

During the early 1980's, the Installation and Restoration (IR) program began sampling suspected hazardous waste sites and petroleum leakage from the Base Bulk Fuel Farm. As an offspring of this study, an extensive investigation was undertaken to determine if groundwater contamination had occurred. A comprehensive monitoring program was initiated to identify if Volatile Organic Compounds (VOC's) had entered the wellfields around these suspected sites. The entire raw water field aboard Camp Lejeune was sampled. The results of the sampling identified numerous raw water wells with VOC contamination. Additionally it was discovered that the Tarawa Terrace raw water supply system had been contaminated by a private laundry located across Highway 24 and the contaminant plume had migrated to the Tarawa Terrace well field. The following contaminated wells were secured and remained off line:

Hadnot Pt System - 602, 660, 608, 634, 637, 652, 653, 651.

Holcomb Blvd. - 645.

MCAS System - AS-106, AS-4150

Rifle Range - RR-227

Tarawa Terrace - TT-23, TT-25, TT-26.

Note: The entire Tarawa Terrace well field is secured. Expansion contract in late 1980's tied Tarawa Terrace system to Holcomb Boulevard and the TT plant was decommissioned.

ADDITIONAL STUDIES ARE ONGOING.

1. A Wellhead Management Plan study was contracted to design and locate potential protected raw water locations. Additionally, the study was to determine if open bore hole well construction was suitable for wells developed in the Castle Hayne Aquifer. This contract was amended to re-sample 14 known contaminated wells to determine if they could be re-activated and make appropriate recommendations. The final report is pending.

2. A Well Sampling Study was initiated by Environmental Management Department to re-sample all active raw water wells for VOC contaminants. This study has identified 3 additional raw water wells with a minimal contamination. A draft report is due on 12-22-92.

Hadnot Pt System - 638, 606, 642.

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As a precautionary measure, these wells have been temporarily deactivated pending submission of definitive data.

3. A program to sample water treatment plant effluents for VOC's has been ongoing since the mid 1980's. The Hadnot Point system periodically shows a trace amount of VOC contaminants. Future investigation is required to determine source.

RECOMMENDATIONS

1. Move expeditiously to drill and bring on line new water wells for the Hadnot Point system. The new wells will be installed in protected areas as identified by the Wellhead Master Plan. Approval of the Wellhead Master Plan by the Command is essential to insure new and existing non-contaminated wells are protected. This should include limiting construction in the protected water sheds.
2. Initiate actions to continue to investigation of the Hadnot Point raw water well field to determine paths of the contaminant plumes and possible effects on non-contaminated wells.
3. Award additional contract as recommended by EMD to locate alternate raw water well fields for Marine Corps Air Station, New River.

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