Appendix O

Hazardous Material Training Plan





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Craig Ryan	21-March-2024	Don Stevens	21-March-2024
Prepared By	Date	Approved By	Date

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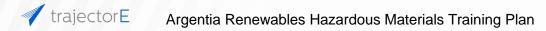




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1 OBJECTIVE

This standard outlines the requirements for hazardous material training and performance within the Argentia Renewables Site. It aims to provide the appropriate information and tools for consistency in its application while retaining appropriate site-specific practices that meet business unit needs.

This Standard covers the mandatory practices that assure adequate training and qualification of personnel whose job duties impact and influence hazardous material response. The program includes initial, and refresher training and qualification. This Standard is aligned and consistent with the Pattern AMS 102 Training Program, which provides a benchmark for new (and revised) workplace learning activities and materials.

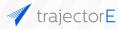
2 OVERVIEW

This training program's main objective is to equip emergency services responders with comprehensive skills across various professions, ensuring their competence during the initial stages of project production startup. The plan establishes a framework outlining training requirements for a three-year period preceding the commencement of manufacturing activities. Specifically targeting firefighters and fire officers, both roles are deemed essential for fire service departments. All courses are mandated to be sourced from a recognized Canadian Fire College, with a particular emphasis on IFSAC and ProBoard certification.

Additionally, this plan integrates training mandates for the Hazardous Materials Response team, supplementing the standard requirements outlined in Argentia Renewables Emergency Response Plan. The Hazardous Material Response Team undergoes training beyond the ERP specifications, emphasizing familiarity with roles and responsibilities in HazMat Response.

The Training Coordinator and Emergency Coordinator have the responsibility of ensuring the Hazardous Materials Response Team adheres to the plan's guidelines. Throughout the program, meticulous documentation of training hours, certifications, and acquired skills will be maintained by the Training Coordinator. To uphold compliance with Canadian regulations and industry standards, regular evaluations and feedback sessions will be conducted, identifying areas for improvement.







3 REFERENCED DOCUMENTS

NFPA 1001	Standard for Fire Fighter Professional Qualifications
NFPA 1072	Hazmat Awareness & Hazmat Operations
DOC-2022-1022	Environmental Assessment Guidance for Registration of Onshore Wind Energy Generation and Green Hydrogen Production Projects
CAN/CSA-Z731-95	Emergency Planning for Industry
Newfoundland and Labrador Regulation 5/12	Occupational Health and Safety Regulations, 2012
AMS 102	Training Program

All applicable Federal, Provincial & Local Regulatory Authority requirements and regulations

4 DEFINITIONS AND ABBREVIATIONS

Pertinent terms are defined in the Argentia Renewables Emergency Response Plan.





5 **RESPONSIBILITIES**

Below are the primary Argentia Renewables emergency roles and responsibilities as required under this Hazardous Materials Training Plan. All Argentia Renewable employees and subcontractors are responsible for knowing the requirements of and acting in accordance with the Site-Specific Emergency Plan.

	Facility Manager (FM)	HSE Advisor or Designate	Emergency Coordinator	Training Coordinator
Management				
Implement this procedure where applicable throughout the operation of the plant.	•	•	•	
Ensure that employees are trained, competent and experienced prior to starting work.		•	•	
Obtain and maintain available on site the current licenses and training in compliance with the regulatory standards for all employees.			•	•
Implement this procedure where applicable throughout the project.	•	•	•	
Ensure that workers are trained, competent and experienced to work prior to work.	•		•	
Planning				
Review the content of training documentation.			•	•
Ensure that the training record form is filled after each training.			•	•
Plan training for employees including "refresher" training.			•	•
Record all the training documentation and certification in a matrix.				•
Operations				
Provide a setup location to perform in- house training.			•	•
Make sure no employee will go on a project or in a facility without the	•	•	•	





appropriate training related to his work.				
Follow emergency and evacuation rules	•	•	•	

6 TRAINING REQUIREMENTS

A thorough three-year training program has been devised to comprehensively equip firefighters and hazardous materials (HAZMAT) technicians in effectively addressing fires, ammonia releases, and hydrogen fires. This collaborative effort with a Canadian fire college is specifically designed for the training of a process plant fire department. The plan provides a step-by-step approach, ensuring that local candidates progress through all necessary training requirements in a logical and chronological sequence.

