emergency systems installed in buildings within the scope of Subsection 3.2.6. of Division B of the Building Code.

The fire drill procedures shall be prepared in consultation with the Chief Fire Official.

THE PROCEDURE IS AS FOLLOWS:

1) Notify all occupants 24 hours in advance of the approximate time when the drill is to take place and include the date of the drill.

2) Post signs containing the above information in the lobby and other locations where guests are most likely to see them.

3) Notify the Fire Department and monitoring agency (if alarm is monitored) before the fire alarm is activated.
FIRE DEPARTMENT PHONE NUMBER: (705) 324-5731 ***(NOT 911 FOR THIS PURPOSE)***

4) Commence drill.

5) Reset alarm system and verify with the alarm company that alarm is reset.

6) Notify the Fire Department when drill has been completed if the alarm was activated.

7) Post-drill de-briefing meeting(s) will be held after drill to assess:
   a) any problems that may have occurred
   b) that all required fire protection equipment functioned as designed

8) Complete the appropriate fire drill document (as shown in fire safety plan) and retain the record for at least 12 months after the drill.

FIRE DRILL RECORD

Date:		Time:		Full Drill or Table-top exercise:
Device Activated:				

On-Duty Manager/Supervisor Conducting Drill:	

Staff Present:	

Deficiencies Noted:	

General Comments:	

Part 13
Requirements of the Ontario Fire Code

Check/Test/Inspect requirements of the Ontario Fire Code:

To assist you in fulfilling your obligations, included is a list of the portions of the Fire Code that requires checks, inspections and/or tests to be conducted of the facilities. It is suggested that you read over this list and perform or have performed the necessary checks, inspections and/or tests for the items which may apply to your property.

This list has been prepared for purposes of convenience only. For accurate reference, the Fire Code shall be consulted. Where specific references to checking, inspection and testing of fire safety devices are not made in this Code, such devices shall be maintained to ensure they operate as per their design requirements.

Where a building or its contents must be tested for compliance with this Code, the tests shall be carried out by the owner or the owner's agent within such reasonable time as the Chief Fire Official may determine.

Any appliance, device or component of a device that does not operate or appear to operate as intended when checked, inspected or tested as required by this Code shall be repaired or replaced if the failure or malfunctioning of the appliance, device or component would adversely affect fire or life safety.

Fire Prevention Officers may check to ensure that the necessary checks, inspections and/or tests are being done, when conducting their inspections, and asked to see the required written records.

Definitions for key words are as follows:

Check means visual observation to ensure the device or system is in place and is not obviously damaged or obstructed

Test means the operation of a device or system to ensure that it will perform in accordance with its intended operation or function

Inspect means physical examination to determine that the device or system will apparently perform in accordance with its intended function

It is stated in the Fire Code that written records of all tests and corrective measures are required to be retained for a period of two years after they are made, and shall be available upon request to the Chief Fire Official. Records shall be made and the original or a copy shall be retained <u>at the building premises</u> for examination by the Chief Fire Official. Records of tests and corrective measures or operational procedures shall be retained so that at least the current and the immediately preceding reports are available, however; records shall be retained for a period of at least two years after being prepared.

NOTE: The initial verification or test reports for fire protection systems installed after November 21, 2007 shall be retained on the premises throughout the life of the systems. This requirement applies to systems installed in accordance with this Code or the Building Code.

General Fire Protection Systems/Equipment

General

Responsibility
(example: Owner, Superintendent, Contractor)

Doors in fire separations shall be **checked** as frequently as necessary to ensure that they remain closed.	Security
Exit signs shall be clearly visible and maintained in a clean and legible condition.	Security
Internally illuminated exit signs shall be kept clearly illuminated at all times, when the building is occupied.	Security

Weekly

When subject to accumulation of combustible deposits, hoods, filters and ducts shall be **checked** weekly and be cleaned when such deposits create an undue fire hazard.	By Department

Monthly

Doors in fire separations shall be **inspected** monthly for proper operation.	Physical Resources (PRD)

Yearly

Fire dampers and fire-stop flaps shall be **inspected** annually, or based on a schedule via contractor acceptable to the Chief Fire Official.	Contractor
Every chimney, flue and flue pipe shall be **inspected** annually and cleaned as often as necessary to keep them free from accumulations of combustible deposits.	PRD & Contractor
Disconnect switches for mechanical air-conditioning and ventilating systems shall be **inspected** annually to establish that the system can be shut down.	PRD
Spark arresters shall be cleaned annually or more frequently where accumulations of debris will adversely affect operations. Burnt-out arresters shall be repaired or replaced.	PRD

Portable Fire Extinguishers

General	**Responsibility**
Each portable extinguisher shall have a tag securely attached to it showing the maintenance or recharge date, the servicing agency and the signature of the person who performed the service.	Contractor
A permanent record containing the maintenance date, the examiner's name and a description of any work or hydrostatic **testing** carried out shall be prepared and maintained for each portable extinguisher.	Contractor
All extinguishers shall be recharged after use or as indicated by an inspection or when performing maintenance. When recharging is performed, the recommendations of the manufacturer shall be followed.	N/A

Monthly	**Responsibility**
Portable extinguishers shall be **inspected** monthly.	Security

Yearly

Extinguishers shall be subject to maintenance not more than one year apart or when specifically indicated by an inspection.	Contractor
Maintenance procedures shall include a thorough examination of the three basic elements of an extinguisher: a) mechanical parts b) extinguishing agent c) expelling means	Contractor
Every twelve months, pump tank water, and pump tank calcium chloride base antifreeze types of extinguishers shall be recharged with new chemicals or water, as applicable	N/A

5 Years

Every five years, pressurized water and carbon dioxide fire extinguishers shall be hydrostatically **tested**.	Contractor

6 Years

Every six years, stored pressure extinguishers that require a 12 year hydrostatic **test** shall be emptied and subjected to the applicable maintenance procedures.	N/A

Fire Alarm System

General	**Responsibility**
Fire alarm and voice communication system components shall be kept unobstructed.	PRD
Fire alarm shall be kept unobstructed.	PRD
Fire alarm system power supply disconnect switches shall be locked on in an approved manner.	PRD

Daily	**Responsibility**
The following daily checks shall be conducted if a fault is established, appropriate corrective action shall be taken. a) **Check** the principle and remote trouble lights for trouble indication; b) **Inspection** of the AC power-on light shall be done to ensure its normal operation.	PRD/Security

Yearly	**Responsibility**
Yearly **tests** conducted by a certified alarm contractor as required by The Ontario Fire Code, Section 1.1.5.3. **Tests** shall be in conformance with CAN/ULC S536, "Inspection and Testing of Fire Alarm Systems".	PRD/Contractor
Voice communications between floor areas and the central alarm control facility shall be **tested** annually, as required for fire alarm initiating and signally devices.	N/A

Standpipe Systems

Monthly	**Responsibility**
Hose cabinets shall be **inspected** monthly to ensure that the hose and equipment are in the proper position and appear to be operable.	Security

Yearly	
Plugs or caps on Fire Department connections shall be removed annually and the threads **inspected** for wear, rust or obstruction. Re-secure plugs or caps, wrench tight.	Contractor
If plugs or caps are missing, examine the Fire Department connections for obstructions, back flush if necessary, and replace plugs or caps.	Contractor
Hose valves shall be **inspected** annually to ensure that they are tight and that there is no water leakage into the hose.	Contractor
Standpipe hose shall be removed and re-racked annually and after use. Any worn gaskets in the couplings, at the hose valve and at the nozzle shall be replaced.	Contractor

Sprinkler Systems (Wet)

General	Responsibility
Auxiliary drains shall be **inspected** as required to prevent freezing.	PRD
Fire Dept. connections shall be equipped with plugs or caps that are secured wrench-tight	PRD

