

ENGINEERING AND MAINTENANCE SERVICES

Jude A. Gates, Director of Facilities, Planning, and IT

2007 was a year in which the Engineering & Maintenance Services (E&MS) team met the day to day operational needs of our residents, staff, visitors and facilities, while at the same time engaging in work that contributes to the long term efficiency and viability of the complex. These challenges are faced by a highly skilled group of craftsmen and staff who share the same pride in a job well done and a personal insistence on excellence that is evident in every job. It is very much a source of pride for me to be associated with such a fine group.

Some of the larger projects engaged in by the Engineering & Maintenance Services team, either directly by in house personnel, or by outside contractors managed by E&MS personnel in 2007 include the following:

- Continuation of the upgrade to an addressable fire alarm system at the complex, enhancing response capabilities. In 2007, the Rockingham County Nursing Home (RCNH) upgrade was completed, Phase I replacement of each device was undertaken at the Rockingham County House of Corrections, and further progress was made in the outbuildings.
- Replacement of door hardware in the RCNH Blaisdell Building stairwells.
- Phase I of a major signage project in the RCNH was executed, with each door in the facility being identified and American's with Disabilities Act (ADA) Compliant signage ordered
- A sound upgrade to the Hilton Auditorium
- An unexpected failure of the Driscoll Building elevator in the RCNH was repaired
- Replacement of the Blaisdell entrance to the RCNH was completed, greatly enhancing the safety of the entrance.
- Upgrades to the RCNH Beauty Shop
- Installation of a new hot water heater for the RCNH Laundry
- We continue to monitor a historical #6 oil release in the vicinity of the RCNH Boiler Plant, in compliance with direction from New Hampshire Department of Environmental Services.
- A new drainage system was installed around the building housing the Nutrition program, alleviating season water incursions.
- A major upgrade to one of our Wastewater Treatment Facility lift stations was completed.
- Replacement of out building oil tanks, ensuring compliance with applicable laws and regulations
- Access control systems were installed in the Engineering & Maintenance Services building and the RCNH phone room, which houses much of our information technology (IT) infrastructure.
- Specifications and materials purchases were made to replace the antiquated heating system in the Engineering & Maintenance Services building.
- Roof repairs to the Laundry/Boiler room and Fernald Building in the RCNH as well as a significant portion of the House of Corrections building
- Two large air handling systems for F&G Blocks at the House of Corrections were replaced.
- Upgrades and repairs to the shower units in the House of Corrections
- Extensive pipe insulation was installed in the House of Corrections for energy efficiency and indoor air quality
- Construction of an onsite shooting range training area for the Rockingham County Sheriff's Office.
- The Primary logic controller at the Water Treatment Facility was replaced
- The County's Well #2 was cleaned and reconditioned.
- Significant steps were taken to ensure the reliability of the County's IT networks, with an eye to long term stability and disaster recovery.

Regulatory agencies overseeing the multitude of permits and licenses maintained to run our facilities, including the water and wastewater plants, the spray irrigation site, the boilers and emergency generators, etc., make regular inspections of the complex and operations. We consistently receive high marks and praise for the excellent quality of the work performed. This translates as well into operational savings.

These jobs provide a snapshot of the multitude of facilities and operations taken care of by the Engineering & Maintenance Services team. On a daily basis we contribute to the safety and comfort of each resident, employee and visitor. Emphasis is placed on preventive maintenance, to assure efficiency and longevity. At the same time, every job is undertaken with a view to the long term viability of the Complex. We recognize our responsibility to properly care for the facilities and to be good stewards of the land. Energy conservation measures undertaken in 2003 continue to yield a savings of approximately 20,000 gallons of water each day, and in excess of \$800,000 in utilities expenses thus far.

I am grateful for the support and confidence shown by the Board of Rockingham County Commissioners, and for the comradeship of the many talented County Officials, Division Directors and employees with whom I have the privilege to work.
