

Woodfibre LNG Project – Application for an Amendment to Environmental Assessment Certificate #E15-02

The following table includes Woodfibre LNG Limited’s responses to comments submitted to the BC Environmental Assessment Office (EAO) as part of the 30-day public comment period on the [Application for an Amendment to Environmental Assessment Certificate #E15-02 for the Woodfibre LNG Project](#), held between February 9, 2017, and March 11, 2017. The following table is sorted chronologically. Where multiple comments were received in one submission, they have been separated to allow for specific responses.

The EAO has reviewed the public’s comments and Woodfibre LNG Limited’s responses and is satisfied that Woodfibre LNG Limited has addressed the public’s comments for the purposes of the Amendment Application for the Woodfibre LNG Project. The time and effort taken by those who submitted comments to the EAO during the public comment period is appreciated, and all of the comments received will be considered in the Amendment review process for the Woodfibre LNG Project.

ID	Date	Name	Comment/Inquiry	Response from Woodfibre LNG Limited
P001	09-Feb-2017	Anonymous Squamish	By switching the project plans so the plant is cooled by air instead of sea water confirms that the Squamish Nation voice is being heard by Woodfibre LNG. I support this amendment and the project as part of the global effort to reduce reliance on coal and other more harmful fossil fuels.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We’ve made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P002	10-Feb-2017	Ron Sander Squamish BC	I support Woodfibre LNG's proposed Amendment and hope that it can be processed in a timely manner. The leadership shown in being willing to change the design of the cooling system to deal with concerns listed by local First Nations the Squamish Community and others is admirable. This project will show great benefit to the community long term in providing a diversified employment base local taxation and Social License Leadership.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P004	12-Feb-2017	Anonymous	Hi I'm glad to see this project finally moving forward with all the hard work from all party's involved. I't good to that this is becoming a reality. Also the jobs that are created in the process .	Thank you for taking the time to show your support the Woodfibre LNG Project. For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.
P005	12-Feb-2017	Chris Jenkins Squamish,BC	As a supporter of this project a person with concerns for the environment and a citizen of Squamish I am in favour of these amendments being approved. It appears that WLNG has agreed to sacrifice some efficiency by changing to air cooling as opposed to sea water cooling in return for less impact on the environment. First Nations environmental assessment and approval plus ongoing dialogue bode well for this operation. The Mill Creek and Woodfibre Creek (Cedar Creek?) changes are more housekeeping changes that should have minimal environmental impact.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P006	14-Feb-2017	Ruth Simons Howe Sound	For those that have difficulty reading long documents online is the 129 page amendment available in hard copy at the libraries as the original application was?	Thank you for your comment. We understand that EAO has been in contact with you directly.

P007	14-Feb-2017	Robert Weys Squamish, Bc	I am encouraged the proponents have taken the time to listen to the community. The project will have a positive impact on the local jobs and economy.	Thank you for taking the time to show your support for the Woodfibre LNG Project. For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We've taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.
P008	14-Feb-2017	BCT Fencing Ltd. Squamish	We anticipate the proposed design changes resulting from the Squamish Nation selection of air cooling as positive step to bring this project closer to commencing. We look forward to the additional local jobs that will be provided by the Woodfibre LNG project.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P009	15-Feb-2017	Angus Johnston North Vancouver	I am supportive of the switch in cooling technology from seawater to air cooling which is a responsible move from the proponent and one which appears to address the concerns and conclusions of the Squamish Nation in this regard. Based on a review of the project evolution through the environmental assessment and review process it appears that the proponent has and continues to listen respond and make commitments that will ultimately result in a better project this being one such example.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P010	15-Feb-2017	Anonymous Squamish	I am supportive of the new air cooling technology - from seawater to air cooling - as a result of the LNG's agreement with Squamish Nation and their new independent and ground-breaking Squamish Nation environmental assessment process.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P011	15-Feb-2017	Jonathan Whitworth North Vancouver	I believe the Woodfibre LNG project is a game changer for BC and will be extremely positive for tax creation job creation and great for Canada (unlike the US we want to be seen as a global economic trading partner). In addition this project is going to be ahead of the rest when it comes to environmental stewardship which is important to me and our employees at Seaspan. This project has my full endorsement.	Thank you for taking the time to show your support for the Woodfibre LNG Project. For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We've taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.
P012	15-Feb-2017	Anonymous Vancouver, BC	I support the Woodfibre LNG project as I know first hand a number of Squamish First Nation members that support the project particularly since WLNG has changed the cooling process from water-based to air-based and moved the processing facility onto land (rather than a floating system as originally designed). I believe that we have to move away from fossil fuels but until we get there we need to use more environmentally-friendly hydrocarbon based fuels such as LNG.	Thank you for taking the time to show your support for the Woodfibre LNG Project.

P013	15-Feb-2017	Anonymous	<p>I strongly support the Woodfibre LNG project. It enables then unlocking of BCs significant upstream gas assets and creates the environemnt to ship this transition fuel to world markets and contribute to an overall global reduction of GHGs while improving air quality issues in Asia.</p> <p>Second the project uses existing infrastructure and electrification to further reduce the activities impacts while creating construction operating and upstream jobs with meaningful incomes and Governemtn and community revenue.</p> <p>Thirdly the project has also passed the unusual step of a First Nations EA review and has the confidence and opportunity to accelerate reconciliation in a very sustainable and culturally acceptable way for the Squamish and First Nations generally.</p> <p>Last opponents to the project site unfounded environmental and shipping impacts that simply are not borne out by facts or experience. I urge the EA office to issue the permits and support this project on environmental economic social and aboriginal reconciliation grounds. It is the type of sustainable investment that the province of BC and the proponents do well to the the overall benefit of our Province and it's citizens</p>	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P014	15-Feb-2017	Hon. Kerry-Lynne D. Findlay Delta, BC	<p>I support Woodfibre LNG and the switch from seawater to air cooling. I believe that Woodfibre LNG has exceeded expectations in its work to build an even better project and has made laudable efforts to work with Squamish First nation to meet its independent environmental assessment process. I am aware that Woodfibre LNG also moved to land-based processing to address community concerns over noise and marine ecosystem impact. It is my further understanding that the facility is using BC Hydro renewable energy instead of natural gas to purposefully reduce its greenhouse gas emissions significantly. Woodfibre LNG is a model for responsible economic development in BC and should be seen as a very positive job creator and alternative energy supplier. Thank-you.</p>	Thank you for taking the time to show your support for the Woodfibre LNG Project. For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.
P015	15-Feb-2017	LandSea Squamish	<p>LandSea Camp Services would like to express continued support for the development of the Woodfibre LNG Project in Squamish BC.</p> <p>LandSea recognizes a need to grow and develop industry sectors while complying with new and upcoming environmental standards. The Woodfibre LNG Project presents the opportunity to succeed at the essential balance between economic growth and environmental stewardship that leads to healthy diverse and strong communities. Squamish the province of BC and Canada will all benefit from the development of the LNG industry.</p> <p>As residents of Squamish the local environment is important to us. Based on the extensive studies that Woodfibre LNG has conducted and your agency's review of the project's Environmental Impact Statement we are confident that the facility can be constructed and operated in an environmentally sustainable manner.</p> <p>We appreciate the open dialogue that has been maintained between Woodfibre LNG the community and the Squamish First Nation. We view Woodfibre LNG as a valuable partner in the sustained development of the Sea-to-Sky corridor and look forward to a positive decision.</p>	Thank you for taking the time to show your support for the Woodfibre LNG Project.

P016	15-Feb-2017	Anonymous Squamish, BC	I am pleased that there was opportunity for the proponents to be responsive to changes that the community desires. This project has achieved a great deal of respect in my estimation because they are highly engaged in listening to what the objections are and making changes. I believe there is great motivation to manage the risks that are with any project and this is the right scale of project in the right location.	Thank you for taking the time to show your support for the Woodfibre LNG Project. For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We've taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.
P017	15-Feb-2017	Andrew Guilbride Squamish, BC	Great leadership from WLNG. They are being responsive to the community and the concerns being raised. Let's get this project going so the community benefits from jobs. The environment is not at risk this will be the most scrutized and operation and I believe that the risks will be well managed.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P018	15-Feb-2017	Doug Hackett Squamish	It is good to see Squamish Nation and WFLNG working together to find ways to improve this project on behalf of the whole community. A very positive step forward.	Thank you for your comment. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P019	15-Feb-2017	Anonymous Quadra Island, BC	The proponent has worked very hard to make this project conform to the input of the local First Nations and communities and it is now time to get on with building this project. This is a great use of an old industrial site and it will support the province's vision for NG development provides high paying construction jobs and long term employment that families can live on.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P020	15-Feb-2017	Anonymous Squamish, BC	I continued to be encouraged by WLNG's desire to be the best it can be. These recent improvements are another great stride forward.	Thank you for your comment. For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We've taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.
P021	16-Feb-2017	Anonymous Vancouver, British Columbia	I think that Woodfibre has undertaken extensive and deep consultation with the community and other stakeholders. They've identified environmental issues and have considered feedback from communities and stakeholders in their planning. We have seen real evidence of this. The switch in cooling technology is minor and does not pose any concern both environmentally or socially. Woodfibre has established the gold standard in meaningful engagement.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P022	16-Feb-2017	Anonymous Squamish	Great to see that through public consulting and a partnership with first nations there has been progress forward on this project and hope that the leadership continues from WLNG on environmental stewardship within the community.	Thank you for your comment. For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We've taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.

P023	16-Feb-2017	Jim Longo Delta BC	Woodfibre LNG has taken all feedback from the Government the Public and First Nations for the last few years and included them in their responsible environmentally friendly project planning. The decision to switch from seawater to air cooling as recommended by Squamish Nation is just the latest example of their commitment to this. This project is great for all British Columbians and will create jobs for years to come. EAO - please accept the amendment to switch from seawater to air cooling.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P024	16-Feb-2017	Anonymous Delta	Strongly support this project and their switch in cooling technology.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P025	16-Feb-2017	Anonymous West Vancouver	My family owns a home on Howe Sound and I have visited the Woodfibre LNG site by boat following the route planned for the LNG tankers that will call on the proposed facility. I have discussed plans for the site with Woodfibre representatives including modifications to such plans in response to public comments such as the change from seawater to air cooling. I am highly supportive of this project for reason that it will greatly improve the site it will create jobs it will improve Howe Sound and Woodfibre has proven to be a responsive and responsible operator. Howe Sound is better off with Woodfibre than without.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P026	16-Feb-2017	John Wood Whistler BC	The concept of discussing how this plant will get rid of vast amounts of heat by either blowing it into the air or into the water is wrong. In this day and age the idea of wasting heat in our climate is an environmental crime. This heat should be harnessed somehow and used productively.	Thank you for your comment. The Squamish Nation selected air cooling because it has the least environmental effects of the three cooling technologies considered commercially viable for the Woodfibre LNG Project. We are not aware of any LNG plants utilizing heat recovery associated with air coolers.
P027	16-Feb-2017	Anonymous New Westminster	For more than three years Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. They have taken the feedback of government the public and First Nations and made meaningful changes to their project. These are changes that are setting the standard for responsible economic development in BC including: 1. Making the decision to power their facility with clean renewable energy from BC Hydro instead of natural gas which will reduce their greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; 2. Moving their LNG processing facility from floating to land based over community concerns of marine noise and possible impacts on marine fish and mammals; and 3. They've made the switch in cooling technology - from seawater to air cooling - as a result of their agreement with Squamish Nation and their new independent and ground-breaking Squamish Nation environmental assessment process. I strongly support Woodfibre LNG and the switch in cooling technology. They have gone beyond what is required to build a better project and I support the switch from seawater to air cooling.	Thank you for taking the time to show your support for the Woodfibre LNG Project.

P028	17-Feb-2017	Anonymous Squamish BC	We live and work in Squamish BC and are very supportive of this project and were please to hear of the new changes to their plans and the consultations with the local First Nations	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P029	17-Feb-2017	Betty Adamson Squamish BC	I totally support WLNG in their proposal of design change from seawater cooling to air cooling. The upgrade of intake on Mill Creek and the short-term use of water from Woodfibre Creek are design changes of improvements and highly support.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P030	18-Feb-2017	Bizzie B's Cleaning Squamish	Bizzie B's Cleaning is a First Nation Company since 2005 I am a local company based here in Squamish and very successful. We have had the opportunity to see first hand some of the work involved in preparing the old woodfibre site for the LNG plant. It's been nice to see everyone involved doing their part in an environmentally and safe manner. I truly believe this project will be setting high standards on other LNG projects in the future. "Great Work to everyone involved.....	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P031	22-Feb-2017	Glenn Stainton Squamish BC	I am supportive of the proposed amendment to the cooling technology away from a sea based solution to the use of land based cooling towers. This is not new technology and has been utilized many times at many different locations around the world without problems. This switch is a great example of the consultation that occurred in the community and specifically with the Squamish First Nation that has resulted in a better project for the whole community. As a resident of Squamish I am happy to have this project in our community!	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P032.1	24-Feb-2017	Ruth Simons Howe Sound	Of the amendment's 129 pages less than half of the pages explain how this project impacts the previously studied value components and no technical studies are provided. With such a considerable to change to a previously problematic cooling system that is a significant aspect of the project the information to support the amendment's claim this type of cooling system does not have much impact leaves many questions unanswered. It is noted in the minutes of the March 2015 Working Group Committee meeting, Alex Brigden the WFLNG Project Director at the time is minuted as saying "the design of the entire plant is based on this cooling system, if changed they would have to restart the EA." The amendment refers only to the specifics of the engineering of air cooling, but what changes are there to the rest of the plant?	Thank you for your comment. Baseline data collected in support of the Application provided sufficient information to describe the potential effects of the proposed Project changes with the exception of atmospheric noise. Therefore, noise modelling with the air cooling system was carried out for the operation phase of the Project as part of the Amendment Application. The model, assumptions, and results were reported in Section 6.1 of the Amendment Application. Appendix D includes the noise model inputs. Section 5.1 of the Amendment Application describes the process for determining which valued components (VCs) are carried forward for further assessment. The assessment of how the proposed Project changes may affect these VCs is included in Section 6.0 of the Amendment Application. Of note are the environmental interactions that are eliminated with the switch from seawater cooling to air cooling, and are included in Section 5.2 of the Amendment Application.
P032.2			There is no updated visual of the entire new design so it appears those commenting are only receiving partial information.	As described in Section 6.9 of the Amendment Application, the air cooling system will be mounted on top of the LNG facility (train) on a pipe support structure. The structure will extend approximately three metres above the height of the structure in the artist's rendering of the

				Woodfibre LNG Project (June 2014), and will not have a notable visual effect. In addition, the heat exchangers (two towers) in the artist's rendering will remain the tallest part of the LNG processing facility. (https://www.woodfibrelng.ca/the-project/about-the-project/)
P032.3			<p>1 Refrigerant leaks and spills:</p> <p>Quoting from Woodfibre's 2015 Assessment of Alternative Cooling Systems document: "The use of air coolers for the Project would require greater refrigerant inventory, increasing the potential magnitude and extent of contamination in the event of a leak or spill from the refrigerant piping or tube bundles." There is no mention of this concern in the amendment. Is refrigerant cooling being used and why is this risk not addressed?</p>	A closed loop refrigerant system will be utilized in the LNG liquefaction process. There are no new interactions for site contamination due to the change to air cooling. Spill containment will be provided in compliance with codes and regulations to mitigate the risk in the rare event of a refrigerant leak.
P032.4			It is noted on page 18 "Site Contamination" - "no new interactions", however, the reference to refrigerant cooling in the 2015 document would suggest there is a risk to environment and possibly human health.	The Site Contamination IC is in reference to the existing site contamination at the Woodfibre property as a result of the historic Woodfibre pulp and paper mill. Existing contamination at the property is managed under the existing Certificate of Compliance issued by the BC Ministry of Environment for the Woodfibre property. There are no new interactions identified with the Site Contamination IC as there is no additional footprint required for the proposed Project changes (i.e., no additional ground disturbance).
P032.5			<p>2. Cumulative Effects</p> <p>Since the initial application was submitted, other projects within the assessment area have progressed. The changes and impacts from Seawater Cooling System to Air Cooled System should require a review of cumulative impacts against the current and foreseeable projects in the assessment area. For example the current and future operations of the following projects should be considered in regards to noise and cumulative effects on fish and other species impacted by the changes to this project:</p> <ul style="list-style-type: none"> • The Box Canyon Hydro Project has been operating since the spring of 2016 and noise levels reported by local residents are higher than expected. 	<p>The Amendment Application follows the methodology approved by the Environmental Assessment Office in the Application Information Requirements document. Noise modelling was undertaken and is provided in Section 6.1 of the Amendment Application. The indirect effects associated with atmospheric noise is considered for each of the wildlife VCs.</p> <p>The noise modelling undertaken as part of the Amendment Application includes baseline noise levels determined in accordance with Oil and Gas Commission guidelines and Health Canada guidance. This modelling shows that the noise generated by the LNG facility reduces to background levels at about 1.5 km from the facility. The Woodfibre site is located approximately 14 km from the Box Canyon Hydro Project.</p>
P032.6			<ul style="list-style-type: none"> • Forestry activities may have changed since the original application. Removal of trees in the assessment area, including updated plans for removal of trees by BC Hydro electric transmission lines and Fortis Eagle Mountain pipeline project affect wildlife and should be addressed in this amendment. 	<p>Both the BC Hydro transmission line interconnection and the FortisBC Eagle Mountain – Woodfibre Gas Pipeline were considered as part of the cumulative effects assessment undertaken as part of the Application. The amount of clearing associated with the Project remains the same as reported in the Application (approximately 10 ha); therefore, the cumulative effects assessment is unchanged.</p> <p>Installation of the air cooling system will not require additional clearing. Construction of a new Mill Creek intake and associated infrastructure (i.e., pipeline/penstock and water storage tank) was identified and assessed in the Application. The use of the existing intake and associated infrastructure (i.e., pipeline/penstock) on Mill Creek could result in a reduction in the effects to vegetation, mainly associated with a reduced need for clearing for a new penstock.</p>