Weekly

Except for electrically supervised valves, all valves controlling water supplies to sprinklers and alarm connections shall be **checked** weekly to ensure that they are sealed or locked in the open position.	PRD
Water supply pressure and system air or water pressure shall be **checked** weekly by using gauges to ensure that the system is maintained at the required operating pressure.	PRD

Monthly	Responsibility
On all sprinkler systems, an alarm **test**, using the alarm test connection located at the sprinkler valve, shall be performed monthly.	PRD

Two Months	Responsibility
All transmitters and water flow devices shall be **tested** at two month intervals.	PRD

Six Months

Gate-valve supervisory switches and other sprinkler system supervisory devices shall be **tested** at six month intervals.	PRD

Yearly

Exposed sprinkler piping hangers shall be **checked** yearly to ensure that they are kept in good repair.	Contractor
Sprinkler heads shall be **checked** at least once per year to ensure that they are kept in good repair.	Contractor
Sprinkler heads shall be **checked** at least once per year to ensure that they are free from damage, corrosion, grease, dust, paint, or whitewash. They shall be replaced where necessary as a result of such conditions.	Contractor
On wet sprinkler systems, water-flow alarm **test** using the most hydraulically remote test connection, shall be performed annually.	Contractor
Sprinkler system water pressure shall be **tested** annually or after any sprinkler system control valve has been operated, with the main drain valve fully open, to ensure that there are no obstructions or deterioration of the main water supply.	Contractor
Plugs or caps on Fire Department connections shall be removed annually and the threads inspected of wear, rust or obstruction. Re-secure plugs or caps, wrench tight. If plugs or caps are missing, examine the Fire Department connection for obstructions, back flush if necessary and replace plugs or caps.	Contractor

Private Fire Hydrants

General	Responsibility
Hydrants shall be readily available and unobstructed for use at all times.	PRD

Yearly

Hydrants shall be **inspected** annually after each use.	Contractor
Ensure hydrants are equipped with port caps secured wrench tight. The port caps shall be removed annually and **inspected** for wear, rust or obstructions.	Contractor
The hydrant barrel shall be **inspected** annually to ensure that no water has accumulated.	Contractor
The drain valve shall be **inspected** for operation if water is found in the hydrant barrel when main valve is closed.	Contractor
Hydrant water flow shall be **inspected** annually and a record shall be kept.	Contractor

Commercial Cooking Equipment

General	Responsibility
Commercial cooking equipment exhaust and fire protection systems shall be installed and maintained in conformance with NFPA 96, "Ventilation Control and Fire Protection of Commercial Cooking Operations".	PRD
Ensure wet chemical or alkali based dry chemical portable fire extinguishers are provided to protect commercial cooking equipment and are readily available for use in an emergency.	PRD/Security

Weekly

Hoods, grease removal devices, fans, ducts, and other equipment shall be **checked** weekly and cleaned at frequent intervals, prior to surfaces becoming heavily contaminated with grease or oily sludge.	By Department

6 Months

Inspection and servicing of the fire extinguishing system shall be made at least every six months by properly trained and qualified persons in conformance with Ontario Fire Code, Section 6.8.1.1.	PRD

Emergency Lighting System

Daily	Responsibility
Check pilot lights for indication of proper operation.	PRD/Security

Monthly

Batteries shall be **inspected** monthly and maintained as per manufacturer's specifications.	PRD
Ensure that battery surface is clean and dry.	PRD
Ensure that terminal connections are clean, free of corrosion and lubricated.	PRD
Ensure that the terminal clamps are clean and tight as per manufacturer's specifications.	PRD
Emergency lighting equipment shall be **tested** monthly to ensure that the emergency lighting will function upon failure of the primary power supply.	PRD/Security

Yearly

Emergency lighting equipment shall be **tested** annually to ensure that the units will provide emergency lighting for a duration equal to the design criteria under simulated power failure conditions.	Contractor
After completion, the charging conditions for voltage and current and the recovery period will be **tested** annually to ensure that he charging system is in accordance with the manufacturer's specifications.	Contractor

Emergency Power Systems

General	**Responsibility**
Emergency power systems shall be **inspected**, **tested** and maintained in conformance with CSA C282, "Emergency Electrical Power Supply for Buildings".	
To ensure continued reliable operation, the emergency power supply equipment shall be operated and maintained in accordance with manufacturer's instructions.	
At least two copies of the instruction manual shall be maintained.	

Monthly	**Responsibility**
The emergency electrical power shall be completely **tested** monthly as follows: a) Simulate a failure of the normal power supply. b) Arrange so that: i) an engine generator set operates under at least 30% of the rated load for 60 minutes and; ii) all automatic transfer switches are operated under load. c) Include an inspection for correct function of all auxiliary equipment such as radiator shutter control, coolant pumps, fuel transfer pumps, oil coolers and engine room ventilation controls. d) Record all instrument readings associated with the prime mover and generator and a verification that they are normal. e) Log and report as further prescribed in the manual of instruction for operation and maintenance. Check fuel supply for sufficient quantity.	

Annually

Test the generator, control panel, and transfer switch in conformance with CSA C282, "Emergency Electrical Power Supply for Buildings".	

Maintenance
Additional Comments

Part 14
Fire Safety Plan Review Record

The Fire Safety Plan must be reviewed as often as necessary, but at intervals not greater than 12 months to ensure that it takes account of changes in the use and other characteristics of the building. It is the responsibility of the owner to ensure that the information contained within the Fire Safety Plan is accurate and complete. (*Ontario Fire Code 2.8.2.1.(4) of Division B*).

Date of Review: ____________________ Reviewed By: ______________________________

Owner/Position: ____________________ Signature: _________________________________

Date of Review: ____________________ Reviewed By: ______________________________

Owner/Position: ____________________ Signature: _________________________________

Date of Review: ____________________ Reviewed By: ______________________________

Owner/Position: ____________________ Signature: _________________________________

Date of Review: ____________________ Reviewed By: ______________________________

Owner/Position: ____________________ Signature: _________________________________

Date of Review: ____________________ Reviewed By: ______________________________

Owner/Position: ____________________ Signature: _________________________________

Date of Review: ____________________ Reviewed By: ______________________________

Owner/Position: ____________________ Signature: _________________________________

Date of Review: ____________________ Reviewed By: ______________________________

Owner/Position: ____________________ Signature: _________________________________

Appendix A
Fire Extinguisher List

East Wing - Level 2		
Unit #	Location/Room	Type
E2 - 001	202 Hallway	5lbs
E2 - 002	202 Hallway - Hose Cabinet	
E2 - 003	202A - Security Office	5lbs ABC
E2 - 004	208 - Green House	10lbs ABC
E2 - 005	209 Hallway	5lbs ABC
E2 - 006	209 - Hallway - Hose Cabinet	
E2 - 007	217 Hallway	5lbs ABC
E2 - 008	217 - Hallway - Hose Cabinet	
E2 - 009	232 - Classroom	10lbs ABC
E2 - 010	232 Hallway	5lbs ABC
E2 - 011	232 - Hallway - Hose Cabinet	
E2 - 012	227 Hallway	5lbs ABC
E2 - 013	227 - Hallway - Hose Cabinet	

West Wing - Level 2		
Unit #	Location/Room	Type
W2-001	250 - Classroom	5lbs ABC
W2-002	250 - Projector Room	5lbs ABC
W2-003	252 Hallway	5lbs ABC
W2-004	252 - Hallway - Hose Cabinet	
W2-005	254 - Hallway	5lbs ABC
W2-006	254 - Hallway - Hose Cabinet	
W2-007	254	10lbs ABC
W2-008	265 - Hallway	5lbs ABC

W2-009	265 - Hallway - Hose Cabinet	
W2-010	280 - Hallway	5lbs ABC
W2-011	280 - Hallway - Hose Cabinet	
W2-012	280 - Projector Room	5lbs ABC
W2-013	285 - Hallway	5lbs ABC
W2-014	285 - Hallway - Hose Cabinet	
W2-015	290 - Classroom	5lbs ABC
W2-016	292 - Hallway	5lbs ABC
W2-017	292 - Hallway - Hose Cabinet	
W2-018	295 - Classroom	5lbs ABC

