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12/31/83 SAVANNAH RIVER

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RECORDS ADMINISTRATION

R2758532

DEPARTMENTAL
ENVIRONMENTAL ACTION PLAN

DATA SHEETS

REF: SITE ENVIRONMENTAL ACTION PLAN

**BEST AVAILABLE COPY
FOR ENTIRE DOCUMENT**

APPENDIX B

CODED IDENTIFICATION FOR
ENVIRONMENTAL ACTION PLAN DATA SHEETS

The EAPD number in the upper right hand corner of each data sheet is coded as X-YZ-N* where:

X = Area identification letter

Y = One of the following letters:

N = Hazardous nonradioactive contamination

R = Radioactive contamination

M = Mixed radioactive-hazardous nonradioactive contamination

Z = One of the following letters:

B = Basin designed and excavated for the disposal of liquids

P = Pits designed and excavated for the disposal of dry waste

Q = Piles of dry waste stored on the ground surface (if waste is covered with soil a pile becomes a pit)

S = Spill sites where liquid or airborne releases have settled, leaving lasting contamination

A = Ambient air releases from current operations

A = Water contamination resulting from current or past releases to streams or swamps. (This includes locations where contamination has settled to the soil under the water; e.g., cesium contamination of Steel Creek bed.)

*N = A sequential numerical identification. Numerical sequence identifies sites that have identical code letters X, Y and Z.

* An optional code letter sometimes follows this number to designate a custodian.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Raw Materials Department

SITE DESCRIPTION AND LOCATION: Chlorinated organics (mostly trichloroethylene and tetrachloroethylene) in the groundwater within and outside of M Area.

COORDINATES AND SIZE: Approximately 900 acres with greater than 20 ppb chlorinated organics. Estimated center of plume is approximately 500 ft northwest of N 102,202, E 49,328.

INVENTORY OF CONTAMINANTS: Approximately 100,000 pounds of tetrachloroethylene and trichloroethylene.

CURRENT USE: 0.48 lb per day of 1, 1, 1 trichloroethane discharged to the M-Area process sewer.

NATURE OF CONCERN: Trichloroethylene is assessed as having potential carcinogenic risk. Some contamination has reached the Tuscaloosa aquifer, a local drinking water supply. Corrective action in the tertiary formations is necessary to retard further contaminant migration.

REGULATIONS: RCRA

PROGRAM: Extensive mapping of groundwater contamination is nearly complete. Air stripping has been proven to remove the organics. A management strategy for the Tuscaloosa Formation will be implemented approximately 6 months after additional monitoring wells and an analytical model are completed.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Raw Materials Department

SITE DESCRIPTION AND LOCATION: A square basin outside of M Area. Designated as 904-51G in DPSP-83-1008. This basin overflows into Lost Lake (904-112 G).

COORDINATES AND SIZE: N 102,151 and E 48,684 at the northeast corner. The basin is 279 ft by 331 ft.

INVENTORY OF CONTAMINANTS: Unknown quantities of heavy metals, phosphates, sulfates, nitrates, and nickel have been discharged from M Area into the basin since 1958. Chlorinated organics (mostly trichloroethylene and tetrachloroethylene) discharged to the basin have seeped into the groundwater around the basin contributing to the aquifer contamination.

<u>CURRENT USE:</u> Heavy metals (Ba, Cd, Cr, Pb, Hg)	0.035 to 0.55 lb/day
Uranium (1.1% ²³⁵ U)	8.4 lb/day
Nitrates	13.7 to 167 lb/day
Sulfates	3.7 to 4.9 lb/day
Sodium	40.1 to 109 lb/day
Aluminum	5.4 to 25.5 lb/day
Phosphates	5.2 to 32.1 lb/day
pH	3 to 12 lb/day

NATURE OF CONCERN: Trichloroethylene is assessed as having potential carcinogenic risk. Some contamination has reached the Tuscaloosa aquifer, a local drinking water supply. Corrective action in the tertiary formations is necessary to retard further contaminant migration.

REGULATIONS: RCRA, DOE Order 54-80A.

PROGRAM: Extensive mapping of the contaminated area is being performed by SRP, SRL, and outside consultants. The cleanup operation will be part of the program for M-NS-1. Current plans call for basin decommission by March 1985. A wastewater treatment project is currently being developed.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Raw Materials Department

SITE DESCRIPTION AND LOCATION: Steed's Pong, resulting from a dam built on Tim's Branch, an M-Area outfall (designated as A14 in DPSP-81-1045).

COORDINATES AND SIZE: A lake of approximately 11 acres located at plant coordinated E 51,250, N 94,000.

INVENTORY OF CONTAMINANTS: Four to five curies of uranium are estimated to be deposited in the top 6 in. of soil over 13 acres.

CURRENT USE: Only non-contact cooling water from M Area is discharged into Tim's Branch. Other areas may discharge contaminants into this outfall.

NATURE OF CONCERN: Residual uranium in the soil around the pond.

REGULATIONS: RCRA, DOE Order 54-80A.

PROGRAM: . None developed at this time.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Raw Materials Department

SITE DESCRIPTION AND LOCATION: Covered basin is located north and adjacent to Baxley Road, 0.5 miles west of Road A. The dirt road entrance is west of Road A and 0.2 miles north of Road 6. Basin has received radioactive and chemical miscellaneous aqueous waste from Building 313-M. Site is Building 904-111G.

COORDINATES AND SIZE: A square basin approximately 160 ft. square with center location of N56200, E30300 (Ref: Map 3302, Sheet 608).

INVENTORY OF CONTAMINANTS: Some radioactive and nonradioactive acid and caustic solutions of undetermined quantities.

CURRENT USE: Closed, covered basin.

NATURE OF CONCERN: Radioactive aqueous and acidic solutions which are suspected not to be in drums. All liquid constituents present are not defined, quantities are not defined.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Three monitoring wells were recently installed in the vicinity. Priority for establishing a good monitoring program should be very high. Expansion of groundwater monitoring in the area should be considered in the future. Samples should be taken at the site to determine the radioactive constituents at the site and quantities present, with high priority.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Raw Materials Department

SITE DESCRIPTION AND LOCATION: Covered basin west of Road D, west and adjacent to Road C-1, approximately one mile northeast of Road C. Basin has received fertilizers, ash sludge and suspected miscellaneous solid and liquid chemicals from 300-M Area. Site is Building 731-5A.

COORDINATES AND SIZE: A square shallow basin approximately 400 ft. sq. with approximate center location of N97700, E44500 (Ref: Map 3302, Sheet 1061).

