



The Board of Education of School District No. 83 (North Okanagan-Shuswap)

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PARKVIEW ACTION SUMMARY

Sept 9th:

- Flooding in Sicamous due to city storm not keeping up. Bad odor in school. Ventilated school and addressed issues with odor from custodial room, leaking hot water tank and large ½ full composting bin that had been in the school over the weekend.
- Glynn attended site with Ops staff who went through all areas of the school; crawlspace, sanitary drains, air handlers, attic and electrical

Sept 11th:

- Air sampling taken as a precaution by Apex EHS for dry mold only

Sept 10-12:

- Odor had improved.
- Hot water tank removed and replaced to main floor from crawlspace

Sept 12:

- Clear air sample report received for dry mould from APEX EHS Services

Sept 13:

- Rained overnight and odor returned. Did another inspection of entire building (inconclusive). Contacted Okanagan Restoration. OK Restoration inspected building. As a precaution, OK Restoration treated some areas in the crawl space, installed air scrubbers in halls, rooms and provided dehumidification in one crawl space.

Sept 13-15:

- District custodial staff emptied the entire suspect storage/classroom space and cleaned area and classroom with an enzyme cleaning agent.

Sept 16:

- Odor still in building.
- Initiated VOC testing with VOHS Consulting
- Initiated contact with WorkSafe BC and Interior Health.
- SD Staff isolated west wing and set up negative air pressure with assistance from Kimco.

Sept 17:

- Complaints of some odor in office area outside of containment.
- Adjusted negative air in west wing.
- Explored plumbing and drain systems with camera. Nothing found.
- WorkSafe visited site to review conditions.
- SD staff performed preventive maintenance in area.
- SD staff used district 4-gas Personal Gas Detector, % LEL, O₂, H₂S, CO which did not alarm
- Mechanical contractor used personal VOC detector which detected trace compound on new roof

Sept 18:

- SD staff sent to monitor negative air and odour – West wing still found in a negative
- VOC testing scheduled for Sept 19 with VOHS Consulting

- Interior Health emailed a list of questions and will be on site Sept 19 in the am
- SD OHS manager had a toolbox talk with SD Operations staff re: Mold remediation and exposure

Sept 19:

- Interior Health performed a site inspection and interviewed staff
- WorkSafe visited site
- VanDriel OHS Consulting visited site and performed testing for VOCs, viable mold, as well as air quality sampling for co2, co, temperature and relative humidity
- Received verbal notification from Interior Health that the steps we had taken to remediate indoor air quality and mitigate risk has not been successful and that we can not occupy the building.
- Alternate sites for students visited and assessed. Decision made relocate students.

Sept 20:

- Received official recommendation from Interior Health.
- Planning meeting with key staff for moving students to alternate locations.

Sept 20-22:

- Teachers and Principal prepared furniture and needed resources for transport to alternate locations.

Sept 22:

- District moving team relocated the majority of furniture and resources to alternate sites.

Sept 23:

- Remainder of resources to be relocated to alternate sites
- Finalize busing schedule
- Provide modifications at alternate sites for additional students

Sept 25:

- No entry signs posted on school and alarm passcodes changed
- OK Restoration attended site with SD Staff to assess space and check equipment
- All HVAC and Restoration equipment was turned off to allow school to "rest"
- Scheduled OK Restoration for Friday to review whole School District #83

Sept 27:

- SD staff and OK Restoration inspected entire school for possible signs of water penetration or any other anomalies. OK Restoration to give a report to SD when complete
- SD staff ordered a second VOC test to be completed by VanDriel OHS at their earliest convenience with HVAC systems remaining off.
- SD staff scheduled consultation meeting for Mon Sept 30 with Watterson Geoscience

Sept 30

- SD staff met with Watterson Geoscience. Inspected entire school for possible signs of water penetration or any other anomalies. Scheduled Watterson for Oct 3 to dig 5 test pits to collect subsurface information. Report to SD 83 when complete

Oct 1

- SD staff met with Falcon Engineering. Inspected entire school for possible signs of water penetration or any other anomalies. Evaluated all HVAC/mechanical systems in school. Report to SD 83 to follow

Oct 2

- VanDriel OHS Consulting scheduled 2nd VOC testing for air clearances. Additionally, Interior Health has requested testing for Nitrogen Dioxide and Sulphur Dioxide.

Oct 4

- Watterson Geoscience performed testing on site with 5 excavation areas around west side of school.

Oct 5-6

- SD received reports from Watterson Geoscience, Falcon Engineering and VOHS for all inspection and engineering services.

Oct 7

- Parkview school will allow staff to re-enter for short exposure only (2 hour) as of 3:00pm
- Trevor B and Glynn W are in the process of compiling all reports and recommendations.

Oct 9

- Met with Interior Health at Parkview Elementary to review all work to date and consultant's reports and recommendations.

Oct 10

- Preliminary approval from Interior Health to re occupy Parkview Elementary

Oct 11 to date (Work In Progress, should be completed by Nov 1st)

- Use existing ventilation fan to vent crawlspace in office gym area that was once used for laminator in book storage room.
- Install ventilation in custodial rooms
- (Interim) waterproof exterior of crawlspace in suspect areas around perimeter of school.

Oct 11 to date (In Planning)

- Develop and secure funding for capital upgrades to crawlspace – slurry coat the soil floor and proper duct work for Gym return air system

Oct 21

- Official approval from Medical Health Officer/Interior Health to re occupy Parkview Elementary

Oct 23 to Date

- Planning logistics of moving all required furniture and materials back to Parkview. This work to commence on Fri Nov 8th. Details to follow.

Oct 29

- Received final report VOHS

Nov 5

- Interior Health requests to be informed of mitigation strategies, physical and operational prior to school re-entry, to be informed of changes in air quality once school re-opens, to inform them of any reports of staff or student illness that could be potentially related to air quality, and to keep them informed on the progress of long term mitigation activities.

Nov 6

- Completion of the exterior wall waterproofing at the water penetration areas that will work through this winter. More permanent work will be done next spring
- Exhaust fans are now operational in the 2 custodial rooms
- Crawlspace exhaust fan is operational
- Part of our long-term mitigation strategy is to duct the return in the crawlspace. We have abandoned the return in the crawlspace, capped it off, and are installing new electric furnaces in the gym, eliminating the need for gym crawlspace return.
- We are in the process of planning a capital upgrade to the crawlspace with regard to a concrete skim coat to the existing gravel floor.

Nov 15

- VOHS is performed a 3rd round of air quality testing on Friday November 15th after school has been in occupied state for a few days

Dec 10

- Received report from Nov 15 testing

Dec12

- School District Ops staff clean duct vent areas with enzyme cleaner as noted in VOHS report

Dec 16

- School District Ops staff attempt to address CO2 saturation levels to ASHRAE standards as per VOHS recommendation
- CO2 levels saturation levels are being meet, mechanical engineering and air balancing is required to optimize saturation level as per VOHS report

Jan 6

- Watterson Geoscience was contacted for follow up on concrete skim coat for crawlspace. SD 83 was advised the company had a death in the family to the owner and they recommended another company. SD 83 has reached out for support on the skim coat

Jan 17

- Modern PureAir preforms duct cleaning as per VOHS recommendation and provide report

Jan 23

- SD Ops staff follow up on all outstanding Work Orders to sign off and complete work except for skim coat which is in the capital development stage