East Wing - Level 1		
Unit #	Location/Room	Type
E1-001	101C - IT Data Room	5lbs ABC
E1-002	101C - Hallway	5lbs ABC
E1-003	101C - Hallway - Hose Cabinet	
E1-004	101D - Mechanical Room	5lbs ABC
E1-005	101D - Hallway	5lbs ABC
E1-006	101D - Hallway - Hose Cabinet	
E1-007	106D - Mechanical Room	5lbs ABC
E1-008	109A	5lbs ABC
E1-009	116 - Hallway	5lbs ABC
E1-010	116 - Hallway - Hose Cabinet	
E1-011	121 - Classroom	10lbs ABC
E1-012	125 - Hallway	5lbs ABC
E1-013	125 - Hallway - Hose Cabinet	

E1-014	125A - Mechanical Room	5lbs ABC
E1-015	131 - Hallway	5lbs ABC
E1-016	131 - Hallway - Hose Cabinet	
E1-017	131D - Hallway	15lbs ABC
E1-018	131D - Hallway - Hose Cabinet	
E1-019	131D - Mechanical Room	5lbs ABC
E1 - 023	Hatchery - Beside exit door	
E1 - 024	Hatchery - Inside pump/alarm room beside entry door	
E1-020	132 - Classroom	5lbs ABC
E1-021	133 - Hallway	10lbs ABC
E1-022	136 - Classroom	5lbs ABC

West Wing - Level 1		
Unit #	Location/Room	Type
W1-001	150 - Mechanical Room	15lbs ABC
W1-002	155 - Hallway	5lbs ABC
W1-003	155 - Hallway - Hose Cabinet	
W1-004	155B	5lbs ABC
W1-005	158 - Beside Exterior Door	5lbs ABC
W1-006	158 - Beside Door into 158B	5lbs ABC
W1-007	158A - Mechanical Room	5lbs ABC
W1-008	158B - Prep Room	
W1-009	158D - Hallway	5lbs ABC
W1-010	158D - Hallway - Hose Cabinet	
W1-011	158E - Elevator Mechanical Room	5lbs ABC

W1-012	159 - Beside Door into Hallway	5lbs ABC
W1-013	159C	5lbs ABC
W1-014	166 - Mechanical Room	15lbs ABC
W1-015	167 - Café by Register	5lbs ABC
W1-016	Auks Lodge - By Bar	5lbs ABC
W1-017	Auks Lodge - By Bar - Hose Cabinet	
W1-018	Auks Lodge - Beside Main Entrance	5lbs ABC
W1-019	FSA - Upstairs Office	5lbs ABC
W1-020	FSA - Upstairs Office - Hose Cabinet	
W1-021	Kawartha Grill	10lbs ABC
W1-022	167 - Café East	5lbs ABC
W1-023	167 - Kitchen Area	10lbs ABC
W1-024	168 - Hallway	5lbs ABC
W1-025	168 - Hallway - Hose Cabinet	
W1-026	168E - Workshop	10lbs ABC
W1-027	168G - Loading Dock	7lbs ABC
W1-028	180A - Hallway	5lbs ABC
W1-029	180A - Hallway - Hose Cabinet	
W1-030	180K - Hallway	5lbs ABC
W1-031	180K - Hallway - Hose Cabinet	
W1-032	185 - Hallway	5lbs ABC
W1-033	185 - Hallway - Hose Cabinet	
W1-034	187B1 - Mechanical Room	15lbs ABC

W1-035	190 - Classroom	10lbs ABC
W1-036	190A - Storage Room	10lbs ABC
W1-037	190B - Storage Room	5lbs ABC
W1-038	191 - Classroom	5lbs ABC
W1-039	192 - Hallway	5lbs ABC
W1-040	192 - Hallway - Hose Cabinet	
W1-041	192 - Classroom	5lbs ABC
W1-042	192A - Storage Room	5lbs ABC
W1-043	192B - Storage Room	30lbs D
W1-044	192B - Storage Room	15lbs ABC
W1-045	193A	5lbs ABC
W1-046	194 - Classroom	6lbs ABC
W1-047	194A - Mechanical Room	15lbs CO2
W1-048	195	10lbs ABC

South Wing - Level 3		
Unit #	Location/Room	Type
S3-001	301 - Hallway	5lbs ABC
S3-002	302	5lbs ABC
S3-003	306 - Outside Exit Door	5lbs ABC
S3-004	306	5lbs ABC
S3-005	309 - Library Door to 306	5lbs ABC
S3-006	309 - Library Wall	5lbs ABC
S3-007	331 - Classroom	5lbs ABC

S3-008	341 - Hallway	5lbs ABC
S3-009	350 - East Wall	5lbs ABC
S3-010	350A - Metal Fires ONLY	30lbs D
S3-011	350B - North Wall	5lbs ABC
S3-012	350C - East Wall	5lbs ABC
S3-013	350D - South Wall	10lbs
S3-014	350D - East Wall	10lbs

Appendix B
Pathology Chemical List

Appendix C
Chemical List 190A

Substance	Expiry date (dd/mm/yy)	Supplier	Quantity	Room	Order
Acetic acid		BDH Chemicals	3.0 L	190a	
Ammonium hydroxide		Fisher Scientific	500 mL	190a	
Hydrochloric acid		Fisher Scientific	6.0 L	190a	
Hydrochloric acid reagent		DuPont	2.0 L	190a	
Magnesium carbonate		EM - Merck	200 g	190a	
Nitric acid, Omni Trace		BDH Chemicals	500 mL	190a	
Nitric acid, trace metal grade		Fisher Scientific	4.5 L	190a	
Nitric acid, trace metal grade		Fisher Scientific	1.0 L	190a	
Phosphoric acid		BDH Chemicals	750 mL	190a	
Phosphoric acid		EM - Merck	250 mL	190a	
Propan-2-ol		BDH Chemicals	2.0 L	190a	
Sulphuric acid		Fisher Scientific	6.0 L	190a	

Appendix D
Chemical List 192B

Substance	Expiry date (d/m/yyyy)	Supplier	Quantity	Room
Acetysalic acid		Baker Chemical	300 g	192B
Adipic acid, 99%		Sigma-Aldrich (Du Pont)	700 g	192B
Aluminium sulphate		BDH Chemicals	250 g	192B
Aluminium, purified		Baker Chemical	250 g	192B
Ammonium acetate		BDH Chemicals	650 g	192B
Ammonium citrate		Fisher Scientific	425 g	192B
Ammonium ferros sulphate		BDH Chemicals	250 g	192B
Ammonium fluoride		Fisher Scientific	200 g	192B
Ammonium molybdate		Fisher Scientific	275 g	192B
Ammonium nitrate		Baker Chemical	200 g	192B
Ammonium orthophosphate *(tri-)*		BDH Chemicals	250 g	192B
Ammonium Sulphate		Fisher Scientific	350 g	192B
Anthranilic acid			550 g	192B
Antimony potassium tartrate			400 g	192B
Ascorbic acid		EM Science	60 g	192B
Barium acetate		BDH Chemicals	750 g	192B
Barium chloride		Fisher Scientific	200 g	192B
Basic Fuschia		Baker Chemical	13 g	192B
Boric acid		BDH Chemicals	290 g	192B
Bromocresol green		Baker Chemical	10 g	192B
Bromocresol green		Fisher Scientific	5 g	192B
Bromocresol purple		Baker Chemical	6 g	192B
Bromophenol blue		Baker Chemical	5 g	192B
Bromothymol blue		Fisher Scientific	8 g	192B
Calcium carbonate		Fisher Scientific	350 g	192B
Calcium chloride		Fisher Scientific	200 g	192B
Calcium chloride, anhydrous			350 g	192B
Calcium metal		Fisher Scientific	90 g	192B
Calcium oxide		Fisher Scientific	500 g	192B
Calcium phosphate		Baker Chemical	350 g	192B
Calcium sulphate		BDH Chemicals	300 g	192B
Cation exchange resin		Baker Chemical	275 g	192B
Chloramine - T		Fisher Scientific	350 g	192B
Citric acid, monohydrate		Baker Chemical	400 g	192B
Clayton yellow		Baker Chemical	12g	192B
Cobalt Nitrate (II)			50 g	192B
Clove oil		Fisher Scientific	300 mL	192B
Copper metal (turnings)		Fisher Scientific	200 g	192B
Cresol red		Fisher Scientific	5 g	192B
Cresol red		Fisher Scientific	4 g	192B
Cupric chloride		Fisher Scientific	375 g	192B
Cupric nitrate		BDH Chemicals	50g	192B
Cupric sulfate		Fisher Scientific	200g	192B
Dextrose, anhydrous		Baker Chemical	200 g	192B
Dextrose, anhydrous		Fisher Scientific	250 g	192B
Dimethylglyoxime		Baker Chemical	200 g	192B