INVENTORY OF CONTAMINANTS: Unknown quantities of chemicals with suspected origin of 300-M Area. Relative volume of chemical inventory should be less than 2000 cu. ft.

CURRENT USE: Closed

NATURE OF CONCERN: Miscellaneous chemicals and quantities which are not defined.

REGULATIONS: No specific regulations are applicable until exact contents are determined.

PRIORITY FOR CLEANUP: Low

PROGRAM: Three monitoring wells were recently installed in the vicinity of the site. Initiate monitoring schedule and expand groundwater monitoring as necessary. Priority for monitoring should be high.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Raw Materials Department

SITE DESCRIPTION AND LOCATION: Covered pit west of Road D, west and adjacent to Building 731-5A, approximately one mile northeast of Road C. Pit has received hazardous metals from 300-M Area. Site is Building 731-4A.

COORDINATES AND SIZE: A rectangular pit approximately 125 ft. by 400 ft. with center location of N97700, E44100 (Ref: Map 3302, Sheet 1061).

INVENTORY OF CONTAMINANTS: Unknown quantities of primary lithium-aluminum alloy shavings from 300-M Area. Also, magnesium alloy shavings are suspected to be present at the site.

CURRENT USE: Closed

NATURE OF CONCERN: Magnesium and lithium-aluminum alloys are highly explosive and a dangerous fire risk (Ref: DPSOL 158-2-4115 and DPSOL 158-2-4112). Magnesium is highly explosive in contact with nitrogen and Building 731-5A, which contains fertilizers, is adjacent to the site.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Three monitoring wells were recently installed in the vicinity. Monitoring for hydrogen would indicate reaction of magnesium alloy with water. Secondary steps would be to remove magnesium alloy shavings and package properly for burial or burn the alloy at the site. Lithium-aluminum alloy shavings should be repackaged properly.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Raw Materials

SITE: Storm water outfall which received some cooling water before discharging into an unnamed tributary of Tims Branch.

LOCATION: Outfall A-14.

INVENTORY: Infrequent discharges of Ag, Al, CO, Cr, Fe, Mg, Mn, Na, and Zn.

CURRENT USE: Cooling water discharge and storm runoff from lower 3/700 Areas.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Raw Materials Department

SITE DESCRIPTION AND LOCATION: Stack releases from production operations in Buildings 313-M, 320-M, and 321-M.

COORDINATES AND SIZE: Four stacks located near E 50,000, N 104,500.

INVENTORY OF CONTAMINANTS:

CURRENT USE: NO_x - 6.9 lb/hr average, 16.6 lb/hr maximum, 1.1.1 TCE - 3,424 gal/month (38,191 lb/month).

NATURE OF CONCERN: NO_x is listed on the SCDHEC stack release permits.

REGULATIONS: Clean Air Act

PROGRAM: None

PRIORITY: -No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Buildings 295-H and 297-H are exhaust stacks for the 232-H Building. The stacks are located at the NE and SW corners of the 232-H Buildings.

COORDINATES AND SIZE: The coordinates for the 295-H stack are N72800, E62306 and the coordinates for the 297-H stack are N73012, E62480.

INVENTORY OF CONTAMINANTS: Unknown amounts of tritium contamination.

CURRENT USE: The building and process air is discharged through these exhaust stacks. The 295-H exhaust stack has an average flow of 13,000 cfm and the 297-H exhaust stack has an average flow of 104,000 cfm. Both stacks exhaust about 44% of all 200-F and H area atmospheric tritium releases.

NATURE OF CONCERN: Amount of tritium being released to the atmosphere.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Alternate process methods and facilities are being evaluated by Plant and SRL personnel to reduce tritium releases to the atmosphere. It is the continuing objective of the DuPont company to reduce radioactive releases to the lowest practical levels even though well within legal limits or guidelines.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Building 298-H is an exhaust stack for the 237-H and 238-H Buildings. The stack is located on the north side of 238-H.

COORDINATES AND SIZE: N72948, E61695

INVENTORY OF CONTAMINANTS: Unknown amounts of tritium contamination.

CURRENT USE: Building and process air is discharged through this exhaust stack. The stack has an average flow of 26,000 cfm and about 1% of the 200-F and H area tritium atmospheric releases is from this stack.

NATURE OF CONCERN: Responsible concern for any tritium release to the atmosphere through a plant stack. Procedures and monitors provide control for tritium releases to this stack.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Continue to follow approved SRP procedures and practices which allow small amount of radioactivity to be released annually.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Building 296-H is an exhaust stack for the 234-H Building. The stack is located on the east side of Building 234-H.

COORDINATES AND SIZE: N72956, E62080.

INVENTORY OF CONTAMINANTS: Unknown amounts of tritium contamination.

CURRENT USE: Building and process air is discharged through this exhaust stack. The stack has an average flow of 136,000 CFM and about 54% of all 200-F and H Area atmospheric tritium releases is from this stack.

NATURE OF CONCERN: Amount of tritium being released to the atmosphere.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Alternate process methods and facilities are being evaluated by Plant and SRL personnel to reduce tritium releases to the atmosphere. It is the continuing objective of the DuPont Company to reduce radioactive releases to the lowest practical levels even though well within legal limits or guidelines.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: EED

SITE: Overflow from a process wastewater settling/seepage basin to a Carolina Bay.

LOCATION: Outfall A-7, located outside perimeter fence southwest of Building 745-A, coordinates northeast corner, N104, 114.0-E51, 556.0.

INVENTORY: Basin 68 ft x 128 ft, volume $< 1.5 \times 10^6$ l, occasionally overflows. Has received cooling water, acids, caustics, and solvents (including 25 gal/yr triclene, perclene, and trichloroethane).

CURRENT USE: Cooling water, acids, and caustics.

NATURE OF CONCERN: Possible contamination of groundwater. This Carolina Bay discharges underground, there is no surface overflow.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM:

- 1) Segregate toxic wastes in laboratory and store at Building 710-U.
- 2) Segregate chemical wastes in laboratory, neutralize, monitor, and send to sanitary waste treatment plant.
- 3) Recirculate cooling water.
- 4) Decommission basin.

To be done in conjunction with project to upgrade metallurgical laboratory facilities in 1983 or 1984 (S-2536).

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: P & GS

SITE: Normally dry process outfall to an unnamed tributary of Tims Branch.

LOCATION: Outfall A-6, located east of Building 733-A.

INVENTORY: Leakage of oil drums has saturated gravel area with various types of oil. Infrequent discharge of NO₃, organic nitrogen, P, and surfactants.

CURRENT USE: Drainage from oil leaks and washdowns from flammable storage building and SREL animal holding facility.

