

## Appendix B:

### Suggested MIC Reading and Consultant/Reviewer List

### Suggested MIC Reading

The following list of articles, papers, and books were found helpful during the MI Magnet LCW System repair efforts. It is only a small sampling of available literature on the-subject, much of it specific to our particular situation (MIC of austenitic stainless steel).

- 1 Borenstein, S.W., 1994, *Microbiologically Influenced Corrosion Handbook*, Woodhead Publishing, Cambridge.
- 2 Chung, Y., Mantle, H.J., Lasko, G.E., 1995, 'Selective Attack in Microbiologically Influenced Corrosion of UNS S30800 and S32100 Welds', *Corrosion/95*, 13-1, National Association of Corrosion Engineers, Houston, TX.
- 3 Husted G.R., 1998, 'Sanitization: A Comparison of Different Sanitants Used in Microelectronics High-Purity Water Systems', *Ultrapure Water*, January.
- 4 Husted G.R., 1998, 'Plant Operator: Biocides for Thin-Film Composite RO Elements', *Ultrapure Water*, March.
- 5 Li, P., Buchanan, R.A., Lundin, C.D., Angell, P., Tuthill, A.H., and Avery, R.E., 1995, 'Laboratory Studies of Microbially Influenced Corrosion of Stainless Steel Weldments in Simulated Tennessee River Water', *Corrosion/95*, 40-1, National Association of Corrosion Engineers, Houston, TX.
- 6 Li, P., Buchanan, R.A., Lundin, C.D., Sachs, D.E., Tuthill, A.H., Avery, R.E., and Bullen, J., 1995, 'Corrosion Studies of Stainless Steel Weldments in a Microorganism-Containing Arizona Ground Water System', *Corrosion/95*, National Association of Corrosion Engineers, Houston, TX.
- 7 Lukanich, J., 1998, 'Solving Biofilm Problems: Preventing Equipment Fouling and Corrosion', *Chemical Processing*, February.
- 8 Lula, R.A., Parr J.G., and Hanson, A., 1986, *Stainless Steel*, American Society for Metals.
- 9 Motomura, Y., and Yabe, K., 1991, 'Piping Materials and Distribution Systems for Advanced Ultrapure Water', *Proceedings of Semiconductor Pure Water and Chemical Conference*, Balazs Laboratories Inc., Santa Clara, CA.
- 10 Pope, D.H., Duquette, D., Wayner, P.C., and Johannes, A.H., 1989, *Microbiologically Influenced Corrosion: A State of the Art Review*, MTI Publication No. 13, National Association of Corrosion Engineers, Houston, TX.
- 11 Riedewald, F., 1997, 'Biofilms in Pharmaceutical Waters', *Pharmaceutical Engineering*, November/December.
- 12 Thielsch, H., and Freeman, S., 1997, 'Microbiological Corrosion in Municipal Water Treatment Plant Piping', *Water Engineering & Management*, Vol. 144 (No. 5), May.

- 13 Tuthill, A.H., Avery, R.E., Musich, J., Pinnow, K., and Lutey, R., 1995, 'Corrosion of Stainless Steel Piping in High Manganese Fresh Water', *Corrosion/95*, 54-1, National Association of Corrosion Engineers, Houston, TX.
- 14 Uhlig, H.H., and Revie, R.W., 1985, *Corrosion and Corrosion Control*, John Wiley & Sons, New York.

## Consultants & Reviewers

The following list of consultants and reviewers consists of those people enlisted to help advise and review the MI Magnet LCW System repair efforts. Along with their names are listed their current affiliations and, if they acted as reviewers, which reviews they participated in. In most cases, reviewers also acted as helpful advisors. They appear in alphabetical order.

- 1 Dowling, Matthew, *Thielsch Engineering Inc.*, Cranston, Rhode Island. (Welding Engineering, Weld Repair Method Review).
- 2 Enzien, Michael V., *Nalco Chemical Company*, Naperville, Illinois. (Microbiology).
- 3 Herro, Harvey, *Nalco Chemical Company*, Naperville, Illinois. (Metallurgy).
- 4 Packer, Kenneth F., *Packer Engineering*, Naperville, Illinois. (Mechanical Engineering).
- 5 Pope, Daniel H., *Bioindustrial Technologies Inc.*, Georgetown, Texas. (Microbiology, Pipe Cleaning Review).
- 6 Rose, Robert M., *Massachusetts Institute of Technology*, Cambridge, Massachusetts. (Metallurgy, Weld Repair Method Review & Pipe Cleaning Review).
- 7 Smith, Ken, *Packer Engineering*, Naperville, Illinois. (Mechanical Engineering).
- 8 Strack, Steve, *Packer Engineering*, Naperville, Illinois. (Metallurgy).