

FEBRUARY 20, 2019 – MB, City of Portland

Benzene, Ethylbenzene and Naphthalene cause cancer;

We are certain of this information; the DEQ, the City Council members, the home owner's in Portland

BTEX + Naphthalene leach to groundwater; beneath MY house, YOUR house and OUR neighbors' houses

2012 I addressed Sam Adams and the City Council and I was SAD; no one seemed to listen or pick up on the urgency of this matter of delivering cancer causing agents to our groundwater, to our fish and to our water supply wells

2014 I addressed Charlie Hales and the City Council and I was MAD; I showed each City Council member how many leaking tanks were in their neighborhoods within ½ mile of each of their homes, and still no one seemed interested in the consequences of adding contamination to the soil and groundwater;

I am here in 2019 with enthusiasm to sell and inform others;

Xavier Environmental Inc. tested at least 20 ^{Active} underground storage tanks (USTs) used for heating oil last year in 2018. Of these 20 more than half (>1/2) of them were leaking for an unknown length of time with HUGE RELEASES of PETROLEUM to the soil and groundwater.

The magnitude of the releases is getting worse each year. The DEQ indicates that the lifespan of a heating oil tank is 20-25 years. The tanks were FAILING the moment they were installed!! When you hook up an electrical current to a steel cylinder, the steel begins to rust from the electrolysis. We live in a rain forest and water gets into the bottom of the tank and corrodes the welds.

Oil companies deliver oil to the ground in our City to USTs that are 30-50 years past their lifespan per portlandmaps permits. The DEQ maintains tanks must be sampled after 90 days if the samples are to be used to 'close' a voluntary registration decommissioning.

But oil companies don't have to sample soil beneath tanks that are 30-50 years past their lifespan before they deliver it to someone's house in the ground!!! This is an absurd HUMAN BEHAVIOR!!! Allowing someone put cancer causing chemicals into the ground into an old corroded, failing, steel cylinder. If the tank isn't leaking when they arrive it surely leaks when they add 100's of pounds of fuel to the tank with the corroded welds that is 30-50 years past it's lifespan!!!!

But our leaders protect commercial entities by passing laws that state "if you use an underground storage tank (UST) it must have secondary containment protection and cathodic protection for leaks", but our leaders leave all of these home owner's in the dark

and don't inform them that the risk they are taking adding 100's of pounds of fuel to an old corroded, failing steel container is a huge potential liability for their home, their wallets, our City's health, our City's environment and our fish.

We have a solution – We know the problem – it has persisted for over 20 years in this City – We don't stop it.

Let's sell City Permits at a discount rate to these home owner's!! Let's sell concrete for Aboveground Storage Tanks (ASTs) to be affixed to a concrete pad. Let's sell steel to make ASTs!! Let's help oil companies to keep their client base, as many change to natural gas and heat pumps;

Let's help give the oil companies GRANTS to test tanks before they deliver oil to them!! Let's give oil companies TAX CREDITS to do the RIGHT THING and stop delivering oil to the ground beneath the houses of our residents; Let's help home owner's do THE RIGHT THING and help them to STOP PUMPING OIL INTO THE GROUND IN OUR CITY.

Do you want to create GREEN JOBS PDX? What about switching the 10,000 oil customers who are pumping oil into the ground in our City to ASTs?

$10,000 \times 3,000 = 30$ million dollars in GREEN JOBS now.

If we brought all of the contamination to the surface – there would be 1000's of angry people and the health risks would be immense. It would be overwhelming to see thousands of drop boxes all over our City streets with contaminated soil in them. With the 45" of rain we get each year, this contamination would be a health risk for EVERYONE living in this City!!

Moore-Love, Karla

From: Xavier Environmental <xavierenv@gmail.com>
Sent: Friday, January 4, 2019 12:39 PM
To: Moore-Love, Karla
Subject: Fwd: FEB 20, 2019; Mark Bradley to address City Council - leaking heating oil tanks

Dear Karla More-Love and City of Portland;

My name is Mark Bradley.

Per our conversation this morning I have set aside the date of FEB 20, 2019 to speak in front of the City Commissioners.

I spoke to Sam Adams and company in 2012 and I spoke to Charlie Hales and company in 2014.

In 2012, I was nervous and not prepared to speak, but i gave my honest assessment of how blatant our collective denial is;
and how unfriendly our environmental practices are if we allow oil to be pumped into the ground by oil companies.

In 2014, I made it personal and showed each City Commissioner their address on the DEQ Facility Profiler website with at least 200-300 leaking tanks in a radius around each Commissioner's home address.

In 2020, I will let them know how we have all of this collective information, we know what causes cancer, but we don't use this information AND **the problems are getting worse each year!!!** Do you know if your neighbor's tank leaked and it migrated under your home in soil or groundwater? Do you know if you neighbor's leak is so extensive that it affects the air you breathe in your home? You may be breathing Benzene, Ethylbenzene or Naphthalene in your home if these constituents travel on groundwater in the 97221 or 97225 zip codes. I know a couple who died just south of Hawthorne Blvd. they both died of liver cancer. They had the highest levels of Benzene i have seen floating on groundwater beneath their home!!!