NATURE OF CONCERN: Possible contamination of stream.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: Excavation and removal of oil saturated dirt and gravel. Construction of oil storage facility west of Building 733-A with provisions for oil containment. (Project 83-SR-020)

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: P & GS

SITE: Normally dry storm water outfall. Effluent for Salvage Yard, Building 740-A.

LOCATION: Outfall A-16, located southwest of Building 762-A, across railroad.

INVENTORY: 850 oil drums and 1,300 batteries.

CURRENT USE: Storage of oil drums and batteries.

NATURE OF CONCERN: Possible contamination of ground water because effluent seeps into ground.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: Provide covered storage area (100 ft x 45 ft) similar to oil drum storage at Building 733-A. Drum storage (3,000 sq ft) to be separated from battery storage (1,500 sq ft) by slope or curb. NPDES Project 83-SR-020)

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: P & GS

SITE: Nonprocess sewer outfall which receives cooling water and photographic waste water before discharging.

LOCATION: Outfall A-24, located across SRP Road 1, northeast of Building 703-A.

INVENTORY: Frequent: Cl, Fe, K, NH₄, PO₄, and surfactants. Infrequent: Acetate, Ag, Br, chromate, Cl, cyanide, formaldehyde, methylene chloride, Mg, NO₃, Pb, oil and grease, organic nitrogen, and Zn.

CURRENT USE: Discharge for Building 703-A photographic waste water, storm drainage, and runoff from Building 703-A parking lot.

NATURE OF CONCERN: Effluents seep into the ground. Possible ground water contamination with potential for offsite contamination.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM:

- 1) Install monitoring wells in the vicinity of outfall A-24 and develop a groundwater water program for this site.
- 2) Hazardous chemicals to be separated and drummed in the photo laboratory for storage at Building 710-U.
- 3) Nonhazardous waste to be routed to sanitary sewer via holding tank for pH and flow adjustment.

PRIORITY: Medium

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SREL

SITE DESCRIPTION AND LOCATION: Outfall T-5 in SRP application for renewal of NPDES permit SC000175 (1981). Outfall drains to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: Outfall located at latitude 33°17'06"N and longitude 81°43'17"W.

INVENTORY OF CONTAMINANTS: Miscellaneous laboratory chemicals, infrequent Cl, Pb, and oil and grease.

CURRENT USE: Outfall T-5 receives storm water runoff from immediate vicinity of Building 704-U (TC-1) and wastewater from SRL laboratories located in D-Wing of Building 704-U.

NATURE OF CONCERN: Potential exists for exceeding NPDES permit limits and/or release of reportable quantities of hazardous pollutants other than those listed in the NPDES permit application.

REGULATIONS: NPDES permit; CERCLA.

PROGRAM: A facility for treating wastewater from the D-wing laboratories in Building 704-U is planned and expected to be operating by June 1984. Other treatments will be applied as treatment capabilities are developed.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SREL

SITE DESCRIPTION AND LOCATION: Outfall T-1 in SRP application for renewal of NPDES permit SC000175 (1981). Outfall drains to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: Outfall located at latitude 33°17'30"N and longitude 81°43'36"W.

INVENTORY OF CONTAMINANTS: Small quantities of hazardous and nonhazardous laboratory chemicals are discharged infrequently.

CURRENT USE: Receives surface runoff from miscellaneous sources and wastewater from Building 772-25G, a research laboratory operated by SREL.

NATURE OF CONCERN: Potential exists for release of reportable quantities of hazardous pollutants other than those listed in the NPDES permit application.

REGULATIONS: NPDES permit; CERCLA.

PROGRAM: Develop processes to remove hazardous constituents from wastewater generated by SREL facilities. Treat discharge to outfall T-1 as appropriate.

PRIORITY: High (Develop cleanup capability.)
Moderate (Treat discharge to outfall T-1.)

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SREL

SITE DESCRIPTION AND LOCATION: Outfall US-2 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: Outfall located at latitude 33°21'46"N and longitude 81°40'58"W.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Receives surface runoff from miscellaneous sources.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SREL

SITE DESCRIPTION AND LOCATION: Outfall A-4 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to Tims Branch.

COORDINATES AND SIZE: Outfall located at latitude 33°20'38"N and longitude 81°44'03"W.

INVENTORY OF CONTAMINANTS: Infrequently oil and grease, Pb.

CURRENT USE: Normally dry storm water outfall.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Forest Service (SREL also uses the disposal site.)

SITE DESCRIPTION AND LOCATION: Rubble pile located adjacent to Road 2-1 about 1/2 mile southeast of the Forestry Service headquarters.

COORDINATES AND SIZE: The disposal site encompasses about 1/2 acre and is located at approximately N99300, E70000.

INVENTORY OF CONTAMINANTS: Principally animal carcasses, but includes concrete and metal rubble, fluorescent light fixtures, lumber, etc.

CURRENT USE: Disposal site for beaver kills, feral hog carcasses, and road-killed deer. Useage is expected to decrease after 1983.

NATURE OF CONCERN: No immediate endangerment of the environment. However, as an open dump, the disposal site constitutes a way of disposing of solid waste that is prohibited by SCDHEC regulations.

REGULATIONS: SCDHEC Regulations for Industrial Solid Waste Disposal Sites (PC-SW-2).*

PROGRAM: Elements of program (to be developed will include:

- Establish custodianship of site.
- Implement alternative methods for disposing of new waste.
- Determine types of old waste at site.
- Develop and implement cleanup plan.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: U. S. Forest Service

SITE DESCRIPTION AND LOCATION: Miscellaneous scrap metal and rubble piles, 0.2 miles north of Forestry Buildings and Road 2-1. Site has miscellaneous scrap metal, concrete blocks, lumber, and tires. One approximately 600 gallon scrap kerosene tank and 10 ft. sq. woodshed sited.

COORDINATES AND SIZE: Miscellaneous scrap metal and rubble piles scattered over 2 acres with approximate coordinates N102200, E69100 (Ref: Map 3302, Sheet 1128).

INVENTORY OF CONTAMINANTS: Approximately 10 ft. sq. concrete block pile, 30 ft. sq. lumber pile, 40 ft. sq. scattered scrap metal and 10 ft. sq. tire pile.

CURRENT USE: Open, but not a registered dumping site.