6.1 GENERAL ORIENTATION

Before starting work on any Argentia Renewable site, all employees (staff, union and subcontractors), subcontractors and visitors must receive a safety orientation, using the Pattern OMS 300 Site Orientation guideline. Employees must sign an orientation acknowledgement once the orientation is complete and understood.

Argentia Renewables Site Specific Safety Orientation shall include but is not limited to:

- Description of the Project
- General site information
- Incident and Injury reporting
- Emergency Phone Numbers
- Emergency Procedures
- Site Specific Hazards
- P.P.E. Requirements
- Environmental Aspects

6.2 HSE TRAINING

Argentia Renewables has the responsibility to train Employees and Emergency Responders for each facility and shift, following legislative requirements, and industry best practices.





6.2.1 EMPLOYEE TRAINING

All employees and visitors will receive Specific Emergency awareness training during their orientation training, which consists of but not limited to:

- Emergency contacts and muster points
- Crisis Management procedure / Emergency Evacuation Plan including emergency routes and assembly areas to be used.
- Ammonia Exposure Control Plan
- Respiratory Protection & Fit Testing (as required)
- Accident reporting procedures.
- Location of first-aid kits and identification of first-aid providers.
- WHMIS
- Chemical spill on-site reporting procedures.
- Regulatory Training (Working at Heights, Confined Spaces)
- Shelter-in-Place.
- Hydrogen properties and behaviour
- Safety requirements for working with or around Ammonia/Hydrogen.
- Procedures for handling ammonia/hydrogen leaks and spills, and the appropriate actions to be taken in case of fire.
- Alarms and other emergency communication systems to be used both at the work area and from the operations department.
- Operating procedures and safe work practices applicable to the employee's tasks

An annual review of the above topics will be conducted with all employees.

ERT TRAINING

A proficient emergency response team will be on standby round the clock to address site emergencies including medical incidents, fires, and emergency releases. The training program detailed in Appendix A spans three years and delineates quarterly training requirements for the ERT. The initial two years of the program concentrate on ERT training, while the third year emphasizes qualifications for emergency coordinators.

All members of the ERT will be trained in the following areas;

Standard First Aid





- High Angle / Confined Space Rescue
- Fire Training
- Mock-up Drills
- Spill Response Training
- Ammonia / Hydrogen emergencies
- Wind Tower emergencies
- All members will be trained to the NFPA 1072 standard "Hazmat Awareness & Hazmat Operations".

Other HSE/ERT trainings will be given based on specific work requirements.

For further details on the two-year training plan refer to Appendix A.

6.2.2 PROVINCIAL REGULATORY HSE TRAINING

On top of the Argentia Renewables minimum trainings, all employees must make sure to take the following Regulatory HSE Training. These include, but not are limited to:

- WorkSafe NL approved Fall Protection training
- WorkSafe NL approved Confined Space training.

6.3 TRAINING RECORDS

All personnel are required to sign a Training Acknowledgment form upon completion of any training. All records shall be kept on the site with copies being sent to the Training Coordinator for electronic data entry and record keeping.

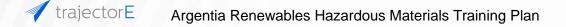
6.4 MINIMUM REQUIREMENTS

Before assuming the role of an emergency response technician, completion of all specified training is mandatory to guarantee that minimum qualification and training standards are achieved.

6.5 PROOF OF COMPETENCY

As indicated in section 5 of the present guideline, Argentia Renewables management team must obtain and maintain available on site the current licenses and proofs of training and qualification in compliance with the regulatory authorities and minimum requirements set by Argentia Renewables for all workers before they are assigned to a role or duty.







