

1. CALL TO ORDER

Call to Order – 4:34 pm.

2. TERRITORIAL ACKNOWLEDGMENT

We acknowledge that this meeting is being conducted on the unceded territories of the Coast Salish peoples; which, to the current knowledge of the Society include the Squamish, Musqueam, Stó:lo, and Tsleil-Waututh people.

3. ROLL CALL OF ATTENDANCE

3.1 Committee Composition

Student Union Representatives

udent Union Representatives	
Archeology	
Behavioral Neuroscience	
Biology	Nikki Dumrique
Biomedical Physiology & Kinesiology	Alam Khera
Business	Ashley Chan
Business	Emily Ma
Business	
Chemistry	
Cognitive Science	
Communications	Arjan Mundy
Computing Science	
Criminology	Erwin Kwok
Dance	Baylie Karperien
Earth Science	Johanna Lindh
Economics	Jasmine LeBlanc
Education	
Education	
Engineering Science	Shayne Kelly
English	
Environmental Resource	Grayson Barke
Environmental Science	Ayush Joshi
First Nations Studies	Marisol Cruz
French	
Gender, Sexuality, and Women's Studies	Hannah Jarvis
Geography	Sarah Heim
Health Science	
History	Zachary Boyd
Humanities	
Interactive Arts and Technology	Zachary Chan
International Studies	
Labour Studies	Dylan Webb
Linguistics	
Management System Science	
Mathematics	
Mechatronics System Engineering	
Molecular Biology & Biochemistry	



Council Meeting Minutes Simon Fraser Student Society Wednesday September 28, 2016

Operations Research	
Philosophy	Karan Abramson
Physics	Jesse Velay Vitow
Political Science	
Psychology	
Science Undergraduate Society (SUS)	
Society of Arts and Social Sciences (SASS) (chair)	
Sociology and Anthropology	
Statistics and Actuarial Science	
Sustainable Community Development	
Theaters	
Visual Arts	
World Literature	Alex Harasymiw
Constituency Group Representatives	
First Nations Student Association (FNSA)	
International Student Group (ISG)	
Out on Campus Collective (OOC)	
Residence Hall's Association (RHA)	
Student Athlete Advisory Committee (SAAC)	
Students United for Disability Support (SUDS)	
Women Centre Collective (WCC)	
Society Staff	
SFSS Directors (non-voting)	I
VP Student Services & (Interim President)	
VP External Relations	•
VP Finance	Hangue Kim
VP Student Life	Curtis Pooghkay
VP University Relations	Arr Farah
At-Large Representative	Paul Hans
At-Large Representative	Mudi Bwakura
Faculty Representative (Arts & Social Sciences)	
Faculty Representative (Applied Sciences)	
Faculty Representative (Business)	
Faculty Representative (Communication, Art & Technology)	_
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Faculty Representative (Education)	•
Faculty Representative (Environment)	
Faculty Representative (Health Sciences)	Raajan Garcha
Faculty Representative (Sciences)	Jimmy Dhesa
Society Staff	
Administrative Supervisor	Karen Atara
Campaigns, Research, and Policy Coordinator	Pierre Cassidy
Student Union Organiser	
3.2 Regrets	
Criminology	Erwin Kwok
Interactive Arts and Technology	
3.3 Absent	
Business	Ashley Chan
Economics	
First Nations Studies.	
Gender, Sexuality, and Women's Studies	
Geography	
History	



Council Meeting Minutes Simon Fraser Student Society Wednesday September 28, 2016

Labour Studies	Dylan Webb
Management System Science	
Physics	
•	Ž
Out on Campus Collective (OOC)	Irene Sneddon
Sociology and Anthropology	John Stuart
booloidgy und munopology	Join Stuart
Residence Hall's Association (RHA)	

4. APPOINTMENT OF THE CHAIR

MOTION COUNCIL 2016-09-28:01

Alam/Arjan

Be it resolved to appoint Curtis Pooghkay as the Chair of the September 28th, 2016 Council meeting.

CARRIED

5. RATIFICATION OF REGRETS

Excuses or regrets will be kept track of by the chair of council. Missing two meetings in a row without sending excuses (that are approved) will result in the removal from Council.

MOTION COUNCIL 2016-09-28:02

Alam/Grayson

Be it resolved to ratify regrets from Erwin Kwok and Zachary Chan.

Discussion:

• To add regrets from Zachary Chan.

CARRIED AS AMENDED

6. ADOPTION OF THE AGENDA

MOTION COUNCIL 2016-09-28:03

Alam/Shayne

Be it resolved to adopt the agenda as amended.

CARRIED AS AMENDED

Discussion:

Added the following:

- 12.1 TA's positions in classes sizes
- 13.2 Meet and Greet event
- 14 Committee updates

7. MATTERS ARISING FROM THE MINUTES

MOTION COUNCIL 2016-09-28:04

Karen/Gravson

Be it resolved to approve the minutes from:

• Council 2016-07-27

Discussion:



• To postpone the approval of the minutes to the next council meeting. **NOT CARRIED**

8. Guest Speakers and Presentations

9. COMMITTEE UPDATES FROM COUNCIL REPRESENTATIVES

10.Unfinished Business

11. NEW BUSINESS

11.1 MOTION COUNCIL 2016-09-28:05

Koen/Shayne

Whereas there is currently a lack of ingredient and allergen information within SFU's & SFSS' food services;

Whereas this makes it difficult for students with food allergies to make educated decisions regarding their health & safety;

Whereas this puts students with food allergies at a greater risk of exposure, which would lead to physical harm or death;

Whereas students with food allergies currently cannot access SFSS food services and have limited access to certain events;

Be it resolved that Council recommend to Board that they task Food and Beverage Services Staff with putting together an informed dining guide with explicit information regarding allergens for all of the SFSS Vendors.

Be it further resolved that Council recommend to Board that allergen training be given to SFSS food service staff.

Be it further resolved that Council recommend to Board that the Food Allergy Canada Postsecondary Reference Guide be adopted once released.

Be it further resolved that Council recommend to Board that they lobby SFU to at the very least construct an informed dining guide with explicit allergen information for all vendors under their jurisdiction.

Discussion:

- It was noted that some students feel at risk with the SFSS food and beverage services.
- It was suggested to look at the previous minutes in regards to this matter.



• If this motion gets approved, the recommendation will go to Board. The Board would study the recommendation and make a decision.

CARRIED

12. DISCUSSION ITEMS

12.1 TA's class sizes

- It was noted that graduated students who applied for a TA position get hired over undergraduate students.
- Members were advised to contact the advocacy committee in regards to this matter.
- The archaeology department has not hired an undergraduate student as a TA in a long time.
- Discussion was postponed to the next council meeting.

13. ANNOUNCEMENTS

13.1 Student Safety/Burnaby mountain tank expansion

Highlights of the presentation:

- Kinder Morgan has gotten the approval to build a pipeline close to the SFU Burnaby Campus.
- After the expansion the Burnaby Mountain will hold 5.6 million barrels.
- Potential risk factors were provided to members.
- Worse case scenario is a "Boil-over" event, which can cause catastrophic issues.
- The risk analysis reveals that our community is at a higher risk and the evacuation from the Burnaby Campus would be impossible if a catastrophic event happens in the Burnaby Mountain tank.
- Members were encouraged to take action.
- It was noted to bring this announcement to the AGM. Members will have the opportunity to make amendments to the AGM agenda at the Sept 30th meeting.
- Note: Further details in attached presentation.

