

# **Ventilation systems: documentation for each school**

Student's health and safety are of utmost importance to the Fraser Cascade school district.

Our facilities staff are working hard to ensure our school ventilation systems are being kept in good working order and to ensure our schools are maximizing the systems at each site.

Below are completed overviews of the systems at each school.

- Ventilation System Overview – Agassiz Elementary Secondary School
- Ventilation System Overview – Boston Bar Elementary School
- Ventilation System Overview – Coquihalla Elementary School
- Ventilation System Overview – Harrison Elementary School
- Ventilation System Overview – Hope Secondary School
- Ventilation System Overview – Kent Elementary School
- Ventilation System Overview – Silver Creek Elementary School
- Ventilation System Overview – District Portables
- Ventilation System Overview – District Board Office

# VENTILATION SYSTEM OVERVIEW

This template has been developed to support school districts in sharing information on ventilation systems at the school level. This includes information on how systems meet requirements for regular inspection and maintenance, and additional mitigations that have been put in place to promote student and staff safety throughout the pandemic.

<b>School District:</b>	78 - FraserCascade
<b>School Name:</b>	District portables – Coquihalla, Kent, TREC, ACE, CE Berry
<b>REQUIREMENT:</b> Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: 2021-08-23
	Date of next inspection: 2021-12-01
	Date and type of most recent maintenance: Quarterly filter changes and monthly inspection
<b>RECOMMENDATION:</b> Increase supply of outside air	Yes/No: Yes
	Detail: HRV provide constant air exchanges. Outside air ducted to furnace return air.
<b>RECOMMENDATION:</b> Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: Yes
	Detail (Including filter grade):  All filters upgraded
<b>RECOMMENDATION:</b> Use other air cleaning or treatment technologies	Yes/No: No
	Detail:
<b>RECOMMENDATION:</b> Manage energy use and air distribution through building automation control systems	Yes/No: No
	Detail: Programmable thermostats installed on all furnaces to meet desired temperatures during building occupancy. Fan runs constantly to purge air.
<b>Other Relevant Information:</b>	
<b>District Contact for any Questions:</b>	Name: Doug Templeton
	Phone Number: 604-798-4011
	Email: doug.templeton@sd78.bc.ca

