

Agricultural Ammonium Nitrate Code of Practice – SUMMARY OF AMENDMENTS

DATE: *August 24, 2019*

REVISIONS MADE TO: *Agricultural Ammonium Nitrate Code of Practice – Version 4.0*

RATIONALE: *Incoming Regulatory Changes to the Environmental Emergency Regulations*

Section	Description	Item	Current Language	Final Amendment Language
B2	Emergency Response Plan	Change in facility description requirements.	c) An up-to-date map of the property (facility) and surroundings or a complete description	<p>c) A complete description of the property (facility) and surroundings and an up-to-date map of the facility showing the location of on-site ammonium nitrate.</p> <p><u>Explanation:</u> The new <i>Environmental Emergency Regulations, 2019</i> have been published, which update the regulatory requirements for a number of provisions including emergency response (E2) plans. It is now mandated that E2 Plans have both a description of the property and surroundings as well as a map of the facility that shows the location(s) of on-site AN. The Code has been updated to reflect these changes.</p>
B1 (IG)	Product Storage	<p>Language harmonization between the Code and Implementation Guide.</p> <p>Additional language added to note regulatory updates that could affect provided resources.</p>	<p>Facilities storing more than 20 tonnes of ammonium nitrate must prepare an Environmental Emergency Plan as required by <i>CEPA 1999</i> Section 200. Resources for preparing this plan can be found:</p> <p>Environmental Emergency Plan (E2 Plan) http://laws-lois.justice.gc.ca/eng/regulations/SOR-2003-307/index.html</p> <p>The Implementation Guide to preparing an E2 Plan can be found at the following web address: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=1FB6D405-1</p> <p>An E2 Plan preparation checklist can also be found in Appendix 8 of the implementation guide:</p>	<p>Ammonium nitrate storage facilities must be in compliance with the <i>Ammonium Nitrate Storage Facilities Regulations</i>, the National Fire Code and/or Provincial Fire Codes, and the National Building Code.</p> <p>In addition, facilities storing more than 20 tonnes of ammonium nitrate must prepare an Environmental Emergency (E2) Plan as required by <i>the Environmental Emergency Regulations, 2019</i> under the <i>Canadian Environmental Protection Act, 1999</i>.</p> <p>The <i>Environmental Emergency Regulations, 2019</i> can be found at: https://laws-lois.justice.gc.ca/eng/regulations/SOR-2019-51/index.html</p> <p><u>NOTE</u> – The <i>Environmental Emergency Regulations</i> have changed with new provisions coming into force on August 24, 2019. The Government of Canada is in the process of revising preparing and revising their</p>

			<p>http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=1FB6D405-1&offset=17&toc=show</p>	<p>guidance materials. The following resources are provided for information purposes but should be used in combination with the new requirements as specified in the <i>Environmental Emergency Regulations, 2019</i>.</p> <p>Resources for preparing this plan can be found:</p> <p>Frequently asked questions on preparing an E2 Plan: https://www.canada.ca/en/environment-climate-change/services/environmental-emergencies-program/regulations/frequently-asked-questions.html</p> <p>Environment and Climate Change Canada’s Implementation Guide to preparing an E2 Plan: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=1FB6D405-1</p> <p>An E2 Plan preparation checklist can also be found in Appendix 8 of the implementation guide: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=1FB6D405-1&offset=17&toc=show</p> <p><u>Explanation:</u> The AN Code Implementation Guide is a companion document which provides additional guidance and clarification on the requirements under the AN Code. The Implementation Guide references guidance materials provided by Environment and Climate Change Canada for compliance with their <i>Environmental Emergency Regulations</i>. Amendments to these regulations have been published however the associated guidance materials have not yet been updated to reflect the new Regulations. Nevertheless, they remain a valuable information resource and have been maintained in the Implementation Guide.</p> <p>Language has been added to the Implementation Guide to note this. Additionally, language was also added to better align the requirements of the AN Code with the information provided in its Implementation Guide.</p>
--	--	--	--	--