NATURE OF CONCERN: Housekeeping and unauthorized waste dumping.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: None

PROGRAM: Recommend transfer of lumber to the wood burning pit, Building 231-3F. Cleanup of scrap metal and other waste should be accomplished and transported to Sanitary Landfill, Building 740-G or Salvage Yard, Building 740-A. Action should be low priority, but include a date of completion for waste transfer.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Savannah River Ecology Lab

SITE DESCRIPTION AND LOCATION: Miscellaneous rubble piles approximately 0.5 miles southeast of Road 2 and 0.25 miles northeast of Road 2-1 adjacent to the Forestry Headquarters, Building 760-G. All piles occupy and include areas of the existing SREL Test Site. One 20 ft. by 20 ft. area includes lumber, fluorescent light fixtures, concrete, drums and cans. Other miscellaneous piles include dead animals, lumber, wire, drums and cans. There is evidence that some waste is buried. Site is east and adjacent to Forestry Headquarters, 760-G and is the SREL test site.

COORDINATES AND SIZE: Area covers approximately 4 acres with most rubble piles covering an approximate area of 100 ft. by 500 ft. Approximate center location is N108000, E69400 (Ref: Map 3302, Sheets 1098 & 1127).

INVENTORY OF CONTAMINANTS: Mostly lumber and scrap metal spread over site area.

CURRENT USE: Active, inventory is unorganized.

NATURE OF CONCERN: Consistency of contents is uncertain due to undetermined, suspected burial sites.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: None

PROGRAM: Recommend consolidating waste to one square pile, removal and destruction of any SREL test facilities not in use, taking waste lumber to the Burning Pit, Building 231-3F for burning and covering resultant site with earthen cover and seed. Identify locations and record contents of suspected waste buried. Action should be low priority but include a date of completion for site consolidation.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Forest Service

SITE DESCRIPTION AND LOCATION: Outfall US-1 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: Outfall located at latitude 33°21'42"N and longitude 81°40'59"W.

INVENTORY OF CONTAMINANTS: Infrequently oil and grease, Pb.

CURRENT USE: Receives surface runoff from miscellaneous sources.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Forest Service

SITE DESCRIPTION AND LOCATION: Outfall US-5 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to a Carolina Bay.

COORDINATES AND SIZE: Outfall located at latitude 33°21'44"N and longitude 81°41'08"W.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Receives surface runoff from miscellaneous sources.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Forest Service

SITE DESCRIPTION AND LOCATION: Outfall US-4 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to a Carolina Bay.

COORDINATES AND SIZE: Outfall located at latitude 33°21'42"N and longitude 81°41'05"W.

INVENTORY OF CONTAMINANTS: Infrequently oil and grease, Pb.

CURRENT USE: Receives surface runoff from Building 613-13G (parking lot).

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Forest Service

SITE DESCRIPTION AND LOCATION: Outfall US-3 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to a Carolina Bay.

COORDINATES AND SIZE: Outfall located at latitude 33°21'42"N and longitude 81°41'03"W.

INVENTORY OF CONTAMINANTS: Infrequently oil and grease, Pb.

CURRENT USE: Receives surface runoff from miscellaneous sources.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-7

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: EED

SITE: Overflow from a process wastewater settling/seepage basin to a Carolina Bay.

LOCATION: Outfall A-7, located outside perimeter fence southwest of Building 745-A, coordinates northeast corner, N104, 114.0-E51, 556.0.

INVENTORY: Basin 68 ft x 128 ft, volume $< 1.5 \times 10^6$ l, occasionally overflows. Has received cooling water, acids, caustics, and solvents (including 25 gal/yr trichloroethylene, perchloroethylene, and trichloroethane).

CURRENT USE: Cooling water, acids, and caustics.

NATURE OF CONCERN: Possible contamination of groundwater. This Carolina Bay discharges underground, there is no surface overflow.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM:

- 1) Segregate toxic wastes in laboratory and store at Building 710-U.
- 2) Segregate chemical wastes in laboratory, neutralize, monitor, and send to sanitary waste treatment plant.
- 3) Recirculate cooling water.
- 4) Decommission basin.

To be done in conjunction with project to upgrade metallurgical laboratory facilities in 1983 or 1984 (S-2536).

PRIORITY: High

Revision Date: 8-4-83
EAPD: A-NW-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: P & GS

SITE: Normally dry process outfall to an unnamed tributary of Tims Branch.

LOCATION: Outfall A-6, located east of Building 733-A.

INVENTORY: Leakage of oil drums has saturated gravel area with various types of oil. Infrequent discharge of NO₃, organic nitrogen, P, and surfactants.

CURRENT USE: Drainage from oil leaks and washdowns from flammable storage building and SREL animal holding facility.

NATURE OF CONCERN: Possible contamination of stream.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: Excavation and removal of oil saturated dirt and gravel. Construction of oil storage facility west of Building 733-A with provisions for oil containment. (Project 83-SR-020)

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: P & GS

SITE: Normally dry storm water outfall. Effluent for Salvage Yard, Building 740-A.

LOCATION: Outfall A-16, located southwest of Building 762-A, across railroad.

INVENTORY: 850 oil drums and 1,300 batteries.

CURRENT USE: Storage of oil drums and batteries.

NATURE OF CONCERN: Possible contamination of ground water because effluent seeps into ground.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: Provide covered storage area (100 ft x 45 ft) similar to oil drum storage at Building 733-A. Drum storage (3,000 sq ft) to be separated from battery storage (1,500 sq ft) by slope or curb. NPDES Project 83-SR-020)

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: P & GS

SITE: Nonprocess sewer outfall which receives cooling water and photographic waste water before discharging.

LOCATION: Outfall A-24, located across SRP Road 1, northeast of Building 703-A.

INVENTORY: Frequent: Cl, Fe, K, NH₄, PO₄, and surfactants. Infrequent: Acetate, Ag, Br, chromate, Cl, cyanide, formaldehyde, methylene chloride, Mg, NO₃, Pb, oil and grease, organic nitrogen, and Zn.

CURRENT USE: Discharge for Building 703-A photographic waste water, storm drainage, and runoff from Building 703-A parking lot.

NATURE OF CONCERN: Effluents seep into the ground. Possible ground water contamination with potential for offsite contamination.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM:

- 1) Install monitoring wells in the vicinity of outfall A-24 and develop a groundwater water program for this site.
- 2) Hazardous chemicals to be separated and drummed in the photo laboratory for storage at Building 710-U.
- 3) Nonhazardous waste to be routed to sanitary sewer via holding tank for pH and flow adjustment.

PRIORITY: Medium

Revision Date: 7/11/83
EAPD: F-NP-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Building 231-F is a former burning pit and rubble pit located at the end of a dirt road north of the F Area entrance road. The site was used for the disposal of burnable and nonburnable nonradioactive waste (ref. F-1 and F-2).

