



Dallas Park & Recreation

FY2022-2023
Review of the Environmental
Management System (EMS)

Park and Recreation Board
March 7, 2024

Purpose

To provide an overview of the Park & Recreation Department's environmental performance for FY2022-2023 and contributions to the City's Environmental Management System (EMS), Comprehensive Environmental & Climate Action Plan (CECAP), Stormwater Management Plan, and the NRPA pillars (Health and Wellness, Equity at the center, and Conservation).



Environmental Division

Committed to protecting and improving the environment by leading the Park and Recreation Department in our efforts on environmental compliance, pollution prevention, and continual improvement.

- Changing Circumstances FY2022-2023
 - Operations of the Environmental Division
 - Team was fully staffed
 - Training offered in person this fiscal year



Positions: Senior Environmental Coordinator, (2) Environmental Coordinator II, and Environmental Coordinator I

External Audit Results FY2022-2023

External audit for ISO 14001 EMS Certification

- Audited by ABS Quality Evaluations

Day 1 July 31, 2023	Day 2 August 1 , 2023	Day 3 August 2, 2023	Day 4 August 3, 2023
Opening Meeting Documentation Review	Bekay Service Center Bachman Recreation Center Bachman Indoor Pool Bachman Aquatic Center	Tenison Golf Course IC Harris Warehouse IC Harris Service Center Closing Meeting	Auditor Remote Report Writing & Document Review

– Findings

- Zero (0) nonconformances
- Auditor determined that the management system was effectively implemented and maintained per defined requirements and is deemed capable to achieve expected outputs



Internal Audit Results FY2022-2023

- PKR had internal audits throughout the fiscal year

FY2022-2023 OEQS Audit Schedule

<u>October</u> No Audits	<u>November 16</u> Bachman Recreation Center Bachman Indoor Pool	<u>December 14</u> Samuell Grand Recreation Center Samuell Grand Tennis Center
<u>January 11</u> Klyde Warren Park Well/Med Senior Activity Center	<u>February 15</u> MoneyGram Soccer Complex Willie B Johnson Recreation Center Youth Boxing Facility	<u>March 22</u> I.C. Harris Service Center I.C. Harris Warehouse Larry Johnson Recreation Center
<u>April 12</u> Penn Service Center Cotton Bowl Children's Aquarium, Fair Park	<u>May 17</u> Paul Dyer Service Center Winfrey Point Big Thicket	<u>June 21</u> Lake Highlands Recreation Center Lake Highlands Sprayground Harry Stone Aquatic Center
<u>July 12</u> Stevens Golf Course JC Zaragoza Recreation Center JC Zaragoza Pool	<u>August 16</u> Cedar Crest Golf Course Southwest Service Center Pemberton Sprayground	<u>September 7</u> Dallas Zoo <u>September 20</u> Closing Meeting

Internal Audit Results FY2022-2023

There are no open findings at this time

- Non-Conformances - 0
- Observation/Opportunity for Improvement – 1
- Comments – 2
- Strengths - 11



Internal Audit Results FY2022-2023

Strengths – Recordkeeping

- Great environmental recordkeeping. (Bachman Recreation Center & Bachman Indoor Pool)
- Excellent environmental recordkeeping. (Penn Service Center, PMO D3 & Paul Dyer Service Center, PMO D1)
- Great fueling records. (Stevens Golf Course)

Strengths – Good Housekeeping

- Great housekeeping. (Jaycee Zaragoza Recreation Center)



Internal Audit Results FY2022-2023

Strengths – EMS Communication

- I.C. Harris managers made procedures and compliance obligations available to all staff by creating binders for each vehicle. (I.C. Harris Service Center)
- Great visual representation of Roles and Responsibilities with the Spill Call Flow Chart. (Lake Highlands North Recreation Center)

Strengths – EMS Continual Improvement

- Great example of sustainability, staff have their own sod farm for replacements. (MoneyGram Soccer Complex)
- Zoo is diverting 69% of its waste. (Dallas Zoo)
- Hospital is moving to digital records. (Dallas Zoo)



Internal Audit Results FY2022-2023

Observations

Comments

1. **Document Control** - Be sure to use current vehicle inspection forms at District 1. (Paul Dyer Service Center, PMO D1)
2. **Waste Storage** - Lid for Waste Aerosol Cans drum is missing its bung. (Cedar Crest Golf Course)

Opportunity for Improvement



Hazard Communication - At time of audit, the Workplace Chemical List did not have liquid Sodium Hypochlorite listed. (Jaycee Zaragoza Pool)

Corrective Action - Aquatics updated the Workplace Chemical List and added Sodium Hypochlorite with the largest quantity and the location.

