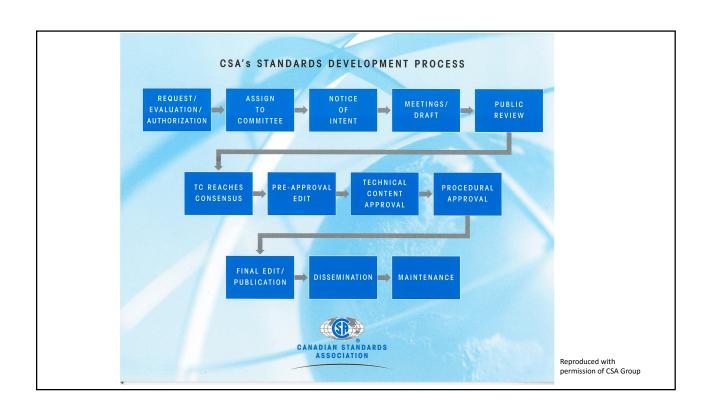
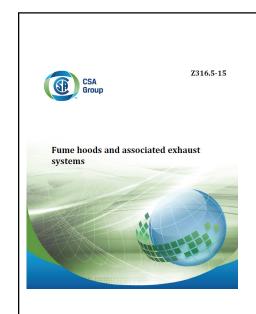


Our agenda

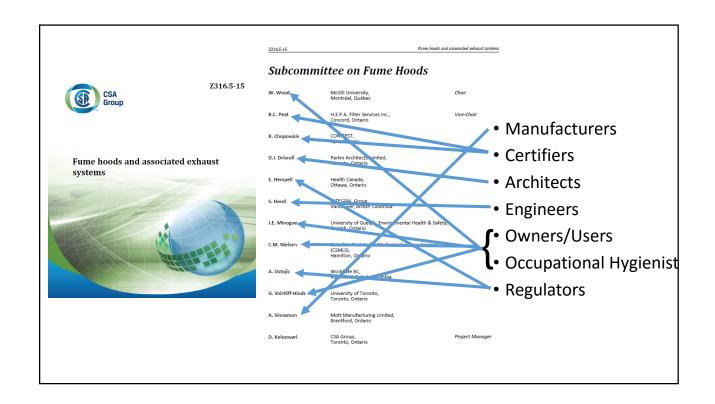
- CSA the standard-setting process
- The stakeholders
- The Z316.5-15 technical subcommittee
- Content of Z316.5-15
- Z316.5-04 and sustainability
- Q&A

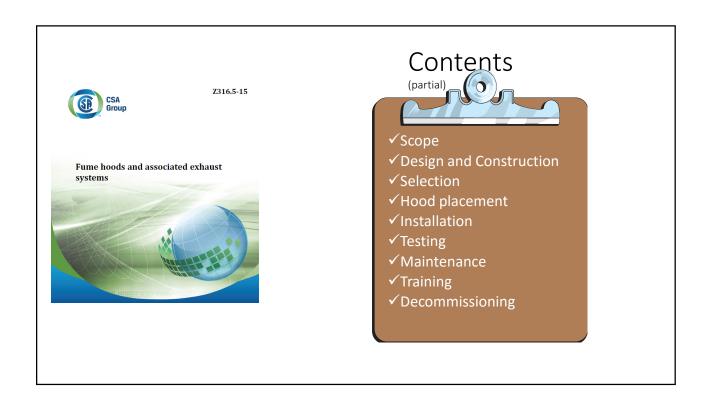


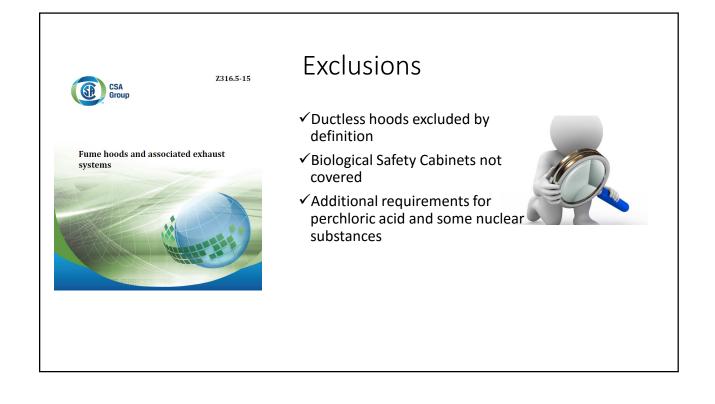


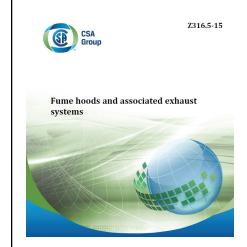
Stakeholders

- Manufacturers
- Certifiers
- Architects
- Engineers
- Owners/Users
- Occupational Hygienists
- Regulators