13.2 Meet and Greet event

• Council members who would like to assist organizing the meet and greet event for the Student Union groups and the SFSS Student Union Office should contact Larissa.

14. COMMITTEE UPDATES

• Note: Further details in attached document (Committee updates- August 1st/September 15.pdf)

15. ATTACHMENTS

• Flyer-for-Foodservice-Course-June-2015-Rebranded.pdf



Council Meeting Minutes Simon Fraser Student Society Wednesday September 28, 2016

- 2016-08-29 Director Eligibility Report (Council).pdf
- Presentation_Tank Farm_Sept 28-16.pdf
- Committee updates- August 1st/September 15.pdf

16. ADJOURNMENT

MOTION COUNCIL 2016-09-28:06 Albert/Shayne Be it resolved to adjourn the meeting at 6:30 pm.

CARRIED



Allergen Training Basics for the Foodservice and Food Retail Industry

Food Allergy Canada (*formerly Anaphylaxis Canada*) and TrainCan Inc., are pleased to introduce an innovative employee training program, *Allergen Training Basics for Foodservice and Food Retail Industry*.

This program was jointly developed by Food Allergy Canada and TrainCan, which each bring specific expertise in the areas of food allergen management and food safety training.

Food Allergy in Canada- A Growing Concern

Approximately 2.5 million Canadians self-report at least one food allergy, based on recent research.* This poses challenges to you, members of the foodservice and food retail industry, as you receive an increasing number of requests to help accommodate allergic consumers. The *Allergen Training Basics* course will help you manage these demands, by providing your staff, the need-to-have resources to improve allergen awareness, training and consumer safety.

Course Overview:

Targeted towards front line employees, the program is designed as an introductory self-study course. It offers a certificate of completion to all employees who are successful in passing the course examination.

The course is divided into three main sections and covers key information about managing food allergens and helping employees understand their role in keeping allergic consumers safe.

Section One: LEARN

What you need to know about food allergies and intolerances

Section Two: PREVENT

Stopping problems before they happen

Section Three: RESPOND

Understanding your responsibility ("duty of care")

This course will teach your employees key concepts, such as how to:

- understand the different types of food allergies and intolerances
- identify and control food allergens within the work environment
- properly read and identify ingredients in menu choices, on labels and packages
- identify foods that may contain allergens potentially harmful to allergic consumers
- prevent possible cross-contamination
- effectively communicate with staff and allergic consumers

Food allergies are an ongoing concern for many organizations in the foodservice and food retail industry. Let us help you provide your staff with the training and resources they need to keep allergic consumers safe.

For more information or to purchase this course, please contact:

- Marilyn Allen, Foodservice Consultant, Food Allergy Canada at trainingservices@anaphylaxis.ca or 416-431-3115 www.foodallergycanada.ca
- Jim Kostuch, Vice President & CEO, TrainCan Inc., at jkostuch@traincan.com or 416 447-9588 ext: 227 www.traincan.com

^{*} L. Soller et al. Overall Prevalence of Self-reported Food Allergies in Canada. Journal of Allergy and Clinical immunology 2012. doi: 10.1016/j.jaci.2012.06.029



Maggie Benston Centre 2250 Simon Fraser University 8888 University Drive Burnaby, BC V5A 1S6 Unceded Coast Salish Territories

DIRECTOR ELIGIBILITY STATUS REPORT

To: Council

From: Chief Executive Officer Martin Wyant

CC: SFSS Board of Directors

Date: August 29, 2016

To ensure that the members of the SFSS Board of Directors continue to be eligible to hold office as directors (as defined in SFSS Bylaw 5), please find attached the registration status of each director for the current and previous two semesters.

A director's eligibility would cease under either one of the following conditions:

- 1. Not registered for at least two of the three semesters during which the director holds office
- 2. Not registered for the current and preceding semester
- 3. Have outstanding fines with the Society
- 4. Have not paid the SFSS Activity Fee

Position	Name	Eligibility Status
President	Vacant	
VP Finance	Hangue Kim	Y
VP Student Services	Larissa Chen	Y
VP Student Life	Curtis Pooghkay	Y
VP External Relations	Christine Dyson	Y
VP University Relations	Arr Farah	Y
Faculty Representative – Communications, Art, and	Prabjit Bassi	Y
Technology		
Faculty Representative — Applied Sciences	Alan Lee	Y
Faculty Representative — Business	Pritesh Pachchigar	Y
Faculty Representative — Arts and Social Sciences	Blossom Malhan	Y
Faculty Representative — Education	John Ragone	Y
Faculty Representative — Health Sciences	Raajan Garcha	Y
Faculty Representative — Science	Jimpreet Dhesa	Y
Faculty Representative - Environment	Vacant	
At-Large Representative	Mudiwa Newtone Bwakura	Y
At-Large Representative	Prabhpal Hans	Y

ELIGIBILITY ANALYSIS

All persons listed above are eligible to serve as directors.

PRESENTATION MADE TO THE SIMON FRASER STUDENT SOCIETY COUNCIL

PRESENTATION DATE: SEPTEMBER 28, 2016

GRAYSON BARKE SFU STUDENT COUNCIL REPRESENTATIVE

This following is a written version of an oral presentation given by Grayson Barke to the SFSS Council on September 28th, 2016. Minor changes have been made for readability and citations have been added for clarity and reference. The pictures are copies of the slides shown during the presentation and have been placed in the text roughly where they were shown and addressed during the presentation.



Good evening, everyone. My name is Grayson Barke, and I have been asked by the members of the Environmental Resource Student Union, to raise before this Council, the issue of the Burnaby Mountain Tank Farm expansion and its implications for student life on the Burnaby Campus.

On December 19th of this year, the Canadian government will make a final decision on the Trans Mountain Expansion Project. If approval is granted, the Tank Farm on Burnaby Mountain will expand to accommodate three-times the amount of unrefined petroleum products. This expansion will place larger storage tanks and a greater volume of petrochemicals closer to SFU's Burnaby campus, and closer to the Campus' only access roads. The expansion of the Burnaby Mountain Tank Farm will undeniably increase the level of risk it poses to

all users of the Burnaby Campus; in one risk analyst's expert opinion, this project would not be approved either in the UK or anywhere within the EU (Vince, May 2015). The increased level of risk associated the Tank-Farm expansion profoundly changes the enterprise risk profile of the entire SFU community.

SFU is unwilling to accept any increase in risk to the Campus as a result of the Trans Mountain Expansion Project

From SFU's submission to the NEB

The University's administration has made it clear that "SFU is unwilling to accept any increase in risk to the Campus [...] as a result of the Trans Mountain Expansion Project" (SFU Safety & Risk, Aug 2016); however, Mark LeLonde, SFU's Chief Safety & Risk Officer has already acknowledged that, as a result of SFU and City of Burnaby's limited capabilities, an increase in risk is unavoidable if the Tank Farm is expanded as planned (LeLonde, Sept 2016). This raises two serious questions that I believe the SFSS, as the organization tasked with "advocat[ing] for the interest of undergraduate students at Simon Fraser University" (SFSS, Oct 2015) is obliged to answer:

- Will SFU will be able to fulfill its legal and moral responsibilities to provide "a safe environment and workplace for its faculty, students and staff" if the expansion goes ahead as planned (SFU Safety & Risk, Aug 2016)? And,
- 2. How should students respond as individuals, and collectively, if they feel the Burnaby Campus is no longer a safe environment as a result of this expansion?

