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June 15, 1994

10 CFR Part 50
Section 50.55a

US Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Response to Request for Information
Concerning Inservice Testing Program Relief Request PR-6

By letter dated February 15, 1994, Monticello Nuclear Generating Plant provided a response to issues identified in the NRC Safety Evaluation for Monticello's Third Ten-Year Inservice Testing Program. Our February 15, 1994 correspondence also contained a revision to Inservice Testing Program Relief Request PR-6 for NRC Staff review. Relief Request PR-6 requests relief from the code required vibration alert limit and the resulting increased pump test frequency for the High Pressure Coolant Injection (HPCI) Pump and proposes an alternate pump vibration alert limit.

On May 24, 1994, Beth Wetzel of the NRC Staff requested that the available pump vibration data for the HPCI Pump be provided as supporting information for Relief Request PR-6. Attachment 1 provides the requested data.

This letter contains no new NRC commitments, nor does it modify any prior commitments.

Please contact Marv Engen, Sr Licensing Engineer, at (612) 295-1291 if you require further information.

Roger O Anderson
Director
Licensing and Management Issues

c: Regional Administrator - III, NRC
NRR Project Manager, NRC
Sr Resident Inspector, NRC
State of Minnesota
Attn: Kris Sanda

Attachment 1: Vibration Data for the HPCI PUMP

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Attachment 1
Vibration Data for the HPCI PUMP

Vibration Data for the HPCI Main Pump, Point 3, Inches/Second

| Data Point | Date | 3A | 3H | 3V |
|------------|----------|-------|-------|-------|
| 1 | 1/3/89 | 0.154 | 0.274 | 0.144 |
| 2 | 1/30/89 | 0.144 | 0.384 | 0.179 |
| 3 | 2/28/89 | 0.154 | 0.204 | 0.344 |
| 4 | 2/28/89 | 0.154 | 0.204 | 0.344 |
| 5 | 4/3/89 | 0.219 | 0.364 | 0.204 |
| 6 | 4/7/89 | 0.164 | 0.329 | 0.169 |
| 7 | 5/2/89 | 0.214 | 0.474 | 0.194 |
| 8 | 5/31/89 | 0.314 | 0.479 | 0.164 |
| 9 | 6/13/89 | 0.179 | 0.354 | 0.184 |
| 10 | 7/5/89 | 0.204 | 0.204 | 0.154 |
| 11 | 8/1/89 | 0.239 | 0.474 | 0.154 |
| 12 | 11/10/89 | 0.204 | 0.214 | 0.204 |
| 13 | 11/20/89 | 0.204 | 0.344 | 0.194 |
| 14 | 11/21/89 | 0.204 | 0.364 | 0.204 |
| 15 | 11/29/89 | 0.214 | 0.374 | 0.189 |
| 16 | 1/3/90 | 0.274 | 0.324 | 0.179 |
| 17 | 1/30/90 | 0.274 | 0.524 | 0.214 |
| 18 | 2/26/90 | 0.244 | 0.364 | 0.204 |
| 19 | 4/3/90 | 0.214 | 0.464 | 0.194 |
| 20 | 6/29/90 | 0.204 | 0.364 | 0.164 |
| 21 | 6/29/90 | 0.219 | 0.379 | 0.189 |
| 22 | 10/2/90 | 0.204 | 0.319 | 0.204 |
| 23 | 1/4/91 | 0.244 | 0.444 | 0.174 |
| 24 | 5/31/91 | 0.239 | 1.040 | 0.154 |

Vibration Data for the HPCI Main Pump, Point 3, Inches/Second

| Data Point | Date | 3A | 3H | 3V |
|------------|----------|-------|-------|-------|
| 25 | 7/6/91 | 0.194 | 0.379 | 0.164 |
| 26 | 10/1/91 | 0.204 | 0.364 | 0.164 |
| 27 | 12/31/91 | 0.274 | 0.559 | 0.194 |
| 28 | 3/31/92 | 0.244 | 0.544 | 0.144 |
| 29 | 6/29/92 | 0.219 | 0.404 | 0.284 |
| 30 | 9/29/92 | 0.219 | 0.404 | 0.244 |
| 31 | 10/27/92 | 0.194 | 0.424 | 0.154 |
| 32 | 11/24/92 | 0.244 | 0.514 | 0.184 |
| 33 | 12/29/92 | 0.179 | 0.324 | 0.154 |
| 34 | 1/26/93 | 0.239 | 0.424 | 0.154 |
| 35 | 3/25/93 | 0.194 | 0.324 | 0.204 |
| 36 | 6/29/93 | 0.194 | 0.389 | 0.164 |
| 37 | 9/29/93 | 0.204 | 0.364 | 0.169 |
| 38 | 11/23/93 | 0.184 | 0.324 | 0.194 |
| 39 | 2/21/94 | 0.176 | 0.336 | 0.156 |
| 40 | 3/29/94 | 0.221 | 0.391 | 0.176 |
| 41 | 5/23/94 | 0.148 | 0.299 | 0.191 |