P032.7			<ul style="list-style-type: none">• BURNCO Aggregate - 2016 fish returns to the artificial groundwater channel resulted in much changed baseline information. This project will impact fish in Woodfibre and Mill Creek , what is the potential combined impact on fish in Howe Sound?	<p>Anadromous and residential fish presence in both Mill and Woodfibre creeks was identified as part of the Application (Section 5.15), and mitigation measures are proposed to avoid or reduce the potential effects to fish associated with reusing the existing intake on Mill Creek and temporary water withdrawals from Woodfibre Creek during construction. These mitigation measures are well understood and known to be effective.</p> <p>As noted in the Amendment Application, “the predicted effects are within the range assessed in the Application for Mill Creek; therefore, additional mitigation measures are not required and residual effects are not changed from the Application”. Because the Project-related effects are not expected to change, the cumulative effect would also remain unchanged. In addition, the Application concluded that the Project-related effects to freshwater fish are expected to be negligible. In accordance with the methodology in the Application Information Requirements, cumulative effects assessments are not undertaken for valued components with negligible effects.</p> <p>Regardless of whether the existing intake or a new intake on Mill Creek is used, the intake adhere to best management practices for instream works and will follow the standards outlined in Fisheries and Oceans Canada (DFO)’s <i>Freshwater Intake End-of-Pipe Fish Screen Guideline</i> (DFO 1995) and <i>Measures to Avoid Causing Harm to Fish and Fish Habitat</i> (DFO 2013). Environmental Assessment Certificate (EAC) Condition 5 requires that Woodfibre LNG develop a minimum instream flow release regime that is acceptable to both the Ministry of Forests, Lands and Natural Resource Operations and Squamish Nation.</p> <p>Woodfibre LNG is proposing to withdraw water using the existing intake infrastructure or use temporary pumps to withdraw water from Woodfibre Creek. Pumps withdrawing water directly from Woodfibre Creek will incorporate best management practices for approach velocities and screen spacing, as outlined in <i>Freshwater Intake End-of-Pipe Fish Screen Guideline</i> (DFO 1995). Woodfibre LNG is proposing to add the requirement to determine an instream flow release regime for Woodfibre Creek to EAC Condition 5 (see Section 8.0 of the Amendment Application).</p>
P032.8			<p>3. Fish:</p> <p>The 2014 fish studies on Woodfibre and Mill Creek, but this amendment should include 2015 and 2016 data in order to have more data for the baseline study.</p> <p>"Marine Fish" has been introduced as a specific value component in the amendment but the Table of Contents in the initial application did not have “Marine Fish” as a specific value component. The amendment states there will be affects to fresh water fish and fish habitat from water withdrawals, but 5.2.3 states there is “no interaction with marine fish”. The original application 4-12 states " Mill Creek supports Andronomous and resident salmonids, and Woodfibre Creek supports resident salmonids. Both creeks discharge into Howe Sound which supports CRA fisheries."</p> <p>On page 36 of the amendment it states the 2014 Fish study on the creeks noted Juvenile Chinook . In the original application it states “the presence of this Juvenile Chinook is likely the result of non-natal use, although the potential that Chinook salmon spawn within this limited segment in some years cannot be ruled out”.</p> <p>What are the more recent studies on the creeks to verify the possibility of fish spawning? How can there be no affects on Marine Fish if fish are prevented from entering the marine environment by this project? If there are less fish entering the marine environment this would have an effect on the entire food chain.</p>	<p>Since submission of the Application in 2015, Woodfibre LNG has engaged registered professional biologists to undertake two years of herring spawn surveys (2015 and 2016) as well as pink salmon fry outmigration sampling on Mill Creek. These surveys will help to inform the monitoring and management plans required as conditions of the Environmental Assessment Certificate and federal Decision Statement.</p> <p>The potential effects on fish and fish habitat do not change with the proposed Project changes, except, as noted previously, a potential for a reduction of effects to marine fish from the removal of the seawater cooling system as a Project component. The potential effects on Mill Creek may occur over a longer distance with the reuse of the existing site. As noted previously, minimum instream flow releases will be established for Mill Creek. The inclusion of additional herring spawn survey data would not affect either of these conclusions.</p> <p>For clarity, the name ‘Forage Fish and Other Fish (Marine)’ was shortened to just Marine Fish in the Amendment Application. This was done in response to feedback that the original name of the VC was confusing.</p> <p>Although anadromous fish could be considered as part of either the Marine Fish VC or the Freshwater Fish and Fish Habitat VC, they were assessed as part of the Freshwater Fish and Fish Habitat VC because any potential effects would occur in the freshwater environment.</p>

				Mitigation measures to avoid effects to both resident and anadromous fish are well understood and known to be effective. Please see the response to the question above for a description of these mitigation measures.
P032.9			<p>In the 2015 Assessment of Alternative Cooling Systems document is was noted as a concern regarding Air Cooling systems in regards to the two creeks: " the purpose of the existing water licences would need to be changed. Also, the flow available for diversion is limited during low flow (summer) months, particularly given the necessity to maintain minimum instream flow releases that are protective of fish."</p> <p>What is the compensation plan for loss of habitat or fish, particularly if Woodfibre Creek is a spawning area?</p>	<p>The quote referenced in the comment is in relation to evaporative cooling, which is not the cooling technology that has been selected for the Project. The air cooling system selected by the Squamish Nation does not require the use of water.</p> <p>The instream flow releases will be determined based on the species and lifestages present within the portion of the stream where flows will be reduced. It is not currently anticipated that compensation (offsetting) will be required for the water withdrawals. If compensation is required, it will be determined through the <i>Fisheries Act</i> authorization and Condition 3.11 of the federal Decision Statement.</p>
P032.10			<p>4. Visual Impacts:</p> <p>When BC Hydro illustrated the swath of trees that needed to be cut to bring the transmission lines to the project the visual impact of the project was very different from Woodfibre’s illustration. The storyboards are available for viewing on BC Hydro’s Woodfibre LNG website. Woodfibre's amendment should illustrate the visual impact of the transmission lines and pipeline otherwise the illustration on page four of the power point used for consultation continues to be misleading. BC Hydro’s website regarding this project has not been updated for a long time. The site still states “At this time, we are waiting for authorization from Woodfibre LNG to move forward with additional studies.” What is the result of the studies with this change to the Air Cooling? This information is important in order to understand what assumptions this amendment is based upon. It is not understood how this change to Air Cooling does not impact the Value Components specific to the economy.</p> <p>It is misleading to the public to not include the economic and visual impacts of Hydro’s service to power this project. The visual impacts of tree removal for the pipeline to serve this project should also be included.</p>	<p>As described in Section 6.9 of the Amendment Application, the air cooling system will be mounted on top of the LNG facility (train) on a pipe support structure. The structure will extend approximately three metres above the height of the structure in the artists rendering of the Woodfibre LNG Project (June 2014), and will not have a notable visual effect. In addition, the heat exchangers (two towers) in the artist’s rendering will remain the tallest part of the LNG processing facility (Slide 4 of Amendment Application Appendix C). We also note that the artist’s rendering available includes both BC Hydro and FortisBC right-of-ways. For clarity, neither the FortisBC pipeline within the Project area nor the BC Hydro interconnection infrastructure are considered Project components as they are not within the scope of the Project as defined in the section 11 order. Potential effects from FortisBC pipeline and BC Hydro substation projects are acknowledged and considered in the Cumulative Effects Section 7.5.4 of the original Application, based on the information available at the time of the assessment. Woodfibre LNG Limited continues to work with BC Hydro to determine the most appropriate transmission interconnection option.</p> <p>The change to air cooling is not expected to change the VCs specific to the economy.</p>
P032.11			<p>5. Atmospheric Sound study:</p> <p>The initial Baseline Atmospheric Sound and Sound Effect study was conducted by Golder and Associates, however the amendment appears to be based on information from Hemerra Consulting with no reference to the Golder studies. Since the actual studies are not included with this amendment what confidence can we have in the methodology used to arrive at the conclusion there is no impact? For example, on the original application noise from transmission lines was included in the modelling as were many other factors. There is no mention of transmission lines in the amendment. Considering more power is required for an air cooling system it is not clear how any changes to BC Hydro's project to supply power for an air cooling system will impact noise and the visual impact. Without this information it is not certain the impacts are complete. Transport Canada’s TERMPOL review is not complete for this project. The noise in this amendment considers 3 tugs at the terminal, but four tugs could be escorting the ship.</p> <p>It is my opinion that BC Oil and Gas industry standards for rural environments are not applicable to Howe Sound as this is a marine environment with some commercial shipping. Noise from an LNG plant and increased noise from LNG carriers and escort tugs will adversely affect recreation users and residents along the shipping route.</p>	<p>The noise modelling undertaken as part of the Amendment Application includes the same baseline noise levels determined in accordance with Oil and Gas Commission guidelines and Health Canada guidance that were used in the Application. Further, the noise modelling uses the same software package (CadnaA).</p> <p>The operating power requirement is not anticipated to increase with the change to air cooling (Section 6.2 of the Amendment Application). As noted in the Application, the Project will have an operating power requirement of approximately 140 MW under normal conditions and 185 MW under peak loading.</p> <p>To clarify, transmission lines were not included in the noise modelling for the original Application. Woodfibre LNG has reviewed the original noise model sources in order to respond to this comment and concluded that you are likely referring to the ‘138 kV/69 Stepdown transformers’. Transformers were inadvertently left off the list of equipment when updating for the Amendment Application. They were added to the noise model and updated noise modelling was provided to the EAO. The addition of these components does not change the results of the modelling.</p> <p>The modelling undertaken in support of the Amendment Application includes the following assumptions that result in conservative estimates of sound levels:</p>

				<ul style="list-style-type: none"> all noise-generating components of the Project operate continuously (including all fans); the wind is blowing towards the receptors at 5 m/s; three tug boats assist with berthing; both main and auxiliary LNG carrier engines are operating; and there is no ground absorption. <p>Even with these conservative assumptions, noise modelling conducted in support of the Amendment Application shows that noise levels generated by the facility reduce to background levels at about 1.5 km from the facility. Noise modelling shows that the Project will meet available guidance, including the OGC guidelines and Health Canada guidance.</p> <p>Design optimization work has shown that by adjusting the number of fans in use at any given time, energy consumption for air cooling is expected to be equivalent to or less than the energy consumption for seawater cooling.</p>
P035	25-Feb-2017	Anonymous Squamish BC	I am pleased to hear that Woodfibre LNG is switching to air cooling and not using water. Another sign of their commitment to protecting the natural beauty of Howe Sound.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P036	26-Feb-2017	Anton van Walraven Bowen Island BC	The Application for an Amendment to Environmental Assessment Certificate #E15-02 does not mention how the proposed Air cooling system will effect the power requirement of the project. The project's 'normal operating power requirement' using seawater cooling was approximately 140 MW. (Woodfibre LNG Application for an Environmental Assessment Certificate - Executive Summary January 2015 page 9). What will the new 'normal operating power requirement' for the project using air-cooling be?	Thank you for your comment. As stated in Section 2.1 of the Amendment Application, design optimization work has shown that by adjusting the number of fans in use at any given time, energy consumption for air cooling is expected to be equivalent to or less than the energy consumption for seawater cooling.
P037	27-Feb-2017	Anonymous Port Moody, BC	<p>Good day</p> <p>Having been instrumental in the development of LNG terminals elsewhere in the world I have been following this project with interest.</p> <p>Chlorine from anti fouling systems is well managed in other facilities and with the appropriate monitoring and feedback loop it can be managed so as not to harm the environment. There are other facilities where the warm water from the cooling system has been a bonus to the community as it became a fishing hotspot due to the increase in fauna rather than causing a decrease in any marine population. Beneficial or otherwise it remains a change in the local environmental conditions and avoiding that with using air cooling can only be positive.</p> <p>The use of air cooling systems has been well proven Freeport LNG Houston implemented the system for its vaporization system (warming as opposed to cooling) but has a similar arrangement where fans/electrical load is incurred on demand the system has proven very successful and acceptable to the local community.</p> <p>Whilst the need for such a change can be debated I am confident that this will be good for the environment and all interested parties. It is refreshing to see a project working with the local First Nations to find a solution that works for the interested parties.</p> <p>I wholeheartedly support the move to the air cooling arrangement and I hope that this will prove acceptable to the EAO.</p>	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.

P038	27-Feb-2017	BC Marine Logistics Ltd Squamish BC	BC Marine Logistics continues to support WLNG and its efforts to better our community. WLNG continues to show much consideration to the economic and environmental health of the Squamish community.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P039	28-Feb-2017	Geoff Procter Squamish	I have been following this project from day one congratulations to Woodfibre LNG for meeting all requirements along the way great for Squamish and the BC province.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P040	02-Mar-2017	Anonymous	If they have met all the safety regulations there is no reason for this project to not go ahead as planned. We can not afford to miss the bus again	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P041	02-Mar-2017	Anonymous Williams Lake BC	Canada is the cleanest country on earth regarding emissions and every industry be it gas oil or mining is conscious of the environmental impacts their industry has on the land. To my knowledge every one of the industries has a plan in effect to restore the land to its original state promoting vegetation and wildlife health. I'm all in favour of the LNG plant being in operation and their use of air to cool the plant.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P042	02-Mar-2017	Robert Newbigging Vancouver	I worked in an LNG plant in Brunei for 10+ years. We used (air-cooled) cooling towers rather than sea water even though the plant was by the ocean. Maintenance costs will be much lower with air cooling. Sea water cooling will lead to expensive maintenance headaches. I am surprised to learn that this was even being considered. I am really pleased to see BC moving forward with its LNG endeavours. Getting away from coal fired factories worldwide should be on everyone's agenda. BC will play a major role to this end.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P043	02-Mar-2017	Anonymous	I support the Woodfibre LNG proposal.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P044	02-Mar-2017	Anonymous Victoria, BC	I support this project - all requirements appear to be met & it will provide economic & environmental benefits to all concerned - time to proceed!	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P045	02-Mar-2017	Anonymous Terrace. B.C.	I support this project because we need the jobs here in bc and i myself am first nations currently unemployed and am looking for a pipefitters apprentice work.	Thank you for taking the time to show your support for the Woodfibre LNG Project.

P046	02-Mar-2017	Anonymous Pay	I support Woodfibre's request to amend their project plan so the LNG plant is cooled by air instead of sea water. In making this amendment Woodfibre LNG is not only demonstrating their commitment to build a better project but also is addressing the concerns and recommendations of the Squamish Nation. Woodfibre LNG is an example of responsible resource development that will have long term benefits for the local community and BC's economy. The \$1.8 billion in investment will bring 650 construction jobs and 100 full-time jobs to Squamish along with more than \$80 million a year in tax revenue.	Thank you for taking the time to show your support for the Woodfibre LNG Project
P047	02-Mar-2017	Rudy Hiebert Abbotsford BC	My comment response is in the form of a question or two; 1.) Has the Pine forests in the interior of the province ravaged by the Pine Beetle been researched as a source for this project? 2.) Will this project give opportunity for people like myself to make superior synthetic maintenance lubricants for a wide range of vehicles and heavy duty equipment?	Thank you for your comment. For clarity, the Woodfibre LNG Project is a liquefied natural gas processing and export facility located at the Woodfibre site about seven kilometres from downtown Squamish, BC. The word “Woodfibre” in Woodfibre LNG comes from the name of the site and the historical pulp mill that operated at the site until 2006.
P048	02-Mar-2017	Don Loewen Duncan, BC	I think that the LNG project is more than worthy of the general public's support. Using air cooling versus ocean water is more environmentally sound!	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We’ve made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P049	02-Mar-2017	Bruce Ott Vancouver, BC	I support Woodfibre's request to amend their project plan so the LNG plant is cooled by air instead of sea water. In making this amendment Woodfibre LNG is not only demonstrating their commitment to build a better project but also is addressing the concerns and recommendations of the Squamish Nation. Woodfibre LNG is an example of responsible resource development that will have long term benefits for the local community and BC's economy. The \$1.8 billion in investment will bring 650 construction jobs and 100 full-time jobs to Squamish along with more than \$80 million a year in tax revenue.	Thank you for taking the time to show your support for the Woodfibre LNG Project
P050	03-Mar-2017	Anonymous	I support Woodfibre LNG Limited (Proponent) proposes to construct and operate a liquefied natural gas export facility on the previous Woodfibre Pulp and Paper Mill site located approximately 7 km west-southwest of the urban centre of Squamish British Columbia. The facility would have a storage capacity of 250000 m3 and would produce up to 2.1 million tonnes per year of liquefied natural gas.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We’ve made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P051	03-Mar-2017	Anonymous	I support Woodfibre LNG project	Thank you for taking the time to show your support for the Woodfibre LNG Project
P052	03-Mar-2017	Anonymous	Lng is our future and your future go ahead and be responsible to the environment and to the people it is the future with the proper culture in the company not just for profit	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We’ve made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.