COORDINATES AND SIZE: The site is 74 ft by 275 ft with the following coordinates:

N79332.2	E50723.7
N79328.6	E50802.7 (Ref. F-1)
N79618.9	E50716.5
N79647.1	E50800.1

INVENTORY OF CONTAMINANTS: Site may be contaminated with pesticides, waste oil, solvents, and paints - amount unknown (ref. F-2).

CURRENT USE: None

NATURE OF CONCERN: Possible contamination of ground water.

REGULATIONS: CERCLA

PROGRAM: Initiate ground water monitoring consistent with available funding.

PRIORITY: Medium

Revision Date: 7/11/83
EAPD: F-NP-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Building 231-1F is a former burning pit and rubble pit located at the end of a dirt road north of the F Area entrance road. The site was used for the disposal of burnable and nonburnable nonradioactive waste (ref. F-1 and F-2).

COORDINATES AND SIZE: The site is 68 ft by 275 ft with the following coordinates:

N79335.4	E50662.8
N79332.2	E50723.7 (Ref. F-1)
N79597.8	E50645.9
N79618.1	E50716.5

INVENTORY OF CONTAMINANTS: Site may be contaminated with pesticides, waste oil, solvents, and paints - amount unknown (ref. F-2).

CURRENT USE: None

NATURE OF CONCERN: Possible contamination of ground water.

REGULATIONS: CERCLA

PROGRAM: Initiate ground water monitoring consistent with available funding.

PRIORITY: Medium

Revision Date: 7/11/83
EAPD: F-NP-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Building 231-2F is a former rubble pit located at the end of a dirt road north of the F Area entrance road. The site was used for disposal of nonburnable, nonradioactive waste (ref. F-1 and F-2).

COORDINATES AND SIZE: The site is 261 ft by 509 ft with the following coordinates:

N79122.9	E51088.9
N79144.9	E51159.4 (Ref. F-1)
N79405.8	E51115.6
N79733.3	E51162.1
N79781.9	E50921.7

INVENTORY OF CONTAMINANTS: Site may contain asbestos, batteries, and paints - amount unknown (ref. F-2).

CURRENT USE: None

NATURE OF CONCERN: Possible contamination of ground water

REGULATIONS: CERCLA

PROGRAM: Initiate groundwater monitoring consistent with available funding.

PRIORITY: Medium

Revision Date: 7/11/83

EAPD: H-NW-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Storm water discharge near NW corner of 200-H Area.

COORDINATES AND SIZE: N73265.9, E61332

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Storm water outfall (H-1) to an unnamed tributary of Upper Three Runs Creek which empties into the Savannah River. This storm sewer receives external runoff from Buildings 217-H, 234-H, 237-H, 238-H, 252-8H, 252-11H, 252-13H, 296-H and 298-H. No process or internal building sewers connect to this storm water system. No pollutants are intentionally discharged to this storm water system.

NATURE OF CONCERN: Responsible concern for any outfall to a plant stream from an operating facility. The outfall is normally dry and is not routinely sampled. Accidental spillage could result in release of oil and grease to this outfall.

REGULATIONS: Listed in NPDES permit application but not regulated by NPDES.

PROGRAM: Continue to follow approved SRP procedures and NPDES permit.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Storm and cooling water discharge at north side of 200-H Area.

COORDINATES AND SIZE: N73318, E61620.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Non-process cooling water outfall (H-2) to an unnamed tributary of upper Three Runs Creek which empties into the Savannah River. This outfall receives external runoff from Buildings 217-H, 252-8H, 252-11H, 252-13H, 296-H, 298-H and 701-3H. This outfall receives from internal sewers and external runoff from Buildings 234-H, 237-H and 238-H. No pollutants are intentionally discarded to the outfall.

NATURE OF CONCERN: Responsible concern for any outfall to a plant stream from an operating facility. The outfall is not sampled routinely. Accidental spillage could result in release of Ce, Fe, Hg, Mg, oil and grease, or Zn to this outfall.

REGULATIONS: NPDES Permit. Reference No. H-1.

PROGRAM: Continue to follow approved SRP procedures and NPDES permit.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Storm and cooling water discharge NW of 200-H Area by Road 4.

COORDINATES AND SIZE: N74505, E61565

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Non-process cooling water outfall (H-3) to an unnamed tributary of Upper Three Runs Creek which empties into the Savannah River. This outfall receives external runoff from Buildings 232-1H, 251-H, 252-9H and 295-H. This outfall receives from internal sewers and external runoff from Building 232-H. No pollutants are intentionally discharged to this outfall.

NATURE OF CONCERN: Responsible concern for any outfall to a plant stream from an operating facility. The outfall is not sampled routinely. Accidental spillage through error or equipment failure could result in release of Ce, Fe, Hg, Mg, oil and grease, or Zn to this outfall.

REGULATIONS: NPDES Permit. Reference No. H-1.

PROGRAM: Continue to follow approved SRP procedures and NPDES permit.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

AREA: 200-H

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Cooling water discharge near the NE corner of 200-H Area.

COORDINATES AND SIZE: N73770, E63710.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Non-process cooling water outfall (H-4) to an unnamed tributary of Upper Three Runs Creek which empties into the Savannah River. This outfall receives external runoff from Buildings 211-H, 260-2H, 614-H, 704-7H and 901-H. This outfall receives from internal sewers and external runoff from Building 221-H. No pollutants are intentionally discharged to this outfall.

NATURE OF CONCERN: Responsible concern for any outfall to a plant stream from an operating facility. The outfall is not sampled continuously.

Accidental spillage could result in release of Al, B, Ce, Cr, Fe, Hg, Mg, Mn, NO₃, oil and grease, PO₄ and SO₄ to this outfall.

REGULATIONS: NPDES permit. Reference No. H-1.

PROGRAM: Continue to follow approved SRP procedures and NPDES permit. Project 83-5R-021 is now being estimated to provide diked impermeable basins beneath storage tanks and unloading stations to contain chemical spills. This project when completed will reduce the possibility of a release to this stream.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Storm water discharge to east side of 200-H Area.

COORDINATES AND SIZE: N72150, E64640

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Storm water outfall (H-6) to an unnamed tributary of Upper Three Runs Creek which empties into the Savannah River. This storm sewer receives external runoff from Buildings 056-1H, 211-H, 221-1H, 291-H, 292-H, 294-H, 294-1H and 299-H. The storm sewer receives from internal sewers from Buildings 292-H and 299-H. No pollutants are intentionally discharged to this storm water outfall.

NATURE OF CONCERN: Responsible concern for any outfall to a plant stream from an operating facility. The outfall is not routinely sampled.

