11300/4 NREAD 16 Jul 86 From: Director, Natural Resources and Environmental Affairs Division, Marine Corps Base, Camp Lejeune Assistant Chief of Staff, Facilities, Marine Corps Base, To; Camp Lejeune DISSOLVED OXYGEN PROBLEM AT CAMP GEIGER WASTEWATER Subj: TREATMENT PLANT Encl: (1) Dissolved Oxygen at Camp Geiger STP 1. The enclosure is submitted per request of Environmental Engineer. In an effort to bring Camp Geiger Wastewater Treatment Plant in line with the proposed requirements of its new NPDES permit, it was decided to take dissolved oxygen readings in the outfall line for Camp Geiger. The sampling was done by the Utilities personnel. The analysis was done by both Utilities personnel and laboratory personnel. The enclosure provides the results. The effluent dissolved oxygen sampling point was moved. A review of the dissolved oxygen data from 1 April 1986 to 30 June 1986 shows that Camp Geiger met the minimum monthly limit of 5.0 mg/l all three months. Out of the 15 weeks, it met the minimum weekly limit of 5.0 mg/l 13 times. The weeks 8-14 June 1986 and 29-30 June 1986, the weekly average was 4.6 and 4.4 respectively. Point of contact is Ms. Elizabeth Betz, x5977. D. D. SHARPE Acting Copy to: BMO (Util Dir)

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DISSOLVED OXYGEN AT CAMP GEIGER STP

3-11-86	Time	DO
Plant @ Weir Last Manhole	0900 1030	3.8 5.5
3-12-86		
Plant @ Weir Last Manhole	0900 0930	1.9 6.1
3-13-86		
Plant @ Weir Last Mahole *{Plant into Wet Well Plant @ Wet Well	0950 0930 0950 0950	1.8 6.6 4.0 6.5
3-14-86		
Plant @ Weir * Plant @ Wet Well Last Manhole	1000 1045 0945	2.5 6.6 7.4, 7.6
3-17-86		
* Plant @ Wet Well 3-18-86	~ 0900	5.1
* Plant @ Wet Well	~ 0900 ·-	4.8
3-19-86		
Plant @ Weir	~ 0900	2.2
3-20-86		
Plant @ Weir Plant @ Wet Well	~0900 ~0900	5.8, 4.6 8.9

*The last manhole is outside the confines of the plant and on private property. Mr. Farrow and Mr. Futrell, on their own initiative, sampled the wet well, which is located within the confines of the plant. The wet well is a much easier sample point for the operators.

Conclusions:

The effluent dissolved oxygen sample point was moved to the wet well.