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The Hydrostatic Mooring System

**Quarterly Report for the Period
April-June 2000**

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Report for second quarter 2000.

Summary

1. We amended the structural design of the buoy, moving the horizontal bulkhead from the bottom to the top of the buoy
2. We designed the main bearing using Hilman Rollers. We discarded a parallel design using Lubron slide bearings due to concerns about keeping dirt out of the sliding surfaces.
3. We performed a preliminary failure tree risk analysis for the system as required by ABS.
4. We made various drawings of the system and sub-components

Han Padron Associates (HPA)

HPA performed no work in the quarter

American Bureau of Shipping

ABS reviewed our preliminary submissions pertaining to model tests in the quarter. We agreed with ABS on a schedule for the review. ABS was still working within its retainer in the quarter.

No DOE funds were paid in the quarter but approximately \$14,000 were obligated in the quarter..