EMS Communications to Interested Parties

- Communicated information regarding the EMS to internal and external stakeholders:
 - Internally
 - PKR EMS Awareness Bulletin
 - Annual Senior Management Review
 - Environmental Updates at Executive Team meetings
 - Annual Employee Training on compliance, EMS and stewardship
 - Annual Environmental Emergency Drills for service centers, golf maintenance, recreations centers and administration facilities
 - Annual inspections and audit preparation
 - Eco Warriors monthly meetings
 - Eco Warriors monthly email

EMS Communications to Interested Parties

- Communicated information regarding the EMS to internal and external stakeholders, continued:
 - Externally
 - Pre-construction meetings
 - 6-month spill prevention meetings with construction contractors
 - Annual/biennial meetings and inspections with partners
 - Annual meetings with contractors providing services
 - Texas Commission on Environmental Quality (TCEQ)
 - Discharge Monitoring Reports for the Dallas Zoo Wetland Wastewater Permit
 - Tier II Reporting
 - Dam Safety Program, Emergency Action Plan Updates
 - Eco Warriors webpage on Dallas Park & Recreation website
 - Participate in public events, such EarthX Expo

FY2022-2023 Environmental Performance

Spills:

- Environmental Division responded to 8 spills
- 0 Preventable spills by employees

NOV/NOE:

- Notice Of Violation (NOV)/Notice of Enforcement (NOE) issued to Department Construction Project:
 - **Nine** NOV's were addressed

Training:

- 100% PKR employees trained (716 Full-Time Employees)

Alternate Commute Reports/Try Parking It:

- Continued to track CO2 reductions achieved by employees' alternative commutes

EMS and Compliance Audits:

- Timely responses to internal audit findings
- No recurring internal audit findings

Environmental Accomplishment:

- Annual Environmental Accomplishment Submission to OEQS for Digital Document by March 31st – highlighted planned response to monitor for the spread of Emerald Ash Borer



Environmental Performance

FY2022-2023 Objectives & Targets Status

- Multiple Years (MY) 2018-2024 - To continue to progress in sustainable park maintenance standards by establishing a PKR Composting Program/Treecycling Program that diverts Forestry chips from the landfill (Waste Reduction)
- MY 2018-2024 - Conduct a Recycling Project at parks and PKR facilities through implementation of improvements and outreach (Waste Reduction)
- MY 2019-2024 - To reduce water usage at parks by installing SMART irrigation systems that can be monitored remotely for abnormal water use and leaks (SMART Technology)



Environmental Performance

FY2022-2023 Objectives & Targets Status

- MY2022-2024 - Prepare for Emerald Ash Borer in Dallas by conducting assessments of ash trees in parks (Conservation)
- MY 2022-2024 - To establish pollinator habitat for Monarch butterflies at golf courses (Conservation)
- MY2022-2024 - To track irrigation repairs at golf courses and efforts to conserve water (Water Use Reduction)



Changes in Risks

Emerald Lake Dam Rehabilitation Modifications

- Increased spillway capacity to safely pass the 75% Probable Maximum Flood (PMF) design flood, required for dams that are a high hazard classification
- Armoring of upstream embankment, tree removal on downstream embankment, and new sidewalk on crest



Changes in Opportunities

Collaboration with PKR Divisions & OEQS

- Reverse Litter Program with Recreation Services
 - **25,633 pieces of litter** were recorded on tracking logs and removed from parks by more than 300 youth in the Out-of-School Time and Summer programs
- Leave No Trace Spotlight with Outdoor Adventures
 - Participated in the Educator Workshop and Leave No Trace Amazing Race in March 2023
- Air Sensors in Parks
 - Larry Johnson Recreation Center and South Central Park





ECO WARRIORS



Environmental Successes

The Eco Warriors, a green team for Park and Recreation employees, work to incorporate sustainability into daily processes and cultivate a culture with sustainability at its core.

- Outreach to the public (Earth Day celebrations, Bachman Indoor Pool's Ocean Swim, Turn Up! at the Frontiers of Flight Museum)
- Collaborated to provide environmental service activities for Teen Campers (invasive species removal, tours of Recycling Facility and Landfill, and stormwater activity)
- Encourage plastic use reduction - Youth Services encourages youth sports participants to use less plastic water bottles
- Continue research on battery powered equipment through demonstrations and trail use of small equipment, backpack blowers, and mowers
- Increase use of Green Cleaning products and eco-friendly products
- Establish Monarch habitat at Golf Courses
- Track pesticide applications using an electronic database
- Update the Integrated Pest Management Plan
- Work with a beekeeper on relocating bee hives
- Implement Dark Sky Lighting Requirements on new projects
- Finalize landscaping specifications for use internally and by consultants

Environmental Awards



- Eco Warriors received the Environmental Stewardship Award from the DFW Directors Association on April 13, 2023
- The Branching Out program received the 2023 Gold Leaf Award for Outstanding Landscape Improvement by Texas A&M Forest Service & the Texas Chapter of the International Society of Arboriculture on Sept 21, 2023





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