P053	03-Mar-2017	Glenn Robson Williams Lake, BC	I believe in the change from seawater cooled to air cooled and that this project will provide many much needed jobs.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We’ve made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P054	03-Mar-2017	Anonymous Surrey, BC	GET ON WITH IT . . . you've already wasted the phenominal fiscal opportunity of the the Northern LNG proposal though needless naive 'foot-dragging'; this Province desperately requires RESOURCE revenue stream expansion	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We’ve made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P055	04-Mar-2017	Anonymous West Kelowna, BC	I support Woodfibre's request to amend their project plan so the LNG plant is cooled by air instead of sea water. In making this amendment Woodfibre LNG is not only demonstrating their commitment to build a better project but also is addressing the concerns and recommendations of the Squamish Nation. Woodfibre LNG is an example of responsible resource development that will have long term benefits for the local community and BC's economy. The \$1.8 billion in investment will bring 650 construction jobs and 100 full-time jobs to Squamish along with more than \$80 million a year in tax revenue.	Thank you for taking the time to show your support for the Woodfibre LNG Project
P056	04-Mar-2017	Anonymous	I support Woodfibre's request to amend their project plan so the LNG plant is cooled by air instead of sea water. In making this amendment Woodfibre LNG is not only demonstrating their commitment to build a better project but also is addressing the concerns and recommendations of the Squamish Nation. Woodfibre LNG is an example of responsible resource development that will have long term benefits for the local community and BC's economy. The \$1.8 billion in investment will bring 650 construction jobs and 100 full-time jobs to Squamish along with more than \$80 million a year in tax revenue.	Thank you for taking the time to show your support for the Woodfibre LNG Project
P057.1	04-Mar-2017	Anonymous Garibaldi Highlands BC	In a world where climate change is already happening and threatens the life of this planet how is it possible that expansion of oil and gas even being considered? The EPA is supposed to be protecting a fragile and unique place like Howe Sound from all threats and oil and gas is the biggest threat to climate change in BC Canada and on earth.	Thank you for your comment. Woodfibre LNG Limited is of the view that natural gas – the cleanest burning fossil fuel – is the best and most reliable way to help transition away from high-emission fuels such as coal. This is particularly true in energy-hungry Asian markets, where Woodfibre LNG plans to sell its product. In fact, replacing just one 500 Megawatt coal-fired power plant with natural gas fueled power generation for one year, equates to taking 557,000 cars off the roads*. The Woodfibre LNG Project will be powered by electricity provided by BC Hydro. By powering the plant with electricity, instead of natural gas, greenhouse gas emissions will be reduced by about 80%. This will make Woodfibre LNG one of the cleanest LNG facilities in the world. *Note on Source: A 2009 independent study commissioned by CLNG (Centre for Liquefied Natural Gas) and performed by Pace Global Energy Services found that existing U.S. coal fired power generation produces more than double the lifecycle greenhouse gas emissions than power generation fueled by regasified LNG.
P057.2			If Canada would follow the world wide standards on what is safe for the transportation of LNG this project would NEVER pass because of the long narrow channel proximity to	As described in the frequently asked questions from the Application review (<i>Proposed Woodfibre LNG Project Frequently Asked Questions</i> https://projects.eao.gov.bc.ca/p/woodfibre-

			<p>populated areas and the disruption to the ferry system and the many sail and pleasure boats filling the Sound three seasons of the year.</p> <p>The outdoor tourism that sustains the town of Squamish will be severely impacted. From the top of the Sea to Sky Gondola the view that people come from all over the world come to see will be destroyed by the huge ugly and polluting LNG ships in the water by the flares from the Woodfibre plant. Not to mention the fugitive gases escaping during the processing of LNG. Worldwide travellers to Whistler will be dismayed that the beauty of this place has been so disfigured. Tourism is essential to BC's economy.</p>	<p>Ing/docs?folder=123), siting of the Woodfibre LNG facility complies in every way with the Society of International Gas Tanker & Terminal Operators Ltd's (SIGTTO) guidance as the location of the site is not within a narrow waterway as defined by SIGTTO and TERMPOL (Technical Review Process of Marine Terminal Systems and Transshipment Sites).</p> <p><i>Tourism</i></p> <p>Woodfibre LNG Limited is of the view that tourism and industry can work together to create responsible economic development in Squamish. BC Ferries and Squamish Terminals have shown how industry can successfully coexist with local tourism and recreation, and Woodfibre LNG Limited is working hard to follow that example.</p>
P057.3			<p>The hydro dam needed to supply power to Woodfibre will cost the BC taxpayers substantial rise in fees until close to 2090 while the Woodfibre plant itself will be paying a fraction of what the taxpayers will be paying for their hydro.</p>	<p>The Province of British Columbia's decision in November 2016 to offer the industrial rate to LNG projects that use electricity from B.C. Hydro to power their facilities ("eDrive") means Woodfibre LNG will pay the same fair rate as any mine, pulp mill or factory in BC. Woodfibre LNG will also be required to contribute the full cost of connecting to the BC Hydro system, as well as transmission system upgrades required to serve the facilities. The electricity rate paid by the Project will not change with the switch in cooling technology and is therefore not included in the Amendment Application.</p>
P057.4			<p>After so many years of cleaning Howe Sound from previous industrial polluters humpback whales dolphins orcas and other wildlife are returning. A humpback was seen at the Woodfibre plant only a couple of days ago. The natural hatchery of herring that sustain the food chain will be destroyed because it is right beside Woodfibre although they will not admit to it's proximity but we have documented proof.</p>	<p>Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p> <p>As noted in Section 5.2 of the Amendment, the switch to air cooling will eliminate the potential effects from the seawater cooling on the marine environment, including potential effects on marine water quality, marine benthic habitat, marine fish (including herring), marine birds and marine mammals.</p>
P057.5			<p>Renewable energy sources are now overtaking oil and gas in job creation and and in lower costs. When is the Canadian government going to catch on and do the right thing? Once the infrastructure is in place the oil and gas companies will need more production to justify the huge expenditure of building those pipelines and structures. The price of oil and gas has plummeted and will not come back because the countries that this government was hoping to sell to are successfully switching to renewables. The market has gone - already!</p> <p>So members of the EPA please be the ones to put a stop to this or throw enough changes in this proposal that makes it impossible to proceed. You will be doing Canada and the world a favour. And Trudeau might not look like such a fool after his COP21 declaration.</p>	<p>Woodfibre LNG Limited is of the view that natural gas – the cleanest burning fossil fuel – is the best and most reliable way to help transition away from high-emission fuels such as coal. This is particularly true in energy-hungry Asian markets, where Woodfibre LNG plans to sell its product. In fact, replacing just one 500 Megawatt coal-fired power plant with natural gas fueled power generation for one year, equates to taking 557,000 cars off the roads*.</p> <p><small>*Note on Source: A 2009 independent study commissioned by CLNG (Centre for Liquefied Natural Gas) and performed by Pace Global Energy Services found that existing U.S. coal fired power generation produces more than double the lifecycle greenhouse gas emissions than power generation fueled by regasified LNG.</small></p>
P058.1	05-Mar-2017	Anonymous Squamish, BC	<p>The Squamish area and Howe Sound is finally bouncing back from numerous environmental issues from the copper formerly leeching from the Britannia mine to creosote on the dock pilings etc. I don't see how the potential pollution from the LNG is worth placing it so close to the fastest growing town in Canada which relies in part on its views and stunning nature as a draw for both new residents and recreational/environmental tourism.</p>	<p>Thank you for your comment.</p> <p>Woodfibre LNG Limited is of the view that tourism and industry can work together to create responsible economic development in Squamish. BC Ferries and Squamish Terminals have shown how industry can successfully coexist with local tourism and recreation, and Woodfibre LNG Limited is working hard to follow that example.</p> <p>Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited's purchase</p>

				<p>of the Woodfibre site in February 2015 ensured that the site will meet the industrial standards of today. The Woodfibre site has been home to industrial activity since the early 1900’s, and Woodfibre LNG’s purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment (MOE). On December 22, 2014, the MOE issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk.</p> <p>As part of the COC process, contaminated upland soils were remediated and the historical on-site asbestos disposal area was closed. To improve fish habitat off the Woodfibre site, approximately 4,900 m³ (490 dump truck loads) of historic wood waste was removed from Howe Sound. This wood waste was used as structural fill in the onsite landfill. The landfill on the Woodfibre property is a permitted sanitary landfill with a leachate treatment system.</p>
P058.2			<p>My understanding is that it won't create many jobs all in all especially for locals either. What jobs are created will mostly be performed by specialists brought in from elsewhere. A large part of the community and the local government have all said that we don't want Woodfibre LNG. Please don't force it on us.</p>	<p>Woodfibre LNG anticipates sourcing the majority of its direct construction employment, approximately 60% (1,067 FTE jobs) from the local labour force (Metro Vancouver to Whistler). Squamish’s labour force totaled 10,270 workers in 2011 (Statistics Canada), and the construction industry was the largest labour force sector in Squamish with 1,430 workers (14.0%).</p> <p>Woodfibre LNG will develop a Local Hiring Strategy, a Local Training Strategy and Local and Regional Procurement Strategy in order to ensure that the local workforce and economy can realize the potential economic benefits of the Project. These strategies will ensure that the labour force is well-positioned to seek Project employment based on individual capacities to supply needed skills; maximize employment opportunities for residents in Squamish, Whistler and Metro Vancouver; and ensure that local and regional businesses can access the benefits of increased demand for goods and services from the Project.</p>
P059.1	05-Mar-2017	Anonymous	<p>Hello</p> <p>Question: -Why is the 37.5% reduced Hydro rate [eDrive LNG rate] not part of Woodfibre LNG's amendment?</p>	<p>Thank you for your comment.</p> <p>The Province of British Columbia’s decision in November 2016 to offer the industrial rate to LNG projects that use electricity from B.C. Hydro to power their facilities (“eDrive”) means Woodfibre LNG will pay the same fair rate as any mine, pulp mill or factory in BC. Woodfibre LNG will also be required to contribute the full cost of connecting to the BC Hydro system, as well as transmission system upgrades required to serve the facilities. The electricity rate paid by the Project will not change with the switch in cooling technology and is therefore not included in the Amendment.</p>
P059.2			<p>Question: -What will the power consumption ['normal operating power requirement'] of the new proposed project configuration be?</p> <p>The input-output model for employment as estimated by Woodfibre LNG and adopted by the BC Government uses a multiplier of 28 indirect and induced jobs created for every Woodfibre LNG job. Compared to Logging mining and pulp & paper the multiplier Woodfibre LNG used is more than 10 times higher than has been found to be the case for these industries.</p>	<p>As noted in the Application, the Project will have an operating power requirement of approximately 140 MW under normal conditions and 185 MW under peak loading. As stated in Section 2.1 of the Amendment Application, design optimization work has shown that by adjusting the number of fans in use at any given time, energy consumption for air cooling is expected to be equivalent to or less than the energy consumption for seawater cooling.</p> <p>The number of jobs associated with the Project is not affected by the changes proposed in the Amendment. Accordingly, the Labour Market VC is outside the scope of the amendment. The calculations included in the Application were undertaken independently by two consulting firms specializing in this field, and their analyses yielded similar results.</p>

P060.4			<p>During the 2015 Environmental Assessment Woodfibre LNG stated that changing its cooling system would be huge. The amendment is unclear on changes made to the rest of the plant and infrastructure.</p> <p>Question 5: -Why is there no visual representation of the new configuration?</p>	<p>As described in Section 6.9 of the Amendment Application, the air cooling system will be mounted on top of the LNG facility (train) on a pipe support structure. The structure will extend approximately three metres above the height of the structure in the artist's rendering of the Woodfibre LNG Project (June 2014), and will not have a notable visual effect. In addition, the heat exchangers (two towers) in the artist's rendering will remain the tallest part of the LNG processing facility. (https://www.woodfibrelng.ca/the-project/about-the-project/)</p>
P061	06-Mar-2017	Anonymous	<p>Great that the Project is improving and I'm hoping it continues to go ahead.</p> <p>B Hopper</p>	<p>Thank you for taking the time to show your support for the Woodfibre LNG Project</p>
P062	06-Mar-2017	Anonymous BC	<p>As a full time resident of Bowen Island I am concerned about the LNG planned development in Howe Sound.</p> <p>No one has been able to prove the absolute safety of LNG in the confined of the small area of Howe Sound...</p> <p>Many safety issues do exist..</p> <p>We are told no other domain on the planet would allow such an enormous project in a populated area such as Howe Sound..</p> <p>It's never too late to stop a project that emanates such huge safety issues to the citizens of the Howe Sound area...</p> <p>Erwen Smith</p>	<p>Thank you for your comment.</p> <p>LNG shipping is safe. In fact, LNG has been shipped for more than 50 years around the world without one incident of loss of containment. It's also important to know that Howe Sound has been an established shipping route for more than a century, and that it is well suited for the movement of LNG.</p> <p>In addition, siting of the Woodfibre LNG facility complies in every way with the Society of International Gas Tanker & Terminal Operators Ltd's (SIGTTO) guidance as the location of the site is not within a narrow waterway as defined by SIGTTO or TERMPOL (Technical Review Process of Marine Terminal Systems and Transshipment Sites).</p> <p>Subject to the recommendations of Transport Canada's TERMPOL Review Committee, which includes Transport Canada, Pacific Pilotage Authority, BC Coast Pilots and Canadian Coast Guard, Woodfibre LNG has always maintained that it would deploy at least three tugs in an escort pattern, at least one of which will be tethered, to provide a dynamic safety awareness zone for recreational and pleasure craft around the LNG carrier during its transit within Howe Sound. This dynamic safety awareness zone would extend up to 50 meters on either side of the vessel and being dynamic in nature, would be transient with the movement of the LNG carrier. This arrangement of tugs also serves as an emergency provision to address contingencies that may require the vessel to stop or engage in manoeuvres at very short notice.</p>
P063.1	06-Mar-2017	M McGilvray Bowen Island	<p>I do not support Woodfibre LNG or anything to do with oil gas LNG in our home Howe Sound. Sealife is coming back to our Sound and this will be a terrible harm to the environmental progress made.</p>	<p>Thank you for your comment. Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited's purchase of the Woodfibre site in February 2015 ensured that the site will meet the industrial standards of today. The Woodfibre site has been home to industrial activity since the early 1900's, and Woodfibre LNG's purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment (MOE). On December 22, 2014, the MOE issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk.</p> <p>As part of the COC process, contaminated upland soils were remediated and the historical on-site asbestos disposal area was closed. To improve fish habitat off the Woodfibre site, approximately 4,900 m³ (490 dump truck loads) of historic wood waste was removed from Howe Sound. This wood waste was used as structural fill in the onsite landfill. The landfill on the Woodfibre property is a permitted sanitary landfill with a leachate treatment system.</p>

				<p>In addition, Woodfibre LNG is committed to going beyond what is required to build a better project. We’ve made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p>
P063.2			<p>Not only that but the safety aspect is terrifying. In Boston Harbour they spend millions each time an LNG ship comes in. This plan has minimal if no security measures in place. This is a short-sighted disaster on so many levels.</p> <p>Fracked gas is itself damaging to the environment and not profitable. We should be concentrating on solar and other renewable energies.</p> <p>Please think of generations ahead other species and our health and safety on this planet not your pocket books.</p>	<p>LNG shipping is safe. In fact, LNG has been shipped for more than 50 years around the world without one incident of loss of containment. It’s also important to know that Howe Sound has been an established shipping route for more than a century, and that it is well suited for the movement of LNG.</p> <p>Subject to the recommendations of Transport Canada’s TERMPOL (Technical Review Process of Marine Terminal Systems and Transshipment Sites) Review Committee, which includes Transport Canada, Pacific Pilotage Authority, BC Coast Pilots and Canadian Coast Guard, Woodfibre LNG has always maintained that it would deploy at least three tugs in an escort pattern, at least one of which will be tethered, to provide a dynamic safety awareness zone for recreational and pleasure craft around the LNG carrier during its transit within Howe Sound. This dynamic safety awareness zone would extend up to 50 meters on either side of the vessel and being dynamic in nature, would be transient with the movement of the LNG carrier. This arrangement of tugs also serves as an emergency provision to address contingencies that may require the vessel to stop or engage in manoeuvres at very short notice.</p>
P064	06-Mar-2017	Anonymous PANDHER	<p>After having read through several reports pertaining to this project I do not feel that it is in the best interest of British Columbians and more importantly the environment. I do not support this project and hope that these comments will be taken into consideration.</p> <p>Regards.</p>	<p>Thank you for your comment.</p> <p>For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about underwater noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we’ve made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p> <p>Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited’s purchase of the Woodfibre site in February 2015 ensured that the site will meet the industrial standards of today. The Woodfibre site has been home to industrial activity since the early 1900’s, and Woodfibre LNG’s purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment (MOE). On December 22, 2014, the MOE issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk.</p> <p>As part of the COC process, contaminated upland soils were remediated and the historical on-site asbestos disposal area was closed. To improve fish habitat off the Woodfibre site, approximately 4,900 m3 (490 dump truck loads) of historic wood waste was removed from Howe Sound. This wood waste was used as structural fill in the onsite landfill. The landfill on the Woodfibre</p>

