

**GRANT ANALYSIS FORM
OPERATING & CAPITAL GRANT PROJECTS/PROGRAMS**

Department/Division: Health - Laboratories

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Category of Request

New Grant

Grant Continuation

Change in Previously Approved Grant

Previous Council File No.

Previous Council File No.

Project/Program Title: Beach Study Grant

Grantor Agency: State of Wisconsin Department of Natural Resources through the Racine Health Dept.

Grant Application Date: November, 2000

Anticipated Award Date: April 10, 2001

Please provide the following information:

1. Description of Grant Project/Program (Include Target Locations and Populations):

The Racine Health Department is the direct recipient of this grant from the State of Wisconsin Department of Natural Resources and in collaboration with the Milwaukee Health Department Lab and the University of Wisconsin-Milwaukee (UWM) Water Institute will be the major co-investigators. E. coli in beach water is one of the main test standards for closing beaches. E. coli is commonly found in the human intestine and therefore is used as an indicator of water pollution and disease risk for humans. However, E. coli can be found in mammals, birds and may exist in the environment, for example, the most sand of beaches. This grant will type E. coli isolates from one or more beach sites and attempt to trace it to its source, for example sea gulls or sewage. This requires special typing methods available at UWM and the Milwaukee Health Department Laboratory where two separate typing methods will be compared. The persistence of E. coli in wet sand will also be studied by the Racine Health Department.

2. Relationship to City-wide Strategic Goals and Departmental Objectives:

This grant supports the City Strategic Objective of Public Health and the Department's Objective #3. To improve the City's environmental quality through education, surveillance, investigation, inspection, enforcement, abatement and collaboration as measured by an index of environmental factors.

Results could potentially affect the Health Department's determination/interpretation of E. coli counts and their impact on beach closings. Upgrading the chromatograph software by this grant will allow examination of strain relationships of various E. coli isolates. This software can also be used for examining the relationship of most bacteria of public health significance (not just E. coli related to beaches) in a variety of settings such as water and food related issues of which we will continue to benefit after this study is completed.

3. Need for Grant Funds and Impact on Other Departmental Operations (Applies only to Programs):

4. Results Measurement/Progress Report (Applies only to Programs):

Progress reports will be made to the DNR and Health department staff will review the findings to determine their impact on beach closing policies.

5. Grant Period, Timetable and Program Phase-out Plan:

The grant year will be May 1, 2001 through April 30, 2002.

6. Provide a List of Subgrantees:

N/A