Before attempting to answer these questions, it might be useful for me to give a brief overview of how changes to the Tank Farm will result in increased risks to the Burnaby Campus.

Here's a typical picture of SFU's Burnaby campus – the kind we use to advertise the natural beauty the school's surroundings – and truly it is beautiful.



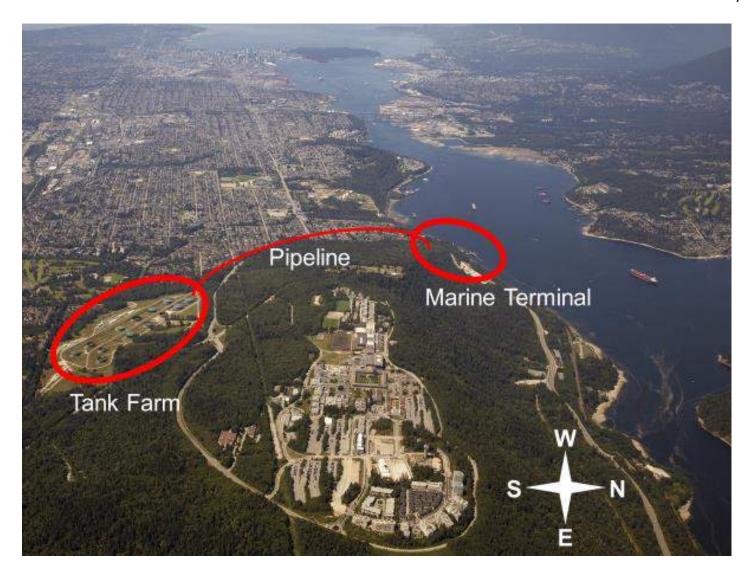
Here's another one:



What both of these photos avoid showing is this:

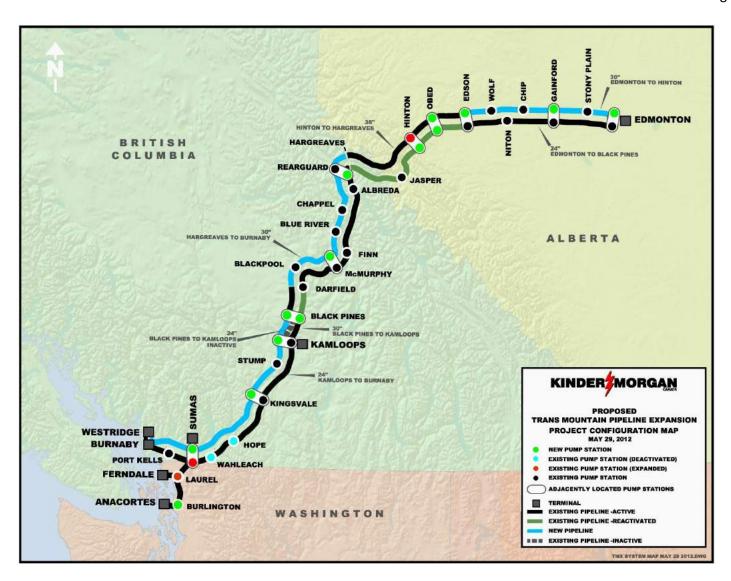


This is the Burnaby Mountain Tank Farm. Located on the south facing slope of the Mountain, just below the intersection of Glaglardi and University Way, this is Burnaby Campus's nearest neighbor and a facility that people pass by every day on their way to and from campus.



In this picture, we can see that Burnaby Campus is effectively in the middle of a petroleum storage and transport facility:

- On the south side of the slope is the Tank Farm;
- On the north side, down on the waterfront, is the Westridge Marine Terminal;
- These two facilities are connected by several high-pressure pipelines;
- Both of these facilities are operated by a company called Trans Mountain, and they have been owned,
 since 2005, by another company called Kinder Morgan.



On May 19th 2016, Kinder Morgan received approval from the National Energy Board to build a new large-diameter pipeline on their existing pipeline's right of way (NEB, May 2016). This new pipeline will triple the amount of product moving from Edmonton to the Burnaby terminal, which necessitates tripling the storage capacity of the Tank-Farm and expanding the marine terminal to accommodate three Tankers at once.

Today, the tank farm looks like this:



Photo Credit: City of Burnaby Fire Department

• There are 13 storage tanks with a total capacity of 1.7 million barrels sitting on a 189-acre site

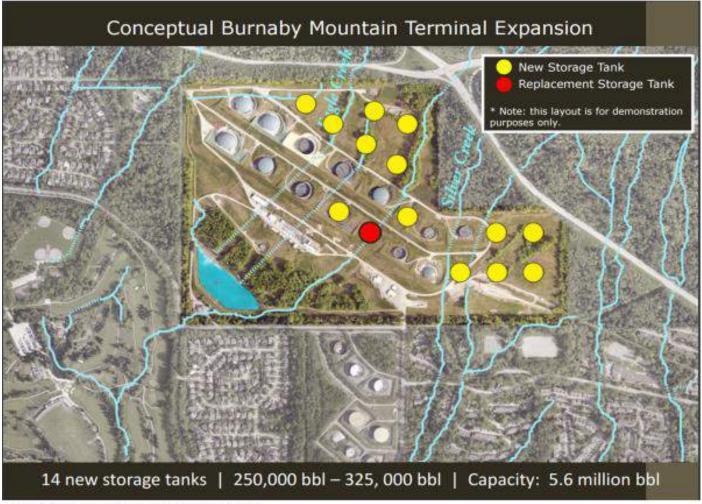


Photo Credit: City of Burnaby Fire Department

- The expansion will add a net 13 new tanks (14 new tanks, plus one replacement), bringing the total to 26 tanks with a 5.6-million-barrel capacity on the same 1.89-acre site
- To give you some idea of how much volume that is:



The Exxon Valdez was carrying 1.3 million barrels and spilled 257 thousand barrels



The total amount released after the Deep Water Horizon platform collapsed is estimated at 4.9 million barrels



After expansion, the Burnaby tank farm will hold 5.6 million barrels;



More than the total amount released by Deepwater Horizon or just over 4 full Exxon Valdeez size ships.