				property is a permitted sanitary landfill with a leachate treatment system.
P065	08-Mar-2017	Ruth Simons Howe Sound	<p>Further to my previous comments regarding impacts on fish the 2015 Pink Salmon run in Howe Sound was well documented as being a big year for salmon. It is difficult to trust this environmental assessment when there the data is outdated or minimized. An independent study of fish over a number of years on both creeks should be conducted in order to have a true assessment of harm to fish. 2017 is anticipated to be another big year for pink salmon and an independent study should be conducted. Citizen science should be recognized as a valuable source of information and further studies should be required if there is a possibility the data is not comprehensive enough to measure the true impact of the harm to the environment in Howe Sound.</p> <p>The Squamish Streamkeepers as guests of WFLNG to Mill Creek September 2 2015 sent out the following communication to their members. From what I can tell this count of pink salmon is not referenced in the application.</p> <p>"Streamers</p> <p>On Monday Pam Tattersfield Patrick MacNamara and I counted 680 Pinks in Mill creek which bisects the old Woodfibre site. This count would be an underestimation as we couldn't see through the torrents well enough. Thanks go to WLNG for being a good host and providing the boat rides."</p> <p>What will happen to the pink salmon during construction and in the future with the diversion of these creeks? Also what impact will the changes to this project have on herring spawn in the area. The attached photo indicates herring are currently spawning at the mouth of Woodfibre Creek.</p>	<p>Thank you for your comment.</p> <p>Pink salmon presence in both Mill and Woodfibre creeks was identified as part of the Application (Section 5.15), and mitigation measures are proposed to avoid or reduce the potential effects to fish associated with reusing the existing intake on Mill Creek and temporary water withdrawals from Woodfibre Creek during construction. These mitigation measures are well understood and known to be effective.</p> <p>Since submission of the Application in 2015, Woodfibre LNG has engaged registered professional biologists to undertake two years of herring spawn surveys (2015 and 2016) as well as pink salmon fry outmigration sampling on Mill Creek. These surveys will help to inform the monitoring and management plans required as conditions of the Environmental Assessment Certificate and federal Decision Statement.</p> <p>As noted in Section 5.2 of the Amendment, the switch to air cooling will eliminate the potential effects from the seawater cooling on the marine environment, including potential effects on marine water quality, marine benthic habitat, marine fish (including herring and salmon), marine birds and marine mammals.</p> <p>As demonstrated by the quote that you include in your letter, Woodfibre LNG supports the Squamish Streamkeepers and the important work that they do.</p>
P066	08-Mar-2017	Anonymous Squamish	<p>The Squamish community is against this project and yet the Liberal government has ignored our community's pleas to stop foreign investment from disrupting the eco-system we've worked so hard to clean up. Our local economy is based on tourism and our wildlife and local businesses will be paying the price for this project being here. Also the owner of Woodfibre LNG has an appalling track record and it's also very concerning that he donated almost \$180000 to the Liberal government. We want to start having faith in our government again so please do what's right and show us that you are acting on our behalf and not corporate interest.</p>	<p>Thank you for your comment.</p> <p>Woodfibre LNG Limited and Mr. Giraud have made donations, including the purchase of tickets to fundraisers, to various political parties and candidates. Woodfibre LNG and Mr. Giraud have always been up front and transparent in reporting any donations. We will cooperate fully with any investigation. Until any such investigation is complete, we are advised not to make any further public comments.</p> <p>Woodfibre LNG Limited is of the view that tourism and industry can work together to create responsible economic development in Squamish. BC Ferries and Squamish Terminals have shown how industry can successfully coexist with local tourism and recreation, and Woodfibre LNG Limited is working hard to follow that example.</p> <p>Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited’s purchase of the Woodfibre site in February 2015 ensured that the site will meet the industrial standards of today. The Woodfibre site has been home to industrial activity since the early 1900’s, and Woodfibre LNG’s purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment (MOE). On December 22, 2014, the MOE issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk.</p> <p>As part of the COC process, contaminated upland soils were remediated and the historical on-site asbestos disposal area was closed. To improve fish habitat off the Woodfibre site, approximately</p>

				<p>4,900 m3 (490 dump truck loads) of historic wood waste was removed from Howe Sound. This wood waste was used as structural fill in the onsite landfill. The landfill on the Woodfibre property is a permitted sanitary landfill with a leachate treatment system.</p> <p>In addition, for more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC. For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about marine noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we’ve made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p> <p>Environmental Assessment Office response:</p> <p>The Environmental Assessment Office (EAO) is a neutrally administered office that is required by law to assess the potential significant environmental, economic, social, heritage, and health adverse effects of proposed major projects in BC. Reviews are undertaken under the independent statutory authority of the EAO’s Executive Director and conducted by nonpartisan public servants in the organization.</p> <p>The EAO reviews and considers all relevant matters – including those raised by Aboriginal groups, communities and the public – absent of any undue influence. The EA for the Woodfibre LNG Project was no exception.</p>
P067	08-Mar-2017	Anonymous Squamish	<p>If people don't live in our community their opinions should not be taken into consideration. They don't have to live with the tankers and see what it does to our local economy and environment. This idea that it creates jobs is really starting to be tiresome. Why not invest the subsidies we are giving to oil companies to produce Canadian owned jobs in Green energy. Our country has been sold to foreign investors and we won't stand for Squamish being owned by a Malaysian billionaire.</p>	<p>Thank you for your comment.</p> <p>For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p> <p>For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about marine noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we’ve made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p> <p>Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited’s purchase of the Woodfibre site in February 2015 ensured that the site will meet the industrial standards of today. The Woodfibre site has been home to industrial activity since the early 1900’s, and Woodfibre LNG’s purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment</p>

				<p>(MOE). On December 22, 2014, the MOE issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk.</p> <p>As part of the COC process, contaminated upland soils were remediated and the historical on-site asbestos disposal area was closed. To improve fish habitat off the Woodfibre site, approximately 4,900 m3 (490 dump truck loads) of historic wood waste was removed from Howe Sound. This wood waste was used as structural fill in the onsite landfill. The landfill on the Woodfibre property is a permitted sanitary landfill with a leachate treatment system.</p>
P068	08-Mar-2017	Anonymous	<p>Please do not destroy our ecosystem and wildlife habitat any more than you already have. Please stop the LNG fibre. Lets keep our resources for future generations to enjoy. Most other continents have already destroyed their wilderness. Let's preserve what we have left and learn from their mistakes</p>	<p>Thank you for your comment.</p> <p>Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited’s purchase of the Woodfibre site in February 2015 ensured that the site will meet the industrial standards of today. The Woodfibre site has been home to industrial activity since the early 1900’s, and Woodfibre LNG’s purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment (MOE). On December 22, 2014, the MOE issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk.</p> <p>As part of the COC process, contaminated upland soils were remediated and the historical on-site asbestos disposal area was closed. To improve fish habitat off the Woodfibre site, approximately 4,900 m3 (490 dump truck loads) of historic wood waste was removed from Howe Sound. This wood waste was used as structural fill in the onsite landfill. The landfill on the Woodfibre property is a permitted sanitary landfill with a leachate treatment system.</p> <p>In addition, for more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p> <p>For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about marine noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we’ve made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p>
P069	08-Mar-2017	Bill Piers Calgary, Alberta	<p>I support Woodfibre's request to amend their project plan so the LNG plant is cooled by air instead of sea water. In making this amendment Woodfibre LNG is not only demonstrating their commitment to build a better project but also is addressing the concerns and recommendations of the Squamish Nation. Woodfibre LNG is an example of responsible resource development that will have long term benefits for the local community and BC's economy. The \$1.8 billion in investment will bring 650 construction jobs and 100 full-time</p>	<p>Thank you for taking the time to show your support for the Woodfibre LNG Project</p>

			jobs to Squamish along with more than \$80 million a year in tax revenue.	
P070	08-Mar-2017	Anonymous Squamish	More proof that WLNG are listening and reacting in a positive manner. They've spent millions in cleaning up an industrial wasteland and have helped revive the Howe Sound. This project will support the local economy bring professional careers to town and help the world reduce emissions? Tourism and industry need to work together- look at North Van. Make this happen already!!	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We’ve made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P071	08-Mar-2017	Anonymous	I stand against the project due to the environmental impacts on the loss of fish bearing streams and long term carbon damage from the methane leaks during extraction pipeline problems burning fossil fuels.	<p>Thank you for your comment.</p> <p><i>Environment</i> For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC. For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about marine noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we’ve made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p> <p><i>Fish</i> Removal of the seawater cooling system will eliminate some of the interactions that were identified and assessed in the Application, including on marine fish. The mitigation measures committed to in the Application, and required by the federal and provincial environmental conditions, will be implemented, and the characterization of the residual changes or effects does not change. Salmon presence in both Mill and Woodfibre creeks was identified as part of the Application (Section 5.15), and mitigation measures are proposed to avoid or reduce the potential effects to fish associated with reusing the existing intake on Mill Creek and temporary water withdrawals from Woodfibre Creek during construction. These mitigation measures are well understood and known to be effective.</p> <p>As noted in Section 5.2 of the Amendment, the switch to air cooling will eliminate the potential effects from the seawater cooling on the marine environment, including potential effects on marine water quality, marine benthic habitat, marine fish (including herring and salmon), marine birds and marine mammals.</p>
P072	09-Mar-2017	Davina Dube Squamish	I oppose the Woodfibre LNG because it will degrade the beautiful and rich ecosystem in the Howe Sound. I feel the biodiversity and habitat as well as the salmon runs are far more important to our community than this facility. Considering all the investment the government has put in the recovery of the Howe Sound with tax payers money it seems ridiculous to destroy it all over again. For the future of our planet and children I stand up AGAINST the Woodfibre LNG.	<p>Thank you for your comment.</p> <p><i>Environment</i> Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited took ownership of the Woodfibre site in February of 2015. The Woodfibre site has been home to industrial activity since the early 1900’s, and Woodfibre LNG’s purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment (MOE). On December 22, 2014, the MOE</p>

				<p>issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk.</p> <p>As part of the COC process, contaminated upland soils were remediated and the historical on-site asbestos disposal area was closed. To improve fish habitat off the Woodfibre site, approximately 4,900 m3 (490 dump truck loads) of historic wood waste was removed from Howe Sound. This wood waste was used as structural fill in the onsite landfill. The landfill on the Woodfibre property is a permitted sanitary landfill with a leachate treatment system.</p> <p><i>Fish</i></p> <p>Salmon presence in both Mill and Woodfibre creeks was identified as part of the Application (Section 5.15), and mitigation measures are proposed to avoid or reduce the potential effects to fish associated with reusing the existing intake on Mill Creek and temporary water withdrawals from Woodfibre Creek during construction. These mitigation measures are well understood and known to be effective.</p> <p>As noted in Section 5.2 of the Amendment, the switch to air cooling will eliminate the potential effects from the seawater cooling on the marine environment, including potential effects on marine water quality, marine benthic habitat, marine fish (including salmon), marine birds and marine mammals.</p>
P074	09-Mar-2017	Dr. Hugh Freeman Bowen Island, BC	<p>I find it very troubling that this process has been flawed. It is not clear to me why my earlier comments were never posted on this issue.</p> <p>Now we learn that the BC Liberal government has been accepting donations (i.e. over \$150000) from the Howe Sound LNG proponents. This has never been a fair process. And it ignores the wishes of the vast majority of the public that live in the area concerned. It is very disheartening.</p>	<p>Thank you for your comment.</p> <p>Woodfibre LNG Limited and Mr. Giraud have made donations, including the purchase of tickets to fundraisers, to various political parties and candidates. Woodfibre LNG and Mr. Giraud have always been up front and transparent in reporting any donations. We will cooperate fully with any investigation. Until any such investigation is complete, we are advised not to make any further public comments.</p> <p>For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p> <p>For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about marine noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we’ve made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p> <p>Environmental Assessment Office response:</p> <p>The Environmental Assessment Office (EAO) is a neutrally administered office that is required by</p>

				<p>law to assess the potential significant environmental, economic, social, heritage, and health adverse effects of proposed major projects in BC. Reviews are undertaken under the independent statutory authority of the EAO’s Executive Director and conducted by nonpartisan public servants in the organization.</p> <p>The EAO reviews and considers all relevant matters – including those raised by Aboriginal groups, communities and the public – absent of any undue influence. The EA for the Woodfibre LNG Project was no exception.</p>
P075	09-Mar-2017	Dr. Hugh Freeman Bowen Island	<p>Howe Sound should become a marine preservation area not an industrial wastebasket. I am very disturbed that this proposal will have a negative impact on the marine mammals in Howe Sound along with food fish that have now returned. I am not convinced that the LNG proponents have studied this issue appropriately nor am I convinced that there will be truly an economic benefit to BC compared to the economic benefit lost from local tourism. The process has also been flawed by the acceptance of donations from the LNG industry to the BC Liberal party.</p> <p>I am opposed to LNG in Howe Sound.</p>	<p>Thank you for your comment.</p> <p>Woodfibre LNG Limited and Mr. Giraud have made donations, including the purchase of tickets to fundraisers, to various political parties and candidates. Woodfibre LNG and Mr. Giraud have always been up front and transparent in reporting any donations. We will cooperate fully with any investigation. Until any such investigation is complete, we are advised not to make any further public comments.</p> <p><i>Environment</i></p> <p>Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited took ownership of the Woodfibre site in February of 2015. The Woodfibre site has been home to industrial activity since the early 1900’s, and Woodfibre LNG’s purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment (MOE). On December 22, 2014, the MOE issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk. For more information, please see Section 5.7 Site Contamination of the Application. Copies of the two COCs are also available in Appendix 5.7-1 of the Application.</p> <p><i>Employment</i></p> <p>Woodfibre LNG anticipates sourcing the majority of its direct construction employment, approximately 60% (1,067 FTE jobs) from the local labour force (Metro Vancouver to Whistler). Squamish’s labour force totaled 10,270 workers in 2011 (Statistics Canada), and the construction industry was the largest labour force sector in Squamish with 1,430 workers (14.0%). Given the large pool of workers in Metro Vancouver (1,363,300 workers in 2013), it is anticipated that Metro Vancouver would be the main source of construction workers, accounting for approximately 55% of direct construction employment.</p> <p>Woodfibre LNG will develop a Local Hiring Strategy, a Local Training Strategy and Local and Regional Procurement Strategy in order to ensure that the local workforce and economy can realize the potential economic benefits of the Project. These strategies will ensure that the labour force is well-positioned to seek Project employment based on individual capacities to supply needed skills; maximize employment opportunities for residents in Squamish, Whistler and Metro Vancouver; and ensure that local and regional businesses can access the benefits of increased demand for goods and services from the Project.</p>
P076	09-Mar-2017	Ruth Simons	<p>I understand the change from Sea Water Cooling to Air Cooling will alter the production. This will likley impact the frequency of LNG tanker movements through Howe Sound</p>	<p>Thank you for your comment.</p>