Diphenylamine		BDH Chemicals	60 g	192B
Disodium ethylenediamine tetraacetate		Fisher Scientific	200 g	192B
Dithizone, crystal		Baker Chemical	85 g	192B
EDTA, tetrasodum salt, dihydrate		Baker Chemical	200 g	192B
EDTA, tetrasodum salt, dihydrate		Baker Chemical	250 g	192B
Eriochrome Black T		Fisher Scientific	15 g	192B
Eriochrome Black T		Baker Chemical	5 g	192B
Eriochrome Black Indicator			30g	192B
Ferric ammonium sulfate		Fisher Scientific	350 g	192B
Ferric chloride		BDH Chemicals	250 g	192B
Ferric nitrate		Fisher Scientific	200 g	192B
Ferrous ammonium sulfate		Baker Chemical	200 g	
Ferrous ammonium sulfate		Baker Chemical	400 g	192B
Fructose, D		Baker Chemical	60g	192B
Gelatin		Baltimore Biological Laboratory	300 g	192B
Gibberellic acid		Baker Chemical	9 g	192B
Glucose, D (+)		British Drug House	350 g	192B
Hydrazine sulfate		Fisher Scientific	450 g	192B
Hydroxylamine hydrochloride		Fisher Scientific	350 g	192B
Hydroxylamine sulfate		Anachemia	250 g	192B
Intracide rhodamine			400 g	192B
Iodine		Baker Chemical	20 g	192B
Iron, metal		BDH Chemicals	40 g	192B
Lanthanum oxide		BDH Chemicals	500 g	192B
Lead acetate		Fisher Scientific	200 g	192B
Lead chromate		Fisher Scientific	150 g	192B
Lead dioxide		Baker Chemical	200 g	192B
Lead nitrate		Baker Chemical	175 g	192B
Lithium carbonate		Baker Chemical	250 g	192B
Lithium, rods		Fisher Scientific	500 g	192B
Magnesium chloride		BDH Chemicals	225 g	192B
Magnesium chloride		Baker Chemical	100 g	192B
Magnesium nitrate		Baker Chemical	400 g	192B
Magnesium oxide		BDH Chemicals	300 g	192B
Magnesium oxide		BDH Chemicals	500 g	192B
Magnesium sulfate, 7-hydrate		Baker Chemical	250 g	192B
Magnesium sulfate, anhydrous		Fisher Scientific	400 g	192B
Magnesium, metal		Sargent-Welch	60 g	192B
Magnesium, purified		Baker Chemical	10 g	192B
Magnesium, ribbon		Fisher Scientific	25 g (x2)	192B
Manganous carbonate		Baker Chemical	350 g	192B
Manganous chloride		BDH Chemicals	225 g	192B
Manganous sulfate, monhydrate		Fisher Scientific	300 g	192B
Mercuric acetate	02/01/1988		200 g	192B
Mercuric chloride		Fisher Scientific	400 g (w can)	192B
Mercurous nitrate, dihydrate		Fisher Scientific	400 g	192B
Methyl organe, sodium salt		Baker Chemical	250 g	192B
Methyl red		Baker Chemical	250 g	192B
Methylthymol blue, sodium salt		Baker Chemical	4 g	192B
Murexide incator		Mallinckrodt	5 g	192B

Nickel (II) 6-hydrate		BDH Chemicals	400 g	192B
Nickel sulphate		BDH Chemicals	400 g	192B
Phenanthroline hydrate, 1, 10-		Fisher Scientific	300 g	192B
Phenolphthalein		Fisher Scientific	300 g	192B
Potassium bisulfate		Baker Chemical	400 g	192B
Potassium carbonate		Baker Chemical	400 g	192B
Potassium chlorate		Baker Chemical	450 g	192B
Potassium chloride		Fisher Scientific	250 g	192B
Potassium chloride		BDH Chemicals	200 g	192B
Potassium chromate		Fisher Scientific	175 g	192B
Potassium chromate		BDH Chemicals	50 g	192B
Potassium cyanide		Fisher Scientific	350 (w can)	192B
Potassium dichromate		Fisher Scientific	450 g	192B
Potassium dichromate		BDH Chemicals	200 g	192B
Potassium dichromate		Mallinckrodt	100 g	192B
Potassium dichromate, standard		Thorn Smith	75 g	192B
Potassium dichromate, standard		Thorn Smith	25 g	192B
Potassium fluoride		Baker Chemical	300 g	192B
Potassium hydroxide		Fisher Scientific	275 g	192B
Potassium hydroxide		BDH Chemicals	250 g	192B
Potassium iodate		Mallinckrodt	350 g	192B
Potassium iodine		BDH Chemicals	400 g	192B
Potassium nitrate		EM Science	450 g	192B
Potassium permanganate		Fisher Scientific	400 g	192B
Potassium permanganate		Science Kit	40 g	192B
Potassium phosphate, monobasic		Fisher Scientific	450 g	192B
Potassium phthalate, acid standard		Thorn Smith	250 g	192B
Potassium phthalate, acid standard		Thorn Smith	450 g	192B
Potassium sodium tartrate		Matheson, Coleman & Bell (MCB)	450 g	192B
Potassium sulfate		Fisher Scientific	3 g	192B
Salicylic acid		Fisher Scientific	250 g	192B
Silver nitrate		BDH Chemicals	25 g	192B
Silver nitrate		Fisher Scientific	50 g	192B
Silver sulfate		Baker Chemical	50 g	192B
Sodium Metal				
Sodium acetate trihydrate		BDH Chemicals	250 g	192B
Sodium bicarbonate		Fisher Scientific	400 g	192B
Sodium bisulfite		BDH Chemicals	250 g	192B
Sodium carbonate		Baker Chemical	150 g	192B
Sodium carbonate, standard		Thorn Smith	25 g	192B
Sodium carbonate, standard		Thorn Smith	25 g	192B
Sodium chloride		Sargent-Welch	250 g	192B
Sodium chloride		BDH Chemicals	1500 g	192B
Sodium chloride, standard		Thorn Smith	25 g	192B
Sodium citrate		Fisher Scientific	200 g	192B
Sodium dichromate		BDH Chemicals	300 g	192B
Sodium diphenylaminesulfonate		Baker Chemical	2.5 g	192B
Sodium diphenylaminesulfonate		Baker Chemical	1g	192B
Sodium fluoride		Fisher Scientific	450 g	192B
Sodium hydrogen carbonate		BDH Chemicals	1500 g	192B

