



Summary of Protocol Changes Agrichemical Warehousing Standards 2011 to 2019 Edition

Overall comments:

As part of our commitment to continuous improvement, AWSA's technical committee, in consultation with our auditor force and Board of Directors, reviewed the warehousing standards and, as necessary made changes.

Following is a summary of the major changes to individual protocols.

| No. | Current Protocol (2011 Ed.) | Proposed New Protocol (2019 Ed.) | Comment |
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| B5 | The lunchroom, washrooms, cleanup facility and office if connected to the certified warehouse area are designed to provide a separate ventilation system to reduce odours and ensure a healthy workplace. | The lunchroom, washrooms, cleanup facility and office if connected to the certified warehouse area are designed to provide a separate ventilation system to reduce odours and ensure a healthy workplace. | This protocols is now MANDATORY where previously it was 10 points. Auditor notes: ventilation system that may not be separate ventilation, but has negative flow capability would be deemed acceptable. |
| B11 | Windows that have been installed in interior walls/doors required to have a fire resistance rating are wired glass and <u>are not less than 6mm thick</u> , mounted in fixed steel frames. | Windows that have been installed in interior walls/doors required to have a fire resistance rating of <u>two hours</u> , mounted in fixed steel frames. | This was modified to recognize that not all fire rated glass is wired. Sites that previously passed this protocol will continue to be in compliance with the 2019 protocols. |

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| B18 | Certified warehouse area, initially certified after December 31, 1996, has retention curbing, 10 cm minimum around the perimeter. | Certified warehouse area, initially certified after December 31, 1996, has retention curbing, 10 cm minimum around the perimeter. | <p>The protocol wording remains that same. The observation notes were clarified, stating:</p> <p><i>“Angle iron must be made of sufficient gauge in order to prevent damage during routine operations. Angle iron must be a minimum of 6 mm (1/4 inch) in thickness.”</i></p> |
| C27 | Vehicles and implements, which <u>are motorized</u> are not permitted to be stored in the certified warehouse area. | <p>Vehicles and implements, which are <u>fuel powered</u>, are not permitted to be stored in the certified warehouse area.</p> <p>Added:</p> <p>4. Seed Treatment and handling equipment are permitted to be stored in the certified warehouse area, if local regulations permit.</p> <p>5. Pumps for transferring agrichemical products are permitted within the warehouse area.</p> | <p>Clarification that fuel powered vehicles are not permitted in the warehouse area.</p> <p>Auditor notes modified to clarify allowances for seed treatment equipment and pumps for product transfer.</p> <p>Auditor note: motorized fork lifts allowed.</p> |

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| D4 | <p>All forklift drivers who work within the certified warehouse area have undergone lift truck training provided by a qualified trainer.</p> <p><u>Observations:</u></p> <p>Determine whom the forklift truck drivers are who work within the certified warehouse area during the development of the organizational chart. The owner or manager of a facility may appoint a qualified employee as a trainer provided this is documented and signed by the owner or manager. Examine forklift training certificates.</p> | <p>All forklift drivers who work within the certified warehouse area have undergone lift truck training provided by a qualified trainer.</p> <p><u>Observations:</u></p> <p>Determine whom the forklift truck drivers are who work within the certified warehouse area during the development of the organizational chart. Examine forklift training certificates. <u>Trainers must meet the qualifications as outlined in CSA B335-15.</u></p> | <p>Observations modified to clarify the new training requirements under CSA B335-15.</p> <p>A guidance bulletin will be provided outlining the requirements of CSA B335-15</p> <p>Compliance phase in period of one audit cycle (2 years) effective January 01, 2019.</p> |

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| D6 | <p>This site has developed and implemented an Occupational Health and Safety training program for all employees working within the certified warehouse area comprising of:</p> <ul style="list-style-type: none"> a) Safe work permits for confined workspace entry, hot work (cutting and welding) and lock out. b) Information on the rights of employees to refuse or stop unsafe work c) Responsibilities of management and employees under the appropriate labour legislation. d) The use of an eye wash station e) Fire extinguisher training (hands on/discharge) | <p>This site has developed and implemented an Occupational Health and Safety training program for all employees working within the certified warehouse area comprising of:</p> <ul style="list-style-type: none"> a) Safe work permits for confined workspace entry, hot work (cutting and welding) and lock out. b) Information on the rights of employees to refuse or stop unsafe work c) Responsibilities of management and employees under the appropriate labour legislation. d) The use of an eye wash station e) Fire extinguisher training (hands on/discharge) f) <u>Use and maintenance of personal protection equipment</u> | <p>Condition f) use and maintenance of personal protection equipment (<u>20 points</u>) was added to reflect the importance of PPE equipment.</p> <p>This requirement is consistent with other codes managed by AWSA.</p> |

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| D7 | <p>Training has been provided for appropriate personnel on:</p> <p>a) First aid training b) Cardiopulmonary Resuscitation (CPR)</p> <p><u>Observations:</u> Inspect the valid certificate of at least one employee on the site for first aid and CPR training. Sites, where the owner is the sole operator, are exempt.</p> | <p>Training has been provided for appropriate personnel on:</p> <p>a) First aid training b) Cardiopulmonary Resuscitation (CPR)</p> <p><u>Observations:</u> Inspect the valid certificate of at least one employee on the site for first aid and CPR training. Sites, where the owner is the sole operator, are exempt. <u>On-line training is not acceptable.</u></p> | <p>Observations clarified that online training for first aid and CPR is not acceptable.</p> |
| D8 | <p>Annual training has been provided for appropriate personnel on the execution of the ER Plan for the site.</p> | <p>a) Annual training has been provided for appropriate personnel on the execution of the ER Plan for the site. b) <u>Information has been provided to contractors/site visitors on emergency procedures that pertain to them.</u></p> | <p>Protocol D9 is now two parts. Part (b) is a new <u>MANDATORY</u> requirement. This increases site safety and is consistent with other codes managed by AWSA.</p> |

