

ADDENDUM 1

Crystal River Mariculture Center (Fish Hatchery)  
NPDES FL0000159/IT09-154804F

Part 1, Section I of NPDES Permit Number FL0000159/IT09-154804F for Crystal River Units 1, 2 and 3 applies to wastewater generated at Outfall Serial Number 015 (OSN 015) from the Mariculture Center (Fish Hatchery). Section I.1, "Effluent Limitations and Monitoring Requirements," requires that two grab samples be collected per month at the point of discharge from the Fish Hatchery system, prior to the site discharge canal. The NPDES permit includes a limit for Biochemical Oxygen Demand (5-day) ( $BOD_5$ ) of 5.0 mg/l measured at the point of discharge.

The wastewater in the tank prior to discharge had a measured  $BOD_5$  value of 4.6 mg/l. Prior to discharge, stormwater from the drainage ditch had a measured  $BOD_5$  value of 10 mg/l. During the discharge, a sample was collected from the ditch and had a measured  $BOD_5$  value of 12.2 mg/l, exceeding the  $BOD_5$  limit of 5.0 mg/l. However, it is likely that the high  $BOD_5$  value was the result of mixing the 4.6 mg/l  $BOD_5$  wastewater with the high  $BOD_5$  stormwater in the ditch.

In order to collect point of discharge samples representative of the wastewater from the Fish Hatchery, samples would have to be collected at the end of the discharge pipe, prior to mixing in the drainage ditch. However, the discharge pipe terminates under a roadway in a culvert and is therefore inaccessible for sampling. As a result, samples have historically been collected downstream of the roadway in the drainage ditch, resulting in interference from stormwater in the ditch. FPC has requested approval to relocate the sample collection point as identified in the permit. A sample port has been installed in the discharge pipe. FDEP authorized the use of this new sample port on September 15, 1997. FPC will begin to collect samples from the new sampling port during the next sampling event.