Sodium hydroxide		Fisher Scientific	250 g	192B
Sodium iodide		Mallinckrodt	250 g	192B
Sodium metabisulfite		Fisher Scientific	450 g	192B
Sodium meta-phosphate		Fisher Scientific	400 g	192B
Sodium nitrate		Fisher Scientific	250 g	192B
Sodium nitrite		BDH Chemicals	200 g	192B
Sodium phosphate tribasic		Fisher Scientific	200 g	192B
Sodium potassium tartrate		Fisher Scientific	250 g	192B
Sodium sulfate		Fisher Scientific	600 g	192B
Sodium sulfate decahydrate		EM Science	75 g	192B
Sodium sulfate decahydrate		EM Science	30 g	192B
Sodium sulfite, anhydrous		BDH Chemicals	250 g	192B
Sodium thiosulfate		Fisher Scientific	250 g	192B
Stannous chloride		Fisher Scientific	450 g	192B
Stannous chloride		Fisher Scientific	250 g	192B
Starch, soluble		Fisher Scientific	400 g	192B
Strontinum nitrate		Fisher Scientific	250 g	192B
Strontium chloride		Fisher Scientific	400 g	192B
Sucrose		Baker Chemical	800 g	192B
Sulfanilamide		Fisher Scientific	60 g	192B
Sulfur, sublimed		Fisher Scientific	2 g	192B
Tannic acid		Baker Chemical	300 g	192B
Tetrazolium blue (chloride)		Baker Chemical	0.5 g	192B
Thioacetamide		BDH Chemicals	40 g	192B
Tin, metal		Fisher Scientific	500 g	192B
Zinc nitrate		BDH Chemicals	250 g	192B
Zinc sulfate		Fisher Scientific	435 g	192B
Zinc, granular		Baker Chemical	350 g	192B
Zinc, metal		Fisher Scientific	150 g	192B
Urea		Baker Chemical	500 g	192B

Substance	**Expiry date (dd/mm/yy)**	**Supplier**	**Quantity**	**Room**
Bromo thymol blue		BDH Chemical	100 mL	192B
Bromocresol green, solution		Fisher Scientific	300 mL	192B
Bromthymol blue		Lamotte Chemical	200 mL	192B
Chlorophenol red, solution		Fisher Scientific	450 mL	192B
Chlorophenol red, solution		Lamotte Chemical	400 mL	192B
Chlorphenol red		Lamotte Chemical	350 mL	192B
Conductivity calibration	06/01/2006	Hanna	100 mL	192B
Cresol red		Lamotte Chemical	450 mL	192B
Cresol red		Lamotte Chemical	500 mL	192B
Dihydrogen oxide (water)		Fisher Scientific	4000 mL	192B
Fast red ITR salt		Aldrich	75 g	192B
Fast red ITR salt		Aldrich	50 g	192B
Fluorescein		Matheson, Colleman & Bell (MCB)	200 g	192B
Methly red		Lamotte Chemical	50 mL	192B
Methly violet, indicator		Banco	500 mL	192B
Methyl purple, indicator solution		Fisher Scientific	400 mL	192B

Methyl purple, indicator solution		Fisher Scientific	450 mL	192B
Methyl violet, indicator		Banco	25 mL	192B
mineral oil, heavy		Cerified	350 mL	192B
pH 10, buffer solution		VWR	500 mL	192B
pH 4, buffer solution		Fisher Scientific	4000 mL	192B
pH 7, buffer solution		Fisher Scientific	4000 mL	192B
Phenol red, solution		Fisher Scientific	250 mL	192B
Thymol blue		Fisher Scientific	350 mL	192B
Thymol blue		Fisher Scientific	250 mL	192B
Wide range indicator		Lamotte Chemical	250 mL	192B

Substance	Expiry date (dd/mm/yy)	Supplier	Quantity	Room
1,6-Diaminohexane		Fluka	400 g	192B
2-Propanol		Fisher Scientific	4 L	192B
Acetone, ET		BDH Chemicals	2 L	192B
Acetone, optima		Fisher Scientific	2 L	192B
Acetone, used		Fisher Scientific	2.5 L	192B
Acetonitrile		Baker Chemicals	4 L	192B
Anhydrous ethyl alcohol, F&W		Commercial Alcohols	4 L	192B
Anhydrous ethyl alcohol, F&W		Commercial Alcohols	4 L	192B
Benzene		Fisher Scientific	4 L	192B
Benzene		Caledon Laboratories	200 mL	192B
Borealene			2 L	192B
Chloroform		BDH Chemicals	1.5 L	192B
Chloroform		Fisher Scientific	500 mL	192B
Detergent		Fisher Scientific	4 L	192B
Detergent		Fisher Scientific	4 L	192B
Ethyl acetate		Science Kit	400 mL	192B
Ethyl acetate		PGP	4 L	192B
Ethyl alcohol		Commercial Alcohols	25 L	192B
Ethyl alcohol		Fisher Scientific	25 L	192B
Ethyl alcohol, anhydrous		Commercial Alcohols	4 L	192B
Ethyl alcohol, denatured		Sargent-Welch	50 mL	192B
Ethyl alcohol, denatured		Science Kit	400 mL	192B
Ethylbenzene		BDH Chemicals	500 mL	192B
Formaldehyde		Baker Chemicals	3.5 L	192B
Heptane		Eastman	250 mL	192B
Hexane		Caledon Laboratories	1 L	192B
Hexane, calibration gas		PGP		192B
Hexanes		EM Science	2 L	192B
Hexanes		Fisher Scientific	4 L	192B
Hexanes		Fisher Scientific	4 L	192B
Hexanes		EM Science	4 L	192B
Hydrogen peroxide		BDH Chemicals	100 mL	192B
Isopropyl alcohol		Fisher Scientific	20 L	192B
Isopropyl alcohol		Commercial Alcohols	5 L	192B
Isopropyl alcohol		Commercial Alcohols	25 L	192B
Isopropyl alcohol, denatured		Fisher Scientific	20 L	192B
Isopropyl alcohol, denatured		Commercial Alcohols	25 L	192B

Kerosene		Fisher Scientific	500 mL	192B
Kerosene		Fisher Scientific	4 L	192B
Kerosene		Fisher Scientific	4 L	192B
Methyl alcohol		Baker Chemicals	3 L	192B
Methyl alcohol		Fisher Scientific	4 L	192B
Methyl alcohol		Fisher Scientific	20 L	192B
Methyl alcohol, optima		Fisher Scientific	500 mL	192B
Methyl alcohol, pesticide grade		Fisher Scientific	2 L	192B
Methyl alcohol, purge and trap grade		Fisher Scientific	250 mL	192B
Methyl ethyl ketone		Baker Chemicals	20 mL	192B
Methyl iso-butyl		Fisher Scientific	4 L	192B
Methylene chloride		Fisher Scientific	2.5 L	192B
Methylene chloride		Fisher Scientific	150 mL	192B
Octane		Caledon Laboratories	1 L	192B
Pentane		Caledon Laboratories	1 L	192B
Polypropylene glycol, 1025		BDH Chemicals	0.25 L	192B
Polypropylene glycol, 2025		BDH Chemicals	0.5 L	192B
Polypropylene glycol, 2025		BDH Chemicals	0.5 L	192B
Polypropylene glycol, 2025		BDH Chemicals	0.5 L	192B
Polypropylene glycol, 400		BDH Chemicals	4 L	192B
Toluene		Fisher Scientific	4 L	192B
Toluene		Fisher Scientific	4 L	192B