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| E5 | There is documentation indicating the certified warehouse area electrical installation has been inspected by a licensed electrician, engineer or appropriate electrical authority since the last audit for defects/hazards | <p>a) There is documentation indicating the certified warehouse area electrical installation (<u>includes lights, globes, wiring, switches, motors, circuit breakers, fans and main panel</u>), has been inspected by a licensed electrician, engineer or appropriate electrical authority since the last audit for defects/hazards.</p> <p>b) <u>There is documentation indicating the certified warehouse area gas installations have been installed and inspected in accordance with CSA B149-15</u></p> | <p>Protocol E5 is now two parts.</p> <p>Part (b) is a new <u>MANDATORY</u> requirement.</p> <p>Auditor Note: applicable to all gas installations (propane/natural gas) effective January 01, 2019.</p> <p>Inspection frequency every 5 years from date of installation (or as per manufacturer guidelines).</p> |
| E9 | If the building has a fire suppression system, there is a documented maintenance program and available for inspection. | If the building has a fire suppression system, there is a documented maintenance program and available for inspection. | <p>The protocol is now <u>MANDATORY</u>. Previously it was 30 points.</p> <p>This change reflects the need for maintenance programs for fire suppression systems.</p> |

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| E11 | <p>The certified warehouse area has established written procedures for the care and use of the following emergency equipment:</p> <ul style="list-style-type: none"> a) first aid kit b) eyewash station or eyewash/shower c) fire extinguishers d) respirator and chemical cartridge | <p>The certified warehouse area has established written procedures for the care and use of the following emergency equipment <u>and safety</u>:</p> <ul style="list-style-type: none"> a) first aid kit b) eyewash station or eyewash/shower c) fire extinguishers d) respirator and chemical cartridge e) <u>personal protection equipment</u> | <p>Condition e) was added. This coincides with the change in protocol D6.</p> <p>(e) is scored at <u>10 points</u>.</p> |
| E16 | <p>A sampling of shipping documents was inspected and these documents included the receiving AWSA Certification Number, or a grower name or number to whom the product was shipped.</p> <p>Shipments to individual end users will not exceed their requirements.</p> | <p>A sampling of shipping documents was inspected and these documents included the receiving AWSA Certification Number <u>(and/or Accredited Seed Treatment Operation Certification Number)</u>, or a grower name or number to whom the product was shipped.</p> <p>Shipments to individual end users will not exceed their requirements.</p> | <p>This protocol was modified to include verification that designated seed treatment products are only shipped to accredited seed treatment operations.</p> |
| E18 | <p>All extinguishers were tagged to signify they had been inspected monthly while the certified warehouse area was occupied.</p> | <ul style="list-style-type: none"> a) All extinguishers were tagged to signify they had been inspected monthly while the certified warehouse area was occupied. b) <u>The current annual certified inspection tags must be attached to the fire extinguishers.</u> | <p>Protocol E18 is now two parts.</p> <p>Part (b) is a new <u>MANDATORY</u> requirement.</p> |

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| E19 | There exists a standard operating procedure requiring all accidents/incidents, thefts or suspicion acts be investigated and recorded. | There exists a standard operating procedure requiring all accidents/incidents, thefts or suspicion acts be investigated and recorded. | The protocol is now <u>MANDATORY</u> . Previously it was 30 points. This change reflects the need for proper occurrence reporting. |
| F3 | The employees at this site can explain the established procedures for the care and/or use of emergency equipment such as: a) first aid kits b) eyewash stations c) fire extinguishers d) respirators & cartridges | The employees at this site can explain the established procedures for the care and/or use of emergency <u>and safety</u> equipment such as: a) first aid kits b) eyewash stations c) fire extinguishers d) respirators & cartridges e) <u>personal protection equipment</u> | Condition e) was added. This coincides with the change in protocol D6 and E11. (e) is scored at <u>10 points</u> . |

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| G1 | This site's written Emergency Response (ER) Plan was reviewed with the auditor and it included: | <p>This site's written Emergency Response (ER) Plan was reviewed with the auditor and it included:</p> <p>a) A dated index that references page numbers and contains an organizational chart that details the following:</p> | <p>A new provision for a dated index was added to this protocol for consistency with the other codes under AWSA management.</p> <p>The reminder of this protocol remains the same. The old "a-f" provisions now appear as "b-g".</p> <p>The observation now includes:</p> <p>a) The ER plan will be dated with the date of the last revision.</p> |
| H14 | Management has developed and implemented written procedures for their bulk handling. | <p>a) Management has developed and implemented written procedures for their bulk handling.</p> <p>b) <u>Each employee working in the bulk storage/handling area must have and use appropriate personal protection equipment as per label and SDS requirements.</u></p> | <p>Protocol H14 is now 2 parts.</p> <p>Part (b) is <u>MANDATORY</u>.</p> <p>The PPE requirement is consistent with other changes in the standards.</p> |