



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

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Interoffice Memorandum

Compliance/Enforcement

TO: Bob Cooley, Water Facilities Administrator
Northwest District

THROUGH: Howard L. Rhodes, Director *HLR*
Division of Water Facilities

FROM: Robert E. Heilman, P.E., Chief *REH*
Bureau of Water Facilities Planning and Regulation

DATE: May 2, 1991

SUBJECT: Fifth Year Inspection Reports.
Tallahassee Review Committee Comments

The joint District/Tallahassee Fifth Year Inspection (FYI) report review committee has met to discuss the results for several facilities in your district. Comments are being provided for the following industrial and federal permittees:

- 1) Gulf Power/Crist Electric Generating Plant
FL0000227 GMS #1017P00570
- 2) Gulf Power/Lansing Smith Electric Generating Plant
FL0002208 GMS #1003P02800
- 3) Gulf Power/Scholz Electric Generating Plant
FL0002283 GMS #1032P37371
- 4) Showell Farms
FL0002453 GMS #1066P00072
- 5) Monsanto Chemical Company
FL0002488 GMS #1017P00580
- 6) Pensacola Naval Air Station WWTP
FL0002500 GMS #1017F00625
- 7) City of Tallahassee/S.O. Purdom Generating Plant
FL0025526 GMS #1065M02695

Facility specific comments and recommendations for permit conditions (if any) appear below:

Gulf Power/Crist Plant

No major problems with the facility detected in FYI review process. Recommend adding bioassay testing requirement (96-hour acute screen tests) for those outfalls to waters of the state that may contain toxic substances (e.g., metal cleaning wastes, low-volume

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wastes, biocides, etc.).

Gulf Power/Lansing Smith Plant
Comments given for Crist plant apply here.

Gulf Power/Schulz Plant
See Gulf Power/Crist Comments.

Showell Farms

Several areas of concern at this facility were raised by the FYI review, particularly with regard to nutrients and coliform levels. We recommend including a plan of study in the permit (or a requirement to submit one) designed to investigate nutrient impacts in waters downstream of the outfall. Violations of the total and fecal coliforms standards in Carpenter Branch, at the edge of the Showell Farms mixing zones should also be examined. We would like to discuss whether our rules allow mixing zones for coliforms. A timetable for completing the study and implementing any corrective measures should be given.

Monsanto

The review group had several questions about potential impacts due to Monsanto's outfalls, some of which may be answered by the yet to be performed CSI. A study with stations bracketing Monsanto's outfalls may be needed to determine whether the facility is responsible for the stressed macroinvertebrate populations found downstream in the Escambia River. The permit writer should contact Greg Smith for the CSI completion date.

Pensacola Naval Air Station

The review group recommends further investigation of the elevated metal concentrations noted in past inspections of the facility. In particular, high silver and mercury concentrations are of concern, due to the lack of permitted mixing zones and due to potential toxicity. Acute 96-hour screening bioassays should be required at outfalls of concern.

City of Tallahassee/S.O. Purdom Plant

See Gulf Power/Crist comments. The treatment process as described in the Bioassessment Report (Nov., 1990) should be verified for effectiveness (i.e., pumping from a pond to a treatment tank, then flowing back to the same pond for settling and pH adjustment).

Please contact me if you have any questions regarding this review.

REH/jmp/drh

cc: Jerry Brooks