By itself, tripling the amount of product stored at the Tank-Farm significantly increases the risks to SFU; however, two additional aspects of this expansion will also contribute to an elevation of Enterprise Risk:

Expansion = Increased Risks

1) Volume stored

1.7 million barrels → 5.6 million barrels

2) Proximity

tanks closer to each other, to access roads, to campus

3) Nature of stored product

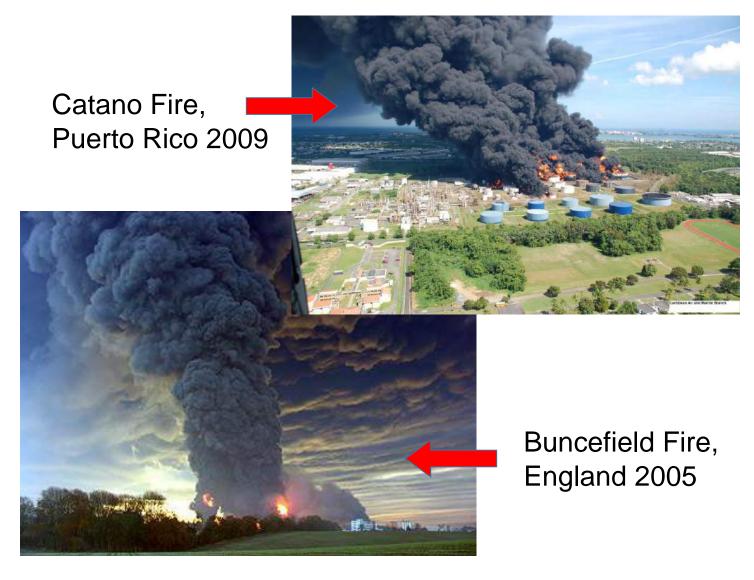
• switch to 'heavier', more volatile, and more toxic products

Expansion = New Worst-Case-Scenario

- Increasing the volume stored without increasing the footprint of the facility means the storage tanks
 will be closer to each other, closer to the campus access roads, and closer to the campus itself;
- There are plans to store 'heavier,' more toxic, more volatile and generally more dangerous, petroleum products at the expanded facility.

Collectively these three changes will also significantly change how a worst-case-scenario may unfold in the event of an 'accidental release' or fire at the expanded facility.

What does a worst-case-scenario accident at a Tank-Farm look like?



There are two well-studied examples of tank-farm accidents that we can examine to get some idea of the catastrophe SFU students, faculty, and staff may face in the event of an accident at the expanded Tank Farm.

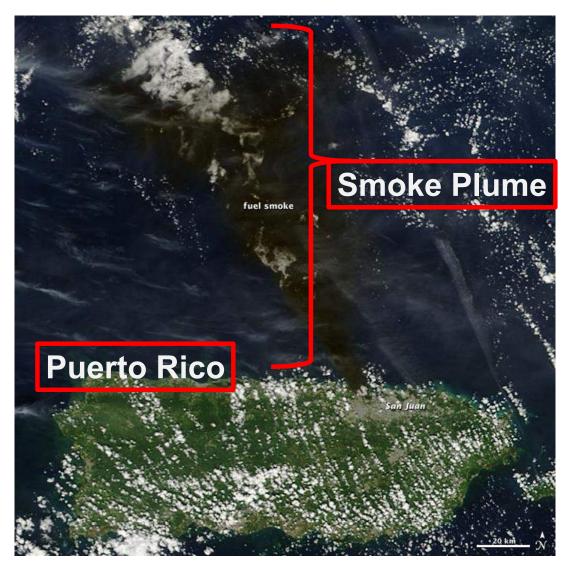
This top picture shows a multi-tank fire at the Catano tank-farm in Puerto Rico in 2009, and the bottom picture is of what's known as the Buncefield Fire which happened at a tank-farm in England in 2005.



Both of these incidents started with a fire in a single storage tank, which then exploded causing the surrounding tanks to ignite and explode themselves. In industry language, this is what's known as a boil-over event leading to a catastrophic multi-tank fire – this is a worst-case-scenario.



In Puerto Rico, the initial explosion registered as a magnitude 2.8 earthquake on the Richter Scale and blew out windows over 2 miles away. Both the Governor of Puerto Rico and President Obama declared a State of Emergency in order to mobilize a full response to this disaster. More than 1500 people were evacuated, and it took two days to extinguish the blaze.



Luckily, the huge plume of toxic smoke was blown northwards away from Puerto Rico and surrounding islands.

When the fire was finally brought under control, the Governor said:



"Nobody is prepared for a fire like this. I'm calling on the 4 million Puerto Ricans to thank God tomorrow because this could have been much worse than it was" – Gov. Luis Fortuno

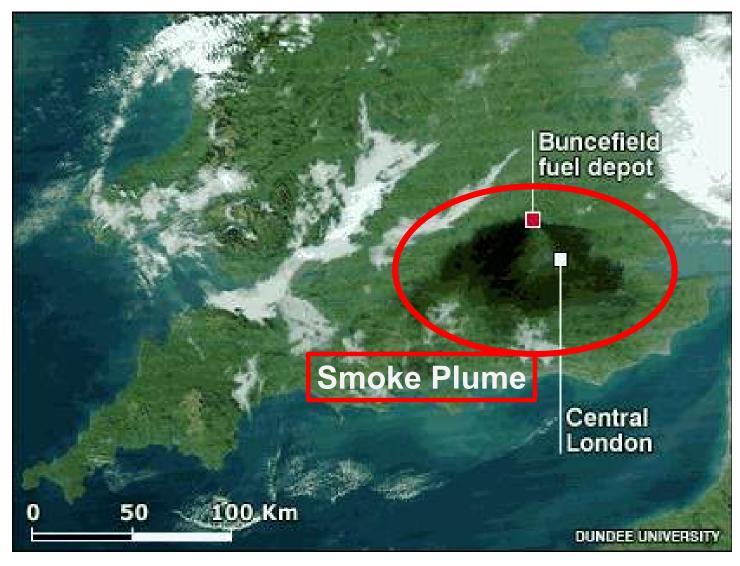
("Wind Shifts", Oct 2009)



The Buncefield fire in England has a similar story: initially, a single tank ignited and exploded with the force of a 2.4 magnitude earthquake, causing other tanks to ignite and explode. The initial and subsequent blasts were heard up to 200 miles away in Belgium, France and the Netherlands.



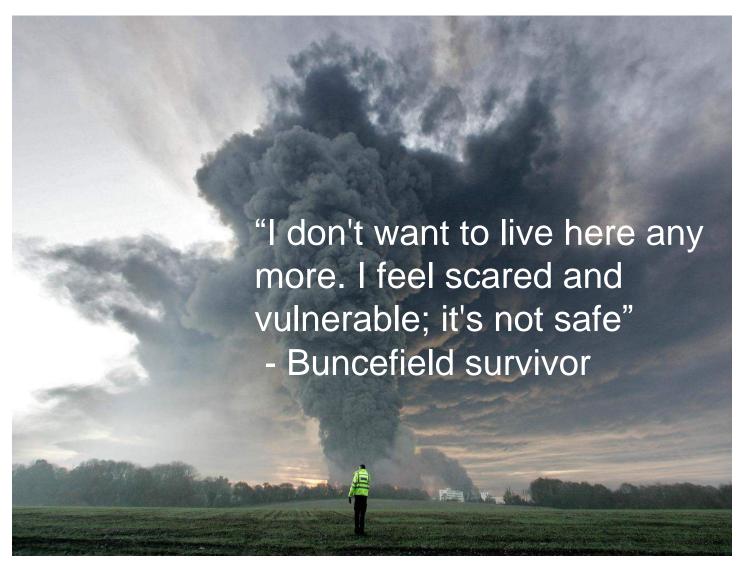
Buildings near the tank-farm had doors and windows blown in, roofs blown off and a warehouse half-a-mile away collapsed. Windows were blown out of an Abbey 5 Miles/8kms away. Over 2000 people were evacuated due to concerns about further explosions, fumes and smoke, and the structural safety of buildings hit by the blasts. Schools, offices, and major roads in a 10-mile radius were closed and people were asked to stay in-doors due to air quality concerns. Responders fought the blaze for 4 days, but ultimately they let the fire burn itself out.



