

Des Moines River Water Quality Network  
Beach Bacteria Monitoring

|                          |                               |              |                            |     |
|--------------------------|-------------------------------|--------------|----------------------------|-----|
| Date                     | 6/23/2009                     | Event        | BO3 Rerun                  |     |
|                          | Saylorville Reservoir Beaches |              | Red Rock Reservoir Beaches |     |
|                          | OGB                           | SPB          | WBB                        | NOB |
| Status                   | Open                          | Open         |                            |     |
| Time (CST/CDT)           | 1445                          | 1420         |                            |     |
| Air Temp (°F)            | 95                            | 95           |                            |     |
| Cloud cover (%)          | 35                            | 25           |                            |     |
| Water Temp (°C)          | 29.5                          | 34.2         |                            |     |
| # of users               | 97                            | 36           |                            |     |
| # of animals             | 0                             | 0            |                            |     |
| Max Wave Height (in.)    | 2                             | 4            |                            |     |
| Wind speed (mph)         | 6                             | 5            |                            |     |
| Wind Direction           | 165                           | 160          |                            |     |
| Trans Tube (cm)          | 54.2                          | 16.2         |                            |     |
| 48hr rainfall (in.) @ DM | 0.10                          | 0.10         |                            |     |
| Comments                 | brown/debris                  | brown/debris |                            |     |
| Fecal Coliform (#/100ml) | 350                           | 1200         |                            |     |
| <i>E Coli</i> (#/100ml)  | 280                           | 1100         |                            |     |

|   |             |        |     |
|---|-------------|--------|-----|
| Comments:                                 | BB taken at | f coli | 300 |
|   | OGB         | e coli | 270 |
| rainfall after sampling on 6/23 0.49 inch |             |        |     |

Note: The state standard for E coli in Class A1(primary contact) waters is a geometric mean of 126 org/100ml or a sample maximum of 235 org/100ml. This is in effect 3/15-11/15.

- Ice samples immediately after collection
- Invert subsample 5 times before adding to composite
- Allow 1in of head space in composite