



383 Industrial Way, Suite 300 Anchorage Alaska 99501

January 30th, 2017

City of Valdez
212 Chenega Ave
Valdez, AK 99686

Attn: Jennifer Patton

RE: Fire Station One – Microbial IAQ Screening 01-12-17

On January 12th, 2017, White Environmental Consultants (WEC) performed IAQ (indoor air quality) inspection and sampling within the vehicle bays, EMS supply room, living quarters and day room of Fire Station One located in Valdez, Alaska. Air samples were collected at the request of our client, The City of Valdez. WEC spread representative sampling in and around the areas of concern. There was no visible microbial growth within the areas of concern at the time of inspection.

Microbial IAQ air samples were collected from the first and second floors of the structure, and one microbial IAQ air sample was collected outdoors for comparison purposes. Allergenco D cassettes were utilized for all air samples collected at the property. The air quality at the time of inspection was acceptable, with no discernable amounts of fungal spores present in the sampling locations.

Particulate Air Sampling – Allergenco D Cassette

The Allergenco D air quality sampler is a particulate sampling cassette designed for the rapid collection and analysis of a wide range of airborne aerosols including mold spores, pollen, insect parts and skin fragments. This sampling device is useful in providing rapid analysis of airborne contaminants in indoor air quality testing, allergy testing and flood restoration monitoring. The results are reported as a total, meaning spores counted can include both viable and non-viable fungal spores.

WEC collected six Allergenco D indoor air quality samples total. (See attached analytical results)

Air Sample Results

Client ID #	Collection Date	Sample Description	Sample Location	Results Total Fungal Spores Count/M ³
001	01/12/17	Allergenco D	Outside Building	<53
002	01/12/17	Allergenco D	West side ambulance bay	<53
003	01/12/17	Allergenco D	East side ambulance bay	<53
004	01/12/17	Allergenco D	Living quarters, west side	<53
005	01/12/17	Allergenco D	Living quarters, east side	<53
006	01/12/17	Allergenco D	Day room, south end	<53
007	01/12/17	Allergenco D	Day room, north end	160
008	01/12/17	Allergenco D	Hallway in front of EMS room	110
009	01/12/17	Allergenco D	Fire engine bay, center	<53
010	01/12/17	Allergenco D	EMS supply room	<53

<53= Below Limit of detection

Conclusions

The following conclusions are based on our inspection of visually accessible areas and the results of microscopic examination of air samples:

- No Signs of visible microbial growth were detected at the time of inspection.
- Areas of concern were dry.
- Fungi and fungi levels found during sampling are typical and does not represent current active fungal amplification within the areas of concern. No moisture indicating spores were detected in samples upon analysis.
- Relative humidity levels were at acceptable levels at all sampling locations.
- Sample correlation show fungal types extremely similar to what would be typical for the weather conditions and the season of the year and building conditions. All other fungi types illustrate non-significant amounts of fungal spore that typically would be seen at the current season and time of year. In summary, on the basis of this mold screening investigation, WEC offers the following recommendations:
- If MVOC's are detected in the future search for possible water intrusion and repair under restoration conditions by a licensed certified remediation firm.
- Maintain humidity levels below 60% to discourage mold growth.

Respectfully,



Brett O'Bray - CMC (Board Certified Microbial Consultant)
Vice President
White Environmental Consultants Inc.