Appendix E
Chemical Lab 195

Substance	Expiry date (dd/mm/yy)	Supplier	Quantity	Room
Acid reagent		Orion Research	500 mL	192
Ammonia electrode filling solution, 95-12-02		Orion Research	30 mL	192
Ammonia electrode filling solution, 95-12-02		Orion Research	40 mL	192
Ammonia electrode filling solution, 95-12-02		Orion Research	60 mL	192
Ammonia electrode filling solution, 95-12-02		Orion Research	60 mL	192
Ammonia pH adjusting solution		Orion Research	60 mL	192
BRIJ 35 solution		Sigma Diagnostic	1 L	192
Cadmium		Pulse Instrumentation	50 g	192
Calcium standard		BDH Chemical	50 mL	192
CLP ICP Calibration verification standard	30/09/2016	Ultra Scientific	50 mL	192
CLP ICP Calibration verification standard	30/03/2017	Ultra Scientific	100 mL	192
CLP ICP Calibration verification standard	30/08/2016	Ultra Scientific	100 mL	192
Conductivity standard	22/02/2016	Fisher Scientific	500 mL	192
Five anion standard	31/01/2015	Dionex	100 mL	192
Iodate/Iodide standard	31/03/2015	Hach	500 mL	192
Multi-standard	30/06/2016	AccuSpec	500 mL	192
Multi-standard	30/06/2016	AccuSpec	100 mL	192
Multi-standard	30/06/2016	AccuSpec	100 mL	192
Nitrite	31/01/2016	AccuSpec	500 mL	192
pH combination electrode filling solution		Orion Research	30 mL	192
Potassium chloride solution	31/01/2015	Fisher Scientific	500 mL	192
Potassium chloride solution, 4 M with AgCl			60 mL	192
Reference electrode filling solution		Fisher Scientific	250 mL	192
Reference electrode filling solution, 81-00-07		Orion Research	60 mL	192
Residual chlorine standard		Fisher Scientific	200 g	192
Semi-fluid lubricant		Pulse Instrumentation	50 g	192
Silver chloride filling solution		VWR	60 mL	192
Silver chloride filling solution		VWR	60 mL	192
Sodium standard		Fisher Scientific	25 mL	192
Traceable conductivity calibration standard	05/07/15	Fisher Scientific	500 mL	192
Ultrawet 60L solution		Sigma Diagnostic	100 mL	192
Varian tuning solution		Solutions Plus	100 mL	192
Vista test solution	01/29/15	Varian	100 mL	192

Substance	Supplier	Quantity	Room
Aluminium standard	Harleco	500 mL	192
Aluminum reference	Fisher Scientific	500 mL	192
Aluminum reference	VWR Scientific	500 mL	192
Antimony refernce	VWR Scientific	500 mL	192
Antimony standard	BDH Chemical	500 mL	192
Arsenic reference	VWR Scientific	400 mL	192
Arsenic standard	SCP Scientific	500 mL	192
Cadmium standard	BDH Chemical	500 mL	192
Cadmium standard	Fisher Scientific	150 mL	192
Cadmium standard	Fisher Scientific	500 mL	192
Calcium refernce	Fisher Scientific	450 mL	192
Chromium standard	Harleco	750 mL	192
Chromium standard	Harleco	350 mL	192
Chromium standard	Conostan	50 mL	192
Cobalt standard	VWR Scientific	450 mL	192
Cobalt standard	Harleco	500 mL	192
Copper standard	BDH Chemical	450 mL	192
Copper standard	Fisher Scientific	350 mL	192
Copper standard	Conostan	25 mL	192
Gold standard	Baker Chemcial	200 mL	192
Iron standard	BDH Chemical	400 mL	192
Iron standard	VWR Scientific	400 mL	192
Iron standard	Fisher Scientific	400 mL	192
Iron standard	Conostan	50 mL	192
Lanthanum nitrate	BDH	25 g	192
Lead reference	Fisher Scientific	400 mL	192
Lead standard	BDH Chemical	450 mL	192
Lead standard	BDH Chemical	400 mL	192
Lead standard	Conostan	25 mL	192
Magnesium standard	Fisher Scientific	150 mL	192
Magnesium standard	Fisher Scientific	500 mL	192
Magnesium standard	Fisher Scientific	100 mL	192

Manganese standard	VWR Scientific	500 mL	192
Mercury standard	VWR Scientific	350 mL	192
Mercury standard	BDH Chemical	200 mL	192
Nickel standard	VWR Scientific	250 mL	192
Palladium standard	BDH Chemical	50 mL	192
Platnium standard	VWR Scientific	30 mL	192
Potassium reference	Fisher Scientific	100 mL	192
Potassium standard	VWR Scientific	100 mL	192
Potassium standard	Fisher Scientific	500 mL	192
Selenium standard	BDH Chemical	500 mL	192
Silver standard	BDH Chemical	500 mL	192
Sodium reference	Fisher Scientific	300 mL	192
Sodium reference	Fisher Scientific	100 mL	192
Sodium standard	VWR Scientific	1 L	192
Zinc standard	VWR Scientific	500 mL	192

Gas type	Location
acetylene	rm 195
Air	rm 195
Nitrogen	rm 195
Helium	rm 195
Argon	rm 195
Nitrous Oxide	rm 195

Appendix F
CAWT List 350

Chemical_Name	Chemical Concentration	CAS	Container Size	Container Number	Chemical Physical State	Storage Temperature	Location
Acetone		67-64-1	4L	1	Liquid	Ambient	Analytical lab, flammable cabinet
Acetonitrile	>=99.9%	75-05-8	4L	11	Liquid	Ambient	Analytical lab, flammable cabinet
Al Standard, 1000ppm in HNO3	1000 mg/L		120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
Alcohol Denatured (85.45% Ethanol;13.7% Methanol;0.85% Ethyl Acetate				1	Liquid	Ambient	Analytical lab, flammable cabinet
Almuninum Potassium Sulfate Dodecahyrate		7784-24-9	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Ammonia Cyanurate Reagent		23954-66	pk/50	15	Solid	Ambient	Analytical lab, chemical cabinet
Ammonia Salicylate Reagent		23952-66	pk/50	15	Solid	Ambient	Analytical lab, chemical cabinet
Ammonium Chloride		12125-02-9	500g	2	Solid	Ambient	Analytical lab, chemical cabinet
Ammonium Formate		540-69-2	25g+50g	2	Solid	Ambient	Analytical lab, chemical cabinet
Ammonium Hydroxide	29.47%	1336-21-6/7732-18-5/7664-41-7	500ml	2	Liquid	Ambient	Analytical lab, chemical cabinet
Ammonium meta-vandate		7803-55-6	500g	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Ammonium Molybdate Tetrehydrate		12054-85-2	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Ammonium Nitrate		6484-52-2	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Ammonium oxalate monohydrate		6009-70-7	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
ANIONS IN SOIL			30g	1	Solid	Ambient	Analytical lab, chemical cabinet
Antimony Potassium Tartrate Trihydrate		28300-74-5	250g	2	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Ba Standard, 1000ppm in HNO3	1000 mg/L		120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
BioRemove 4290			500g	2		Ambient	Analytical lab, chemical cabinet

Bisphenol-A-d16	99.1% - d16	96210-87-6	0.5g	1	Solid	Below Ambient	Analytical lab, freezer
Boilbreezers			250g	1	Solid	Ambient	Analytical lab, chemical cabinet
Boric Acid		10043-35-3	500g+2KG	2	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Bromide IC Standard, 1,000ppm	1000 mg/L		120 mL	1	Liquid	Below Ambient	Analytical lab, reagent fridge
Caffeine		58-08-2	100g	1	Solid	Below Ambient	Analytical lab, freezer
Caffeine in Methanol	1000 ug/mL		ea.	1	Liquid	Below Ambient	Analytical lab, freezer
Caffeine-d3 (1-methyl-d3)	99.7%-d3	26351-03-1	0.25g	1	Solid	Below Ambient	Analytical lab, freezer
Calcium Carbonate			500g			Ambient	Analytical lab, chemical cabinet
Calcium Chloride Dihydrate		10035-04-8	500g	2	Solid	Ambient	Analytical lab, chemical cabinet
Calcium Hypochlorite		7778-54-3	250g	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Calcium Nitrate tetrahydrate			500g	1		Ambient	Analytical lab, hazardous chemical cabinet
Calcium Oxide		1305-78-8	2KG	1		Ambient	Analytical lab, chemical cabinet
Carbamazepine-d10 (ring-d10)	99.5% - d10	132183-78-9	0.01g	1	Solid	Below Ambient	Analytical lab, freezer
Chemical Oxygen Demand Standard Solution	1000mg/L	2253929	250ml	1	Liquid	Ambient	Analytical lab, chemical cabinet
Chlorine Standard Solution, 25-30 mg/L as Cl_2, pk/20 - 2 mL PourRite Ampules (NIST)	25-30 mg/L			1	Liquid	Below Ambient	Analytical lab, reagent fridge
Chromosorb W 30-60 mesh Acid Washed 33837530 25gm				1	Solid	Ambient	Analytical lab, chemical cabinet
Clofibric acid		882-09-7	100mg	1	Solid	Below Ambient	Analytical lab, freezer
Clofibric-d4 Acid (4-chlorophenyl-d4)	98%-d4	1184991-14-7	0.01g	1	Solid	Below Ambient	Analytical lab, freezer
Cobalt (II) Nitrate Hexahydrate	98%+	10026-22-9	100g	1		Ambient	Analytical lab, hazardous chemical cabinet
CoCl2· 6H2O		7791-13-1	100g	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
COD Standard, 1,000ppm	1000 mg/L		120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
Copper (II) Chloride dihydrate	99%+	10125-13-0	100g	1	Solid	Ambient	Analytical lab, chemical cabinet