Similar to the Puerto Rico fire, the smoke plume could be seen clearly from space and eventually spread over much of south-east England.



And like Puerto Rico, this accident could have been much worse; the initial blast occurred just after 6:00am, when many of the closest schools and offices were empty and there was no loss of life. Still, 244 people required medical aid, mostly for respiratory issues and cuts and scrapes from flying glass and debris.



This accident also caused lasting psychological trauma to survivors. One survivor said to the BBC, "After the explosion happened I was in a very bad way - I was constantly crying" ("Buncefield Victims", Mar 2006); another explained, "I was lying awake last night thinking, 'I don't want to live here anymore.' I feel scared and vulnerable, it's not safe" (Dear, Dec 2005).

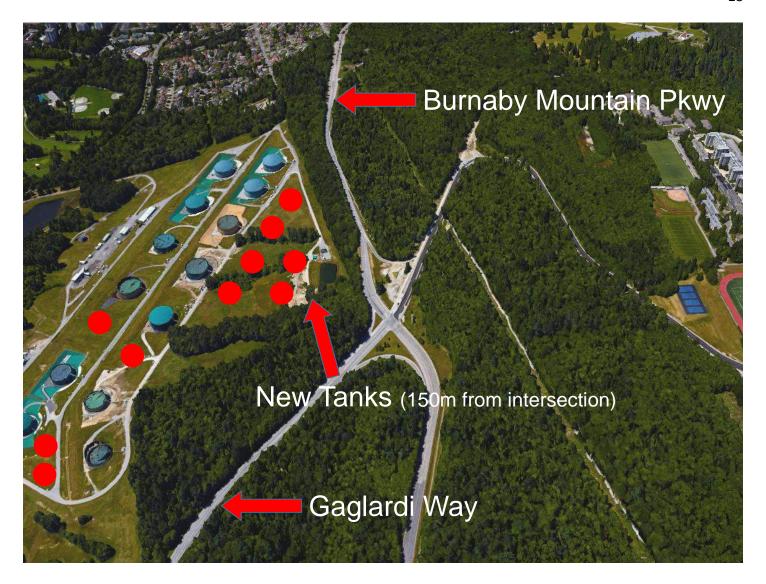


While the Tank-Farm near SFU is similar to those in England and Puerto Rico, there are some important differences that increase the potential for loss of life in a catastrophic accident.



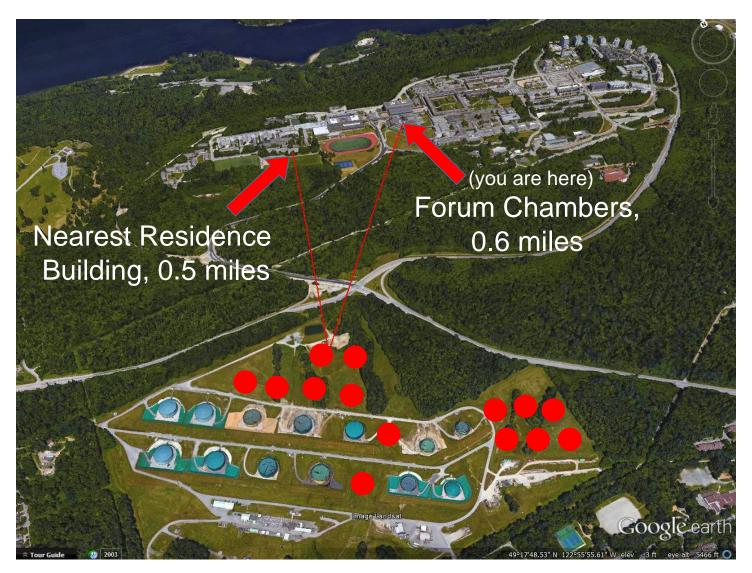
In their submission to the NEB, the Burnaby Fire Department identified three main areas of concern with respect to SFU's Burnaby campus.

The Fire Department feels inadequately prepared to respond in a timely and effective manner to a
major fire at the expanded Tank Farm, because of the changes to the facility's layout and the additional
volumes of product being stored there (Bowcock, May 2015);



- 2. The Fire Department also feels that evacuation of the Burnaby campus may be impossible given that the only campus exit routes pass by the Tank-Farm (Bowcock, May 2015). Here we see the intersection of Burnaby Mountain Parkway and Gaglardi Way, where the expansion plans place tanks within 150m of the only two roads in and out of campus;
- 3. The Fire Department concluded there is a "high probability of fire extension to the forest areas of the Burnaby Mountain Conservation Area," and expressed concern they would be unable to respond if Gaglardi and University Way are impassable (Bowcock, May 2015).

What will a worst-case-scenario look at the expanded Burnaby Mountain Tank Farm, and what unique factors do we need to consider to understand the potential impacts and ensure SFU is prepared for them?



To start, let's do a quick comparison of the distances between the two tank farm disasters I gave as examples, and SFU's situation. In the Buncefield disaster, widows were blown in as far as 5 miles away; buildings were damaged as far as 2 miles away; and a building within half-a-mile collapsed. In Puerto Rico, windows in a 2-mile radius were blown in. Forum chambers, where we're sitting right now, is just 0.6 miles away from where the closest tank will be, and the nearest residence building is 0.5 miles away. So we are squarely in the blast zone where windows will break, and buildings may collapse.

The following scenario is based on information found in the Burnaby Mountain Fire Department's "Evidentiary Paper" (Bowcock, May 2015):

Imagine for a moment it's 11:25am, on a Wednesday morning in the middle of Spring semester. Unbeknownst to the roughly 30,000 students, faculty, and staff, at SFU's Burnaby Campus, there is a situation developing at the nearby tank farm. A critical piece of equipment has failed; vapors have been released and ignited. The fire spreads back to one of the tanks, and within seconds there is a boil-over situation. Personal at the tank farm have no time and no means to respond before the tank explodes, vaporizing several of the surrounding tanks, and igniting many others.

The initial blast will be the first thing that people on Burnaby campus will experience. It will hit with the force of a small earthquake, knocking people off their feet. The blast could be lethal for anyone on the southern side of the campus, especially people on the football-field, in residence, and anyone on the road coming to or from campus.