Qualification of workers includes testing, skill demonstration (when appropriate), and an Emergency Response Coordinator assessment that the person is competent to independently carry out the designated tasks safely.

6.6 REFRESHER AND SUPPLEMENTAL TRAINING

The purpose of refresher training is to reconfirm competence. Refresher and supplemental training shall be provided to members of the ERT on a frequency as defined in the development plan.

If specified refresher training is not successfully completed within the time interval established for the job, the individual's qualification shall lapse, and the individual will no longer be deemed competent to do the job until requalification is achieved.

All members will be expected to participate in an eight-hour ERT training session each month to maintain efficiency. Training sessions will include theory and practical evolutions.

7 EMERGENCY RESPONSE EQUIPMENT AND VEHICLES

Emergency response equipment and vehicles should be easily accessible for any potential emergency. Furthermore, it's essential to conduct weekly inspections of emergency response equipment. For a comprehensive list of emergency equipment, please consult the Argentia Renewables Emergency Response/Emergency Action Plan. Below are supplementary requirements for equipment/vehicles necessary for the emergency response team.

Firefighting Vehicles / Apparatus	
100-foot aerial ladder with aa 3000 gpm pump, c/w 1 plumbed waterway (along ladder way).	1
Fire Truck, 2000 gpm with Class A and B foam capacity.	1
11' Rescue Body/Truck, 4x4, Roll Out Trays, In-Cab Custom Medical/SCBA Cabinet, Booster Reel, Foam System, NFPA Light Package.	1
2 x 24 ft trailers enclosed	2
1 outfitted for decontamination	
1 outfitted for equipment, dressing etc.	







³ ⁄ ₄ or 1 ton truck with cap on bed.	Trailer towing package	1
required.		

8 PERIODIC REVIEW / AUDIT

This Standard shall be reviewed and revised as necessary and, at a minimum, not later than three years from the date of the last review.





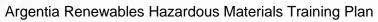


Appendix A

Emergency Response Team Training Plan Table









		A	Argentia	Renewal	bles Eme	ergency l	Respons	e Trainin	g Plan				
Course	Hours	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Firefighter I Certification NFPA 1001	200	Х											
Hazardous Materials Awareness NFPA 1072	8	Х											
Incident Command Awareness ICS 100	6	Х											
	214												
Firefighter II Certification NFPA 1001	100		Х										
Hazardous Materials Awareness NFPA 1072	40		Х										
Emergency Medical Responder	120		Х										
	260												
Hazardous Materials Technician	80			X									
Industrial Firefighting techniques	40			X									
Incident Command Awareness ICS 200	16			X									
	136												
Advanced Firefighting Techniques	40				Х								
Ammonia & Hydrogen Incident Response	40				Х								
· · · · · · · · · · · · · · · · · · ·	80												
Technical Rescue Training	35					Х							
Leadership & Management NFPA 1031	40					Х							
	75												
Incident Command Awareness ICS 300	16						Х						
Pump Operations	36 52						Х						
Advanced Hazardous Materials Response	40							х					
Emergency Planning & Preparedness	40							Х					
	80												







	Argentia Renewables Emergency Response Training Plan												
Course	Hours	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Fire Officer Professional Development													
										Х			
Fireground Management	18									Х			
Fire Officer Level I NFPA 1021	40									X			
Fire Officer Level II NFPA 1021	40										х		
Fire Department Safety Officer	35										х		
ICS Operations Sections Chief	24										Х		
ICS Planning Sections Chief	24											х	
NFPA Fire Inspector I	40											Х	
Emergency Services Instructor Level I	40									Х	Х	Х	Х
Participation in workshops, conferences, and seminars	40									Х	X	Х	Х
Mutual Aid Joint Exercise	24									Х	Х	Х	Х
Cross-Training opportunities with Mutual Aid Fire Departments	40									Х	X	Х	Х
	365												
Total Hours	1262												

