ENTEK

MOLD INVESTIGATION

NOVEMBER 15, 2005

BY

DEPARTMENT OF GENERAL SERVICES

117

MEMORANDUM

Date: December 1, 2005

To: Michael Davis, Building Manager III
405 N Street
Sacramento, CA 95814

From: Lance Lister, Associate Industrial Hygienist
Department of General Services- Real Estate Services Division
Building and Property Management Branch
Environmental Safety Health Operations Program
1304 O Street, Suite 300, Sacramento, CA 95814

Subject: INDOOR AIR SAMPLING FOR BOE BUILDING

In November 2005, stationary area indoor airborne aerosol samples were conducted in the 450 N Street building located Sacramento, California in response to indoor air quality concerns. Results of the investigation show all samples were within normal operating parameters. This report will detail the results of the samples taken for mold spores.

Stationary Area Indoor Airborne Aerosol Monitoring Results

Due to the potential that suspended particles could cause adverse health effects, air sampling was performed on the 22nd floor to characterize the presence of airborne particles within the areas of concern. It is important to note that standards for the indoor airborne aerosol contaminants that were analyzed for do not currently exist. The results are used to identify "potential" problems and are not compared to any legislated criteria.

The attached detailed analytical results indicate relatively typical and normal constituents of suspended particles for the areas sampled. Low levels of mold spores were observed in all rooms. As a general rule, total indoor airborne spore concentrations in a "typical" clean HVAC supplied building are typically less than outside concentrations. The indoor levels found on the 22nd floor are well below the outdoor sample taken outside on 12th floor. The results of the air samples indicate satisfactory air being provided to the employees in the areas of concern

Please call me at (916) 327-0552 if you have any questions or need additional information.

Cc: Marilee Witt, Chief Engineer, BOE
Vince Paul, BPM Environmental, Health and Safety Manager

Attachment

ATTACHMENT

TABLE 1

It is important to note that standards for indoor airborne aerosol contaminants listed in the table below do not currently exist. The results are used to identify "potential" problems and are not compared to any legislated criteria. As a general rule, total indoor airborne spore concentrations in a "typical" clean HVAC supplied building are typically less than outside concentrations. The indoor levels found on the 22nd floor are well below the outdoor sample taken outside on 12th floor. Listed below are the detailed analytical results.

450 N Street –Board of Equalization Building

INDOOR AIR SAMPLING RESULTS

DATE SAMPLED AND SAMPLE LOCATION	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL MOLD SPORES (*Cts/m³)	**360**	**640**	**440**	**10,811**
Aspergillus/Pencillium	200	160	240	520
Alternaria	**ND	**ND	**ND	93
Ascopores	**ND	360	40	1440
Basidiospores	80	80	160	2679
Cladosporium	80	40	**ND	5999
Epicoccum	**ND	**ND	**ND	53
Pollen	**ND	**ND	**ND	13
Smuts/Peric/Myxomycetes	**ND	**ND	**ND	13

*Counts Per Cubic Meter of Air

**Not Detected; Below the analytical limit of detection

12C