Copper (II) Sulfate Pentahydrate/Cupric Sulfate Pentahydrate		7758-99-8	500g	4	Solid	Ambient	Analytical lab, chemical cabinet
Copper Metal		7440-50-8	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
CORROSIVITY - SOIL			100g	1	Solid	Ambient	Analytical lab, chemical cabinet
Cu Standard, 1000ppm in HNO3	1000 mg/L		120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
CuCl2· 2H2O		10125-13-0		1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
D-(+)-Glucose		50-99-7	250g	2	Solid	Ambient	Analytical lab, chemical cabinet
Di(propylene glycol)methylether, 99%, pure, mixture of isomers		34590-94-8	1L	1	Liquid	Ambient	Analytical lab, chemical cabinet
Diclofenac sodium salt		15307-79-6	1g	1	Solid	Ambient	Analytical lab, chemical cabinet
Diclofenac-d4 (phenyl-d4-acetic)	98.1% - d4	153466-65-0	0.01g	1	Solid	Ambient	Analytical lab, freezer
Diethylstilbestrol	>=99% (HPLC)	56-53-1	1g	1	Solid	Below Ambient	Analytical lab, freezer
Dipotassium hydrogen Phosphate		7758-11-4	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Dodecyl Sulfate, sodium salt	0.99	151-21-3	500g	1		Ambient	Analytical lab, hazardous chemical cabinet
DPD Free Chlorine Reagent for 10ml sample		2105569	pk/100	4	Solid	Ambient	Analytical lab, chemical cabinet
DPD Total Chlorine Reagent for 10ml sample		2105669	pk/100	3	Solid	Ambient	Analytical lab, chemical cabinet
Drierite with Indicator 10-20 mesh			500g	1		Ambient	Analytical lab, chemical cabinet
ecoli CRM				1		Below Ambient	CAWT micro freezer
Electrode Cleaning Solution		2965249	500ml	1	Liquid	Ambient	Analytical lab, chemical cabinet
Escherichia coli WDCM 00012 Vitroid™	1000 mg/L		120 mL	1		Below Ambient	CAWT micro freezer
Ethylene glycol	99%+	107-21-1	1L	1	Liquid	Ambient	Analytical lab, hazardous chemical cabinet
Ethylenediamine Dihydrochloride Reagent		1465-25-4	25g	1	Solid	Ambient	Analytical lab, flammable cabinet
Ethylenediaminetetraacetic Acid Disodium Salt Dihydrate (EDTA)		6381-92-6	100g+500g	2	Solid	Ambient	Analytical lab, chemical cabinet
Fe Standard, 1000ppm in HNO3	1000 mg/L		120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet

Ferric Chloride Solution	40% w/v	7705-08-0;7732-18-5	1L	1	Liquid	Ambient	Analytical lab, chemical cabinet
Ferrous Ammonium Sulfate		1125614	113g	1	Solid	Ambient	Analytical lab, chemical cabinet
Ferrous Iron Reagent for 25ml sample		1037-69	pk/100	1	Solid	Ambient	Analytical lab, chemical cabinet
Ferrous Sulfate Heptahydrate		7782-63-0	500g*2+2 KG	3	Solid	Ambient	Analytical lab, hazardous chemical cabinet
FerroVer Iron Reagent for 10ml sample		2105769	pk/100	1	Solid	Ambient	Analytical lab, chemical cabinet
Formic Acid		64-18-6	ea.	6	Liquid	Ambient	Analytical lab, chemical cabinet
Gemfibrozil-d6 (2,2-dimethyl-d6)	99.7% - d6	1184986-45-5	0.01g	1	Solid	Below Ambient	Analytical lab, freezer
GGA		7732-18-5	24 x 6mL	1	Solid	Ambient	Microl lab, chemical cabinet
Glass wool		65997-17-3	250g	1	Solid	Ambient	Analytical lab, chemical cabinet
Glassbeads			100Pack	1	Solid	Ambient	Analytical lab, chemical cabinet
Glycine		56-40-6	500g	3	Solid	Ambient	Analytical lab, chemical cabinet
HACH TP reagent				1	Liquid	Ambient	Analytical lab, chemical cabinet
Hexamethylenetetramine		100-97-0	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Hydrazine Sulfate		10034-93-2	500g	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Hydrochloric Acid			2L	1		Ambient	Analytical lab, acid/base cabinet
Hydrogen Peroxide	0.03	7722-84-1;7732-18-5	500mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
Iron (III) Chloride (98% pure)		7705-08-0	1KG	3	Solid	Ambient	Analytical lab, chemical cabinet
Iron Sulfate Heptahydrate		142906-29-4	500g	3	Solid	Ambient	Analytical lab, chemical cabinet
ISO12103-1 A2 Fine Test Dust 3.5kg			3.5 kg	1	Solid	Ambient	Analytical lab, chemical cabinet
K Standard, 1000ppm in HNO3	1000 mg/L		120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
Kaolin (Aluminum silicate hydroxide)		1332-58-7	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Ketoprofen		22071-15-4	100mg	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Lactic acid 1L		50-21-5	1L	1	Liquid	Ambient	Analytical lab, acid/base cabinet

L-Ascorbic Acid		50-81-7	100g	1	Solid	Ambient	Analytical lab, chemical cabinet
L-Glutamic acid		56-86-0	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
MacConkey Agar with Crystal violet, Sodium chloride and 0.15% Bile salts			500g	1	Solid	Ambient	Analytical lab, chemical cabinet
MacConkey Broth			500g	1	Liquid	Ambient	Analytical lab, chemical cabinet
Magnesium Chloride Hexahydrate		7791-18-6	100g+500g	2	Solid	Ambient	Analytical lab, chemical cabinet
Manganese Chloride Tetrahydrate			100g	1		Ambient	Analytical lab, chemical cabinet
METALS IN SOIL			30g	1	Solid	Ambient	Analytical lab, chemical cabinet
Methanol	min. 99.98%	67-56-1	4L*4+1L*6	10	Liquid	Ambient	Analytical lab, flammable cabinet
Mg Standard, 1000ppm in HNO3	1000 mg/L		120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
MI Broth, pk/50				1	Solid	Ambient	Analytical lab, chemical cabinet
Mn Standard, 1000ppm in HNO3	1000 mg/L		120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
N-(4-Hydroxyphenyl-2,3,5,6-d4) acetamide	99.2%-d4	64315-36-2	0.1g	1	Solid	Ambient	Analytical lab, chemical cabinet
Na2MoO4· 2H2O		10102-40-6	100g	1	Solid	Ambient	Analytical lab, chemical cabinet
Na2SeO4		13410-01-0	25	1	Solid	Ambient	Analytical lab, chemical cabinet
Ni Standard, 1000ppm in HNO3	1000 mg/L		120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
Nickel(II) chloride hexahydrate		7791-20-0	250g	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Nicotinic Acid		59-67-6	100g	1	Solid	Ambient	Analytical lab, chemical cabinet
Nitrate as Nitrogen IC Std, 1,000ppm	1000 mg/L		120 mL	1	Liquid	Below Ambient	Analytical lab, reagent fridge
Nitrate Nitrogen Standard Solution	100 mg/L as (NO3-N)	1947-49	500ml	1	Liquid	Ambient	Analytical lab, chemical cabinet
Nitrite as Nitrogen IC Std, 1,000ppm	1000 mg/L		120 mL	1	Liquid	Below Ambient	Analytical lab, reagent fridge
Nitrogen std, 1000 ppm, 120 mL	1000 mg/L	7732-18-5	120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
Nitrogen, Ammonia Standard Solution	1.00mg/L as NH3-N	2406549	500ml	2	Liquid	Ambient	Analytical lab, chemical cabinet
Nutrient pillow			6L, 50 pks	1	Solid	Ambient	Microl lab, chemical cabinet
NUTRIENTS IN SOIL			100g	1	Solid	Ambient	Analytical lab, chemical cabinet

