MONTHLY SUMMARY REPORT

INDUSTRIAL HYGIENE SERVICES AT THE DEPARTMENT OF INTERIOR MAIN MODERNIZATION PROJECT

1849 C ST., NW
WASHINGTON, DC

Contract No. GS11P07YAD0040
Order GS-P-11-07-DC-0372
ACT No. PJ7N03329
MACTEC Project 809007W012

Report No. 7
1 March 08 through 31 March 08

Prepared For
Mr. James Hodges, CHMM
GSA NCR Safety, Environment, and Fire Protection Branch
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Report No. 7: 1 March 08 through 31 March 08
Order Period of Performance: 31 July 07 through 1 Aug 08

1.0 PROJECT SUMMARY

The General Services Administration National Capital Region (GSA NCR) Safety, Environment, and Fire Protection Branch contracted with MACTEC Federal Programs, Inc. (MACTEC) to provide industrial hygiene monitoring services during renovation activities associated with the Department of Interior Main Modernization project located at 1849 C St., NW in Washington, DC. MACTEC industrial hygienists providing on-site support during this time period included Whitney Bishop, Chelsea Ford, Chris Weaver, Weston Casey, and Colin Grigg. MACTEC provided industrial hygiene support on two shifts daily, which included the day shift (approximately 6:00 am – 3:00 pm), and the night shift (approximately 7:00 pm – 5:00 am). Weekend and holiday support was also provided as needed.

MACTEC began work on the project on July 31, 2007, and continues to date. This report covers the period from March 1, 2008 through March 31, 2008. During that time period, asbestos and lead-based paint abatement was conducted by three contractors: Basic Industries, Southern Insulation and EDS.

2.0 ABATEMENT AND SAMPLING ACTIVITIES

Abatement of asbestos-containing pipe, duct insulation and ceiling tiles, as well as light fixture removals, continued on the first floor through the penthouse. TEM clearance samples were collected on all full containments and mini-built containments. PCM clearance samples were collected for mini pop-up containments, as well as glove-bag removal and emergency clean-up. Ambient air sampling continued daily in the corridors of the occupied areas. EDS continued lead abatement on other building components on the 1st floor in the East wing, as well as the penthouse.

All phase contrast microscopy (PCM) air samples were analyzed by MACTEC industrial hygienists on-site. On-site analysts have successfully completed a NIOSH 582 equivalent course on the collection and analysis of asbestos air samples, as well as a Virginia Project Monitor course. Transmission electron microscopy (TEM) air samples were analyzed by RJ Lee Group in Monroeville, PA, or Aerosol Monitoring and Analysis (AMA) in Lanham, MD.

3.0 ENGINEERING CONTROL VERIFICATION ACTIVITIES

MACTEC performed daily direct-read monitoring of nuisance dust and total volatile organic compounds (TVOC). Daily measurements were collected in the hallways adjacent to construction areas to confirm the effectiveness of engineering controls already in place. Smoke tests were also performed daily at construction entrances to visually verify negative pressure around entrance doors. In addition, MACTEC responded to occupant indoor air quality (IAQ) complaints as requested by the Modernization Office. Weekly summary reports were provided to GSA and the DOI Modernization Office documenting dust and TVOC sampling results.

In an effort to evaluate the demolition/renovation contractors' compliance with the Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) IAQ guidelines, MACTEC performed daily walk-throughs of the construction areas on all floors. A checklist provided by the DOI Modernization Office was used to evaluate compliance areas and provide an overall qualitative compliance "score".

Ambient air samples for asbestos were collected on every floor of the building during each work day of the reporting period. One ambient air sample collected on March 6, 2008, in the main corridor of the basement had an elevated fiber count result when analyzed on-site by PCM. The sample was sent for confirmatory TEM analysis, with no asbestos fibers detected. All ambient air samples for asbestos were within applicable occupancy standards.

4.0 ATTACHMENTS

The following attachments are provided for your records:

Attachment A – Ambient Air Sampling Daily Summaries
Attachment B – Ambient Air Sampling Data Sheets (PCM)
Attachment C – Abatement Monitoring Daily Summaries
Attachment D – Abatement Air Sampling Data Sheets (PCM/TEM)