

Everglades National Park Monitoring

Procedures for assuring quality
sample collection



11.14.2002

Mandates

- Mandates for monitoring ENP include the EFA, Settlement Agreement, NECP Permit, and the C111D Emergency Order.
- These legal documents provide high level guidance over monitoring requirements including structures, parameters and occasionally frequencies.

Monitoring Plans

- Monitoring plans are interpretations of mandates into specific, usually geographically based projects.
- Monitoring plans specify stations, station coordinates, parameters, sampling frequencies, and any project specific deviations from the Field Sampling Quality Manual.
- Projects associated with ENP include EVER, ENPF, ENPW, ENP, C111D, TAMB, CAMB, and NECP. Current draft monitoring plans are being consolidated into a final integrated plan.

Field Sampling Quality Manual

- The manual is an agency specific document that specifies
 - Sample collection procedures
 - Field testing procedures
 - Quality control requirements
 - Decontamination procedures
 - Documentation requirement
- The manual complies with the FDEP rules.
- Manual may be supplemented or clarified with activity specific SOPS.

Monitoring for ENP Inflows

- Majority of work contracted out to Miami-Dade County Department of Environmental Resources Management
 - follows FDEP QA rule and SOPS.
 - maintains an agency field sampling quality manual.
 - follows SFWMD manual when collecting samples for the SFWMD.
 - maintains training documentation and records for all sampling personnel.
- Miami-Dade work products are reviewed by SFWMD staff, including contract manager, project manager, and laboratory receiving.
- SFWMD meets with Miami-Dade for informal discussions, formal contractual issues, training, field visits, and audits.

Miami-Dade Audit Results

- Miami-Dade was audited on 1/26/05.
- Field sampling procedures were deemed adequate.
- Minor deficiencies requiring corrective actions were appropriately addressed.

Monitoring for ENP Interior

- Majority of work contracted out to ENP Staff
- ENP work products are reviewed by SFWMD staff, including contract manager, project manager, and laboratory receiving.
- SFWMD meets with ENP for informal discussions, formal contractual issues, training, field visits, and audits.

ENP Audit Results

- ENP was audited on 12/15/04.
- Some field sampling procedures were deemed of concern.
- Deficiencies requiring corrective actions are being addressed.
 - ENP Quality manual is in draft
 - Procedures to maintain training records are being developed

What documents help assure quality of ENP monitoring?

- Mandates
- SFWMD Monitoring plans
- SFWMD and Sampling Agency field sampling quality manual
- FDEP QA rule and SOPS
- Training documentation
- Sample collection documents
- Audits
- Contractual Agreement