REGULATIONS: NPDES permit. Reference No. H-1.

PROGRAM: Continue to follow approved SRP procedures and NPDES permit.

PRIORITY: No action required.

Revision Date: 7/11/83

EAPD: H-NW-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Storm water discharge to SE corner of 200-H Area.

COORDINATES AND SIZE: N70825, E64593

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Storm water outfall (H-7) to an unnamed tributary of Upper Three Runs Creek which empties into the Savannah River. The storm sewer receives external runoff from Buildings 080-7, 080-8, 080-9, 221-H, 221-7H, 252-3H, 252-5H, 254-5H, 260-1H, 289-H, 291-H, 904-5H, 903-48H, 905-61G, 905-62G and coal pile runoff basin 289-H. No pollutants are intentionally discharged to this storm water outfall. The coal pile runoff 289-H that discharges to this outfall is covered as a separate EAPD sheet by the Power Department.

NATURE OF CONCERN: Responsible concern for any outfall to a plant stream from an operating facility. The outfall is not sampled routinely.

REGULATIONS: Listed in NPDES permit application but not regulated by NPDES permit. Reference No. H-1.

PROGRAM: Continue to follow approved SRP procedures.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Process sewer and storm water discharge near road E and 4 intersection.

COORDINATES AND SIZE: N72050, E49848

INVENTORY OF CONTAMINANTS: Trace amounts of alpha, beta, gamma and tritium radionuclide is contained in the unnamed tributary by outfall H-12.

CURRENT USE: The outfall (H-12) empties into the unnamed tributary of Four Mile Creek which empties into the Savannah River. This outfall receives external runoff from Buildings 244-1H, 245-H, 252-10H, 607-11H, 704-1H, 704-2H, 704-3H, 704-8H, 706-H, 706-1H, 706-2H, 905-35H and 905-66H. This outfall receives from internal sewers and external runoff from Buildings 244-H, 280-1H, 282-H, 706-H and 281-5H. No hazardous pollutants are intentionally discarded to this outfall.

NATURE OF CONCERN: Responsible concern for any outfall to a plant stream from an operating facility. Accidental spillage through error or from equipment failure could result in release of alcohol, Cl, Cr, Fe, Hg, Mg, Na, NO₃, oil and grease, oxalate, PO₄, SO₄, surfactants, trichlorofluorethane, Zn and several radionuclide. The water is sampled and monitored from all facilities that may contribute radionuclide to this outfall. The quantity of each radionuclide entering a plant stream is controlled by procedures and Separations Area Release Guides (Reference No. H-4).

REGULATIONS: NPDES permit. Reference No. H-1.

PROGRAM: Continue to follow approved SRP procedures and NPDES permit.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Exhaust stack on roof of 244-H Building.

COORDINATES AND SIZE: N72200, E61600.

INVENTORY OF CONTAMINANTS: Trace amounts of beta, gamma and Tritium contamination.

CURRENT USE: Building and process air is discharged through the 244-H building exhaust stack. The air is filtered by HEPA filters before entering the stack. The primary concern of all releases from this stack is with the radionuclide tritium. Tritium releases from this stack is about 1000 mci/yr. This compares with the 200-F & H tritium atmospheric release guide of 275 kci/yr.

NATURE OF CONCERN: Responsible concern for any release to the atmosphere through a plant stack. HEPA filters provide adequate control except from the tritium radionuclide. Procedures and inline monitors provide present acceptable control for all releases to this stack.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Continue to follow approved SRP procedures and practices which allow small amounts of radioactivity to be released annually.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Building 291-H is the exhaust stack for the 221-H Canyon, 211-H B-Line, 211-H, and 221-1H facilities. This stack is located at the south end of the 292-H building.

COORDINATES AND SIZE: N71900, E63375

INVENTORY OF CONTAMINANTS: Trace amounts of alpha, beta, and gamma contamination.

CURRENT USE: The facilities being serviced by this stack discharge their air through sand filter and HEPA filters. Present radioactive monitoring system is adequate. No monitoring system is provided for mercury and nitrogen oxides.

NATURE OF CONCERN: Normal concern for any releases to the atmosphere. Radioactive releases are monitored. Non-radioactive releases are not monitored. Trace amounts of mercury may be released through this stack. Controlled amounts of nitrogen oxides are released through this stack.

REGULATIONS: Clean Air Act (Reference H-2), DOE Order 5480.1A, chapter XI

PROGRAM: Continue to follow approved SRP procedures and practices which allow small amounts of radioactivity and non-radioactive pollutants to be released annually.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: A spill of radioactive solution centered about 300 ft northeast of the intersection of roads E and 4.

COORDINATES AND SIZE: N72400, 59900; N72400, E80100; N72200, E5990; N72200, E60100. Shown on Drawing SM5-6-145 as Key 159.

INVENTORY OF CONTAMINANTS: Approximately 5 curies (1956 data) of beta-gamma contamination is contained under two feet of soil within an area of 100 ft². This area was contaminated with radioactive releases from Building 221-H segregated cooling water in 1956. The top layer of soil has been fixed with asphalt (Reference No. H-6).

CURRENT USE: Not in use.

NATURE OF CONCERN: Potential movement of contamination to a plant stream. The plant stream feeding NPDES outfall H-12 runs along the east side of this fixed contaminated site. (NPDES permit is in error - 221-H segregated cooling water flows by this contaminated site to outfall H-12 and not to outfall H-8).

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Present monitoring of SRP streams is adequate and satisfactory.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Inactive spill area about 600 ft east of the 294-1H sand filter outside the security fence.

COORDINATES AND SIZE: N72224, E64672; N72182, E64730; N71895, E64892; N71865, E64740. Identified on Drawing 5M5-2-116 as Key 52.

INVENTORY OF CONTAMINANTS: None. Reference No. H-3.

CURRENT USE: Inactive. It is now a normal clean area without any restrictions. In April 1958 uranium solution and contaminated solvent leaked from a tank car loading apron in Building 221-H to a stream bed outside of 200-H Area. A 150 foot section of contaminated stream bed was backfilled with soil and a new stream bed was excavated to bypass the contaminated area. It was left in this manner for several years. The entire contaminated area was cleaned up by moving the contaminated soil to the burial ground (Building 643-G) in 1982. It is no longer marked as a contaminated area.

NATURE OF CONCERN: None.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: The contamination removal has been completed.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Inactive spill area in abandoned stream bed at the northeast corner of H Area.

COORDINATES AND SIZE: N74075, E6870; N74075, E68900; N73200, E68600; N73200, E68750. Identified on Drawing SM-5-112 as Key 53.

