

**AECOM March 9, 2016 comments on Emergency Response and Communication Plan**

	AECOM comments	Algonquin comments
Introduction	a. List of things to be built appears to be detailed (both temporary and permanent).	No response required
Emergency Overview	a. Note developed in consultation with Loyalist Township and County of Lennox & Addington.	No response required
Facility Monitoring	a. Monitored by security when workers not on site.	No response required
Emergency Notification Procedure	a. First contact is to be to the Construction Manager or Operation Manager – he calls 911	No response required
	b. Who is responsible to contact Province, County and Township reps within 4 hours?	Amended text
	c. It is suggested that the plan identify that any excessive delays or delay resulting from a breakdown that blocks any roads must be relayed to the Emergency Services department immediately.	Text added
Emergency Preparedness	a. Clarify training requirements for sub-consultants/ contractors. Will it be the same level as Algonquin employees?	Text added
	b. Emergency preparedness and fire extinguisher training are both mentioned, but vague around the amount of time this will take up.	The specific amount of time over which the training will be administered will depend on a number of factors including the experience of those receiving the training and will be subject to the instructor's discretion. It is expected that this training could be completed in less than a single day.
	c. All personnel need to know the location of the turbine they are working at – should commit to temporary signage at work sites (i.e. turbine ID number)	Text added - New bullet in the 'Emergency Preparedness' section about this specifically.
	d. Unclear if fencing will be used for designated work areas as a preventative measure?	Fencing will generally not be utilized around work areas other than silt fencing required as a part of the Wildlife Management Plan or erosion and sediment control plan.
	e. Concerns about access to work areas don't seem to be mentioned.	Text added - Facility Monitoring section updated
Emergency Response	a. Contractors, landowners, others are responsible for calling 911 and then notifying construction manager – contradicts	Text amended for consistency
	b. First Aid/ CPR/ AED – The plan mentions First Aid Attendants, but it doesn't mention where First Aid kits/ AEDs will be located.	Amended text - Emergency Response Protocol section
	c. Consideration of Road safety/ vehicle hazards could be identified with an emergency response protocol, along with preventative action (directing traffic, visibility, use of traffic cones for on road work, etc.).	Amended text to reference Traffic mgmt plan section 5.3 safety mitigation
	d. High Angle/Confined Space Rescue Protocol: i. Second bullet states to bring injured person to ground level or a safe area; please identify who would be doing this. (e.g. – during construction – contractor responsible for this? During operation – service ground crew?). ii. Last bullet states to call competent third party contractors as required – would this timeframe be a concern, due to access considerations to the island? Should those personnel working on the units be trained in both high angle and self rescue?	Amended text
	e. Emergency Events and Response Protocols i. The list includes "Breakdown / Collapse / Collision" – however this protocol is not discussed further like the others, please incorporate.	Added text - Emergency Response Protocol - Structural Damage
	f. Emergency Response Protocol – Fire/Explosion i. Has the protocol considered fires in the turbine unit? Do the turbines have fire suppression systems built in? The recommendation from Emergency Services is that the operator be responsible for maintaining a foam bank with a type and quantity of foam to ensure a sufficient supply to deal with any flammable liquid emergency, both in the turbines as well as the storage/maintenance facility. Foam proportioning equipment would need to be obtained for the Amherst Island Station and training would have to be provided to personnel on this equipment and proper foam application.	Text amended to clarify that procedure includes fires within any structures including turbines. Turbines do not have fire suppression systems. As prescribed by the Ontario Fire Marshall any fire in a turbine should be "allowed to burn itself out while staff and fire personnel maintain a safe area around the turbine and protect against the potential for spot ground fires that might start due to sparks or falling material." Please provide a further description of the foam bank and proportioning equipment referred to.
	g. Emergency Response to Scheduled Maintenance i. The Township requires a timeline for receipt of the schedule; e.g. a 7 day lead time on receiving regular maintenance activities notifications would be preferred.	Amended text
	h. Emergency Response Protocol – Severe Thunderstorm and Lightning i. Suggest that the protocol also identify what would occur in event that a lightning strike causes material/structural damage – emergency services to be notified; they have identified they would set up a safe perimeter / close road traffic as required and keep everyone out while allowing operations staff to deal with the situation.	Addressed in structural damage section
Environmental Spill	a. Clarify what is meant by "spill containment system." (pg. 14) It isn't discussed elsewhere.	Amended text to clarify.
Marine Safety	a. Barge Activity and Dock Construction; this should state both Ambulance and Fire service in Emergency Situations, not just Ambulance.	Amended text
Appendix A – Organizational Chart	a. Clarify in the text/organizational chart how sub-consultants/contractors to be notified of/or report health and safety issues.	Amended text
Appendix B – Amherst Island Wind Project	a. Need to include contact information for barge operations.	Amended text
Appendix E - Municipal and Regulatory Co	a. Suggest to include Township's (i.e. AECOM's) representatives, as well as Fire Chief	Inserted Fire chief as contact
Note:	a. We noted grammar/punctuation issues throughout (extra bullets, missing periods). Not listed individually as this is a Draft report.	No response required