		<p>Howe Sound</p> <p>possibly more tankers during the busy summer months. It would be an opportunity to review the safety aspects of this project considering Transport Canada is currently conducting the TERMPOL review.</p> <p>This comment relates back to the Howe Sound Community's concerns about the siting of an LNG terminal at the head of Howe Sound and concerns about the final conclusions by the EAO that affect safety. This could be the first project on the West Coast of Canada that brings LNG carriers into our waters. The assessment of this risk is still under development in this country and Howe Sound is not the location for this experiment.</p> <p>On page 152 of the final Assessment Report prepared by the Environmental Assessment Office August 19 2015 this short comment: "TC reviewed the memo and expressed no major concerns with the material" the EAO concluded Woodfibre met all the conditions of the SIGTTO risk reduction measures. Woodfibre's responses to the SIGTTO conditions clearly did not satisfy all of the risk reduction measures a major concern for communities along the shipping route. Even though I quoted examples to the EAO after finding the report had been posted online at the end of the review process I received a reply from the EAO that said "should Lions Bay have any further concerns to take it up with the proponent."</p> <p>This brushing off of Howe Sound Community's concerns and lack of responsibility for ensuring safety risks were properly assessed by the BCEAO gives me little faith in this process.</p> <p>Attached is a report on those responses that I submitted to Transport Canada in January 2016. The implementation of recommendations resulting from the TERMPOL review by Transport Canada should have been made a condition of the EA certificate. Instead the condition only requires the TERMPOL report to be made public. Since the TERMPOL review for Woodfibre only began in January 2017 the public will not see the report for some time. It is difficult to know which agency of government is taking ultimate responsibility for public safety regarding LNG carriers since Transport Canada does not have specific safety regulations for LNG carriers.</p> <p>This is page 129 from the EAO Report:</p> <p>"Concerns were raised by the District of West Vancouver the Village of Lions Bay and the general public regarding the siting of the proposed facility and whether the site would be located in a "narrow waterway" that would be unsafe for an LNG carrier. Many comments from the local governments and general public cited the Society of International Gas Tanker & Terminal Operators Ltd's (SIGTTO) guidance and TERMPOL for guidance in siting an LNG facility. EAO requested additional information from the Proponent to demonstrate how the SIGTTO siting criteria would be met by the proposed Project. The Proponent prepared a memo (Woodfibre LNG Limited Response to SIGTTO LNG Ports and Risk Reduction Options August 2015) in response. TC reviewed the memo and expressed no major concerns with the material. The Proponent stated that the information referenced in the memo is also part of the studies which will be submitted to TC Pacific Pilotage Authority and BC Coast Pilots under TERMPOL. "</p> <p>This is an opportunity to revisit this condition of the certificate it would be appropriate to reconfirm with Transport Canada that all risk reduction measures will be satisfied.</p>	<p>LNG Shipping activities will include transit of up to 40 LNG carriers per year (three to four calls per month) as described in Section 2.2.7.2.2 of the Application. The number of carriers is not expected to change with the potential reduction in LNG production, and the shipping portion of the Project is therefore excluded from the Amendment Application.</p> <p>To clarify, LNG carriers associated with the Woodfibre LNG Project will comply with the following:</p> <p>Canada Shipping Act, 2001 (CSA, 2001): The principal law that governs safety in marine transportation, including the protection of the marine environment.</p> <ul style="list-style-type: none">• Seeks to balance shipping safety and marine environment protection while encouraging maritime commerce.• Applies to all vessels operating in Canadian waters and Canadian vessels worldwide and in some cases, to foreign vessels, up to the exclusive economic zone. <p>Under the Canadian Shipping Act, 2001</p> <ul style="list-style-type: none">• Ballast Water Control and Management Regulations• Collision Prevention Regulations• Vessel Pollution Reduction and Dangerous Chemicals Regulations• Vessel Traffic Services Zones Regulations• Bridge-to-bridge Radiotelephone Practices and Procedures Regulations <p>Fisheries Act: An Act to protect the productivity of recreational, commercial, and Aboriginal fisheries.</p> <p>Marine Liability Act (MLA): Principal law dealing with ship owner and vessel operator liability towards passengers, cargo, pollution, and property damage.</p> <p>Pilotage Act: This law establishes four pilotage authorities that operate, maintain, and administer a safe and efficient pilotage service within their respective regions (Atlantic, Laurentian, Great Lakes, and Pacific Pilotage Authorities), and allows pilotage authorities to establish, with the approval of the Governor in Council, compulsory pilotage areas in which ships must bring pilots on board.</p> <p>Port State Control: The inspection of foreign vessels in national ports to verify that they meet major international conventions related to condition and equipment as well as crew and operations. In Canada, inspections determine compliance with the conventions that Canada has implemented.</p> <p>TERMPOL</p> <ul style="list-style-type: none">• Transport Canada's Technical Review Process of Marine Terminal Systems and Transshipment Sites (TERMPOL) is an extensive, voluntary process focusing on vessel safety and vessel operation in Canadian waters along proposed shipping route.• TERMPOL review committee (TRC) includes representatives from Transport Canada Marine Safety, Fisheries and Oceans Canada (DFO), Environment Canada, Canadian Coast Guard, Pacific Pilotage Authority, and other stakeholders and subject matter experts.• TERMPOL review committee issues project specific recommendations, which Woodfibre
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P077	09-Mar-2017	Paul Kurbis Burnaby/Nanaimo	I support the development and building of LNG infrastructure. It is time to get our resources to the WORLD markets. I am extremely frustrated and getting very angry with a very vocal minority of special interest groups AND paid protesters from foreign sources. SUPPORT BC LNG!	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We’ve made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P078	10-Mar-2017	Anonymous	Public comment received by mail from Independent Contractors and Businesses Association of BC posted by EAO	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P079.1	10-Mar-2017	Ruth Simons Howe Sound	In February the Vancouver Aquarium's Coastal Ocean Research Institute published OceanWatch Report - Howe Sound Edition. www.oceanwatch.ca . This 364 page report is relevant to the environmental assessment of the Woodfibre LNG Project. The Ocean Health Index concludes the recovery of Howe Sound is vulnerable. Changes to the Woodfibre project to Air Cooling will affect the flow of water in Mill Creek and Woodfibre Creek and directly impact fish. Salmon in Howe Sound is rated as critical. The author of this chapter is Emeritus Scientist Fisheries and Oceans Canada.	<p>Thank you for your comment.</p> <p>The air cooling system selected by the Squamish Nation does not require the use of water.</p>
P079.2			This report references Mill Creek as a stream Chum Salmon use. The Hemerra report states there will not be impacts to Marine Fish a value component introduced for this amendment. Is the fish data used for this assessment consistent with the data known by the author of this chapter? How would there be no impact to Chum Salmon a marine fish? Any negative impacts to fish in Howe Sound should not be permitted. New projects in Howe Sound should contribute to the health of marine life and the ongoing recovery of the	<p>For clarity, the name ‘Forage Fish and Other Fish (Marine)’ was shortened to just Marine Fish in the Amendment Application. This was done in response to feedback that the original name of the VC was confusing.</p> <p>Salmon are an anadromous (i.e., have both freshwater and marine lifestages), and potential effects associated with surface water withdrawals are considered as part of the Freshwater Fish</p>

			<p>Sound. http://vancouversun.com/news/local-news/howe-sound-ecology-improving-but-remains-under-threat-vancouver-aquarium-report-finds</p>	<p>VC (Section 6.7 of the Amendment Application.</p> <p>Chum salmon presence in Mill Creek was identified as part of the Application (Section 5.15). The Amendment Application (Section 6.7) describes the mitigation measures proposed to avoid or reduce the potential effects to fish associated with reusing the existing intake on Mill Creek and temporary water withdrawals from Woodfibre Creek during construction. These mitigation measures are well understood and known to be effective.</p>
P080.1	10-Mar-2017	Betty Morton Bowen Island	<p>The following comments pertain to changes in the Woodfibre LNG project submitted in their Amendment Application. Specifically the changes that resulted from the Squamish Nation decision to require air-cooling in place of the originally proposed seawater-cooling system. According to the proponent these changes include:</p> <ul style="list-style-type: none">- Changing the cooling technology from seawater cooling to air cooling;- Using the existing Mill Creek intake including screenhouse flume and penstock as an alternative to constructing a new intake for water withdrawals; and- Using Woodfibre Creek for short-term water needs during construction <p>This will mean that several key Value Components (VCs) assessed under the previous seawater-cooling approach have changed. Principal among them will be physical footprint and noise although other VCs (e.g. Avifauna Marine Birds Marine Benthic Habitat Forage Fish and Other Fish (Marine) Atmospheric Environment (ground level ozone) Visual Quality (principally fog) are also affected.</p> <p>Physical Footprint: In its report the Proponent noted the greatly expanded footprint required for the multiple cooling fans required of an air-cooled system. Measuring at least 3250 M2 it may exceed the area available for building keeping in mind that the EA certificate specified that the concrete cap on the extensive and leaking toxic waste and asbestos dump area must not be disturbed.</p> <p>Noise: Noise levels from the cooling fans will be significantly higher than with seawater cooling. Electrically powered fans produce an annoying high-pitched whine which in the narrow Woodfibre valley will be reflected and will echo loudly throughout Howe Sound. Based on studies from other air-cooled facilities it is likely that noise from the proposed air-cooling turbines will not comply with BC's or Squamish's noise bylaws. If so it brings into question the original exclusion of Real Estate values as a project VC. Woodfire's own website claims that "seawater cooling produces less noise and visual effects than air-cooling."</p>	<p>Thank you for your comment.</p> <p>The environmental components that have the potential to be adversely affected by the proposed Project changes were identified and assessed in Section 6.0 of the Amendment Application. The VCs included avifauna, atmospheric environment, and visual quality. As noted in Section 5.2 of the Amendment, the switch to air cooling will eliminate the potential effects from the seawater cooling on the marine environment, including potential effects on marine water quality, marine benthic habitat, marine fish (including herring and salmon), marine birds and marine mammals.</p> <p>Noise modelling was undertaken and is provided in Section 6.1 of the Amendment Application. This modelling shows that the noise generated by the LNG facility will remain below OGC Guidelines, and reduce to background levels at about 1.5 km from the facility. For a comparison, downtown Squamish is located approximately 7 km from the Woodfibre LNG Project site. The District of Squamish noise bylaw is a nuisance-based bylaw. Because the changes in atmospheric sound will comply with OGC Guideline, the nuisance-based bylaw is expected to be satisfied. Further, the noise modelling shows that the noise will be within the range assessed in the Application, therefore there will be no additional noise effects on wildlife (e.g., birds).</p> <p>The air cooling system will be installed on the top of the LNG facility (train) and there will be no additional Project footprint required. The air cooling system selected for the Project by Squamish Nation does not require freshwater spray. Heat from the fans is the only emission associated with the air cooling system.</p>
P080.2			<p>Concurrent with this cooling-system change Woodfibre LNG submitted a request to the National Energy Board for a 40-year export license. That request if approved would replace the 25-year one approved in 2014 with a 60% increase of total LNG exports hazards and environmental damage. The 2016 EA certificate granted to the facility was based on the 25-year cumulative impact on Howe Sound. The cumulative damage done to the Sound by a 40-year tenancy would be at least 60% greater than was approved in the EA certificate. That is a staggeringly large material change that must be considered in parallel with the change to the cooling system.</p>	<p>In Section 2.2.7 of the Application, Woodfibre LNG Limited disclosed that the life of the Project (i.e., length of the export permit) could be extended or renewed. All of the commitments made in the Application, including the regulatory conditions, plans and permits required for construction and operation, will remain in effect for the life of the Project, whether it's 25 or 40 years.</p>
P080.3			<p>The Woodfibre LNG proposal is vigorously opposed by Howe Sound residents concerned about the negative impacts on the ecology of Howe Sound and negative contributions to Global Warming. Further we are concerned that the negative environmental impacts of the Woodfibre project will degrade the Howe Sound watershed that provides an estimated</p>	<p>For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We've taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for</p>

			<p>\$800 million to \$4.7 billion in natural services to the region each year according to a report released by the David Suzuki Foundation. The negative local impacts combined with a 40 year permit are unconscionable and an entirely unacceptable risk to both the local population and the planet.</p>	<p>responsible economic development in BC.</p> <p>For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about marine noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we’ve made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p>
P081.1	10-Mar-2017	Anonymous Gambier Island	<p>I continue to be opposed to the Woodfibre LNG project.</p> <p>Howe Sound is a beautiful and rich ecosystem with growing biodiversity. We are only now recovering from decades of industrial pollution and we have spent millions of taxpayer dollars cleaning up these toxic legacies from industry. We're seeing the herring return and the whales and dolphins are following them after 50 years away from Howe Sound. Howe Sound is creating a sustainable future for itself by becoming a recreation site and tourist destination. Woodfibre LNG would change this trajectory. This project does not fit our values.</p>	<p>Thank you for your comment.</p> <p>Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited took ownership of the Woodfibre site in February of 2015. The Woodfibre site has been home to industrial activity since the early 1900’s, and Woodfibre LNG’s purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment (MOE). On December 22, 2014, the MOE issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk.</p> <p>In addition, for more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC. As noted in Section 5.2 of the Amendment, the switch to air cooling will eliminate the potential effects from the seawater cooling on the marine environment, including potential effects on marine water quality, marine benthic habitat, marine fish (including herring), marine birds and marine mammals.</p>
P081.2			<p>Howe Sound is a narrow fjord. The area is known for its strong winds and huge (15') tides. The Society of International Gas Tanker and Terminal Operators the LNG industry's Standards of Operations strongly recommends against siting a facility in close proximity to human populations and having LNG tankers traverse significant commercial recreational and ferry marine traffic. Long narrow inland waterways are to be avoided due to greater navigation risk. It does not appear that Woodfibre LNG or the BC government is adhering to these standards. The safety risk of trying to navigate through the narrow sound puts the lives of the community at risk. The high danger zones for 1600 metres on either side of the LNG tanker are highly populated areas.</p> <p>"Concerns were raised by the District of West Vancouver the Village of Lions Bay and the general public regarding the siting of the proposed facility and whether the site would be located in a ‘narrow waterway’ that would be unsafe for an LNG carrier. Many comments from the local governments and general public cited the Society of International Gas Tanker & Terminal Operators Ltd's (SIGTTO) guidance and TERMPOL for guidance in siting an LNG facility. EAO requested additional information from the Proponent to demonstrate how the SIGTTO siting criteria would be met by the proposed Project. The Proponent prepared a memo (Woodfibre LNG Limited Response to SIGTTO LNG Ports and Risk Reduction Options</p>	<p>As described in the frequently asked questions document from the Application review (<i>Proposed Woodfibre LNG Project Frequently Asked Questions</i> https://projects.eao.gov.bc.ca/p/woodfibre-lng/docs?folder=123), siting of the Woodfibre LNG facility complies in every way with the Society of International Gas Tanker & Terminal Operators Ltd’s (SIGTTO) guidance as the location of the site is not within a narrow waterway as defined by SIGTTO and TERMPOL (Technical Review Process of Marine Terminal Systems and Transshipment Sites).</p>

			<p>August 2015) in response. TC reviewed the memo and expressed no major concerns with the material. The Proponent stated that the information referenced in the memo is also part of the studies which will be submitted to TC Pacific Pilotage Authority and BC Coast Pilots under TERMPOL. " (EAO Report p. 129)</p> <p>Has Transport Canada done any further reviews of the information provided by Woodfibre? How is Transport Canada reconciling these safety concerns?</p>	
P081.3			<p>In addition Woodfibre has applied to the National Energy Board for a 40-year export license. If approved this would extend beyond the proposed 25-year life of the plant increasing tanker traffic and safety risks.</p> <p>Forty year cumulative environmental impacts on Howe Sound have not been considered. The 2015-2016 Environmental Assessment examined only some aspects of the environmental impact of Woodfibre LNG over its proposed 25-year expected lifetime. Extending those impacts to 40 years creates a 60% increase in Cumulative Impacts and has not been estimated at all.</p> <p>Please do not let this project move forward; say no to this project.</p>	<p>In Section 2.2.7 of the Application, Woodfibre LNG Limited disclosed that the life of the Project (i.e., length of the export permit) could be extended or renewed. All of the commitments made in the Application, including the regulatory conditions, plans and permits required for construction and operation, will remain in effect for the life of the Project, whether it's 25 or 40 years.</p>
P082.1	10-Mar-2017	Anonymous	<p>I continue to be opposed to the Woodfibre LNG project.</p> <p>Howe Sound is a beautiful and rich ecosystem with growing biodiversity. We are only now recovering from decades of industrial pollution and we have spent millions of taxpayer dollars cleaning up these toxic legacies from industry. We're seeing the herring return and the whales and dolphins are following them after 50 years away from Howe Sound. Howe Sound is creating a sustainable future for itself by becoming a recreation site and tourist destination. Woodfibre LNG would change this trajectory. This project does not fit our values.</p>	<p>Thank you for your comment.</p> <p>Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited took ownership of the Woodfibre site in February of 2015. The Woodfibre site has been home to industrial activity since the early 1900's, and Woodfibre LNG's purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment (MOE). On December 22, 2014, the MOE issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk.</p> <p>In addition, for more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We've taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p>
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			<p>SIGTTO siting criteria would be met by the proposed Project. The Proponent prepared a memo (Woodfibre LNG Limited Response to SIGTTO LNG Ports and Risk Reduction Options August 2015) in response. TC reviewed the memo and expressed no major concerns with the material. The Proponent stated that the information referenced in the memo is also part of the studies which will be submitted to TC Pacific Pilotage Authority and BC Coast Pilots under TERMPOL. " (EAO Report p. 129)</p> <p>Has Transport Canada done any further reviews of the information provided by Woodfibre? How is Transport Canada reconciling these safety concerns?</p>	
P082.3			<p>In addition Woodfibre has applied to the National Energy Board for a 40-year export license. If approved this would extend beyond the proposed 25-year life of the plant increasing tanker traffic and safety risks.</p> <p>Forty year cumulative environmental impacts on Howe Sound have not been considered. The 2015-2016 Environmental Assessment examined only some aspects of the environmental impact of Woodfibre LNG over its proposed 25-year expected lifetime. Extending those impacts to 40 years creates a 60% increase in Cumulative Impacts and has not been estimated at all.</p> <p>Please do not let this project move forward; say no to this project.</p>	<p>In Section 2.2.7 of the Application, Woodfibre LNG Limited disclosed that the life of the Project (i.e., length of the export permit) could be extended or renewed. All of the commitments made in the Application, including the regulatory conditions, plans and permits required for construction and operation, will remain in effect for the life of the Project, whether it's 25 or 40 years.</p>
P083.1	10-Mar-2017	Elizabeth Stevenson Vancouver, BC	<p>I continue to be opposed to the Woodfibre LNG project.</p> <p>Howe Sound is a beautiful and rich ecosystem with growing biodiversity. We are only now recovering from decades of industrial pollution and we have spent millions of taxpayer dollars cleaning up these toxic legacies from industry. We're seeing the herring return and the whales and dolphins are following them after 50 years away from Howe Sound. Howe Sound is creating a sustainable future for itself by becoming a recreation site and tourist destination. Woodfibre LNG would change this trajectory. This project does not fit our values.</p>	<p>Thank you for your comment.</p> <p>Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited took ownership of the Woodfibre site in February of 2015. The Woodfibre site has been home to industrial activity since the early 1900's, and Woodfibre LNG's purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment (MOE). On December 22, 2014, the MOE issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk.</p> <p>In addition, for more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We've taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p>
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				<p>signatory to SOLAS.</p> <p>SIGTTO: An international organization through which all industry participants can share experiences, address common problems, and derive agreed criteria for best practices and acceptable standards. Woodfibre LNG is an associate member of SIGTTO.</p>
P083.3			<p>In addition Woodfibre has applied to the National Energy Board for a 40-year export license. If approved this would extend beyond the proposed 25-year life of the plant increasing tanker traffic and safety risks.</p> <p>Forty year cumulative environmental impacts on Howe Sound have not been considered. The 2015-2016 Environmental Assessment examined only some aspects of the environmental impact of Woodfibre LNG over its proposed 25-year expected lifetime. Extending those impacts to 40 years creates a 60% increase in Cumulative Impacts and has not been estimated at all.</p> <p>Please do not let this project move forward; say no to this project.</p>	<p>In Section 2.2.7 of the Application, Woodfibre LNG Limited disclosed that the life of the Project (i.e., length of the export permit) could be extended or renewed. All of the commitments made in the Application, including the regulatory conditions, plans and permits required for construction and operation, will remain in effect for the life of the Project, whether it's 25 or 40 years.</p>
P084	10-Mar-2017	Anonymous Vancouver, BC	<p>I fully support the Woodfibre LNG Project and proposed change from sea water cooling to air cooling</p>	<p>Thank you for taking the time to show your support for the Woodfibre LNG Project.</p> <p>Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p>
P085	10-Mar-2017	Fitch Cady Bowen Island BC	<p>Please see attached PDF</p>	<p>Thank you for your comment.</p> <p>As described in the frequently asked questions document from the Application review (<i>Proposed Woodfibre LNG Project Frequently Asked Questions</i> https://projects.eao.gov.bc.ca/p/woodfibre-lng/docs?folder=123), siting of the Woodfibre LNG facility complies in every way with the Society of International Gas Tanker & Terminal Operators Ltd's (SIGTTO) guidance as the location of the site is not within a narrow waterway as defined by SIGTTO and TERMPOL (Technical Review Process of Marine Terminal Systems and Transshipment Sites).</p>
P086.1	11-Mar-2017	Rudi and Gillian Darling Kovanic Bowen Island, Howe Sound	<p>We continue to be strongly opposed to the Woodfibre LNG plant proposed for Howe Sound. The following comments pertain to changes in the Woodfibre LNG project submitted in their Amendment Application. Specifically the changes that resulted from the Squamish Nation decision to require air-cooling in place of the originally proposed seawater-cooling system. According to the proponent these changes include:</p> <ul style="list-style-type: none"> - Changing the cooling technology from seawater cooling to air cooling; - Using the existing Mill Creek intake including screenhouse flume and penstock as an alternative to constructing a new intake for water withdrawals; and - Using Woodfibre Creek for short-term water needs during construction <p>This will mean that several key Value Components (VCs) assessed under the previous seawater-cooling approach have changed. Principal among them will be physical footprint and noise although other VCs (e.g. Avifauna Marine Birds Marine Benthic Habitat Forage Fish and Other Fish (Marine) Atmospheric Environment (ground level ozone) Visual Quality (principally fog) are also affected.</p> <p>Physical Footprint: In its report the Proponent noted the greatly expanded footprint</p>	<p>Thank you for your comment.</p> <p>The environmental components that have the potential to be adversely affected by the proposed Project changes were identified and assessed in Section 6.0 of the Amendment Application. The environmental components included Avifauna, Atmospheric Environment, and visual quality. And as noted in Section 5.2 of the Amendment, the switch to air cooling will eliminate the potential effects from the seawater cooling on the marine environment, including potential effects on marine water quality, marine benthic habitat, marine fish (including herring and salmon), marine birds and marine mammals.</p> <p>Noise modelling was undertaken and is provided in Section 6.1 of the Amendment Application. This modelling shows that the noise generated by the LNG facility will remain below OGC Guidelines, and reduces to background levels at about 1.5 km from the facility. The District of Squamish noise bylaw is a nuisance-based bylaw. Because the changes in atmospheric sound will comply with OGC Guideline, the nuisance-based bylaw is expected to be satisfied. Further, the</p>