INVENTORY OF CONTAMINANTS: None. Reference No. H-3.

CURRENT USE: Inactive. It is now a normal clean area without any restrictions. In November 1958 a recycle sump in Building 211-H overflowed carrying contaminated water and solvent through outfall H-59 to a stream bed. A dam was constructed to retain the contaminated water. The retention pond and stream bed were backfilled with soil and left for several years. A new stream bed was constructed to bypass the contaminated area. In 1982, the contaminated area was cleaned up by moving the contaminated soil to the burial ground (Building 643-G). It is no longer marked as a contaminated area.

NATURE OF CONCERN: None.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Complete. Contamination has been removed.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Inactive spill area about 150 ft east of the Building 291-H stack.

COORDINATES AND SIZE: N71800, E63800. Identified on Drawing SM-5-116 as Key 51.

INVENTORY OF CONTAMINANTS: Less than one curie of beta-gamma contamination.

CURRENT USE: Inactive. In 1956 beta-gamma contamination was released from the 291-H stack. The ground was turned under and the area returned to normal use.

NATURE OF CONCERN: None.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Complete.

PRIORITY: No action required..

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Inactive spill area about 900 ft north of the Building 291-H stack.

COORDINATES AND SIZE: N73000, E63500. Identified on Drawing SM5-5-116 as Key 57.

INVENTORY OF CONTAMINANTS: Less than one curie of beta-gamma contamination.

CURRENT USE: Inactive. In 1969 and again in 1970 beta-gamma contamination (primarily Cs-137) was released from the 291-H stack to an area around the stack. The ground was turned under and the area returned to normal use.

NATURE OF CONCERN: None.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Complete.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-MA-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Building 291-F is a 200 ft high stack which discharges the process and nonprocess ventilation air exhausted from Buildings 221-F and 235-F to the atmosphere.

COORDINATES AND SIZE: N78025, E54000

INVENTORY OF CONTAMINANTS: Up to 180 lb per hour of nitrogen oxides along with small amounts of gaseous and particulate radionuclides are discharged from the stack into the atmosphere.

CURRENT USE: Stack for Buildings 221-F and 235-F.

NATURE OF CONCERN: The possible release of a large amount of radioactive contaminants.

REGULATIONS: CAA and DOE order 5480-A

PROGRAM: Continue to stay within regulatory requirements.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-MB-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Building 904-49G is an old seepage basin northeast of the F Area perimeter fence. The basin received acidic evaporator overheads which contained trace amounts of fission products, and other solutions which contained natural uranium.

COORDINATES AND SIZE: The basin is 195 ft by 300 ft with the coordinates N75485, E50663 at the easternmost corner. (ref. F-1).

INVENTORY OF CONTAMINANTS: The basin contains about one curie of alpha, beta, and gamma radiation emitters, and an unknown amount of natural uranium and nitrates.

CURRENT USE: None - retired in 1955.

NATURE OF CONCERN: Possible contamination of ground water.

REGULATIONS: CERCLA

PROGRAM: Initiate groundwater monitoring consistent with available funding.

PRIORITY: Low

Revision Date: 7/11/83
EAPD: F-NP-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Building 231-3F is a burning site for scrap lumber at the end of a dirt road north of the F Area entrance road (ref. F-1 and F-2).

COORDINATES AND SIZE: The site is 200 ft by 400 ft with the coordinates N79400, E50700 near the center (ref. F-1).

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Burning site for scrap lumber, crates, pallets, poles, etc (ref. F-2)

NATURE OF CONCERN: Pollution of the air with smoke.

REGULATIONS: CAA

PROGRAM: Use of the site for burning scrap lumber will be continued.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-NP-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Building 231-4F is a rubble pit located west of road C and south of the Burma Road (ref. F-1 and F-2).

COORDINATES AND SIZE: The site is 160 ft by 500 ft with the following coordinates:

N77367	E50573
N77467	E50520 (ref. F-1)
N77163	E50083
N77312	E50036

INVENTORY OF CONTAMINANTS: Site may contain asbestos, batteries, paints - amount unknown (ref. F-2).

CURRENT USE: Rubble pit for metal, concrete, lumber, poles, fluorescent light fixtures, glass, etc.

NATURE OF CONCERN: There is some potential for contamination of ground water.

REGULATIONS: RCRA

PROGRAM: Use of the site as a rubble pit will be continued.

PRIORITY: Low

Revision Date: 7/11/83
EAPD: F-NW-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Outfall NPDES number F-1 is a nonprocess cooling water and storm water drain outfall to an unnamed tributary of Upper Three Runs Creek. The outfall is located west of Building 709-F.

COORDINATES AND SIZE: N78400, E52610 (ref. F-3)

INVENTORY OF CONTAMINANTS: Accidental spills may release small amounts of the following contaminants to the outfall - Cl, Cu, F, Fe, Mg, Mn, NO₃, PO₄, SO₃, SO₄, Zn, cyanide, oil and grease, surfactants.

CURRENT USE: Outfall for nonprocess cooling water and storm drain water.

NATURE OF CONCERN: There is some potential for contamination of onsite and offsite drinking water supplies resulting from accidental release of contaminants.

REGULATIONS: NPDES permit

PROGRAM: None

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-NW-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Outfall NPDES number F-2 is a storm water drain outfall which discharges into an unnamed tributary of Upper Three Runs Creek. The outfall is located north of the F-Area perimeter fence.

COORDINATES AND SIZE: N80478, E53905 (ref. F-3)

INVENTORY OF CONTAMINANTS: Accidental spills may release small amounts of the following contaminants to the outfall - Al, Cu, F, Fe, Mg, Mn, NO₃, PO₄, SO₃, SO₄, Zn, oil and grease, surfactants. The storm sewer was contaminated with natural uranium in August of 1960 - refer to EAPD number F-RS-3.

NATURE OF CONCERN: There is some potential for contamination of onsite and offsite drinking water supplies resulting from accidental release of contaminants.

REGULATIONS: NPDES permit

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Outfall NPDES number F-3 is a nonprocess cooling water and storm water drain outfall which discharges to an unnamed tributary of Upper Three Runs Creek. The outfall is located north of the F Area perimeter fence.

COORDINATES AND SIZE: N79770, E54700 (ref. F-3)

INVENTORY OF CONTAMINANTS: Small amounts of the following contaminants are discharged to the outfall - Cl, NO₃, Org. N, Org. P, PO₄. Accidental spills may release small amounts of the following contaminants - NH₄, oil and grease, surfactants.

