## CONCLUSIONS

Personal samples were taken for operators while performing Debonding, Delining (Chopping), Disc Brake Riveting, Clutch Disc Drilling, and Receiving (Sorting) operations. Eight-hour time-weighted average (8-hour TWA) exposures to asbestos fibers, for those operators sampled, were calculated based upon the concentration of fibers identified as asbestos in each sample by Transmission Electron Microscopy (TEM) analysis. The 8-hour TWA exposure to asbestos fibers for all operators sampled approached or exceeded the Action Level of 0.1 fibers per cubic centimeter of air.

The 8-hour TWA exposure to asbestos fibers for the Debonding, Disc Brake Riveting, and Clutch Disc Drilling operators sampled exceeded the Permissible Exposure Level of 0.2 fibers per cubic centimeter of air as established by OSHA Standard 1910.1001.

A summary of the results is as follows:

| OPERATOR | OPERATION | 8-HOUR TWA |
|---|---|---|
| 1. Wayne Jackman | Debonding | 0.2840 asbestos fibers/cubic centimeter of air |
| 2. Glen Richardson | Deliner operator | 0.1090 asbestos fibers/cubic centimeter of air |
| 3. Calvin Brindley | Disc Brake riveter | 0.3892 asbestos fibers/cubic centimeter of air |
| 4. Salvador Gonzalez | Clutch Disc driller | 0.2623 asbestos fibers/cubic centimeter of air |
| 5. Tracy Hill | Receiving (Sorting) operator | 0.0864 asbestos fibers/cubic centimeter of air |

As a result of these asbestos sampling results, a formal Asbestos Exposure Control Program should be developed and implemented in accordance with OSHA Standard 1910.1001.

The calculated 8-hour TWA exposure to perchloroethylene vapors, for the Cleaning Room operator sampled, was below the applicable hygienic standard. However, general area samples indicated the presence of perchloroethylene vapors within the Cleaning Room workplace.

Ms. Wignall indicated that perchloroethylene is to be phased out as a degreasing solvent, however, to reduce the potential for employee exposure to organic vapors during Degreasing operations, a formal Degreaser Maintenance/Inspection Program should be implemented to