Vibration Data for the HPCI Main Pump, Point 4, Inches/Second

| Data Point | Date | 4A | 4H | 4V |
|------------|----------|-------|-------|-------|
| 1 | 1/3/89 | 0.204 | 0.419 | 0.154 |
| 2 | 1/30/89 | 0.164 | 0.319 | 0.184 |
| 3 | 2/28/89 | 0.199 | 0.284 | 0.224 |
| 4 | 2/28/89 | 0.199 | 0.284 | 0.224 |
| 5 | 4/3/89 | 0.194 | 0.434 | 0.134 |
| 6 | 4/7/89 | 0.184 | 0.434 | 0.114 |
| 7 | 5/2/89 | 0.189 | 0.454 | 0.134 |
| 8 | 5/31/89 | 0.244 | 0.469 | 0.104 |
| 9 | 6/13/89 | 0.154 | 0.394 | 0.154 |
| 10 | 7/5/89 | 0.184 | 0.454 | 0.114 |
| 11 | 8/1/89 | 0.194 | 0.464 | 0.104 |
| 12 | 11/10/89 | 0.144 | 0.364 | 0.104 |
| 13 | 11/20/89 | 0.199 | 0.449 | 0.174 |
| 14 | 11/21/89 | 0.184 | 0.434 | 0.184 |
| 15 | 11/29/89 | 0.189 | 0.424 | 0.124 |
| 16 | 1/3/90 | 0.204 | 0.374 | 0.149 |
| 17 | 1/30/90 | 0.199 | 0.459 | 0.144 |
| 18 | 2/26/90 | 0.189 | 0.444 | 0.104 |
| 19 | 4/3/90 | 0.189 | 0.444 | 0.104 |
| 20 | 6/29/90 | 0.164 | 0.419 | 0.124 |
| 21 | 6/29/90 | 0.194 | 0.334 | 0.134 |
| 22 | 10/2/90 | 0.184 | 0.394 | 0.144 |
| 23 | 1/4/91 | 0.174 | 0.354 | 0.104 |
| 24 | 5/31/91 | 0.204 | 0.434 | 0.139 |
| 25 | 7/6/91 | 0.184 | 0.404 | 0.114 |
| 26 | 10/1/91 | 0.219 | 0.444 | 0.154 |

Vibration Data for the HPCI Main Pump, Point 4, Inches/Second

| Data Point | Date | 4A | 4H | 4V |
|------------|----------|-------|-------|-------|
| 27 | 12/31/91 | 0.209 | 0.394 | 0.164 |
| 28 | 3/31/92 | 0.204 | 0.464 | 0.139 |
| 29 | 6/29/92 | 0.179 | 0.459 | 0.124 |
| 30 | 9/29/92 | 0.264 | 0.354 | 0.144 |
| 31 | 10/27/92 | 0.264 | 0.364 | 0.144 |
| 32 | 11/24/92 | 0.284 | 0.394 | 0.144 |
| 33 | 12/29/92 | 0.194 | 0.399 | 0.144 |
| 34 | 1/26/93 | 0.224 | 0.419 | 0.144 |
| 35 | 3/25/93 | 0.214 | 0.304 | 0.094 |
| 36 | 6/29/93 | 0.244 | 0.344 | 0.104 |
| 37 | 9/29/93 | 0.224 | 0.314 | 0.104 |
| 38 | 11/23/93 | 0.224 | 0.344 | 0.099 |
| 39 | 2/21/94 | 0.180 | 0.395 | 0.158 |
| 40 | 3/29/94 | 0.260 | 0.463 | 0.112 |
| 41 | 5/23/94 | 0.175 | 0.399 | 0.113 |

Vibration Data for the HPCI Booster Pump, Point 7, Inches/Second

| Data Point | Date | 7H | 7V |
|------------|----------|-------|-------|
| 1 | 1/3/89 | 0.284 | 0.259 |
| 2 | 1/30/89 | 0.314 | 0.284 |
| 3 | 2/28/89 | 0.319 | 0.264 |
| 4 | 2/28/89 | 0.319 | 0.264 |
| 5 | 4/3/89 | 0.194 | 0.224 |
| 6 | 4/7/89 | 0.299 | 0.364 |
| 7 | 5/2/89 | 0.179 | 0.259 |
| 8 | 5/31/89 | 0.159 | 0.204 |
| 9 | 6/13/89 | 0.179 | 0.179 |
| 10 | 7/5/89 | 0.334 | 0.184 |
| 11 | 8/1/89 | 0.264 | 0.164 |
| 12 | 11/10/89 | 0.284 | 0.224 |
| 13 | 11/20/89 | 0.339 | 0.254 |
| 14 | 11/21/89 | 0.344 | 0.319 |
| 15 | 11/29/89 | 0.284 | 0.239 |
| 16 | 1/3/90 | 0.349 | 0.264 |
| 17 | 1/30/90 | 0.284 | 0.244 |
| 18 | 2/26/90 | 0.344 | 0.204 |
| 19 | 4/3/90 | 0.344 | 0.264 |
| 20 | 6/29/90 | 0.374 | 0.184 |
| 21 | 6/29/90 | 0.314 | 0.224 |
| 22 | 10/2/90 | 0.454 | 0.274 |
| 23 | 1/4/91 | 0.274 | 0.184 |
| 24 | 5/31/91 | 0.259 | 0.284 |
| 25 | 7/6/91 | 0.344 | 0.299 |
| 26 | 10/1/91 | 0.454 | 0.344 |

