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ROUTINE

R 031847Z APR 85

MACK FRAZELLE 451-7189

FM CG MCB CAMP LEJEUNE NC

TO LANTNAVFACENGCOM NORFOLK VA

INFO CMC WASHINGTON DC

UNCLAS //N11000//

LANTDIV FOR 114; CMC FOR LFL
SUBJ: NACIP STUDY OF CAMLEJ WATER SUPPLY SYSTEMS

A. CG MCB CAMLEJ NC 082305Z FEB 85
B. LANTDIV LTR 114:JGW:SSW 6280 DTD 10 MAY 83

1. REF (A) DESCRIBED ONGOING ACTIONS TO ADDRESS THE PRESENCE OF VOLATILE ORGANIC CHEMICALS (VOC) IN ISOLATED WATER SUPPLY WELLS AT CAMLEJ. VOC'S HAVE BEEN DETECTED IN TEN WELLS WHICH HAVE BEEN CLOSED; NOTHING HAS BEEN DETECTED IN 67 WELLS.

2. SHORT-TERM ACTIONS BEING TAKEN ARE:
A. WELL CLOSURES HAVE NOT AFFECTED PRODUCTION OF WATER SUPPLIES EXCEPT AT THE TARAWA TERRACE (TT) SYSTEM. SEVERAL ALTERNATIVES FOR PROVIDING AMPLE WATER TO TARAWA TERRACE HAVE BEEN REVIEWED INCLUDING AN AUXILIARY LINE TO THE TT SYSTEM FROM THE HOLCOMB BLVD PLANT.
B. EXPEDITING INSTALLATION OF GAS CHROMATOGRAPH IN THE BASE LAB TO PROVIDE LOCAL TESTING CAPABILITY.
C. PROCEEDING WITH THE HOLCOMB BLVD PLANT EXPANSION PROJ (82-2243) WHICH WILL SUPPLY ALL WATER TO TT AND MONTFORD PT WHEN COMPLETE. THIS PROJECT, HOWEVER, DOES NOT INCLUDE SOLUTIONS TO VOC PROBLEMS IN WELLS.

3. FOR MID/LONG-TERM ACTIONS, REQ THE SUBJ STUDY BE EXPEDITED AND THE FOLLOWING ISSUES BE ADDRESSED AS DESCRIBED IN REF (B).
A. VERIFICATION OF EXISTENCE OF CONTAMINATION IN ALL WATER SUPPLY SYSTEMS. MOST WELLS IN THE EIGHT SYSTEMS HAVE BEEN SAMPLED ONCE. FOR THOSE SAMPLING LOCATIONS WHERE REPLICATE SAMPLES HAVE

BFAC(2)...ORIG FOR CG MCB CAMP LEJEUNE(10) /13/
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BEEN TAKEN, REPORTED VOC LEVELS HAVE VARIED GREATLY. THUS, THE VERIFICATION OF THE VOC'S IN ALL SYSTEMS APPEARS WARRANTED.

B. VERIFICATION OF THE LOCATION OF SOURCES OF VOC'S IN THE TEN WELLS WHICH HAVE BEEN CLOSED DUE TO DETECTABLE VOC'S: 601, 602, 603, 634, 637, 651, 652, 653, TT-26 AND TT NEW WELL.

C. CHARACTERIZATION OF VOC PROBLEMS IN THE HADNOT PT, HOLCOMB BLVD AND TT SYSTEMS TO FIND THE EXTENT AND RATE OF MIGRATION OF VOC'S, INCLUDING MIGRATION FROM POSITIVE WELLS TO CLEAN WELLS DURING INCREASED PUMPING.

D. IN THE VICINITY OF THE CONTAMINATED WELLS, REVIEW OF THE EXTENT OF USAGE AND EFFECTS OF TEST BORINGS AND THE IMPACTS OF ABANDONED WELLS TO DETERMINE THE POTENTIAL FOR INTER-AQUIFER EXCHANGE OF CONTAMINANTS VIA THESE ROUTES.

E. PREPARATION OF THE FEASIBILITY STEP AND COST ESTIMATES FOR INTERIM AND LONG-TERM ALTERNATIVES.

F. RECOMMENDATIONS FOR INTERIM AND LONG-TERM MONITORING OF RAW WATER WELLS AND TREATMENT SYSTEMS.

4. REQ YR ASSISTANCE IN DEVELOPMENT OF MILESTONES FOR EACH OF THE ABOVE ISSUES BY 22 APR 85.

5. POC IS MR. BOB ALEXANDER, AV 484-3034/5.

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