			<p>required for the multiple cooling fans required of an air-cooled system. Measuring at least 3250 M2 it may exceed the area available for building keeping in mind that the EA certificate specified that the concrete cap on the extensive and leaking toxic waste and asbestos dump area must not be disturbed.</p> <p>Noise: Noise levels from the cooling fans will be significantly higher than with seawater cooling. Electrically powered fans produce an annoying high-pitched whine which in the narrow Woodfibre valley will be reflected and will echo loudly throughout Howe Sound. Based on studies from other air-cooled facilities it is likely that noise from the proposed air-cooling turbines will not comply with BC's or Squamish's noise bylaws. If so it brings into question the original exclusion of Real Estate values as a project VC. Woodfire's own website claims that "seawater cooling produces less noise and visual effects than air-cooling."</p>	<p>noise modelling shows that the noise will be within the range assessed in the Application, therefore there will be no additional noise effects on wildlife (e.g., birds).</p> <p>The air cooling system will be installed on the top of the LNG facility (train) and there will be no additional Project footprint required. The air cooling system selected for the Project by Squamish Nation does not require freshwater spray. Heat from the fans is the only emission associated with the air cooling system.</p>
P086.2			<p>Concurrent with this cooling-system change Woodfibre LNG submitted a request to the National Energy Board for a 40-year export license. That request if approved would replace the 25-year one approved in 2014 with a 60% increase of total LNG exports hazards and environmental damage. The 2016 EA certificate granted to the facility was based on the 25-year cumulative impact on Howe Sound. The cumulative damage done to the Sound by a 40-year tenancy would be at least 60% greater than was approved in the EA certificate. That is a staggeringly large material change that must be considered in parallel with the change to the cooling system.</p>	<p>In Section 2.2.7 of the Application, Woodfibre LNG Limited disclosed that the life of the Project (i.e., length of the export permit) could be extended or renewed. All of the commitments made in the Application, including the regulatory conditions, plans and permits required for construction and operation, will remain in effect for the life of the Project, whether it's 25 or 40 years.</p>
P086.3			<p>The Woodfibre LNG proposal is vigorously opposed by Howe Sound residents including ourselves concerned about the negative impacts on the ecology of Howe Sound and negative contributions to Global Warming. Further we are concerned that the Woodfibre project will degrade the Howe Sound watershed which provides an estimated \$800 million to \$4.7 billion in natural services to the region each year according to a report released by the David Suzuki Foundation. The negative local impacts combined with a 40 year permit are unconscionable and an entirely unacceptable risk to both the local population and the planet.</p>	<p>For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We've taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p> <p>For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about marine noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we've made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p>

P087	11-Mar-2017	Anonymous BC	I'm really disappointed in the way this government continues to extract natural resources without any serious regard to climate change. It's clear this process isn't about protecting the environment only keeping up appearances. Why is this government ignoring solar wind geothermal etc? There is so much potential for jobs in these other areas that does not take on the risk of shipping and burning more fossil fuels. Please reconsider this project and listen to what the communities are telling you.	<p>Thank you for your comment.</p> <p>Woodfibre LNG Limited is of the view that natural gas – the cleanest burning fossil fuel – is the best and most reliable way to help transition away from high-emission fuels such as coal. This is particularly true in energy-hungry Asian markets, where Woodfibre LNG plans to sell its product. In fact, replacing just one 500 Megawatt coal-fired power plant with natural gas fueled power generation for one year, equates to taking 557,000 cars off the roads*.</p> <p>The Woodfibre LNG Project will be powered by electricity provided by BC Hydro. By powering the plant with electricity, instead of natural gas, greenhouse gas emissions will be reduced by about 80%. This will make Woodfibre LNG one of the cleanest LNG facilities in the world.</p> <p><small>*Note on Source: A 2009 independent study commissioned by CLNG (Centre for Liquefied Natural Gas) and performed by Pace Global Energy Services found that existing U.S. coal fired power generation produces more than double the lifecycle greenhouse gas emissions than power generation fueled by regasified LNG.</small></p>
P088	11-Mar-2017	Anonymous Vancouver, BC	I fully support the change in cooling method I feel it's both socially and environmentally more responsible.	<p>Thank you for your comment. Woodfibre LNG is committed to going beyond what is required to build a better project. We’ve made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p>
P089.1	11-Mar-2017	Darci Rosalie Howe Sound	I continue to be opposed to the Woodfibre LNG project. Howe Sound is a beautiful and rich ecosystem with growing biodiversity. We are only now recovering from decades of industrial pollution and we have spent millions of taxpayer dollars cleaning up these toxic legacies from industry. We're seeing the herring return and the whales and dolphins are following them after 50 years away from Howe Sound. Howe Sound is creating a sustainable future for itself by becoming a recreation site and tourist destination. Woodfibre LNG would change this trajectory. This project does not fit our values.	<p>Thank you for your comment.</p> <p>Woodfibre LNG Limited is helping to rehabilitate Howe Sound. Woodfibre LNG Limited took ownership of the Woodfibre site in February of 2015. The Woodfibre site has been home to industrial activity since the early 1900’s, and Woodfibre LNG’s purchase of the property was contingent on its former owner, Western Forest Products (WFP), obtaining a Certificate of Compliance (COC) from the BC Ministry of Environment (MOE). On December 22, 2014, the MOE issued two COCs for the Woodfibre property. The COCs confirm that WFP has cleaned up the site to acceptable contaminant levels and existing site contamination does not pose an ecological or human health risk.</p> <p>In addition, for more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p>

P089.2			<p>Howe Sound is a narrow fjord. The area is known for its strong winds and huge (15') tides. The Society of International Gas Tanker and Terminal Operators the LNG industry's Standards of Operations strongly recommends against siting a facility in close proximity to human populations and having LNG tankers traverse significant commercial recreational and ferry marine traffic. Long narrow inland waterways are to be avoided due to greater navigation risk. It does not appear that Woodfibre LNG or the BC government is adhering to these standards. The safety risk of trying to navigate through the narrow sound puts the lives of the community at risk. The high danger zones for 1600 metres on either side of the LNG tanker are highly populated areas.</p> <p>“Concerns were raised by the District of West Vancouver the Village of Lions Bay and the general public regarding the siting of the proposed facility and whether the site would be located in a ‘narrow waterway’ that would be unsafe for an LNG carrier. Many comments from the local governments and general public cited the Society of International Gas Tanker & Terminal Operators Ltd's (SIGTTO) guidance and TERMPOL for guidance in siting an LNG facility. EAO requested additional information from the Proponent to demonstrate how the SIGTTO siting criteria would be met by the proposed Project. The Proponent prepared a memo (Woodfibre LNG Limited Response to SIGTTO LNG Ports and Risk Reduction Options August 2015) in response. TC reviewed the memo and expressed no major concerns with the material. The Proponent stated that the information referenced in the memo is also part of the studies which will be submitted to TC Pacific Pilotage Authority and BC Coast Pilots under TERMPOL. ” (EAO Report p. 129)</p> <p>Has Transport Canada done any further reviews of the information provided by Woodfibre? How is Transport Canada reconciling these safety concerns?</p>	<p>As described in the frequently asked questions document from the Application review (<i>Proposed Woodfibre LNG Project Frequently Asked Questions</i> https://projects.eao.gov.bc.ca/p/woodfibre-lng/docs?folder=123), siting of the Woodfibre LNG facility complies in every way with the Society of International Gas Tanker & Terminal Operators Ltd’s (SIGTTO) guidance as the location of the site is not within a narrow waterway as defined by SIGTTO and TERMPOL (Technical Review Process of Marine Terminal Systems and Transshipment Sites).</p>
P089.3			<p>In addition Woodfibre has applied to the National Energy Board for a 40-year export license. If approved this would extend beyond the proposed 25-year life of the plant increasing tanker traffic and safety risks.</p> <p>Forty year cumulative environmental impacts on Howe Sound have not been considered. The 2015-2016 Environmental Assessment examined only some aspects of the environmental impact of Woodfibre LNG over its proposed 25-year expected lifetime. Extending those impacts to 40 years creates a 60% increase in Cumulative Impacts and has not been estimated at all.</p> <p>Please do not let this project move forward; say no to this project.</p>	<p>In Section 2.2.7 of the Application, Woodfibre LNG Limited disclosed that the life of the Project (i.e., length of the export permit) could be extended or renewed. All of the commitments made in the Application, including the regulatory conditions, plans and permits required for construction and operation, will remain in effect for the life of the Project, whether it’s 25 or 40 years.</p>

P090	11-Mar-2017	Anonymous Burnaby	<p>LNG is by no means a sustainable energy option. Pollution does not resume to air; it involves the waters soil forests... The processes that the LNG plants work on poison water to such a degree it is absolutely impossible to reuse for anything. There is no fuel oil gas or any other that could come to mind that is vital to life. WATER is vital! No one and nothing can live without clean water. This LNG plant will be the end of our picturesque Squamish as pristine forests and their wildlife will be at risk. Squamish does not deserve such destruction... The environment and the communities there need to be protected!</p>	<p>Thank you for your comment.</p> <p>For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p> <p>For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about marine noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we’ve made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p>
P091	11-Mar-2017	Anonymous	<p>I'm against The LNG Plant!</p>	<p>Thank you for your comment.</p> <p>For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p> <p>For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about marine noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we’ve made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p>
P092.1	11-Mar-2017	Ann Ramsay Bowen Island, B.C.	<p>[attachment]</p> <p>I write concerning the proposed changes put forward by the Woodfibre LNG project for Howe Sound in their Amendment Application, as the Squamish Nation now requires Woodfibre to use an air-cooling system in place of the originally proposed seawater-cooling system.</p> <p>The air-cooling system seemingly addresses some of the concerns with the project. However, the air-cooled system would require a larger physical footprint in order to accommodate multiple cooling fans. It is a concern that this footprint may exceed the area available for building (as the EA certificate stated that the concrete cap on the extensive and leaking toxic waste and asbestos dump area must not be disturbed). As well, the noise levels from the air-cooled system will be significantly higher (this acknowledgement is made on the Woodfibre website). The annoying high pitched sound from such will be amplified and echo in the narrow Howe Sound, likely not complying with the Squamish and BC’s noise bylaws. As well, other Value Components – Avifauna, Marine Birds, Marine Benthic</p>	<p>Thank you for your comment.</p> <p>The environmental components that have the potential to be adversely affected by the proposed Project changes were identified and assessed in Section 6.0 of the Amendment Application. The environmental components included avifauna, atmospheric environment, and visual quality. And as noted in Section 5.2 of the Amendment, the switch to air cooling will eliminate the potential effects from the seawater cooling on the marine environment, including potential effects on marine water quality, marine benthic habitat, marine fish (including herring and salmon), marine birds and marine mammals.</p> <p>Noise modelling was undertaken and is provided in Section 6.1 of the Amendment Application. This modelling shows that the noise generated by the LNG facility reduces to background levels at about 1.5 km from the facility. The District of Squamish noise bylaw is a nuisance-based bylaw. Because the changes in atmospheric sound will comply with OGC Guideline, the nuisance-based bylaw is expected to be satisfied. Further, the noise modelling shows that the noise will be within the range assessed in the Application, therefore there will be no additional noise effects</p>

			habitat, Forage Fish(Marine), Atmospheric Environment (ground level ozone), Visual Quality (principally fog) will also be affected.	<p>on wildlife (e.g., birds).</p> <p>The air cooling system will be installed on the top of the LNG facility (train) and there will be no additional Project footprint required. The air cooling system selected for the Project by Squamish Nation does not require freshwater spray. Heat from the fans is the only emission associated with the air cooling system.</p>
P092.2			The Woodfibre proposal has also submitted a request to the National Energy Board to replace the 25 year licence with a 40 year licence. If approved this would mean a 60% increase of total LNG exports, hazards and environmental damage. The impact of this significant change makes this proposal not an ‘amendment application’ but rather a significantly different proposal from the original.	In Section 2.2.7 of the Application, Woodfibre LNG Limited disclosed that the life of the Project (i.e., length of the export permit) could be extended or renewed. All of the commitments made in the Application, including the regulatory conditions, plans and permits required for construction and operation, will remain in effect for the life of the Project, whether it’s 25 or 40 years.
P092.3			<p>Those living in Howe Sound and it’s vicinity are strongly opposed to this project after years of effort and monies have been spent reclaiming the health of Howe Sound from earlier industrial damage. According to the David Suzuki Foundation report, the Howe Sound watershed provides an estimated</p> <p>\$800 million to \$4.7 billion in natural services to the region each year. The risks of this project to the local population and to the environment of this exceptionally beautiful sound are immense.</p>	<p>For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p> <p>For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about marine noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we’ve made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p>
P092.4			The integrity of the assessment process is in question with the recent revelation of two Woodfibre LNG employees making donations to the BC Liberal government (and being reimbursed by the company) at the time when the Environment Assessment was in process. Compounding this, significant donations have been made by Woodfibre LNG as well.	<p>Woodfibre LNG Limited and Mr. Giraud have made donations, including the purchase of tickets to fundraisers, to various political parties and candidates. Woodfibre LNG and Mr. Giraud have always been up front and transparent in reporting any donations. We will cooperate fully with any investigation. Until any such investigation is complete, we are advised not to make any further public comments.</p> <p>Environmental Assessment Office response:</p> <p>The Environmental Assessment Office (EAO) is a neutrally administered office that is required by law to assess the potential significant environmental, economic, social, heritage, and health adverse effects of proposed major projects in BC. Reviews are undertaken under the independent statutory authority of the EAO’s Executive Director and conducted by nonpartisan public servants in the organization.</p> <p>The EAO reviews and considers all relevant matters – including those raised by Aboriginal groups, communities and the public – absent of any undue influence. The EA for the Woodfibre LNG Project was no exception.</p>

