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.

School District:	28 - Quesnel
School Name:	Dragon Lake Elementary
REQUIREMENT: Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: July 11, 2023
	Date of next inspection: December 19, 2023
	Date and type of most recent maintenance: Units all inspected. Filters changed, monitored by DDC daily.
RECOMMENDATION: Increase supply of outside air	Yes/No: Yes
	Detail: Increased amount of outside fresh air, where possible, and lowered CO2 levels on DDC to increase fresh air, when possible.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: Yes
	Detail (Including filter grade): Upgraded to a MERV 8 filter, the highest possible filter which will not do damage to the HVAC equipment. Did a district-wide filtration audit. Increased filter changes from 2 to 3 times a year.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes/No: No
	Detail: At this time, the HVAC unit does not support other treatment options.
RECOMMENDTION: Manage energy use and air distribution through building automation control systems	Yes/No Yes
	Detail: The energy use is controlled through the DDC (Direct Digital Control). This has software which monitors all the HVAC equipment for CO2 levels, air flows, temperature settings, power levels, schedules, etc. This can all be set and adjusted for changing needs. In the event of system failures, alarms are sent to notify HVAC staff.
Other Relevant Information:	Monitor DDC daily.
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