Idaho National Laboratory

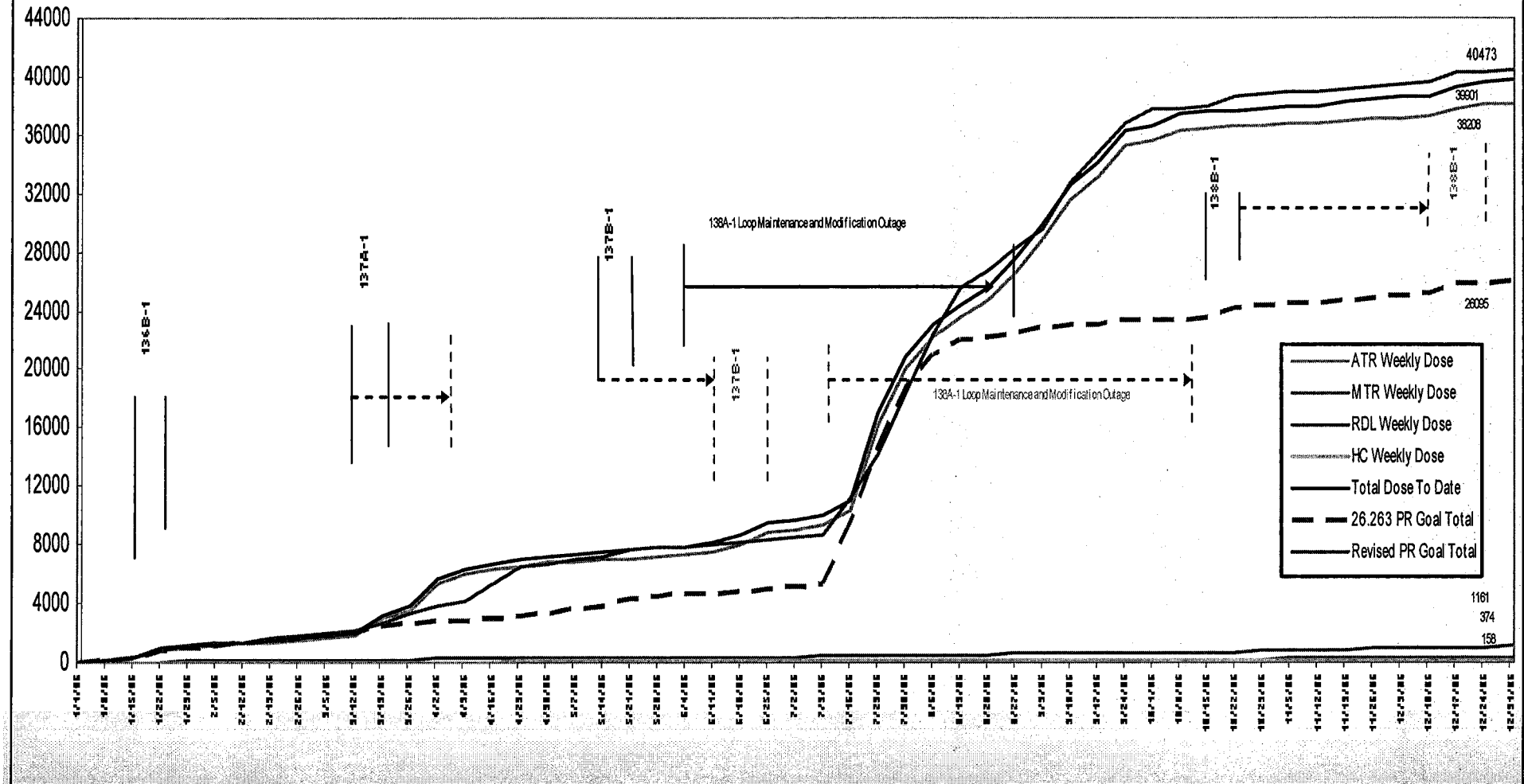
RTC/STC/CFA

CY-2006 ALARA Summary

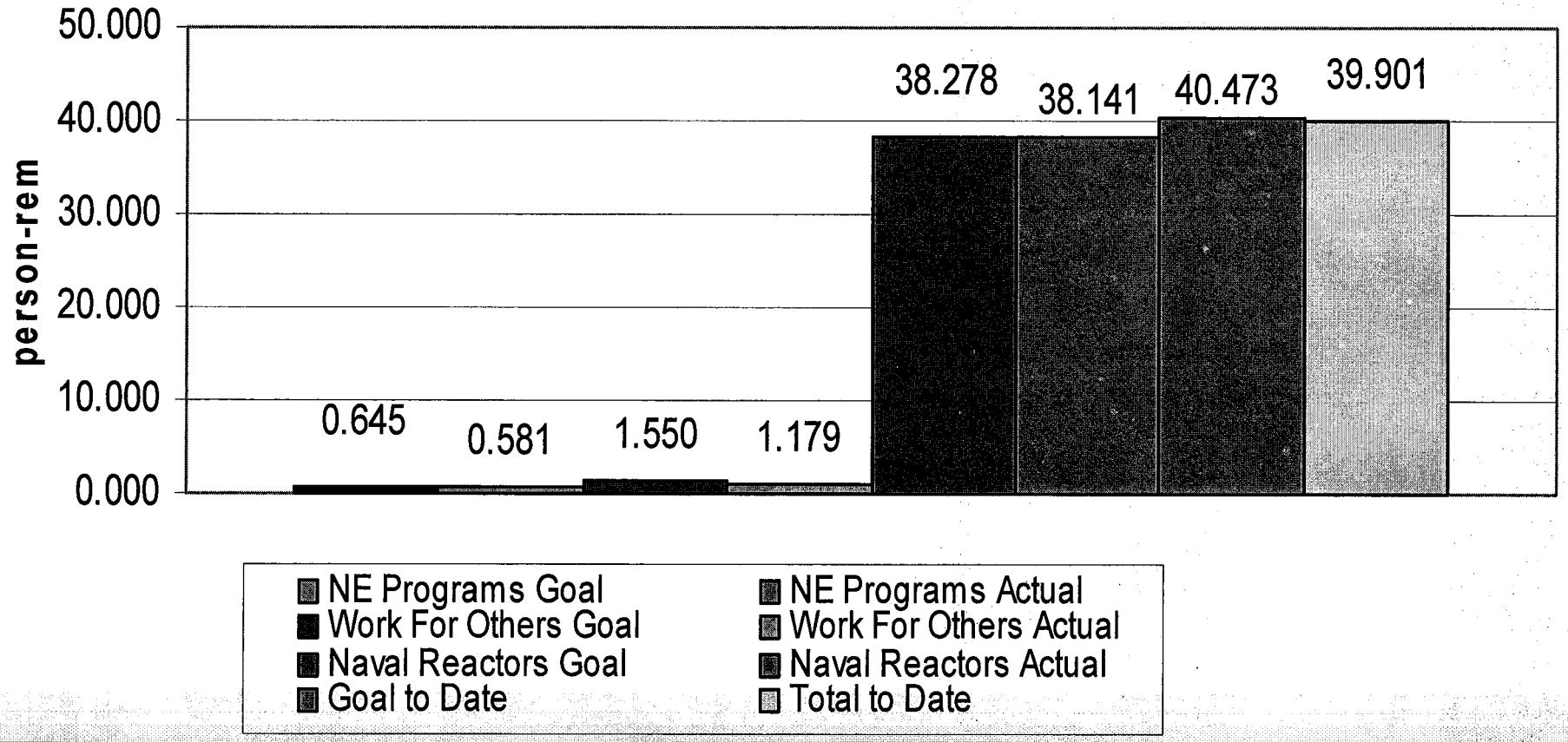
Brian Grant/ RTC ALARA Coordinator

February 27, 2007

Reactor Technology Complex Cummulative Dose CY-2006 (Electronic Dosimeter Dose to 12/31/06)



RTC CY-2006 4th Quarter Dose Distribution and Tracking
(goal revised 9/28/06)



2006 Fourth Quarter Performance

Two non-reportable clothing contaminations

One spill due to a leak from a damaged hose, one due to a pump seal leak.

*Highest exposed individuals**

- *1242 mrem (Westinghouse RSC worker supporting ATR)*
- *671 mrem (BEA RCT supporting ATR)*
- *212 mrem neutron (PINS Project)*

*(*There were 31 individuals authorized to exceed the ACL of 700 mrem. Seven were subcontractors that are no longer receiving dose at INL (six of which exceeded 700 mrem). All other BEA and subcontractor personnel completed 2006 below 700 mrem.)*

2007 Projections

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ALARA Inovations

Emergency Firewater Injection System Testing

- *Annual event that requires removal and blind flange of upper EFIS Check valves in the Nozzle Trench*
- *Valves located under shelf, difficult to support and maneuver during removal.*
- *Pipe-Fitters designed a carriage that supports the valve and allows drainage of residual liquid as the valve is jacked down to the floor.*
- *Dose savings of approximately 70-100 mrem/yr.*