P094	11-Mar-2017	Anonymous	I support the project and the change in cooling method.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P095	12-Mar-2017	Evan Drygas	I strongly support Woodfibre LNG's Application for an Amendment to Environmental Assessment Certificate #E15-02. The removal of the seawater cooling demonstrates that Woodfibre LNG is listening to the Squamish Nation and other community stakeholders. The removal of seawater cooling will reduce the project's environmental impact to virtually nothing. The requests to use the existing Mill Creek intake including screenhouse flume and penstock as an alternative to constructing a new intake for water withdrawals and use of Woodfibre Creek for short term water needs during construction are also reasonable requests that will have a negligible effect on Howe Sound.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P096	12-Mar-2017	Derrick	Get it built.The workers want it	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P097	12-Mar-2017	Donald Tibbo Blind Bay, BC.	I believe LNG is best for the people and will provide due diligence for all in the future. As far as the activists go well they obviously did not their homework because if they did they would not be activists for this particular project nor would they be public they would be working like most citizens instead of wasting taxpayer money. Don Tibbo	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P098	12-Mar-2017	Ryan Medd Gibsons, BC	Please for the sake of future generations ignore all the people who are opposed to this project simply for the sake of being opposed to something. Also please ignore those who are opposed to this projection because they are anti-progress anti-development and/or anti-capitalist. That should cover 99% of those opposed. I am 100% in favour of this project and hope to see it proceed as soon as possible.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P099	12-Mar-2017	Michael Lyons Squamish, B.C.	I fully support this project and the amendments requested.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P100	12-Mar-2017	Anonymous Vancouver, BC	Will the air cooling generate excess noise in the sourounding areas compared to the previous seawater cooling option? Will Woodfibre commit to using low noise fans?	<p>Thank you for your comment.</p> <p>Noise modelling was undertaken and is provided in Section 6.1 of the Amendment Application. This modelling shows that the noise generated by the LNG facility reduces to background levels at about 1.5 km from the facility. It also shows that the Project will meet available guidance, including the OGC guidelines and Health Canada guidance.</p> <p>One of the effects of the seawater cooling system was an increase in marine noise. By using an air cooling system, this potential effect is eliminated. As noted in the Amendment Application, detailed modelling showed that overall noise levels with air cooling will be approximately equivalent to those with seawater cooling.</p>

P101	12-Mar-2017	Anonymous Squamish	I am in support of the Woodfibre LNG facility being constructed and operated in the area. It is needed economically and WFLNG has shown a commitment to the environment through their engineering optimization and changes throughout the community assessment periods.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P102	12-Mar-2017	Anonymous Campbell River, B.C.	I would like the LNG project(s) approved.	Thank you for taking the time to show your support for the Woodfibre LNG Project
P103	12-Mar-2017	Anonymous	This is a needed and proper project for BC. It allows BC to assist other countries to improve their environmental situation. It is well organized project supported by the First Nation community. This needs to go through.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P104	12-Mar-2017	Joe liimatta Victoria , bc	Please get this plant started ! We need this	Thank you for taking the time to show your support for the Woodfibre LNG Project
P105	12-Mar-2017	Joe liimatta Victoria	I like how the idiots whom oppose this pipeline and Lng plant are using fake names or won't say whom they are .. typical tax dodgers or people that are a bunch of Facebook / internet trolls and need to grow up and get a job stop thinking they are heros by bashing the natural gas industry	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P106	12-Mar-2017	Anonymous Surrey, BC	I support industry derived from our natural resources. These resources will support families and the tax dollars will support all. There are many countries in the world that wish they were in our place. Canada is the envy of the world. We do things as environmentally safe as possible not like many of our competitors. Presently we buy oil and gas from OPEC nations whom obviously must have superior human rights and environmental practices than we do. The Irving refinery in New Brunswick buys their oil from Saudi Arabia. We as a nation must wake up and be open to developing natural resources as well as investing in renewable resources as well. We must become energy independent. I unequivocally support the LNG project.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P107	12-Mar-2017	Anonymous Vancouver	I strongly support the Woodfibre LNG project. I'm currently working at fortis tilbury island expansion project and look forward to the opportunity to work at Woodfibre in Squamish. This project will be a great benefit to both myself and our local economy. Regards Jordan Falk	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P108	12-Mar-2017	Anonymous	Build it.....no more committies or studies.....Build it.	Thank you for taking the time to show your support for the Woodfibre LNG Project

P109	12-Mar-2017	Evan Dawson creek	BC needs resource development. Please approve all LNG. the majority of us want good paying jobs. The rest are either already wealthy or too lazy to work.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P110	12-Mar-2017	Anonymous Squamish, BC	I strongly support Woodfibre LNG's Application for an Amendment to Environmental Assessment Certificate #E15-02. The changes are reasonable and will have a minimal impact on our environment. The project will have a net positive benefit to the environment for the following reasons: 1. Burning natural gas produces nearly half as much carbon dioxide per unit of energy compared with coal. 2. The extraction of natural gas has a significantly smaller impact than coal mining. Coal mining removes entire mountain tops and contaminates streams. Natural gas extraction has a small surface footprint and with proper procedures limited surface water contamination. 3. Natural gas produces lower levels of sulfur dioxide and nitrogen oxides than coal. Dangerous particulate emissions are only about ten per cent of those produced by coal. The benefits of natural gas in comparison to coal far exceed the benefit of less carbon dioxide emissions. Thank you K	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P111	12-Mar-2017	Laurie Parkinson Bowyer Island, Howe Sound	Why is the 37.5% reduced Hydro rate [eDrive LNG rate] not part of Woodfibre LNG's amendment?	Thank you for your comment. The Province of British Columbia's decision in November 2016 to offer the industrial rate to LNG projects that use electricity from B.C. Hydro to power their facilities ("eDrive") means Woodfibre LNG will pay the same fair rate as any mine, pulp mill or factory in BC. Woodfibre LNG will also be required to contribute the full cost of connecting to the BC Hydro system, as well as transmission system upgrades required to serve the facilities. The electricity rate paid by the Project will not change with the switch in cooling technology and is therefore not included in the Amendment Application.
P112	12-Mar-2017	Laurie Parkinson Bowyer Island, in Howe Sound	What will the power consumption ['normal operating power requirement'] of the new proposed project configuration be?	Thank you for your comment. As stated in Section 2.1 of the Amendment Application, design optimization work has shown that by adjusting the number of fans in use at any given time, energy consumption for air cooling is expected to be equivalent to or less than the energy consumption for seawater cooling.
P113	12-Mar-2017	Laurie Parkinson Bowyer Island, in Howe Sound	Since the Provincial and Federal Taxes were calculated using this unrealistic multiplier and since Woodfibre LNG has received a reduced 'LNG eDrive' Hydro rate to compensate for the higher energy need of its proposed air cooling system why are the new Provincial and Federal tax revenue estimates not part of this amendment?	Thank you for your comment. To clarify, the tax rates associated with the Project are not anticipated to change with the switch in cooling technology and are therefore not included in the Amendment Application. Woodfibre LNG Limited will pay a variety of taxes, including income tax, LNG tax, and municipal property tax. The BC LNG industry not only pays the same amount of tax as other industries in BC, but is also charged an additional LNG tax and must also pay additional carbon taxes under the <i>Greenhouse Gas Industrial Reporting and Control Act</i> .

P114	12-Mar-2017	Laurie Parkinson Bowyer Island, in Howe Sound	What are the realistic Provincial and Federal tax revenue estimates when using a realistic multiplier of 2.5 to 1 and the reduced 'LNG eDrive' Hydro rate?	<p>Thank you for your comment.</p> <p>The tax rates associated with the Project are not anticipated to change with the switch in cooling technology and are therefore not included in the Amendment Application. Woodfibre LNG Limited will pay a variety of taxes, including income tax, LNG tax, and municipal property tax. The BC LNG industry not only pays the same amount of tax as other industries in BC, but is also charged an additional LNG tax and must also pay additional carbon taxes under the <i>Greenhouse Gas Industrial Reporting and Control Act</i>.</p>
P115	12-Mar-2017	Anonymous	Please do not be bullied by special interest groups...Use reliable science and common sense..Do not back down from corrupt groups funded by US MONEY...	Thank you for your comment.
P116	12-Mar-2017	Laurie Parkinson Bowyer Island, in Howe Sound	<p>The application for the amendment is short on detail and refers only to the specifics of the air cooling system. During the 2015 Environmental Assessment Woodfibre LNG stated that changing its cooling system would be huge. The amendment is unclear on changes made to the rest of the plant and infrastructure.</p> <p>Question: -Why is there no visual representation of the new configuration?</p>	<p>Thank you for your comment. As described in Section 6.9 of the Amendment Application, the air cooling system will be mounted on top of the LNG facility (train) on a pipe support structure. The structure will extend approximately three metres above the height of the structure in the artist's rendering of the Woodfibre LNG Project (June 2014), and will not have a notable visual effect. In addition, the heat exchangers (two towers) in the artist's rendering will remain the tallest part of the LNG processing facility. (https://www.woodfibrelng.ca/the-project/about-the-project/)</p>
P117	12-Mar-2017	Anonymous Squamish	tourism can't pay the bills alone in Squamish so I think we need some industrial back in our town to make it affordable again. I build lng plants up north and me and my family are for the wood fiber lng plant.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P118	12-Mar-2017	Anonymous Squamish	Strongly in favour. I have been following this project. I have attended many if not most of the on going public open houses and information sessions provided by both sides. This is a well conceived project that should not be further burdened by politics of those against.	Thank you for taking the time to show your support for the Woodfibre LNG Project.
P119	12-Mar-2017	Andrew Guilbride Squamish.	In favour. I am informed and feel that the review of the project has made for a better project. But let's get this done.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P120.1	12-Mar-2017	Anonymous Bowen Island, BC	<p>[Some of my comments are phrased rhetorically but I do respond to the recent amendments to the EA including the new air cooling system and the request to extend the license from 25 to 40 years.]</p> <p>Thank you for reopening the public comments period on the Woodfibre LNG Project</p> <p>WHO ARE WE DEALING WITH?</p> <p>The Woodfibre LNG project has all the characteristics of a 'boondoggle.' Definition: A boondoggle is a project that is considered a waste of both time and money yet is often continued due to extraneous policy or political motivations which lend it the appearance of having or producing value.</p> <p>LNG is a big political gamble. And there are lots of investors who are betting that it can be pushed through - despite the opposition despite the facts.</p> <p>Just how political? Well the Globe & Mail's recent (March 10 2017) investigative expose of</p>	<p>Thank you for your comment.</p> <p>Woodfibre LNG Limited and Mr. Giraud have made donations, including the purchase of tickets to fundraisers, to various political parties and candidates. Woodfibre LNG and Mr. Giraud have always been up front and transparent in reporting any donations. We will cooperate fully with any investigation. Until any such investigation is complete, we are advised not to make any further public comments.</p> <p>In Section 2.2.7 of the Application, Woodfibre LNG Limited disclosed that the life of the Project (i.e., length of the export permit) could be extended or renewed. All of the commitments made in the Application, including the regulatory conditions, plans and permits required for construction and operation, will remain in effect for the life of the Project, whether it's 25 or 40 years.</p>

			<p>donations to the Liberal party from prominent lobbyists and shareholders representing industry interests reveals that political aspect. To quote the article "Donors also do not have to disclose who they work for even though experts on campaign-finance reform say that would shine a light on where the money comes from. Another frequent donor is Byng Giraud the top in-house lobbyist for Woodfibre LNG an Indonesian firm that is building a liquefied natural gas plant near Squamish that some locals oppose. Bios of Mr. Giraud online say he "has extensive political experience." He has also given the B.C. Liberals \$47149 in 20 payments under his own name in the past three years. A less senior Woodfibre manager Marian Ngo gave the party \$28000 in 14 donations most of that just last year. She had never donated to any B.C. political campaign before becoming a lobbyist for the LNG firm."</p>	<p>Environmental Assessment Office response:</p> <p>The Environmental Assessment Office (EAO) is a neutrally administered office that is required by law to assess the potential significant environmental, economic, social, heritage, and health adverse effects of proposed major projects in BC. Reviews are undertaken under the independent statutory authority of the EAO’s Executive Director and conducted by nonpartisan public servants in the organization.</p> <p>The EAO reviews and considers all relevant matters – including those raised by Aboriginal groups, communities and the public – absent of any undue influence. The EA for the Woodfibre LNG Project was no exception.</p>
P120.2			<p>UN-ECONOMIC AND UNSUSTAINABLE</p> <p>Woodfibre LNG submitted a request to the National Energy Board for a 40-year export license. That request if approved would replace the 25-year one approved in 2014 with a 60% increase of total LNG exports. The cumulative damage from a 40-year tenancy would be 60% greater than was approved in the EA certificate. That is a staggeringly large material change and it commits the province and our country to a path that is morally irresponsible and unsustainable.</p> <p>Whatever happened to the captivating tourist promotion of "BC â€“ Super Natural?" The province's tourist economy not to mention fishing resources depend upon the preservation of our marine environment. This does not mean risking additional shipping storage and of highly volatile compressed gas. This does not mean exploiting finite carbon-based resources even when there is no demand just so that a few may profit.</p>	<p>In Section 2.2.7 of the Application, Woodfibre LNG Limited disclosed that the life of the Project (i.e., length of the export permit) could be extended or renewed. All of the commitments made in the Application, including the regulatory conditions, plans and permits required for construction and operation, will remain in effect for the life of the Project, whether it’s 25 or 40 years.</p> <p>LNG Shipping activities will include transit of up to 40 LNG carriers per year (three to four calls per month) as described in Section 2.2.7.2.2 of the Application. The number of carriers is not expected to change with the potential reduction in LNG production, and the shipping portion of the Project is therefore excluded from the Amendment Application.</p> <p>As described in the frequently asked questions document from the Application review (<i>Proposed Woodfibre LNG Project Frequently Asked Questions</i> https://projects.eao.gov.bc.ca/p/woodfibre-lng/docs?folder=123), siting of the Woodfibre LNG facility complies in every way with the Society of International Gas Tanker & Terminal Operators Ltd’s (SIGTTO) guidance as the location of the site is not within a narrow waterway as defined by SIGTTO and TERMPOL (Technical Review Process of Marine Terminal Systems and Transshipment Sites).</p> <p>Woodfibre LNG Limited is of the view that tourism and industry can work together to create responsible economic development in Squamish. BC Ferries and Squamish Terminals have shown how industry can successfully coexist with local tourism and recreation, and Woodfibre LNG Limited is working hard to follow that example.</p>
P120.3			<p>Woodfibre LNG's proposal has been and continues to be opposed by a majority of jurisdictions and residents in Howe Sound. We are concerned about negative impacts on the ecology of Howe Sound and the industry's contributions to Global Warming. We are concerned that Woodfibre LNG if allowed to proceed will degrade the Howe Sound watershed which provides an estimated \$800 million to \$4.7 billion in natural services to the region each year according to a report released by the David Suzuki Foundation. Such negative local impacts combined with a 40 year permit are unconscionable and an entirely unacceptable risk to both the local population and the planet. It's choice and only a handful of people are in a position to influence the outcome. What's it going to be? Political boondoggle or Super Natural BC?</p>	<p>For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p> <p>For example, we made the switch from a floating LNG facility to a land-based facility over community concerns about marine noise; we will power our facility with clean renewable electricity from BC Hydro, instead of natural gas, over community concerns about air emissions, which will reduce our greenhouse gas emissions by more than 80% and make Woodfibre LNG one of the cleanest LNG facilities in the world; and, we’ve made the switch from seawater cooling to air cooling as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.</p>

				<p>The selection of air cooling by Squamish Nation Chiefs and Council was the result of a study conducted by the Woodfibre Environmental Working Group, which was supported by Woodfibre LNG and consisted of Squamish Nation and Woodfibre LNG representatives. The study compared three alternative cooling technologies (a seawater cooling system, an air cooling system, and a system that combines air cooling with freshwater spray) and their potential effect on the environment and the continued exercise of Aboriginal Interests, including effects on traditional and current Aboriginal use of lands and resources. The Woodfibre Environmental Working Group determined that of the three cooling technologies, seawater cooling had the highest net environmental effect and that air cooling was considered to have the lowest net environmental effects, including effects on traditional and current Aboriginal use of lands and resources.</p>
P121	12-Mar-2017	Anonymous Coquitlam BC	All LNG projects that are viable need to be built in BC as quickly as possible.	<p>Thank you for your comment.</p>
P122	12-Mar-2017	Vel Anderson Gibsons, BC	<p>WATER IS A MAIN ISSUE HERE</p> <p>I want the approving officers to be very clear and truly understand that estuaries are delicate ecosystems and are among the most productive ecosystems in the world. Many animals rely on estuaries for food places to breed and migration stopovers. Estuaries and their surrounding wetlands are bodies of water usually found where rivers meet the sea. Estuaries are home to unique plant and animal communities that have adapted to brackish water—a mixture of fresh water draining from the land and salty seawater that provide nursery grounds for many species of birds fish and other animals. Drawing water from the major creeks will definitely affect the fish and other life forms particularly in the warmer months. Construction and all work will detrimentally effect all life in the little streams creeks and the whole ecosystem. This will be the death of that ecosystem.</p> <p>WE NEED TO PROTECT THESE DELICATE SYSTEMS NOT DESTROY THEM.</p> <p>With the Woodfibre LNG project proposal there is no hope to effectively mitigate environmental impacts. Either the BC Environmental Assessment Office has inadequate knowledge of the location or value of sensitive resources or don't give a care.</p> <p>THIS ECOSYSTEM HAS NOT BEEN PROPERLY ADDRESSED IN THIS PROPOSAL</p>	<p>Thank you for your comment.</p> <p>The fish and fish habitat baseline study undertaken in support of the Woodfibre LNG Project includes both Mill and Woodfibre creeks; this report is included as Appendix 5.15-1 of the Application. A summary of fish presence in Mill Creek and Woodfibre Creek is also included in Section 6.7 of the Amendment Application.</p> <p>Mitigation measures are proposed to avoid or reduce the potential effects to fish associated with reusing the existing intake on Mill Creek and temporary water withdrawals from Woodfibre Creek during construction. These mitigation measures are well understood and known to be effective.</p> <p>Regardless of whether the existing intake or a new intake on Mill Creek is used, the intake adhere to best management practices for instream works and will follow the standards outlined in Fisheries and Oceans Canada (DFO)'s Freshwater Intake End-of-Pipe Fish Screen Guideline (DFO 1995) and Measures to Avoid Causing Harm to Fish and Fish Habitat (DFO 2013). Environmental Assessment Certificate (EAC) Condition 5 requires that Woodfibre LNG develop a minimum instream flow release regime that is acceptable to both the Ministry of Forests, Lands and Natural Resource Operations and Squamish Nation.</p> <p>Woodfibre LNG is proposing to withdraw water using the existing intake infrastructure or use temporary pumps to withdraw water from Woodfibre Creek. Pumps withdrawing water directly from Woodfibre Creek will incorporate best management practices for approach velocities and screen spacing, as outlined in Freshwater Intake End-of-Pipe Fish Screen Guideline (DFO 1995). Woodfibre LNG is proposing to add the requirement to determine an instream flow release regime for Woodfibre Creek to EAC Condition 5 (see Section 8.0 of the Amendment Application).</p>

