

APPENDIX VI

CHEMICAL ANALYSES OF GROUNDWATER FROM MONITORING WELLS (pH)

| <u>Date</u> | <u>Well # 1</u> | <u>#2</u> | <u>#3</u> | <u>#4</u> | <u>#5</u> | <u>#7</u> |
|-------------|-----------------|-----------|-----------|-----------|-----------|-----------|
| 4-23-71 | 7.8 | 8.0 | | | | |
| 4-30-71 | 7.4 | 7.4 | | | | |
| 5-7-71 | 7.2 | 7.3 | | | | |
| 5-14-71 | 7.4 | 7.8 | 8.3 | | | |
| 5-21-71 | 7.3 | 7.5 | 8.4 | | | |
| 5-28-71 | 7.4 | 7.4 | 8.5 | | | |
| 6-9-71 | 7.3 | 7.4 | 8.4 | | | |
| 7-13-71 | 7.3 | 7.3 | | | | |
| 7-22-71 | 7.5 | 7.6 | | | | |
| 8-5-71 | 7.0 | 7.1 | | | | |
| 8-10-71 | 7.2 | 7.3 | | | | |
| 8-20-71 | 7.2 | 7.3 | | | | |
| 8-25-71 | | | 8.5 | 7.7 | | |
| 9-2-71 | 7.3 | 7.4 | | | 8.0 | |
| 9-14-71 | 7.2 | 7.4 | 8.5 | | | |
| 10-11-71 | 7.4 | 7.6 | 8.3 | 7.7 | 8.3 | 7.9 |
| 10-19-71 | | 7.8 | 8.5 | 7.7 | 8.5 | 7.9 |
| 11-5-71 | 7.5 | 7.7 | 8.4 | 7.6 | 7.8 | 7.7 |
| 11-12-71 | 7.1 | 7.3 | 8.1 | 7.4 | 7.6 | 7.5 |
| 12-5-71 | 7.3 | 7.3 | 8.1 | 7.4 | 7.7 | 7.6 |
| 12-22-71 | 7.3 | 7.5 | 8.1 | 7.8 | 7.8 | 7.8 |
| 2-4-72 | 7.6 | 7.6 | 8.1 | 7.4 | 7.9 | 7.9 |
| 2-21-72 | 7.3 | 7.3 | 8.2 | 7.5 | 7.7 | 7.7 |
| 3-30-72 | 7.3 | 7.3 | 8.2 | 7.3 | 7.7 | 7.6 |
| 4-13-72 | 7.2 | 7.3 | 8.1 | 7.8 | 7.7 | 7.8 |
| 4-25-72 | 7.2 | 7.3 | 8.5 | 7.5 | 8.5 | 7.7 |
| 5-19-72 | 7.2 | 7.3 | 8.5 | 7.8 | 8.4 | 7.7 |
| 6-1-72 | 7.2 | 7.4 | 8.3 | 7.7 | 8.0 | 7.9 |
| 7-3-72 | 7.2 | 7.4 | 8.2 | 7.7 | 7.9 | 7.9 |
| 7-20-72 | 7.3 | 7.5 | 8.2 | 7.4 | 7.8 | 8.0 |
| 8-4-72 | 7.7 | 7.4 | | 7.4 | 7.5 | 7.5 |

Concentration of CO₂ in mg/l

| | | | | | |
|---------|------|------|------|------|------|
| 8-3-72 | 30.4 | 38.5 | 19.0 | 6.7 | 11.1 |
| 8-16-72 | 45.1 | 51.3 | 35.4 | 10.1 | 26.8 |
| 8-31-72 | 38.6 | 69.7 | 33.0 | | 26.1 |

Concentration of Phenols in mg/l

| | | | | | |
|---------|--------|--------|--------|--------|--------|
| 8-3-72 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.04 |
| 8-31-72 | 0.038 | 0.022 | < 0.01 | | 0.01 |
| 9-21-72 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |