

March 26, 2009

Requirements for the Installation of Dust Collector as per the Fire Code, O.Reg. 213/07 made under the Fire Protection and Prevention Act 1999, as amended, NFPA 91 – 1999 and NFPA 68 – 1994.

1. These requirements apply to both new and used dust collector systems.
2. Please provide 3 sets of architectural, mechanical, electrical and fire protection drawings showing the dust collector and the associated exhaust system installation, sealed, signed and dated by a Professional Engineer as required by the Ontario Building Code.
3. Please provide an original letter, professionally sealed, signed and dated, confirming that the entire installation is designed in accordance with the Fire Code and relevant NFPA standards.
4. Architectural drawing should show the location of the dust collector(s) in or outside of the building, a cross section of the dust collector and exhaust duct showing clearances to walls and penetration through floors or roof structures.
5. Show the method of make up air required for the dust collector exhaust. Provide a calculation of the dust collector exhaust air flow and the air make up air flow including hear loss and heat make up.
6. Show the method of explosion venting required for the dust collector. Provide a calculation of the dust collector explosion vent sizing. Where compliance with explosion venting is not achievable, alternative solution shall be applied for.
7. Show the method of fire protection such as spark detection and extinguishment, and sprinkler protection for special hazard inside the dust collector.
8. Ministry of Environment approval is required for Industrial Process Exhaust prior to installation. Please provide a copy of the application for the Certificate of Approval from the Ministry of Environment.
9. A Pre-Start Health and Safety Review of the dust collection system is required to be prepared by a Professional Engineer prior to occupancy according to Subsection 7.(1) of Reg. 851 – Industrial Establishments, Occupational Health and Safety Act. Provide a letter from a Professional Engineer certifying that a copy of PSR has been made available on site.
10. Fire department review is required for this permit. Fire Plans Examination phone is (905) 832-8510 extension 8203.