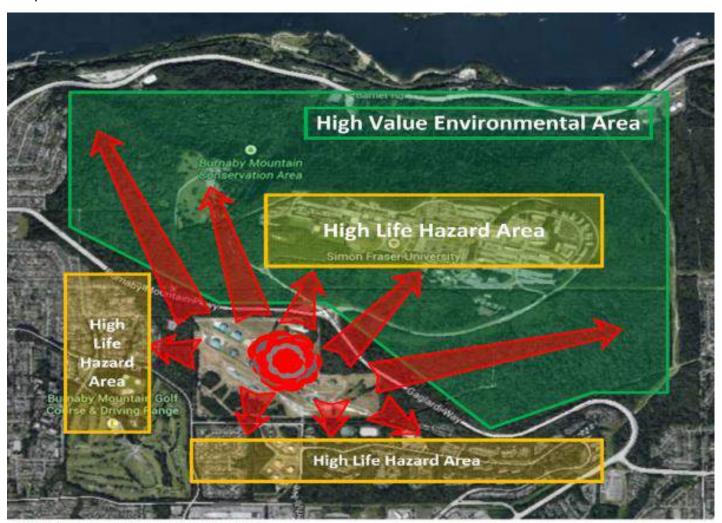


Photo Credit: City of Burnaby Fire Department

Most of the windows at the front of campus will be blown in – including windows in the AQ, MBC, WMC, the Gym, Residence, and The New Student Union Building when its complete – potentially causing injuries to many people:

- The blast will be deafening and disorienting, making it harder for people to respond quickly to alerts and evacuation notices;
- The blast will likely damage the buildings, possibly compromising their structural integrity, making it unsafe to remain inside.

The Subsequent Blasts:

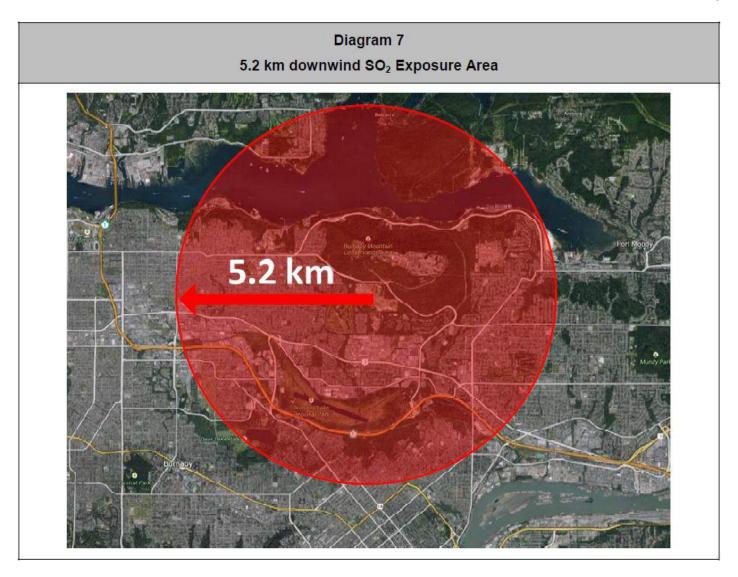
Also loud, disorienting, potentially lethal, and damaging to the buildings;

The Intersection:

• In a blast, the main intersection could be wiped out or covered in flaming oil, making it impossible for responders to assist people on campus, and impossible for Burnaby Campus to evacuate;

The Fire:

- After the explosion, the fire will start sending thick clouds of smoke into the air;
- Depending on the way the wind is blowing, the suffocating smoke may blow directly towards the now shattered, window-less campus;
- The smoke will contain Sulfur-Dioxide which can kill you in high concentrations and cause serious breathing difficulty even in low concentrations;
- People will likely need respirators to breath outside, or inside buildings without windows.



This map from the Burnaby Fire Department shows their estimate of a 5 km radius of exposure to sulfur-dioxide.



Anabatic (inflow) Winds:

- These summer winds are very predictable on a sunny warm day.
- Typical to any fjord or inlet an afternoon wind picks-up and blows from the south up Indian Arm.
- These winds can surprise inexperienced paddlers who travel 1-hour north up Indian Arm and find they have to paddle back into a head wind when they are already tired.

The Burnaby Fire Department acknowledges that the wind direction will play a huge role in a worst-case-scenario. I'm not an expert in local wind conditions, but anyone who's gone kayaking or sailing up Indian Arm in the summer will tell you the wind blows north up the inlet. Deep Cove Kayak has a caution about these strong winds on their website (Deep Cove Kayak, 2016):

• Anabatic (inflow) Winds: These summer winds are very predictable on a sunny warm day. Typical to any fjord or inlet an afternoon wind picks-up and blows from the south up Indian Arm.

In a worst-case-scenario, the wind could be blowing north up Indian Arm, carrying the smoke directly towards campus. Lastly, as I mentioned above, there is also a real danger that a fire at the Tank Farm will start a larger forest-fire on Burnaby Mountain, further reducing the likelihood of a successful emergency response or evacuation.



Due to the high likelihood that a disaster like this will prevent road-access to campus, in-turn preventing first emergency personnel from reaching the scene and making large-scale evacuation impossible, the University's plan is to have people remain on Campus and "shelter in place" (LeLonde, Sept 2016). That means students, faculty, and staff will be directed to the lower levels of the campus that, hopefully, weren't too damaged by the blasts and still have their windows intact. Because the smoke will be noxious, the University will do its best to seal off the air intake systems, but this procedure has not been tested. At the moment, this is the best plan available – to ask people to shelter in buildings that have been damaged by multiple blasts, with the hope of sealing them off, while we wait, possibly several days, for the fire to burn itself out. SFU's Chief Safety and Risk Officer estimates, that if all goes well, we will have enough food on campus for about 48-hours (LeLonde, Sept 2016). Of course, the University will be working closely with the owners of the Tank Farm, and the Burnaby Fire Department to make sure proper plans are in place before the expanded Tank Farm is operational. SFU hopes to have a fully-developed response plan in place by 2018, and they will run full-scale

response simulation exercises involving emergency responders and all campus users on a regular basis. So, in the future, Frosh Week might include mandatory evacuation and shelter-in-place drills.

I hope I have conveyed to you how serious this situation could be. But, the chances of the worst-case-scenario happening must be extraordinarily low, otherwise the government would not approve the tank-farm expansion. Right?

The Tank-Farm Expansion will increase the likelihood of a catastrophic event

From 1 in 1,000,000/year

To 1 in 2000/year

Well, that's the funny thing about the approval process for this project – the company did not consider the probability of the worst-case-scenario I described. The company considered a boil-over, or multiple-tank fire to be impossible, and the government regulator accepted this assertion without any verification (NEB, May 2016). The City of Burnaby commissioned an independent study of the company's proposal; it was performed by Dr. Ivan Vince, one of the world's leading industrial risk analysists, who was involved in the post-disaster analysis of the Buncefield fire. Dr. Vince calculated the Tank Farm expansion will increase the risk of a catastrophic event from 1 in 1million/year to 1 in 2000/year (Vince, May 2015).

Opinion on Potential Off-Site Risks of the Proposed Expansion of Burnaby Tank Farm

prepared for the City of Burnaby
by Dr Ivan Vince CEng FIChemE CSci CChem MRSC FEI
ASK Consultants
Bromley, UK

22 May 2015

"The application for expanding the Burnaby Terminal would, in my opinion, have failed in the UK and, in all probability, throughout the EU."