P123	12-Mar-2017	Eoin Finn Bowyer Island, Howe Sound	<p>On behalf of My Sea to Sky I am submitting the attached comments and questions. We would like to register several complaints with this latest pretence at public engagement:</p> <p>1) Conflicting deadlines were posted on the BC EAO website.</p> <p>2) While we appreciate the change to the BC EAO website that makes it easier for the general public to access the public comment submission form there are several new issues with the updated website:</p> <p>a. Inability to link directly to documents posted on the site makes it difficult to enable the general public to engage in this process or direct them where to locate specific documents.</p> <p>b. Navigation is still challenging and it is difficult to find the documents that the general public are meant to review as part of the EA process.</p> <p>3) There has been insufficient time for the general public to review the amendment and research the data supplied by the proponent.</p> <p>4) Public consultation consisted of Woodfibre LNG inviting a few select organizations to visit the site and receive a private briefing. My Sea to Sky was not included in this select group despite being involved in the environmental assessment process from the very beginning. Instead Woodfibre LNG chose organizations that in some cases had never been involved in the environmental assessment project. This is unacceptable.</p> <p>5) The lack of open houses made it difficult for the general public to engage.</p>	<p>Thank you for your comment.</p> <p>Woodfibre LNG has prepared a separate response to the attached comments and questions. Woodfibre LNG has added a column to the table provided by My Sea to Sky and provided a response to each comment/question in this column (WLNG Memo Response to My Sea to Sky).</p>
P124	12-Mar-2017	Laurie Parkinson Bowyer Island, in Howe Sound	<p>An air cooling system would be noisy. It would be hard on wildlife. I don't think the taxes (minimal) greenhouse gasses (substantial from fracking) and safety risk (substantial) are worth the risk to wildlife.</p>	<p>Thank you for your comment.</p> <p><i>Noise</i></p> <p>The selection of air cooling by Squamish Nation Chiefs and Council was the result of a study conducted by the Woodfibre Environmental Working Group, which was supported by Woodfibre LNG and consisted of Squamish Nation and Woodfibre LNG representatives. The study compared three alternative cooling technologies (a seawater cooling system, an air cooling system, and a system that combines air cooling with freshwater spray) and their potential effect on the environment and the continued exercise of Aboriginal Interests, including effects on traditional and current Aboriginal use of lands and resources. The Woodfibre Environmental Working Group determined that of the three cooling technologies, seawater cooling had the highest net environmental effect and that air cooling was considered to have the lowest net environmental effects, including effects on traditional and current Aboriginal use of lands and resources.</p> <p>Noise modelling was undertaken and is provided in Section 6.1 of the Amendment Application. This modelling shows that the noise generated by the LNG facility reduces to background levels at about 1.5 km from the facility.</p> <p>Noise-related effects to wildlife were considered in the wildlife sections of the Application. As noted in the Amendment Application, because the sound levels in the Project area will remain within the range assessed in the Application, there will be no additional effects to wildlife (birds and bats) with the change to air cooling.</p> <p><i>Taxation</i></p> <p>Woodfibre LNG Limited will pay a variety of taxes, including income tax, LNG tax, and municipal property tax. The BC LNG industry not only pays the same amount of tax as other industries in BC, but is also charged an additional LNG tax and must also pay additional carbon under the <i>Greenhouse Gas</i></p>

				<p><i>Industrial Reporting and Control Act.</i></p> <p><i>Greenhouse Gas Emissions</i></p> <p>Woodfibre LNG Limited is of the view that natural gas – the cleanest burning fossil fuel – is the best and most reliable way to help transition away from high-emission fuels such as coal. This is particularly true in energy-hungry Asian markets, where Woodfibre LNG plans to sell its product. In fact, replacing just one 500 Megawatt coal-fired power plant with natural gas fueled power generation for one year, equates to taking 557,000 cars off the roads*.</p> <p><i>Safety</i></p> <p>LNG shipping is safe. In fact, LNG has been shipped for more than 50 years around the world without one incident of loss of containment. It’s also important to know that Howe Sound has been an established shipping route for more than a century, and that it is well suited for the movement of LNG.</p> <p>*Note on Source: A 2009 independent study commissioned by CLNG (Centre for Liquefied Natural Gas) and performed by Pace Global Energy Services found that existing U.S. coal fired power generation produces more than double the lifecycle greenhouse gas emissions than power generation fueled by regasified LNG.</p>
P125	12-Mar-2017	Anton van Walraven Bowen Island	Please see attached letter and attachment to letter.	<p>Thank you for your comment. Woodfibre LNG has reviewed the comment attachment and the response is provided below.</p> <p><i>Electricity Consumption</i></p> <p>As stated in Section 2.1 of the Amendment Application, design optimization work has shown that by adjusting the number of fans in use at any given time, energy consumption for air cooling is expected to be equivalent to or less than the energy consumption for seawater cooling.</p> <p><i>Electricity Rates</i></p> <p>The Province of British Columbia’s decision in November 2016 to offer the industrial rate to LNG projects that use electricity from B.C. Hydro to power their facilities (“eDrive”) means Woodfibre LNG will pay the same fair rate as any mine, pulp mill or factory in BC. Woodfibre LNG will also be required to contribute the full cost of connecting to the BC Hydro system, as well as transmission system upgrades required to serve the facilities.</p> <p><i>Taxation</i></p> <p>To clarify, the tax rates associated with the Project are not anticipated to change with the switch in cooling technology and are therefore not included in the Amendment Application. Woodfibre LNG Limited will pay a variety of taxes, including income tax, LNG tax, and municipal property tax. The BC LNG industry not only pays the same amount of tax as other industries in BC, but is also charged an additional LNG tax and must also pay additional carbon taxes under the <i>Greenhouse Gas Industrial Reporting and Control Act</i>.</p>

P126	12-Mar-2017	Anonymous Gibsons, BC	<p>How often will the Ministry send inspectors to the site to check on the operation?</p> <p>Will any part of the latest cooling system require water? How much? For how many hours per day?</p> <p>Are water licences required for the extraction of water from the creeks. Have licences been approved for the removal of water from the creeks?</p>	<p>Thank you for your comment.</p> <p><i>Air Cooling</i> The air cooling system selected by the Squamish Nation does not require the use of water.</p> <p><i>Water</i> During Project construction and operation, water from Mill Creek will be withdrawn under existing water licences. Water for temporary use during Project construction will be withdrawn from Woodfibre Creek under a short-term use approval to be issued by the Oil and Gas Commission.</p> <p>Environmental Assessment Certificate (EAC) Condition 5 requires that Woodfibre LNG develop a minimum instream flow release regime that is acceptable to both the Ministry of Forests, Lands and Natural Resource Operations and Squamish Nation.</p> <p>Environmental Assessment Office response:</p> <p>Compliance and enforcement is an important part of the environmental assessment process to ensure operators are following the conditions designed to mitigate potential adverse effects to the environment, heritage, health, social and economic values and Aboriginal Interests. More information on the Environmental Assessment Office’s compliance and enforcement program is available at: http://www.eao.gov.bc.ca/compliance.html.</p>
P127	12-Mar-2017	Anonymous Gibsons, BC	<p>I oppose the Woodfibre LNG proposed Project on many issues but mainly the fact that the beautiful Woodfibre ecosystem and estuary will be ruined.</p> <p>Has the ecosystem and estuary been addressed? Where?</p>	<p>Thank you for your comment.</p> <p>Fish presence in both Mill and Woodfibre creeks was identified as part of the Application (Section 5.15), and mitigation measures are proposed to avoid or reduce the potential effects to fish associated with reusing the existing intake on Mill Creek and temporary water withdrawals from Woodfibre Creek during construction. These mitigation measures are well understood and known to be effective.</p> <p>Regardless of whether the existing intake or a new intake on Mill Creek is used, the intake adhere to best management practices for instream works and will follow the standards outlined in Fisheries and Oceans Canada (DFO)’s Freshwater Intake End-of-Pipe Fish Screen Guideline (DFO 1995) and Measures to Avoid Causing Harm to Fish and Fish Habitat (DFO 2013). Environmental Assessment Certificate (EAC) Condition 5 requires that Woodfibre LNG develop a minimum instream flow release regime that is acceptable to both the Ministry of Forests, Lands and Natural Resource Operations and Squamish Nation.</p> <p>Woodfibre LNG is proposing to withdraw water using the existing intake infrastructure or use temporary pumps to withdraw water from Woodfibre Creek. Pumps withdrawing water directly from Woodfibre Creek will incorporate best management practices for approach velocities and screen spacing, as outlined in Freshwater Intake End-of-Pipe Fish Screen Guideline (DFO 1995). Woodfibre LNG is proposing to add the requirement to determine an instream flow release regime for Woodfibre Creek to EAC Condition 5 (see Section 8.0 of the Amendment Application).</p>

P128	12-Mar-2017	Anonymous Gibsons, BC	Another reason to oppose this unwanted project in Howe Sound. The 2016 EA certificate granted to the facility was based on the 25-year cumulative impact on Howe Sound. The cumulative damage done to the Sound by a 40-year tenancy would be at least 60% greater than was approved in the EA certificate. That is a staggeringly large material change that must be considered in parallel with the change to the cooling system.	Thank you for your comment. In Section 2.2.7 of the Application, Woodfibre LNG Limited disclosed that the life of the Project (i.e., length of the export permit) could be extended or renewed. All of the commitments made in the Application, including the regulatory conditions, plans and permits required for construction and operation, will remain in effect for the life of the Project, whether it's 25 or 40 years.
P129	12-Mar-2017	Anonymous	Since the Provincial and Federal Taxes were calculated using an unrealistic multiplier and since Woodfibre LNG has received a reduced 'LNG eDrive' Hydro rate to compensate for the higher energy need of its proposed air cooling system why are the new Provincial and Federal tax revenue estimates not part of this amendment? I oppose this project along with 5 others in our family.	Thank you for your comment. To clarify, the tax rates associated with the Project are not anticipated to change with the switch in cooling technology and are therefore not included in the Amendment Application. Woodfibre LNG Limited will pay a variety of taxes, including income tax, LNG tax, and municipal property tax. The BC LNG industry not only pays the same amount of tax as other industries in BC, but is also charged an additional LNG tax and must also pay additional carbon taxes under the <i>Greenhouse Gas Industrial Reporting and Control Act</i> .
P131	12-Mar-2017	Anonymous	Yes to LNG fuel of the future and less GHG emissions.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P132	12-Mar-2017	Anonymous	Recognize this is an attempt by foreign funded "eco groups" to stifle Canada's attempt to enter the world hydrocarbon market.	Thank you for your comment.
P133	12-Mar-2017	William Burnett Bowser B.C.	I would like to be counted as one who supports LNG and the port facility being established on the former Woodfiber site An LNG facility is by and large a clean and environmentally safe industry It would offer good employment for workers and long term security for families This would also be an asset to the community supporting a secure tax base on into the future. Our province needs more of this type of resource industry's. Thank you for your consideration.	Thank you for taking the time to show your support for the Woodfibre LNG Project. Woodfibre LNG is committed to going beyond what is required to build a better project. We've made the switch in cooling technology, from seawater cooling to air cooling, as a result of our agreement with Squamish Nation and its Squamish Nation Process. The Squamish Nation Process is likely the first of its kind in Canada, one that considers traditional land, water and heritage resources.
P134	13-Mar-2017	Anonymous	EAO posting comment received from Chris Pettingill dated March 6 2017	Thank you for your comment. Woodfibre LNG has reviewed the comment attachment and the response is provided below. <i>Stakeholder Meeting</i> Woodfibre LNG hosted a stakeholder meeting at the Woodfibre site on January 18, 2017 for tenure holders and stakeholders who may be directly affected by the change in cooling technology, the potential change of intake location on Mill Creek, and the proposed short-term use of water from Woodfibre Creek. <i>Valued Components</i> Baseline data collected in support of the Application provided sufficient information to describe the potential effects of the proposed Project changes with the exception of atmospheric noise. Therefore, noise modelling with the air cooling system was carried out for the operation phase of the Project as part of the Amendment Application. The model, assumptions, and results were reported in Section 6.1 of the Amendment Application. Appendix D includes the noise model

				<p>inputs.</p> <p>Section 5.1 of the Amendment Application describes the process for determining which valued components (VCs) are carried forward for further assessment. The assessment of how the proposed Project changes may affect these VCs is included in Section 6.0 of the Amendment Application.</p> <p><i>Power Consumption</i> Design optimization work has shown that by adjusting the number of fans in use at any given time, energy consumption for air cooling is expected to be equivalent to or less than the energy consumption for seawater cooling.</p> <p>The Project will be powered by electricity provided by BC Hydro, thereby reducing air quality concerns and generating fewer GHG emissions in comparison with using gas turbine drives to run the main refrigerant compressors. GHG emissions will be monitored on an annual basis and reported to the Ministry of Environment as required by the Greenhouse Gas Emission Reporting Regulation.</p> <p><i>Electricity Rates</i> The Province of British Columbia’s decision in November 2016 to offer the industrial rate to LNG projects that use electricity from B.C. Hydro to power their facilities (“eDrive”) means Woodfibre LNG will pay the same fair rate as any mine, pulp mill or factory in BC. Woodfibre LNG will also be required to contribute the full cost of connecting to the BC Hydro system, as well as transmission system upgrades required to serve the facilities.</p> <p><i>Construction Employment</i> The change from seawater cooling to air cooling is not expected to have a material effect on construction employment or other socio-economic factors.</p> <p><i>Noise monitoring</i> In accordance with a commitment to Squamish Nation, noise monitoring will be undertaken during Project operation to confirm modeling.</p>
P135	13-Mar-2017	Anonymous	<p>EAO posting comment received from Christopher Gall Metis Nation British Columbia March 11 2017: I have reviewed the proposed changes to the Designated Project from Woodfibre LNG to the Canadian Environmental Assessment Agency. The proposed changes reflect an overall improvement to the project. Shifting to an air cooling system and removing the cooling system from the marine environment is likely much better overall for the environment particularly marine benthic organisms residing in that ecological region. The Woodfibre Creek water usage would be of concern if it was to be utilized regularly throughout operations but given that the document specifies short term use during construction the impact is likely negligible. Squamish Nation's push for air cooling is commendable as is the implementation of their own parallel environmental review process for this project.</p> <p>Christopher Gall B.A. M.A. J.D. Cellular: 604.839.7944</p>	<p>Thank you for your comment.</p> <p>For more than three years, Woodfibre LNG has worked hard to build a project that is right for Squamish and right for BC. We’ve taken the feedback of government, the public and First Nations and made meaningful changes to our Project. These are changes that are setting the standard for responsible economic development in BC.</p>

P136	13-Mar-2017	Anonymous	EAO posting comment received from Anton van Walraven (Concerned Citizens Bowen) dated March 11 2017	<p>Thank you for your comment. Woodfibre LNG has reviewed the comment attachment and the response is provided below.</p> <p><i>Power Consumption</i> As stated in Section 2.1 of the Amendment Application, design optimization work has shown that by adjusting the number of fans in use at any given time, energy consumption for air cooling is expected to be equivalent to or less than the energy consumption for seawater cooling.</p> <p><i>Electricity Rates</i> The Province of British Columbia’s decision in November 2016 to offer the industrial rate to LNG projects that use electricity from B.C. Hydro to power their facilities (“eDrive”) means Woodfibre LNG will pay the same fair rate as any mine, pulp mill or factory in BC. Woodfibre LNG will also be required to contribute the full cost of connecting to the BC Hydro system, as well as transmission system upgrades required to serve the facilities.</p> <p><i>Taxation</i> To clarify, the tax rates associated with the Project are not anticipated to change with the switch in cooling technology and are therefore not included in the Amendment Application. Woodfibre LNG Limited will pay a variety of taxes, including income tax, LNG tax, and municipal property tax. The BC LNG industry not only pays the same amount of tax as other industries in BC, but is also charged an additional LNG tax and must also pay additional carbon taxes under the <i>Greenhouse Gas Industrial Reporting and Control Act</i>.</p>
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