B2 (IG)	Emergency Response Plan	<p>Clarification of emergency response plan guidance.</p> <p>Additional language added to note regulatory updates that could affect provided resources.</p>	<p>An Emergency Response Plan (ERP) and Safety and Security Plan, are very effective tools for planning for a response to emergency situations relating to both the safety and security of the stored product. In order to ensure that major risk events are planned for, including security related incidents; the following requirements must be key features of the ERP:</p> <p>Written ERP – Every facility that stores 20 tonnes ammonium nitrate by weight must have a written ERP. This plan must address all of the major risk events at the facility including security related incidents. As a minimum requirement, the plan must identify the process to be followed in the event of security breach at the facility. This would include contact numbers for security issues, contact numbers for local law enforcement and reporting procedures.</p> <p>Updating of ERP – The ERP has been reviewed and updated within the previous 12 months. Issues to be reviewed may include:</p> <ul style="list-style-type: none"> • Updating of names on the contact list • Updating of contact numbers on the emergency contact list. • Updating of changes at the storage facility. • Communication of updated plan to local law enforcement and emergency responders. Documentation of such communication should be kept on file for auditor inspection <p>Notification of Storage of Ammonium Nitrate – A letter should be sent to local law enforcement informing them of the presence</p>	<p>An Emergency Response Plan (ERP) is an effective tool for planning for a response to emergency situations relating to stored product as well as meeting regulatory requirements such as:</p> <ul style="list-style-type: none"> • Security Plan requirements under the <i>Explosives Regulations</i>; • Environmental Emergency Plan requirements under the <i>Environmental Emergency Regulations</i>; • Other emergency planning requirements as applicable, such as fire planning under the National Fire Code. <p>These planning documents can be separate plans or combined into a single ERP that addresses all identified emergency situations.</p> <p>In order to ensure that major risk events are planned for, including security related incidents; the following requirements must be key features of the ERP:</p> <p>Written ERP – Every facility that stores 20 tonnes ammonium nitrate by weight must have a written ERP. This plan must address all of the major risk events at the facility including security related incidents. As a minimum requirement, the plan must identify the process to be followed in the event of security breach or environmental event at the facility. This would include contact numbers for the people responsible in the event of a security or environmental issue, contact numbers for local law enforcement and/or emergency responders as applicable and reporting procedures.</p> <p>Updating of ERP – The ERP has been reviewed and updated within the previous 12 months. Areas to be reviewed may include:</p> <ul style="list-style-type: none"> • Updating of names on the contact list • Updating of contact numbers on the emergency contact list.
---------	-------------------------	---	---	---

			<p>of ammonium nitrate at the storage facility. It is a strongly recommended best practice to invite local law enforcement officials to the storage site in order to review the storage location of the ammonium nitrate and gain their input to security measures being employed at the facility.</p> <p>Documentation of such communication with local authorities should be kept on file and presented at the time of auditing.</p> <p><i>Explosives Regulations</i> – Full pdf version: http://laws-lois.justice.gc.ca/PDF/SOR-2013-211.pdf</p> <p>Sections 460 (2) and 461 (2) outline the requirements of the Security Plan: http://laws.justice.gc.ca/eng/regulations/SOR-2013-211/page-56.html#h-176</p> <p>Natural Resources Canada provides guidance on preparing this plan: http://www.nrcan.gc.ca/explosives/13971</p>	<ul style="list-style-type: none"> • Updating of changes at the storage facility. • Communication of updated plan to local law enforcement and emergency responders. Documentation of such communication should be kept on file for auditor inspection <p>Notification of Storage of Ammonium Nitrate – A letter should be sent to local law enforcement informing them of the presence of ammonium nitrate at the storage facility. It is a strongly recommended best practice to invite local law enforcement officials to the storage site in order to review the storage location of the ammonium nitrate and gain their input to security measures being employed at the facility.</p> <p>Documentation of such communication with local authorities should be kept on file and presented at the time of auditing.</p> <p><i>Explosives Regulations</i> – Full pdf version: https://laws-lois.justice.gc.ca/eng/regulations/SOR-2013-211/index.html</p> <p>Sections 460 (2) and 461 (2) outline the requirements of the Security Plan: http://laws.justice.gc.ca/eng/regulations/SOR-2013-211/page-56.html#h-176</p> <p>Natural Resources Canada provides guidance on preparing this plan: http://www.nrcan.gc.ca/explosives/13971</p> <p><i>Environmental Emergency Regulations, 2019</i>: https://laws-lois.justice.gc.ca/eng/regulations/SOR-2019-51/index.html</p> <p>Resources for preparing this plan can be found:</p> <p>NOTE – The <i>Environmental Emergency Regulations</i> have changed with new provisions coming into force on August 24, 2019. The Government of Canada is in the process of revising preparing and revising their</p>
--	--	--	---	---

				<p>guidance materials. The following resources are provided for information purposes but should be used in combination with the new requirements as specified in the <i>Environmental Emergency Regulations, 2019</i>.</p> <p>Frequently asked questions on preparing an E2 Plan can be found at the following: https://www.canada.ca/en/environment-climate-change/services/environmental-emergencies-program/regulations/frequently-asked-questions.html</p> <p>Environment and Climate Change Canada’s Implementation Guide to preparing an E2 Plan can be found at the following web address: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=1FB6D405-1</p> <p>An E2 Plan preparation checklist can also be found in Appendix 8 of the implementation guide: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=1FB6D405-1&offset=17&toc=show</p> <p><u>Explanation:</u></p> <p>The AN Code Implementation Guide is a companion document which provides additional guidance and clarification on the requirements under the AN Code. Section B2 requires the preparation of an Emergency Response Plan for a site storing ammonium nitrate which considers and plans for environmental and security related emergency events. Changes to this section intend to provide additional information on options and considerations when writing an emergency response plan and better reflect the need to consider environmental situations as required by the AN Code.</p> <p>Additionally, the Implementation Guide references guidance materials provided by Environment and Climate Change Canada for compliance with their <i>Environmental Emergency Regulations</i>. Amendments to these regulations have been</p>
--	--	--	--	---

				published however the associated guidance materials have not yet been updated to reflect the new Regulations. Nevertheless, they remain a valuable information resource and have been maintained in the Implementation Guide.
--	--	--	--	---