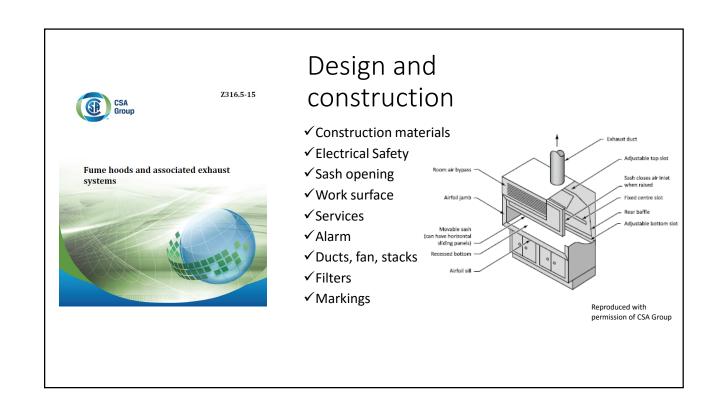




Sustainability Issues

- ➤ Energy consumption
- ➤ Life cycle
- ➤ Decontamination and decommissioning
- ➤ Safety performance





Stack location: a case study

<u>Before</u>:

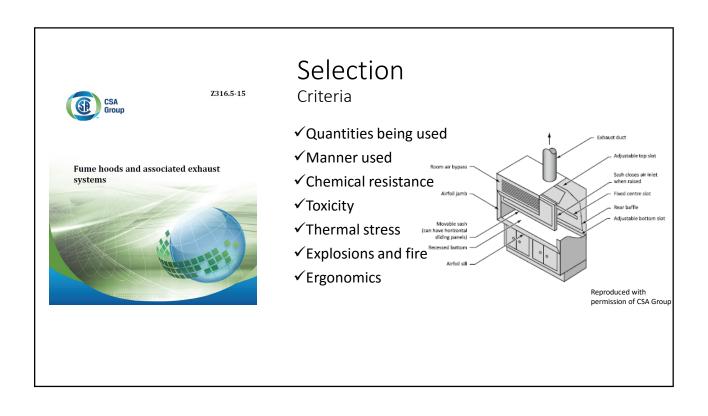


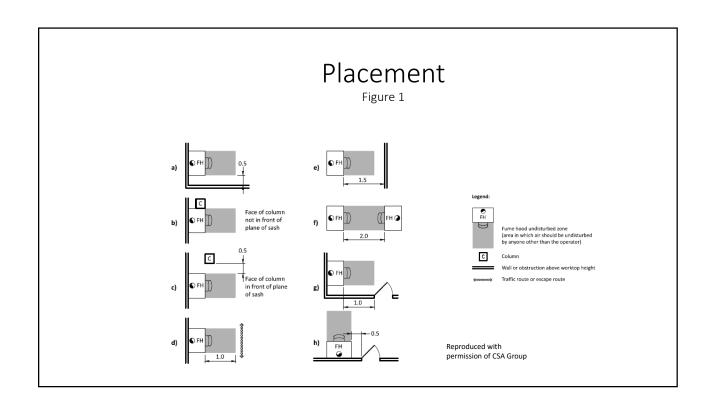
<u>After</u>:

