Hg System Assembly and Testing Status

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MERIT VRVS Meeting
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Equipment Arrived Oct 23

- No damage noted during unpacking process
- Many small boxes, especially for optical diagnostics equipment
  - More efficient packing scheme needed for MIT/CERN transport
Testing Setup

- Optics equipment area defined near correct port on secondary containment
- Pond liner underlayment in use as test for puncture resistance
Preparations for Assembly

• Welding must be performed on secondary and cart components

• Needed center of gravity to correctly place fork truck channels

• Actual CG was about 5" from estimate
  – Necessitates minor modifications to cart and baseplate
Actual Component Weights

- Baseplate – 800 lbs
- Empty secondary box – 1000 lbs
- Syringe & sump assembly (empty sump, full drive cylinders) – 2000 lbs
- Secondary box, syringe assy, target snout – 3000 lbs
Current Status / Next Steps

- Components to be welded are in weld shop
- Awaiting availability of welder, should be this week
- Discussions with SNS Survey & Alignment group regarding addition of fiducials to target snout
- Optical diagnostic equipment assembly continues
- Starting to look at sensor wiring installation (inside HPU control cabinet)