**This is a draft/working document**

**Sample Comments on the Scope of the Environmental Impact Statement for the**

**Tacoma Manufacturing & Marine Export Facility**

**Use your own words if possible, if not, cut and paste.**

**Include:**

A cumulative impact analysis and including all existing and proposed facilities on the Tacoma tide flats with regard to contributions to greenhouse gases, air and water pollution

**Plastics and plastic pollution:** The destination of the methanol produced is China where it will be converted to olefins used to produce plastics.

**Fossil Fuels:** Methanol is produced from natural gas, a fossil fuel which should be left in the ground

Our state and our city have committed to reducing the use of fossil fuels.

**Fracking**:

The source of the natural gas is the Bakken fracking fields in Canada. Gas extracted this way releases methane, contributing 25 times as much greenhouse gas as CO2.

This project places the city in the peculiar position of committing to support fossil fuels (natural gas) and the destructive process of fracking for 30 years. Analyze the impact on

* The demand for fracked gas
* The methane contributed to greenhouse gas because of this project

**Water:**

The water demands for this refinery are huge. Last summer the residents of Tacoma were asked to conserve water.

* How can there be adequate water for Tacoma while supplying this plant with 7200 – 20,000 gallons of water per minute?
* What effect will this water use have on the Green River flow, on the guaranteed recreational use and on the endangered salmon?
* Will wells have to be used to meet the water demands? How will the aquafers be affected? Will they lose the ability to recharge?

**Power:**

* An Analysis of the power demand and how the demand will be met. If power will need to be sourced from outside providers, how is this power to be produced? Will its generation add to the burning of fossil fuels? What will this increase in power need add to greenhouse gas production?
* An analysis of the effect of the huge power use on residential rates over the 30 year life of the plant.

**Water:** Pollution: Commencement Bay has been the site of major remediation of industrial pollution. The waste water from this plant – fresh, hot and polluted – are you just kidding?

**Pollution:**

Chemical plants release toxins and cause pollution.

* How will this plant affect Tacoma’s air and water quality?
* What toxins will be released and in what amount?
* How much Greenhouse Gas will be released?

**Dangers and risks:**

Chemical plants are volatile and dangerous. An explosion or leak would have a devastating impact on our community.

* What experience does Northwest Innovation Works have in building and managing methanol plants?
* What is the fallout zone that would be affected by a catastrophic event?
* How would the plant be accessed (entrance and exit points)?
* Study the danger of locating this plant so close to an LNG plant
* The Tacoma earthquake fault runs under the Tacoma tide flats. Analyze the affect and earthquake would have on the methanol plant, the pipelines, the nearby LNG plant and the cumulative impact that would have on public safety.

**City’s Future:**

Asarco left a grim footprint upon our city polluting Commencement Bay, Tacoma, and all of the Puget Sound.

* Do we want to revert back to the days of Tacoma being seen as the dirty and unhealthy city in an otherwise green and progressive State?
* Was the Kaiser Aluminum site previously cleaned to completion?
* What superfund clean up activity is still underway in Tacoma?

**Chemicals:** The process uses toxic and explosive chemicals, e.g. Benzene, Formaldehyde, Naphthalene, Toluene, Methanol. These toxic chemicals will be discharged from the plant into the air and Puget Sound

**Climate Change:**

**Pipeline:**

* Include an analysis of the methane that will escape from the pipeline at point of origin and along the pipeline route and its contribution to greenhouse gas.
* Include a discussion of explosions which have occurred from natural gas pipelines and the extensiveness of damage.
* Include an analysis of the soil disruption and toxins exposed by the construction of the pipeline extension through the contaminated port soil
* Conduct an analysis of the capacity of the existing pipeline and how much additional capacity will be required. If additional pipeline(s) will be constructed how will their construction and use contribute to hazardous risk and greenhouse gas.

**Tankers:** Tankers will transport methanol to China. The traffic will introduce new dangers of explosion and pollution into Puget Sound which is slow to flush especially in the south Sound.

* Include a study of tanker accidents and the increased potential of accidents due to the tanker traffic associated with this terminal.
* Include a study of the frequency of accidents of tankers containing volatile fuels in port and the range of destruction one would have in the tide flats
* What would the contribution of fuel burned by tankers transporting methanol be to green house gases compared to sourcing energy closer to its use, i.e. China

**Safety:** Methane and Methanol are highly explosive. The community is exposed to dangers of explosion, fire and toxic air. There are residential areas very close to the proposed site where residents will be breathing toxics.

* Examine the dangers of siting this plant on the Tacoma earthquake fault which according to Wikipedia is capable of a magnitude 7 earthquake and runs under Commencement Bay toward Puyallup. Include in this analysis the proximity (within a mile) of the proposed LNG plan.

**Health:** See above

**Other Impacts:**

**Liability:** For the city? It could be astronomical.

**Property Values:** If this is built property owners in the “plume” could see their property values plummet.

**Money:** Who really will reap the benefits? Not the state of WA, not the city of Tacoma, not the vulnerable populations (there is an internment facility of undocumented persons on the tideflats very close to this site.)