



December 15, 2004

Ms. Jessica Fliss
Project Manager
Indiana Department of Environmental Management
100 North Senate Ave.
P.O. Box 6015
Indianapolis, IN 46206-6015

Re: Illinois Central Spring Treatment Plant
Bloomington, Indiana
Monthly Operation Report
November 2004

Dear Ms. Fliss:

In accordance with the current contract with the City of Bloomington, Environmental Field Services, Inc. (EFS) is pleased to provide you with this Monthly Report of Operations of the Illinois Central Spring Treatment Plant (ICSTP) located in Bloomington, Indiana for the reporting month of November 2004.

Highlights of the Month

Precipitation recorded for the month was 4.19 inches. The National Weather Service records show that the historical average rainfall for the month is 3.89 inches. The maximum rainfall during a 24-hour period occurred on November 2nd with 1.00 inches being recorded. Complete precipitation data for the month is included in Attachment A.

All water coming into the plant was processed for a total of approximately 10,798,509 gallons during the month. The average flow for the month was 309.1gpm. Complete flow data is included in Attachment B. This flow data is based on the most accurate information available given the margin of error and tolerance of flow measurement associated with the instrumentation utilized at the plant.

Miscellaneous Activities during the Month

- a. Phil Moss with Ozark Underground Laboratory and Jim Peyton with Baker Engineering & Energy were on site to change dye detector at spring.
- b. Downloaded Flolink data and performed monthly backup for ICS plant records and for PSARA Technologies.
- c. Eyewash station and showers inspected and flow tested, conducted weekly inspections of spring area, air compressor and generator.
- d. Backwashed all four Active Carbon tanks.
- e. Replaced strip chart plotter paper and printer ribbon on the ISCO 4250 Flow Meter
- f. Drain SRS storage tanks of 296,850 of storm water from November 2nd rain event.
- g. Replaced dead battery in emergency light system next to front entrance door
- h. Spring flow increase due to PSARA Technologies flow test in railroad ditch by Lemon Lane Landfill.
- i. Replaced one light bulb and two burned out transformers on exterior lighting for SRS tanks and plant building
- j. Responded to two call outs:
 - a. SRS Process Feed Pump P-103 (800gpm) malfunction which was fixed by resetting pump.
 - b. High water pressure in Multi Media Filters T-103A & C which was remedied by backwashing the filters.

Corrective Action

During the month of November, the plant heating system was inspected and one heater exhaust vent was separated and venting carbon monoxide into the building. A maintenance technician from Heflin Industries repaired the leak and replaced two additional rusted elbows associated with another heater. The plant's printer/fax machine stopped working and was replaced.

Analytical Results

A summary of the analytical results for the reporting period is included in Attachment C. The PCB results indicate that the plant is operating properly as no PCBs were identified by the laboratory in the effluent stream from the plant.

Report from Visitors Log / Plant Access

The Visitors' Log is available for inspection at the ICS office. Copies of this log are available to authorized personnel upon request and authorization of the IDEM Project Manager. There were several visitors to the site during the month of October whose names are reflected in the log.

Summary of Costs

Total costs for the reporting period of November 2004 are \$ 12,490.46. The current cumulative total of expenses incurred to date under this contract is \$ 49,993.83 or 20 % of the total budget for this contract. Complete budget data is included in Attachment D.

This reporting is filed electronically with the Project Manager of the State of Indiana, Department of Environmental Management (IDEM). The original reporting including signatory requirements are maintained at the ICS Water Treatment Facility at 1550 West Third St., Bloomington, Indiana 47403. Copies of this reporting are available for review upon written authorization of the IDEM Project Manager. The original documents on file at the ICS Water Treatment Facility shall prevail over any other such outstanding copy or reproduction. Discrepancies, changes, or modifications to copies should be confirmed with the original documentation.

This cover letter and attachments completes the monthly report for Illinois Central Springs Treatment Plant. If there are any questions, please contact me at 812-330-0790.

Sincerely,

Steven B. Wade

Steven B. Wade
Primary Operator

A handwritten signature in black ink, appearing to read "Brooks R. Bertl". The signature is fluid and cursive, with a prominent initial "B" and "R".

Brooks R. Bertl
Lead Operator

CC: Tom Alcamo, U.S. EPA, w/Attach.
Dottie Alke, Viacom, Inc., w/Attach.
John Langley, City of Bloomington Utilities, w/Attach.