"A valid risk assessment (addressing both severity and likelihood), with due consideration of boil-over, would in my opinion, lead to the conclusion that the risk is already high and would become intolerably high if the expansion went ahead"

In his expert opinion, "[t]he application for expanding the Burnaby Terminal would have failed in the UK and, in all probability, throughout the EU" and he concluded:

"A valid risk assessment, addressing both severity and likelihood, with due consideration of boil-over, would in my opinion lead to the conclusion that the risk is already high and would become intolerably high if the expansion went ahead, in view of the logistical complexity of fire-fighting on a congested and sloping site, the proximity of residential areas and forestry and the difficulty, in an emergency, of safely evacuating Simon Fraser University." (Vince, May 2015)

Severity × Probability

10,000 Fatalities

128,000 Injured

\$75-200 Billion in damages

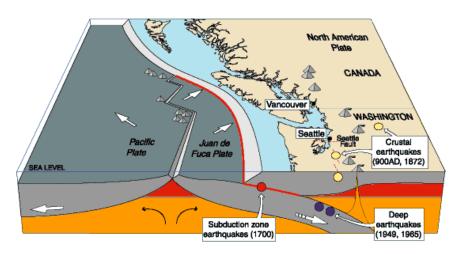
In Metro Vancouver



30% Chance of a Magnitude 8.0-8.6

10% Chance of a Magnitude 8.7-9.2

In the next 50 years



The 1 in 2000 chance of a worst-case-scenario per year are not good odds for SFU; however, when we also consider the likelihood of a major earthquake happening in the region – which was most recently calculated to be a 30% chance of an 8.0 magnitude quake in the next 50 years – the risks become intolerable, at least for me personally (Schulz, July 2015).

I am not going to stand here and tell you how to respond to this threat as individuals, or how we should respond as advocates for undergraduate interests – but I will tell you how I am responding. If the Tank Farm expansion goes ahead, as planned, I will be leaving Simon Fraser University. I also live up here, in the UniverCity community, and I will be moving as far away as possible from this part of North Burnaby. For me, the risks are just too great. I like SFU; I am happy here, and I plan to start my master's degree here next year. I don't want to leave, but I am not comfortable with this level of risk.

While I won't tell you want to do, I do have some suggestions on what I think the SFSS, as a distinct organization within the University, could do:

At the start of this presentation, I said the University "is unwilling to accept any increase in risk to the Campus [...] as a result of the Trans Mountain Expansion Project" (SFU Safety & Risk, Aug 2016). It is clear that an increase in risk is unavoidable if the expansion goes ahead. From speaking with Mark Lalonde, it is my understanding that the University is proceeding under the assumption that the expansion will be approved in December, and the university will do whatever it can with its limited resources to reduce the risks to students, faculty, and staff. While the University will do their best to manage the increase in risk, it seems to me, they will not be taking any further action to prevent the increase in risk to the Campus in the weeks leading up to the government's final decision on this project in December; however, the University's position or inaction does not mean that we, as students, have to accept these risks too. We can take action:

- I believe, our first responsibility to our fellow students is to share information: to provide enough
 information to all students so that they can make informed decisions about the risks they will be
 exposed to. I do not believe the University or the SFSS should be making assumptions or decisions
 about what levels of risk individuals are comfortable with;
- 2. Collectively, we should decide what level of risk the SFSS, as a distinct organization, is willing to accept.

 I suggest adopting, and insisting upon, the University's original standard of no increased risk;
- 3. Collectively, we should decide what our response will be if the University is unable to ensure that there is no increased risk, or, unable to ensure that Burnaby Campus remains a safe environment and workplace for students, faculty, and staff.
- 4. The SFSS should work closely with the University, the owners and operators of the Tank Farm, emergency responders, all levels of government, and any other relevant organizations as independent representatives of student interests to ensure that the individual and collective safety needs of students will be met. In other words, we should not blindly trust that the University will be able to look after us, or that the companies or governments involved consider the safety needs of students to be a priority; we need to look out for ourselves and for each other.

In my opinion, doing anything less than these four things would be negligent and a dereliction of our duty to represent and advocate for undergraduate interests.

Aside from these core responsibilities, there are lots of other things we as students and citizens can do, both individually and collectively. These are just my suggestions; it is my hope that we can all work together to choose and implement the best course of action:

- 1. Do nothing wait for the December decision and trust that the University will continue to provide a safe environment if the tank farm expands;
- 2. Gather more information we need to make sure we are sharing the most up-to-date, and accurate information with students. We could reach out to the various organizations involved in the project and invite them to speak to the student body directly:
 - Mark Lalonde, SFU's Chief Safety and Risk Officer has already agreed to speak to Council should we request it;
 - We could also ask Chris Bowcock, Burnaby's Deputy Fire chief to speak;
 - We can request that representatives from the University's administration answer our questions and concerns;
 - We can ask the company who owns the Tank Farm to speak with us;
 - We can ask politicians from all levels of government to acknowledge the risks this expansion poses to SFU, and insist they support us.
- 3. Follow the lead of other organizations:
 - The GSS are also working under the assumption the expansion will be approved we could discuss a joint response or action plan with them;
 - First Nations at every Council meeting, and indeed, at every major meeting and event at SFU we acknowledge that SFU is on the Unceded Territories of the Coast Salish Peoples. Those peoples, and the Tsleiel-Waututh Nation in particular, are standing up to the Trans Mountain Expansion Project, along with more than 50 other nations from across North America we could choose to stand with them. Perhaps this is a conversation for another day, but I believe all of us at SFU should consider whether the simple territorial acknowledgement is enough, or whether more support is required from those who live and work and study on unceded territory.

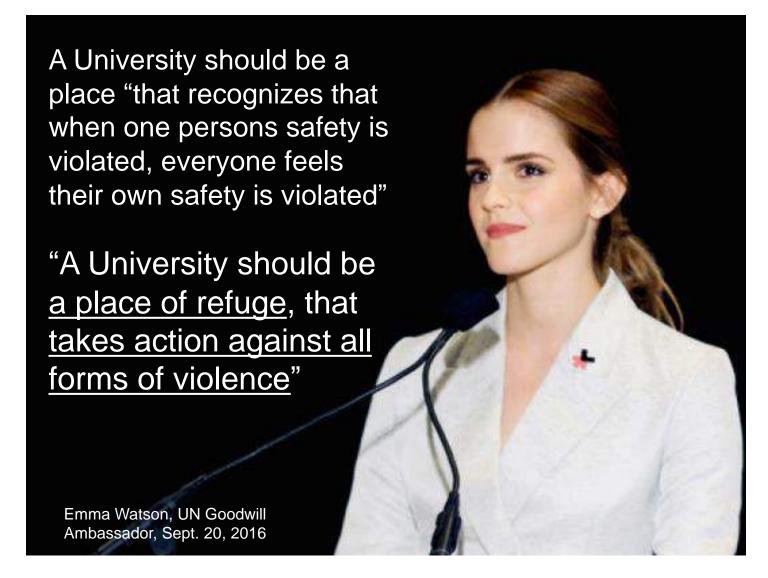
- 4. Tell our story this is perhaps our best leverage point if we decide to take action:
 - Canadians value education, and I think many would be troubled to learn of the risks and challenges students at one of our Nation's premier research and learning institutions are facing because of this project;
 - SFU is a large community with strong connections to many well-known and well-respected
 individuals, including alumni and donors. Undergraduate students are the largest group within
 the University, we are the core of this community; we are in a position to call upon the
 community's resources and goodwill to stage an effective communications campaign.
- 5. Get Radical SFU has a long and celebrated history of activism, and I believe protecting each other's safety and advocating for the future of our university is perhaps the worthiest cause any of us can stand for as students, and a cause worth fighting for.