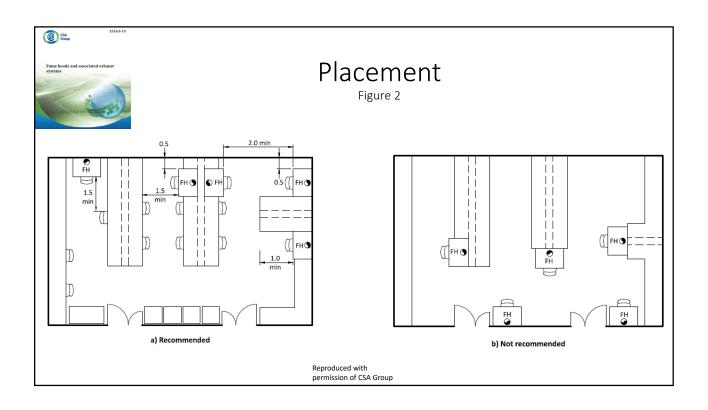


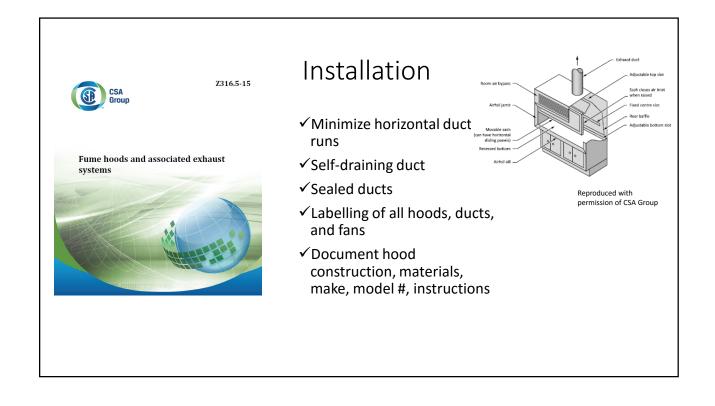
Now:

