

Raleigh Water Resource Recovery Division

2021 Environmental Management System Performance Report

Regulatory Compliance:

- 100% regulatory compliance by NRRRF, LCRRF, & SCRRF
- All of the City's biosolids contractors achieved 100% compliance with City contract requirements
 - Contractor activities include hauling, spreading, and composting. Routine observations are performed by City staff to ensure contractor adherence to applicable regulations.
- All biosolids produced and distributed met all EPA 40 CFR 503 compliance requirements
- NRRRF, SCRRF, and LCRRF received Platinum awards from the National Associations of Clean Water Agencies (NACWA) for 100% regulatory NPDES compliance
- Received continuation of ISO 14001 EMS certification

FY 2022 Objectives and Initiatives

- Improve Resource Recovery safety training within each program
- Improve Safety Data Sheet folder structure to better serve staff
- Improve electronic land application files, including field boundaries and buffers/setbacks
- Reduce energy intensity (plants)
- Reduce energy intensity (pump stations)
- Implement process optimization program that establishes process specific KPIs to track operational efficiency and performance
- Improve resiliency at remote pump stations
- Improve on site environment to attract pollinators and continue status as "Bee City USA"
- Streamline preventive maintenance process to improve efficiency and provide cross-training opportunities
- Improve efficiency related to out-of-service equipment
- ✓ Four objectives and initiatives have been completed; the remaining six objectives will be continued into FY23.

Internal and Interim Audits

Internal audits help identify strengths and weaknesses of the environmental management program and allow for opportunities to improve the system. Seven internal audits were conducted in 2021 on Communications, Competence & Awareness, Internal Audit, Management Involvement, LCRRF EQ Basin Operation, Resource Recovery Maintenance (CityWorks), and SCRRF Sulfate Receiving to verify that these processes were functioning effectively and as intended. Findings identified during these audits were addressed through the corrective action process.

The ISO 14001:2015 EMS requires the environmental management system be re-verified every three years with annual surveillance audits conducted in the years between re-verification audits. The third-party surveillance audit was conducted in early March 2022. There were no nonconformances or opportunities for improvement resulting from the audit.

If you would like more information on the Environmental Management System or the audit, please contact Emily Fentress at 919-996-3680 or emily.fentress@raleighnc.gov.