o-Phosphoric Acid	85%	7664-38-2	500ml	1	Liquid	Ambient	Analytical lab, acid/base cabinet
Oxalic Acid Dihydrate		6153-56-6	500g	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
P Standard, 1000ppm in H2O	1000 mg/L		120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
Pentoxifylline		6493-05-6	10g	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
pH10.00 buffer		7732-18-5	4L	1	Liquid	Ambient	Microl lab, chemical cabinet
pH4.00 buffer		67-56-1	4L	1	Liquid	Ambient	Microl lab, chemical cabinet
pH7.00 buffer		7778-77-0	4L	1	Liquid	Ambient	Microl lab, chemical cabinet
Phenolphthalein		77-09-8	100g	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Phosphate IC Standard, 1,000ppm	1000 mg/L		120 mL	1	Liquid	Below Ambient	Analytical lab, reagent fridge
Phosphate Standard Solution	50.0 mg/L as PO4	171-49	500ml	2	Liquid	Ambient	Analytical lab, chemical cabinet
PhosVer 3 Phosphate Reagent for 10ml sample		2106046	pk/50	2	Solid	Ambient	Analytical lab, chemical cabinet
polysorbate 80			100g	1	Solid	Ambient	Analytical lab, chemical cabinet
Potassium Bromide		7758-02-3	3KG	1	Solid	Ambient	Analytical lab, chemical cabinet
Potassium Chloride		7447-40-7	2KG+500g	2	Solid	Ambient	Analytical lab, chemical cabinet
Potassium hydrogen phthalate		877-24-7	100g+500g	2	Solid	Ambient	Analytical lab, chemical cabinet
Potassium Persulfate	99%+	7727-21-1	2KG	1		Ambient	Analytical lab, hazardous chemical cabinet
Potassium Persulfate for Phosphonate		2084766	pk/50	20	Solid	Ambient	Analytical lab, chemical cabinet
Potassium Phosphate		7778-77-0	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Potassium Phosphate Dibasic		7758-11-4	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Potassium Phosphate Monobasic			2KG	1		Ambient	Analytical lab, chemical cabinet
Potassium Sulfate		7778-80-5	500g+3KG	2	Solid	Ambient	Analytical lab, chemical cabinet
SELENITE CYSTINE BROTH			500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Bicarbonate		144-55-8	500g*3+250g	4	Solid	Ambient	Analytical lab, chemical cabinet

Sodium bromide		7647-15-6	100g	1	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Carbonate Anhydrous		497-19-8	500g	5	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Chloride		7647-14-5	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Chromate Tetrahydrate	0.99	10034-82-9	100g	1		Ambient	Analytical lab, hazardous chemical cabinet
Sodium dichromate dihydrate	0.99	7789-12-0	100g	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Sodium Fluoride		7681-49-4	500g+100g	2	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Hydroxide		1310-73-2	3KG+1KG	2	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Sodium Hypochlorite Solution	5.65~6%	7681-52-9/7732-18-5	1L	2	Liquid	Ambient	Analytical lab, chemical cabinet
Sodium IC Standard, 1,000ppm	1000 mg/L		120 mL	1	Liquid	Below Ambient	Analytical lab, reagent fridge
Sodium Nitrate		7631-99-4	250g	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Sodium nitrite		7632-00-0	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Nitroferricyanide Dihydrate		13755-38-9	100g	1	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Oxalate (extra pure)		62-76-0	100g	1	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Phosphate Dibasic Anhydrous		7558-79-4	500g*2+1KG*1	3	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Phosphate Dibasic Heptahydrate		7782-85-6	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Potassium Tartrate Tetrahydrate		6381-59-5	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Pyrophosphate decahydrate		13472-36-1	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Salicylate		54-21-7	250g	1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
Sodium Sulfate Anhydrous		7757-82-6	3KG	2	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Sulfate Decahydrate		7727-73-3	100g	1	Solid	Ambient	Analytical lab, chemical cabinet
Sodium Tripolyphosphate		7758-29-4	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
Soybean–Casein Digest Broth,			100 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet

Sulfachloropyridazine		80-32-0	250mg	1	Solid	Ambient	Analytical lab, chemical cabinet
Sulfamethazine-phenyl-13C6 hemihydrate		1196157-77-3	10mg	1	Solid	Below Ambient	Analytical lab, freezer
Sulfamethizole		144-82-1	250mg	1	Solid	Below Ambient	Analytical lab, freezer
Sulfamic Acid Descaler			400g	1	Solid	Ambient	Analytical lab, chemical cabinet
Sulfanilamide		63-74-1	100g	1	Solid	Below Ambient	Analytical lab, freezer
Sulfide Reagent Set				1	Solid	Ambient	Analytical lab, chemical cabinet
Sulfuric Acid			2L	4		Ambient	Analytical lab, acid/base cabinet
Sulfuric Acid N50			4L	2		Ambient	Analytical lab, acid/base cabinet
sulfuric acid solution (10N)				1	Liquid	Ambient	Analytical lab, acid/base cabinet
TANNIC ACID		190275	250g	1	Solid	Ambient	Analytical lab, chemical cabinet
Ultramark 1621, Mass Spec Std		105809-15-2	250mg	3	Solid	Ambient	Analytical lab, chemical cabinet
Urea			500g	1		Ambient	Analytical lab, chemical cabinet
V Standard, 1000ppm in HNO3	1000 mg/L		120 mL	1	Solid	Ambient	Analytical lab, chemical cabinet
Water for HPLC		7732-18-5	4L*4+1L*1	5	Liquid	Ambient	Analytical lab, chemical cabinet
Water for LC/MC		7732-18-5	4L	1	Liquid	Ambient	Analytical lab, chemical cabinet
Yttium	1000 mg/L		120 mL	1	Liquid	Ambient	Analytical lab, chemical cabinet
Zinc Sulfate Heptahydrate		7446-20-0	500g	1	Solid	Ambient	Analytical lab, chemical cabinet
ZnCl2		7646-85-7		1	Solid	Ambient	Analytical lab, hazardous chemical cabinet
β-Estradiol		50-28-2	1VL	1	Liquid	Below Ambient	Analytical lab, freezer

Compressed Gases CAWT Room # 350

Chemical_Name	CAS	Container Size	Container Number	Chemical Physical State	Storage Temperature	Location
Compressed N2	GP-520076A	9"x51" cylinder	2	Gas	Ambient	Analytical and micro labs
Compressed air	GP-520062A	9"x51" cylinder	1	Gas	Ambient	Analytical labs
Oxygen	GP-529005	9"x51" cylinder	1	Gas	Ambient	Analytical labs
Helium	GP 520082A	9"x51" cylinder	2	Gas	Ambient	Analytical labs
Argon	GP 520078A	9"x51" cylinder	3	Gas	Ambient	Analytical labs