Vibration Data for the HPCI Booster Pump, Point 7, Inches/Second

| Data Point | Date | 7H | 7V |
|------------|-----------|-------|-------|
| 27 | 12/31/91 | 0.364 | 0.289 |
| 28 | 3/31/92 | 0.399 | 0.339 |
| 29 | 6/29/92 | 0.344 | 0.284 |
| 30 | 9/29/92 | 0.264 | 0.259 |
| 31 | 10/27/92 | 0.399 | 0.264 |
| 32 | 11/24/92 | 0.499 | 0.344 |
| 33 | 12/29/92 | 0.339 | 0.324 |
| 34 | 1/26, '93 | 0.419 | 0.314 |
| 35 | 3/25/93 | 0.394 | 0.294 |
| 36 | 6/29/93 | 0.384 | 0.339 |
| 37 | 9/29/93 | 0.359 | 0.269 |
| 38 | 11/23/93 | 0.304 | 0.264 |
| 39 | 2/21/94 | 0.389 | 0.273 |
| 40 | 3/29/94 | 0.460 | 0.229 |
| 41 | 5/23/94 | 0.380 | 0.243 |

Vibration Data for the HPCI Booster Pump, Point 8, Inches/Second

| Data Point | Date | 8A | 8H | 8V |
|------------|----------|---------|---------|---------|
| 1 | 1/3/89 | 0.229 | 0.364 | 0.204 |
| 2 | 1/30/89 | 0.304 | 0.384 | 0.274 |
| 3 | 2/28/89 | 0.304 | 0.364 | 0.164 |
| 4 | 2/28/89 | 0.304 | 0.364 | 0.164 |
| 5 | 4/3/89 | 0.184 | 0.344 | 0.204 |
| 6 | 4/7/89 | 0.229 | 0.389 | 0.439 |
| 7 | 5/2/89 | 0.184 | 0.384 | 0.254 |
| 8 | 5/31/89 | 0.204 | 0.344 | 0.224 |
| 9 | 6/13/89 | 0.194 | 0.359 | 0.159 |
| 10 | 7/5/89 | 0.184 | 0.444 | 0.454 |
| 11 | 8/1/89 | 0.204 | 0.324 | 0.264 |
| 12 | 11/10/89 | 0.199 | 0.294 | 0.219 |
| 13 | 11/20/89 | 0.244 | 0.344 | 0.399 |
| 14 | 11/21/89 | 0.259 | 0.559 | 0.524 |
| 15 | 11/29/89 | 0.184 | 0.299 | 0.324 |
| 16 | 1/3/90 | 0.244 | 0.464 | 0.484 |
| 17 | 1/30/89 | 0.224 | 0.314 | 0.304 |
| 18 | 2/26/90 | 0.209 | 0.434 | 0.324 |
| 19 | 4/3/90 | 0.224 | 0.444 | 0.244 |
| 20 | 6/29/90 | 0.194 | 0.544 | 0.534 |
| 21 | 6/29/90 | No data | No data | No data |
| 22 | 10/2/90 | 0.239 | 0.459 | 0.474 |
| 23 | 1/4/91 | 0.194 | 0.284 | 0.224 |
| 24 | 5/31/91 | 0.204 | 0.244 | 0.194 |
| 25 | 7/6/91 | 0.214 | 0.364 | 0.279 |
| 26 | 10/1/91 | 0.319 | 0.790 | 0.244 |

Vibration Data for the HPCI Booster Pump, Point 8, Inches/Second

| Data Point | Date | 8A | 8H | 8V |
|------------|----------|-------|-------|-------|
| 27 | 12/31/91 | 0.194 | 0.499 | 0.569 |
| 28 | 3/31/92 | 0.264 | 0.464 | 0.364 |
| 29 | 6/29/92 | 0.244 | 0.444 | 0.224 |
| 30 | 9/29/92 | 0.294 | 0.319 | 0.284 |
| 31 | 10/27/92 | 0.224 | 0.274 | 0.244 |
| 32 | 11/24/92 | 0.264 | 0.309 | 0.299 |
| 33 | 12/29/92 | 0.259 | 0.464 | 0.264 |
| 34 | 1/26/93 | 0.239 | 0.424 | 0.299 |
| 35 | 3/25/93 | 0.259 | 0.324 | 0.294 |
| 36 | 6/29/93 | 0.244 | 0.284 | 0.224 |
| 37 | 9/29/93 | 0.244 | 0.219 | 0.239 |
| 38 | 11/23/93 | 0.184 | 0.324 | 0.219 |
| 39 | 2/21/94 | 0.190 | 0.576 | 0.241 |
| 40 | 3/29/94 | 0.203 | 0.209 | 0.524 |
| 41 | 5/23/94 | 0.229 | 0.385 | 0.264 |