

**Appendix M:**  
**Weld Repair Review Report**

# THIELSCH ENGINEERING, INC.

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April 29, 1998

Mr. Patrick G. Hurh  
Mechanical Design Engineer  
Fermi National Accelerator Laboratory  
P. O. Box 500MS 340  
Batavia, IL 60510-0500

SUBJECT: Review of Quality Control Program for Repair of the Cooling Water System

Dear Pat,

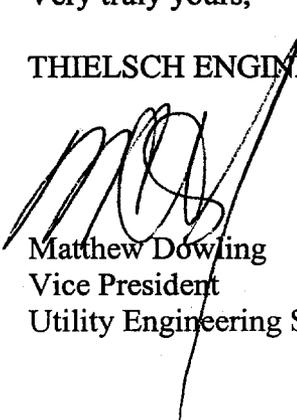
This letter is to provide you with my comments concerning the Quality Control Program developed for the repair to the cooling water system for the electromagnets at your facility. The four specifications for the repair will result in a technically acceptable weld. This is provided that the biological control of the cooling water is maintained. The repairs will meet or exceed the original design requirements.

After review of these procedures it is considered that the repairs will result in a weld suitable for continued service for a period of at least 10 years within the systems operating parameter.

If in the meantime you have any questions or need any additional information, please feel free to contact us at (401) 467-6454.

Very truly yours,

THIELSCH ENGINEERING, INC.



Matthew Dowling  
Vice President  
Utility Engineering Services

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cc: Helmut Thielsch