Before I wrap this up, and I thank you all for your patience and attention in listening to what I have to say, I want to answer the question that I anticipate you as educated individuals and critical thinkers probably have: why am I doing this, why do I care, what is my motivation, what are my intentions?

As I disclosed earlier, I do have my own selfish reasons for calling attention to this issue: I live up here and I don't want to move. I plan to do a Masters degree at SFU and I don't want to switch schools; but, beyond that, there are two main reasons that will not allow me to ignore this issue:

Firstly, like all of you, I am heavily invested in SFU in terms of time, money, and effort, and my future success, to a large extent, depends on the existence and reputation of this institution. Not only is SFU my community and my neighborhood, it is also the only real proof of my education and abilities. If SFU's reputation declines because students and faculty do not want to be at a school where there is a genuine and omnipresent risk of a major catastrophe, then our degrees and reputations will suffer as well.

Secondly, I firmly believe universities should be a safe place for all students, regardless of a person's background or beliefs.



In a recent speech, UN Ambassador Emma Watson said that a university "should be a place that recognizes that when one person's safety is violated everyone feels their own safety is violated" (Waston, Sept 2016). Emma was speaking about sexual violence on university campuses, but she calls on universities to take action against <u>all forms of violence</u>.

If this project goes ahead, SFU's Burnaby Campus will be a refuge for no one. I argue that the expansion of the Tank Farm is a gross violation of our individual and collective safety.

Lastly, I care a great deal about all the people who make SFU a place where I am happy to be – my fellow students, my professors, and all the staff whose hard work make this university function. I don't want to see people in my community, people that I care about get hurt or killed.

Personally, I believe that we owe it to ourselves, to each other, to the faculty and staff, and all past and future graduates to fight this thing to the bitter end. I don't expect you all to charge with me 'unto the breach,' but I do hope we can have a productive discussion about how to respond to this threat to the SFU community.

Thank you all again for your attention.

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SFSS BOARD COMMITTEE UPDATE

This report summarizes SFSS committee activities that took place from AUGUST 1-15, 2016

ADVOCACY

The committee did not meet during this time.

ACCESSIBILITY FUND ADVISORY

At the August 10 meeting, the committee discussed Hi-FIVE project coordinator and finalized the MOU between SFSS SFU Health and Counselling Services. This jointly funded position will work within SFU Health and Counselling Services and provide updates as per SFSS' request. We also discussed the accessibility worker job description and their responsibilities. Based on feedback from committee members, the job description will be re-adjusted and presented at a subsequent meeting. We also reviewed the accessibility audit report, as well as discuss the concerns and requests expressed after some committee members attended the recent Students United for Disability Support (SUDS) executive meeting.

FINANCE & AUDIT

The Finance and Audit Committee met with the auditor's one more time to ask additional questions about the Auditor's Findings Letter and their recommendations. The motion for the financial statements of the SFSS ending in April 30, 2016 were accepted to the committee and will be on the next Board of Director's agenda to be approved. The FAC video is in progress with a few minor edits and will be finalized in the next few weeks.

GOVERNANCE

The Governance committee continued to work on a redrafting the society's by-laws. It is the intention of the committee to bring a full draft to the board then legal counsel and lasty to the membership. The committee also began to look into the problematic language around the fee structure we have at the SFSS and what impact the Society Act will have on the fees we collect.

STRATEGIC ENGAGEMENT



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The committee did not meet during this time.

STRATEGIC PLAN

The Strategic planning working groups are in progress of completing several objectives. Currently, an evaluation matrix is being developed to benchmark our services. Another working group is focusing on our communication plan and how to strengthen the SFSS brand. Lastly, another working group has developed a criteria using AFTEs on how to better allocate our resources at all the difference campuses.

SURREY CAMPUS

The Surrey Campus Committee hosted two of its events. De-stressing Day was hosted on August 5 on the SFU Surrey Campus. The event had ping pong tables, a foosball table, FIFA on the projector screen, popcorn, ice cream and outreach materials. The SCC also hosted its Bowling Night on August 6 at Dell Lane's located near the SFU Surrey Campus. The event had discounted bowling, rentals, pizza and karoke.



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SFSS BOARD COMMITTEE UPDATE

This report summarizes SFSS committee activities that took place from **AUGUST 16-31, 2016**

ADVOCACY

The advocacy committee met on August 17th, where it reviewed research done by committee members. Each research group provided an overview of the information they had found and their recommendations for future work. The committee then spent time reviewing each topic and identifying outstanding questions. The conversation eventually progressed into discussing potential ways of campaigning. The committee also passed a motion recommending that the board receive and file the final report on the summer survey results.

ACCESSIBILITY FUND

The committee met on August 26 to discuss the accessibility worker, committee's terms of reference & opportunity for government sponsorship for physical accessibility accommodations. The Accessibility Fund Committee (AFC) also had guests from the Students United for Disabilities Support (SUDS) Executive team, where we also discussed the accessibility of the grant proposal matrix, IEC election process and SFSS Student Union Building. Furthermore, we also discussed potential SFSS support for Disability Awareness Week and introduced 3 student at-large positions for the committee for the upcoming Fall semester. Lastly, the Hi-FIVE Project Coordinator Memorandum of Understanding (MOU) between SFU Health & Counselling and SFSS has been signed. The hiring process for the position has begun.

EVENTS

The committee did not meet during this time.

FINANCE & AUDIT

The committee did not meet during this time.

GOVERNANCE

The Governance Committee met on August 17th, where it continued to revise the society's by-laws. The committee also discussed the accuracy of the terms both the SFSS and SFU uses to charge student fees. The committee will be bring a draft set of by-laws to the board and eventually the membership this fall.

STRATEGIC ENGAGEMENT

- Created framework for an experimental approach to determining best tabling practices.
- Discussed possible scenarios
- Discussed different things we can experiment.

STRATEGIC PLAN



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Strategic Planning committee met and discussed objectives and progress of the Strategic plan. Currently, the committee has formed 3 working groups to tackle objectives such as developing a communications plan, an evaluation services matrix, and Surrey/Vancouver Campus Engagement plan.

SURREY CAMPUS

The committee did not meet during this time.



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SFSS BOARD COMMITTEE UPDATE

This report summarizes SFSS committee activities that took place from **SEPT 1-15, 2016**

*Note: Given the student at-large vacancies and turnover, some committees have done call-outs for student interest & have respectively not met.

ADVOCACY

The committee did not meet during this time.

ACCESSIBILITY FUND

The committee did not meet during this time.

EVENTS

The committee did not meet during this time.

FINANCE & AUDIT

The committee met and discussed a few proposed budget changes. The by-election budget was increased because of the potential of an increased number of candidates and referendums. We discussed the student union bank accounts tied with the SFSS. We also discussed the BUILD SFU SUB loan payments. The VP Finance AGM report was completed and the quarterly reports of the financials were presented to the Board. There was also a VP Finance meet and Greet that was hosted with student union executives about the new granting processes, cheque requisitions, and funding.

GOVERNANCE

NOMINATION

The committee met to discuss the opening of nominations for vacant at-large positions on SFSS standing and ad-hoc committees, the projected timeline for the nomination, interview and board ratification of candidates.

STRATEGIC ENGAGEMENT

STRATEGIC PLAN

SURREY CAMPUS



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The committee did not meet during this time.