

# GREGORY BATESON STATE OFFICE BUILDING 1600 9th STREET, SACRAMENTO CA

## SUBJECT: RESULTS OF AIR SAMPLING ON MAY 2, 2002

As a result of the Bateson Atrium Repair Project, air sampling was performed as a precautionary measure to examine and identify bioaerosol airborne particle levels in occupied spaces of the building.

Indoor and outdoor air monitoring for molds, pollen and suspended particles was conducted on May 2, 2002, with the ventilation system operating normally. Non-culturable methods were used to collect and analyze the samples. The table below lists the types and concentrations of mold spores and other particles found in these samples. These results show typical and expected types of suspended particles and mold spores.

Particle levels ranged from few to moderate for dust & opaque particles and few to moderate for skin cell fragments, within the locations sampled. None of the mold results suggest an increased amount of mold spores in the indoor air. These results are typical of mold spores found in modern occupied buildings.

There are no current standards in the State of California for mold spores, pollens or allergens in indoor air.

In summary, these air samples do not suggest mold growth within the areas sampled.

The total indoor spore counts for mold types were less than the outdoor control, and the types found, as well as their distribution, were similar to the outdoor control.

Detailed indoor stationary area air monitoring results follow:

DATE / SPACE SAMPLED SAMPLE # / LOCATION	5/02/02-OUTSIDE Sample # 2296343 OUTSIDE	5/02/02-M Room Sample # 2296338 INTAKE GRD. FLR.	5/02/02-RM. 439 Sample # 2296324 AIR PLENUM	5/02/02-ATRIUM Sample # 2296341 GROUND FLOOR
<b>TOTAL MOLD SPORES (*Cts/m3)</b>	<b>2,641</b>	<b>994</b>	<b>80</b>	<b>1,521</b>
Alternaria	20	**ND	**ND	**ND
Ascospores	500	160	13	400
Basidiospores	880	460	33	460
Chaetomium	**ND	7	**ND	20
Cladosporium	800	240	7	480
Epicoccum	**ND	**ND	**ND	**ND
Penicillium/Aspergillus	80	60	20	100
Rusts	120	**ND	**ND	**ND
Torula	20	40	**ND	**ND
Smuts / Periconia**	**ND	7	**ND	20
Other Hyaline Fungi	**ND	**ND	**ND	**ND
Other Brown Fungi	**ND	**ND	**ND	**ND
Hyphae Fragments	**ND	**ND	**ND	**ND
Algal Spores	**ND	**ND	**ND	**ND
<b>TOTAL POLLEN (*Cts/m3)</b>	220	20	7	40
<b>OTHER FRAGMENTS (*Cts/m3)</b>	few	moderate	few	moderate
Pinus (Pine)	**ND	**ND	**ND	**ND
Not Specified	**ND	**ND	**ND	**ND
<b>OTHER AEROSOLS (*Cts/m3)</b>	**ND	**ND	**ND	**ND
Skin Cell Fragments	few	moderate	few	moderate
Fiberglass	**ND	**ND	**ND	**ND
Fiberglass / Mineral Wool	**ND	**ND	**ND	**ND
Cellulosic Fibers	**ND	**ND	**ND	**ND
Opaque Particles/Dust	few	moderate	few	moderate
Insect Parts	**ND	**ND	**ND	**ND

\* Counts Per Cubic Meter Of Air

\*\* Not Detected; Below The Analytical Limit Of Detection