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<b>School District:</b>	78 - FraserCascade
<b>School Name:</b>	Harrison Hot Springs Elementary
<b>REQUIREMENT:</b> Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: 2021-08-30
	Date of next inspection: 2021-12-01
	Date and type of most recent maintenance: Quarterly filter changes and daily monitoring
<b>RECOMMENDATION:</b> Increase supply of outside air	Yes/No: Yes
	Detail: Modulating dampers set to 15% min outside air
<b>RECOMMENDATION:</b> Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: Yes
	Detail (Including filter grade): All units upgraded to Merv 13 filters
<b>RECOMMENDATION:</b> Use other air cleaning or treatment technologies	Yes/No: No
	Detail:
<b>RECOMMENDATION:</b> Manage energy use and air distribution through building automation control systems	Yes/No: Yes
	Detail: Constant monitoring of classroom temp. Co <sup>2</sup> monitors in classrooms
<b>Other Relevant Information:</b>	
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<b>School District:</b>	78 - FraserCascade
<b>School Name:</b>	Coquihalla Elementary
<b>REQUIREMENT:</b> Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: 2021-08-27
	Date of next inspection: 2021-12-01
	Date and type of most recent maintenance: Quarterly filter changes and daily monitoring
<b>RECOMMENDATION:</b> Increase supply of outside air	Yes/No: Yes
	Detail: Modulating dampers in all units provide constant fresh air. Full building air exchange at night.
<b>RECOMMENDATION:</b> Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: Yes
	Detail (Including filter grade): All HVAC units have been upgraded to Merv13
<b>RECOMMENDATION:</b> Use other air cleaning or treatment technologies	Yes/No: No
	Detail: All schools in district have upgraded HVAC and mechanical systems
<b>RECOMMENDATION:</b> Manage energy use and air distribution through building automation control systems	Yes/No: Yes
	Detail: Full DDS control and monitoring in place at all schools.
<b>Other Relevant Information:</b>	
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<b>School District:</b>	78 - FraserCascade
<b>School Name:</b>	Boston Bar Elementary Secondary
<b>REQUIREMENT:</b> Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: 2021-08-27
	Date of next inspection: 2021-12-01
	Date and type of most recent maintenance: Quarterly filter changes and daily monitoring
<b>RECOMMENDATION:</b> Increase supply of outside air	Yes/No: Yes
	Detail: Modulating dampers in all units provide constant fresh air. Full building air exchange at night.
<b>RECOMMENDATION:</b> Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: Yes
	Detail (Including filter grade): All HVAC units have been upgraded to Merv13
<b>RECOMMENDATION:</b> Use other air cleaning or treatment technologies	Yes/No: No
	Detail: All schools in district have upgraded HVAC and mechanical systems
<b>RECOMMENDATION:</b> Manage energy use and air distribution through building automation control systems	Yes/No: Yes
	Detail: Full DDS control and monitoring in place at all schools.
<b>Other Relevant Information:</b>	
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<b>School District:</b>	78 - FraserCascade
<b>School Name:</b>	Agassiz Elementary Secondary
<b>REQUIREMENT:</b> Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: 2021-08-27
	Date of next inspection: 2021-12-01
	Date and type of most recent maintenance: Quarterly filter changes and daily monitoring
<b>RECOMMENDATION:</b> Increase supply of outside air	Yes/No: Yes
	Detail: Modulating dampers in all units provide constant fresh air. Full building air exchange at night.
<b>RECOMMENDATION:</b> Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: Yes
	Detail (Including filter grade): All HVAC units have been upgraded to Merv13
<b>RECOMMENDATION:</b> Use other air cleaning or treatment technologies	Yes/No: No
	Detail: All schools in district have upgraded HVAC and mechanical systems
<b>RECOMMENDATION:</b> Manage energy use and air distribution through building automation control systems	Yes/No: Yes
	Detail: Full DDS control and monitoring in place at all schools.
<b>Other Relevant Information:</b>	
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<b>School District:</b>	78 - FraserCascade
<b>School Name:</b>	Kent Elementary
<b>REQUIREMENT:</b> Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: 2021-08-27
	Date of next inspection: 2021-12-01
	Date and type of most recent maintenance: Quarterly filter changes and daily monitoring
<b>RECOMMENDATION:</b> Increase supply of outside air	Yes/No: Yes
	Detail: Modulating dampers in all units provide constant fresh air. Full building air exchange at night.
<b>RECOMMENDATION:</b> Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: Yes
	Detail (Including filter grade): All HVAC units have been upgraded to Merv13
<b>RECOMMENDATION:</b> Use other air cleaning or treatment technologies	Yes/No: No
	Detail: All schools in district have upgraded HVAC and mechanical systems
<b>RECOMMENDATION:</b> Manage energy use and air distribution through building automation control systems	Yes/No: Yes
	Detail: Full DDS control and monitoring in place at all schools.
<b>Other Relevant Information:</b>	
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<b>School District:</b>	78 - FraserCascade
<b>School Name:</b>	Hope Secondary
<b>REQUIREMENT:</b> Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: 2021-08-27
	Date of next inspection: 2021-12-01
	Date and type of most recent maintenance: Quarterly filter changes and daily monitoring
<b>RECOMMENDATION:</b> Increase supply of outside air	Yes/No: Yes
	Detail: Modulating dampers in all units provide constant fresh air. Full building air exchange at night.
<b>RECOMMENDATION:</b> Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: Yes
	Detail (Including filter grade): All HVAC units have been upgraded to Merv13
<b>RECOMMENDATION:</b> Use other air cleaning or treatment technologies	Yes/No: No
	Detail: All schools in district have upgraded HVAC and mechanical systems
<b>RECOMMENDATION:</b> Manage energy use and air distribution through building automation control systems	Yes/No: Yes
	Detail: Full DDS control and monitoring in place at all schools.
<b>Other Relevant Information:</b>	
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<b>School District:</b>	78 - FraserCascade
<b>School Name:</b>	Silver Creek Elementary
<b>REQUIREMENT:</b> Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: 2021-08-20
	Date of next inspection: 2021-12-01
	Date and type of most recent maintenance: Quarterly filter changes and daily monitoring
<b>RECOMMENDATION:</b> Increase supply of outside air	Yes/No: Yes
	Detail: Modulating dampers in all HVAC units provide constant fresh air. Full air purge at night.
<b>RECOMMENDATION:</b> Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: Yes
	Detail (Including filter grade): All HVAC units have been upgraded Merv 13
<b>RECOMMENDATION:</b> Use other air cleaning or treatment technologies	Yes/No: No
	Detail: Our District has upgraded HVAC systems in all schools and portables
<b>RECOMMENDATION:</b> Manage energy use and air distribution through building automation control systems	Yes/No: Yes
	Detail: Full DDS control and monitoring in place at all schools.
<b>Other Relevant Information:</b>	
<b>District Contact for any Questions:</b>	Name: Doug Templeton
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<b>School District:</b>	78 - FraserCascade
<b>School Name:</b>	District Board Office
<b>REQUIREMENT:</b> Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: 2021-08-27
	Date of next inspection: 2021-12-01
	Date and type of most recent maintenance: Quarterly filter changes and daily monitoring
<b>RECOMMENDATION:</b> Increase supply of outside air	Yes/No: Yes
	Detail: Modulating dampers in all units provide constant fresh air. Full building air exchange at night.
<b>RECOMMENDATION:</b> Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: Yes
	Detail (Including filter grade): All HVAC units have been upgraded to Merv 13
<b>RECOMMENDATION:</b> Use other air cleaning or treatment technologies	Yes/No: No
	Detail: All schools in district have upgraded HVAC and mechanical systems
<b>RECOMMENDATION:</b> Manage energy use and air distribution through building automation control systems	Yes/No: Yes
	Detail: Full DDS control and monitoring in place at all schools.
<b>Other Relevant Information:</b>	
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