It is time once again to let new members Chloe, JoAnn and Ted know how extensive and persistent the leaking heating oil tanks are in our City.

We also want them to know Portland has known about this problem for over 20 years; we know how to stop the problem, but because of money and lobbyists we are suppressing the real information that home owner's need to know. That is as follows...

I have been addressing this concern of oil companies delivering oil to the ground' in our city to the Oregon DEQ and to our City Commissioners over the past 20 years;
TO ME - it feels like no progress has been made in my 20 years of observing this **ridiculous behavior** and working in the tank industry for 20 years.

Pumping oil into a corroded steel cylinder with electrical hook ups to the steel while living in a rain forest where water in the tank exacerbates the leaks and corrosion?

Pumping hundreds of pounds of fuel into an old, out-dated, steel cylinder? Seems unbelievable to me. We have permits on-line on Portlandmaps the City Fire Department thankfully documented over many years, but we don't use the data from their work - while we allow oil companies to deliver oil to tanks that are 20-60 years past their lifespan!!

And we all know the lifespan of a tank is only 20-25 years!!!

This seems absurd that we know what causes cancer, we know how persistent the problem is and has been, but we cannot prevent oil from being pumped into the ground where it co-mingles with shallow groundwater and gets washed beneath people's homes who don't even have tanks.

WE know EVERY TANK LEAKS!!! why can't we stop oil companies from pumping Benzene, Ethylbenzene and Naphthalene into the ground with the heating oil? THESE CONSTITUENTS CAUSE CANCER!! yet we allow people to pump cancer causing chemicals in the ground for over 20 years!!! WE are not a GREEN CITY and WE ARE NOT ENVIRONMENTALLY FRIENDLY if we allow this with the collective knowledge we have gathered. WE means, the DEQ, licensed service providers to the DEQ and City Officials.

I have attached proof how absurd it is to allow oil companies to deliver oil to the ground in our City to ACTIVE TANKS; after 20 years of performing COSTLY cleanups for both active and inactive tanks, i have come to see HUGE damages to property, and HUGE LOSSES for property owner's bank accounts due to oil companies delivering oil to 'ACTIVE' leaking tanks.

Pumping oil into the ground is an ABSURD behavior!! Yet with all of our collective knowledge we cannot stop this behavior?

How is this environmentally conscience?

2018 - XEI 137 cleanups

11 out of 20 ACTIVE TANKS have leaked; over 1/2 of them leak!!!!

Many with huge soil removal and other environmental concerns

ACTIVE TANKS with LEAKS - 2018

2635 N Gammans	12716				
10024 N James	12970	20 BCY	22,400 ppm		
1305 NE 71st Ave	13111				No L
4716 NE Ainsworth	14037	76 BCY remain	45,500 ppm		Exc:
3720 SE 67th Ave	13098				No L
3908 NE Rosa Parks Way	13167	17 BCY	11,900 ppm		
4233 NE 30th Ave	14066				No L
5807 SE Belmont St	13272	44 BCY	51,300/3,380 ppm		
540 NW River Park Pl	13511				No L
5615 SE Flavel Dr	13560	<5 BCY	861/923 ppm		GR1
6635 SE 38th Ave	13562		13000/14000 ppm		othe
6714 SW Burlingame	13570	14.5'	1822 ppb GW impact!	40 BCY	8040/7760 ppm; 2 tanks (2) €
5711 NE 32nd Pl	13729				No L
4156 N Lombard St	13760	35 BCY	17,600/22,600 ppm		
1535 N Emerson St	13784				No L
1335 N Farragut St	13849				No L
5625 Sinclair	13859				No L
19550 SW Stafford	14009	8'	20 BCY	4,370 ppm	
19400 SE Rudiger	14018				No L
3554 SE Wake St	14024			689 ppm	othe
7901 SE 42nd Ave	14081	30 BCY	40,200/8720 ppm		

11 out of 20

I hope this gets the ball rolling to prevent oil delivery to the ground in our City.

Regards,
Mark Bradley
XEI

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*Services: Residential * Commercial * Industrial*

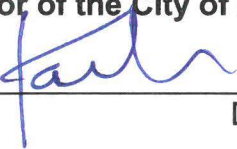
- * Tank locating, sampling and decommissioning*
- * Radon testing and mitigation*
- * Groundwater and well testing*
- * Cesspool/septic locating and decommissioning*
- * Lead and asbestos testing*
- * Demolition*
- * Tank locates are free when combined with radon test in metro area*
- * Sewer scopes and home inspections can be scheduled through our office with third party contractors vetted by Xavier Environmental*

Request of Mark Bradley to address Council regarding leaking heating oil tanks
(Communication)

FEB 20 2019

PLACED ON FILE

Filed FEB 12 2019
MARY HULL CABALLERO
Auditor of the City of Portland

By 
Deputy

COMMISSIONERS VOTED AS FOLLOWS:		
	YEAS	NAYS
1. Fritz		
2. Fish		
3. Hardesty		
4. Eudaly		
Wheeler		