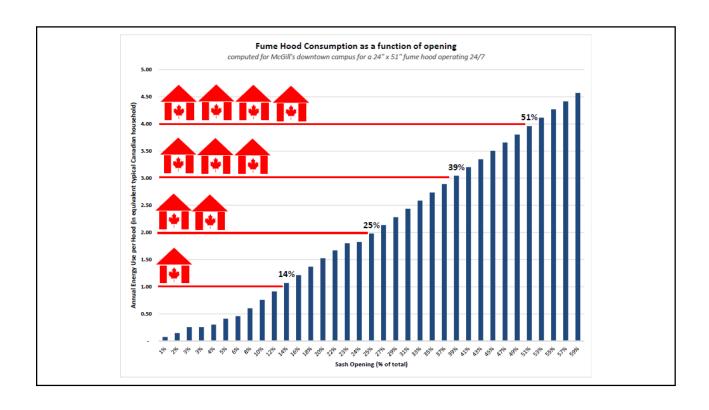


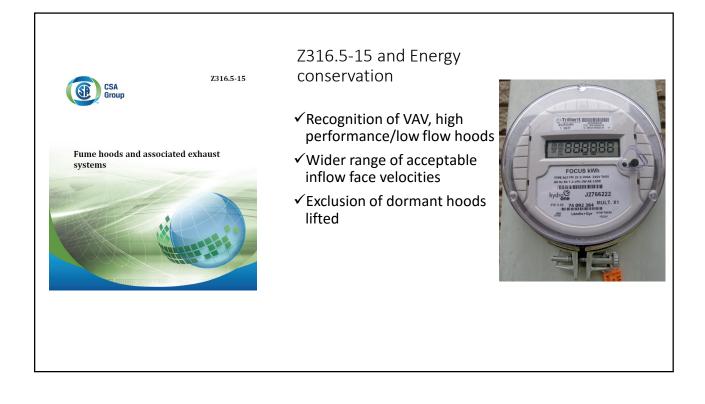


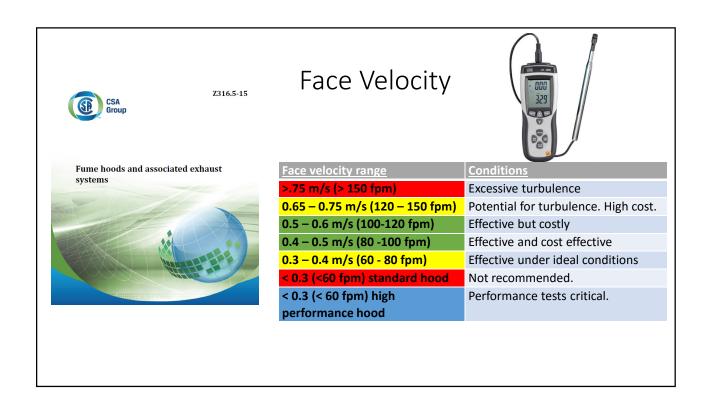


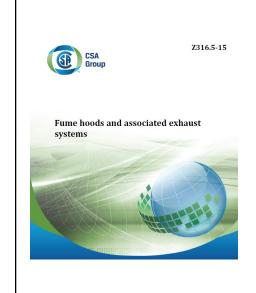








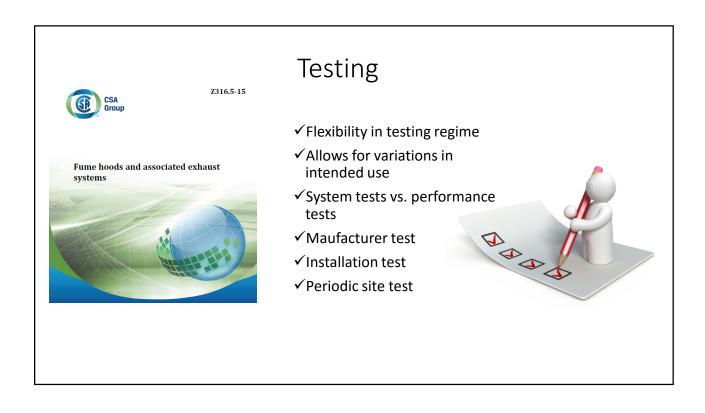


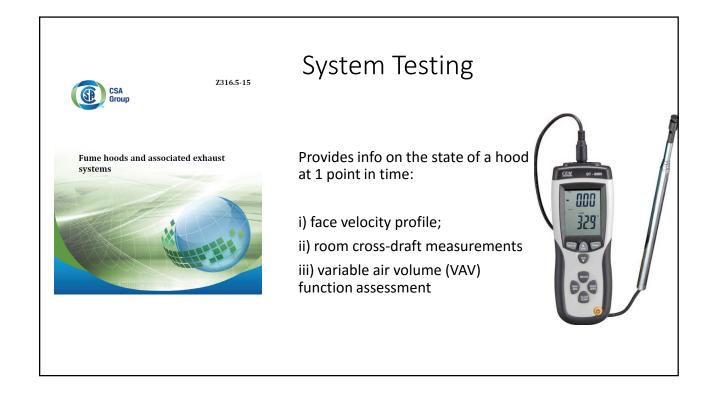


Dormant Hoods

- ✓ Inactive and not containing hazardous materials
- ✓ Risk assessment before making hood dormant
- ✓ Provide visible or audible alert that hood is active









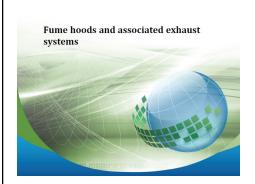
Z316.5-15

Performance Testing



Provides info on the ability of a hood to capture, contain, and exhaust.

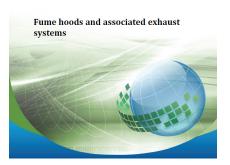
- i) Airflow visualization analysis
- ii) Tracer gas containment (ASHRAE 110)



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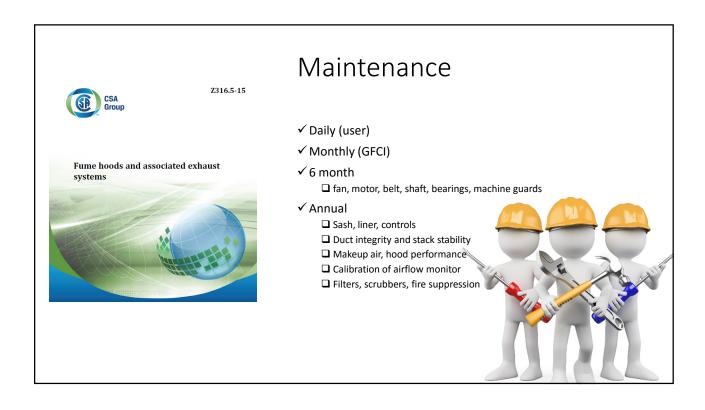
Z316.5-15

Test Result Classification

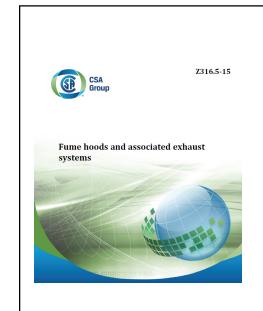


Classification	A	В	C	D
		With valid benchmark data	With no valid benchmark data	
General				
Inspection	1	1	✓	✓
System tests				
Face velocity	1	1	1	✓
Room cross draft	1	1	1	✓
VAV function*	✓	1	✓	✓
Performance tests				
Airflow visualization	1	1	1	
Tracer gas containment	✓			

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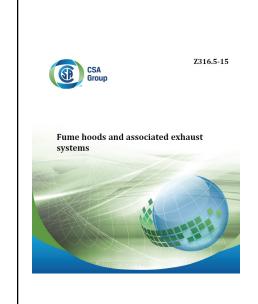




Decommissioning

- √ History of substances previously used →
 PPE and Decon method
- ✓ Perchloric acid special requirements
- √ Removal of residues
- ✓ Disconnection of services
- ✓ Proper disposal of components
 - ☐ Haz waste
 - □E-waste
 - ☐Regular trash
- ✓ Documentation





To access the standard or to watch a video overview:



http://shop.csa.ca/en/canada/medical-laboratorysystems/z3165-15/invt/27020942015