CURRENT USE: Outfall for cooling water and storm drain water.

NATURE OF CONCERN: There is some potential for contamination of onsite and offsite drinking water supplies resulting from release of contaminants.

REGULATIONS: NPDES permit

PROGRAM: None

PRIORITY: No action required.

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Revision Date: 7/11/83
EAPD: F-NW-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Outfall NPDES number F-4 is a storm water outfall which discharges to an unnamed tributary of Upper Three Runs Creek. It is outside the F Area perimeter fence at the northeast corner.

COORDINATES AND SIZE: N79600, E54700

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Outfall for storm drain water.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, not regulated by NPDES permit.

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Outfall NPDES number F-5 is a nonprocess cooling water and storm water drain outfall to an unnamed tributary of Upper Three Runs Creek. the outfall is located east of the F Area perimeter fence.

COORDINATES AND SIZE: N78977, E55462 (ref. F-3)

INVENTORY OF CONTAMINANTS: Accidental spills may release small amounts of the following contaminants to the outfall - Cl, Fe, Mg, NO₃, PO₄, SO₃, Zr, oil and grease, org. N, surfactants.

CURRENT USE: Outfall for nonprocess cooling water and storm drain water.

NATURE OF CONCERN: There is some potential for contamination of onsite and offsite drinking water supplies resulting from accidental release of contaminants.

REGULATIONS: NPDES permit

PROGRAM: None

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-RA-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: The stack at Building 772-F is 75 ft high and is used to discharge ventilation air from the laboratory to the atmosphere.

COORDINATES AND SIZE: N79050, E53475

INVENTORY OF CONTAMINANTS: Less than 0.1 millicuries of alpha radionuclides are discharged to the atmosphere annually.

CURRENT USE: Stack for Building 772-F.

NATURE OF CONCERN: Possible release of a large amount of radioactive contaminants.

REGULATIONS: DOE order 5480A

PROGRAM: Continue to stay within regulatory requirements.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-RA-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Unused stack at Building 232-F, formerly used for exhausting process and nonprocess ventilation air to the atmosphere.

COORDINATES AND SIZE: N78600, E54300

INVENTORY OF CONTAMINANTS: Some minor low level radioactivity remains within stack.

CURRENT USE: None

NATURE OF CONCERN: Contamination of personnel working on or within stack.

REGULATIONS: None

PROGRAM: None

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-RS-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In June 1957, an area adjacent to the F Area regulated equipment slab was contaminated with ammonium nitrate particles which were ejected from the 291-F stack. The particles contained radioactive fission products. Most of the particles were picked up and then the ground was turned under (ref. F-4).

COORDINATES AND SIZE: Coordinates near the center of the 10,000 square foot area are N76800, E54000. Refer to map SM5-2-115, area 8, for exact size and location.

INVENTORY OF CONTAMINANTS: The soil is contaminated with less than one curie of fission products.

CURRENT USE: None

NATURE OF CONCERN: Possible contamination of ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-RS-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In July, August, and November of 1957, an area south of the 291-F stack was contaminated with ammonium nitrate particles which were ejected from the 291-F stack. The particles contained radioactive fission products. Following the releases, the ground was plowed under (ref. F-4).

COORDINATES AND SIZE: Coordinates near the center of the 100,000 square foot area are N77800, E54000. Refer to map SM5-2-115, area 9, for exact size and location.

INVENTORY OF CONTAMINATION: The soil is contaminated with less than one curie of fission products.

CURRENT USE: A railroad track passes through this area.

NATURE OF CONCERN: Possible contamination of ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In November 1954, the ground area around the storm sewer leading to NPDES outfall number F-2 at the north end of F Area was contaminated with natural uranium and fission products when a hydrate evaporator in 221-F A-Line overflowed to the storm sewer. A dam was constructed across the storm sewer and the contaminated water pumped to nearby seepage basin 904-49G (ref. F-4).

COORDINATES AND SIZE: Coordinates near the center of the 500 square foot contaminated area are N80050, E54000. Refer to map SM5-2-113, area 19, for exact size and location.

INVENTORY OF CONTAMINANTS: The ground at the location where the storm sewer was dammed is contaminated with less than one curie of fission products and natural uranium.

CURRENT USE: The storm sewer to NPDES outfall number F-2 passes through this area.

NATURE OF CONCERN: Possible contamination of surface or ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-RS-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: The ground area under the hydrate evaporators in 221-F A-Line was contaminated with uranyl nitrate. Most of the contamination was removed and the ground was covered with clean crushed rock (ref. F-4).

COORDINATES AND SIZE: Coordinates near the center of the 1,000 square foot contaminated area are N78250, E53800. Refer to map SM5-2-115, area 1, for exact size and location.

INVENTORY OF CONTAMINANTS: The contaminated ground has less than one curie of natural uranium.

CURRENT USE: Access to hydrate evaporators.

NATURE OF CONCERN: Possible contamination of ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In December 1954, sludge from sewage treatment Building 607-1F that had been contaminated with plutonium was buried in a trench outside the F Area south fence (ref. F-4).

COORDINATES AND SIZE: The coordinates near the center of the 2000 square foot contaminated area are N76400, E53450. Refer to map SM5-2-115, area 3, for exact size and location.

INVENTORY OF CONTAMINANTS: The contaminated trench has less than 20 micro curies of plutonium contamination.

CURRENT USE: None

NATURE OF CONCERN: There is some potential for contamination of the ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In January 1955, the recycle sump in 211-F overflowed and contaminated the graveled area around the sump. The contaminated earth and gravel were removed to the burial ground and the area covered with clean gravel (ref. F-4).

COORDINATES AND SIZE: The coordinates near the center of the 500 square foot contaminated area are N78850, E53850. Refer to map SM5-2-113, area 4, for exact size and location.

INVENTORY OF CONTAMINANTS: The contaminated ground has less than one curie of residual fission products.

CURRENT USE: Access to recycle sump

NATURE OF CONCERN: There is some potential for contamination of the ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-RS-7

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In June 1959 and again in February 1963 the segregated solvent sump in 211-F overflowed spreading contamination around the sump. In both cases, most of the contaminated soil was removed and replaced with clean gravel where needed (ref. F-4).

COORDINATES AND SIZE: The first overflow contaminated 600 square feet and the second 1200 square feet. The coordinates of the sump are N79100, E53750. Refer to map SM5-2-113, areas 13 and 18, for exact size and location of contaminated areas.

INVENTORY OF CONTAMINANTS: The contaminated ground has less than one curie of residual fission products.

CURRENT USE: Access to segregated solvent area.

NATURE OF CONCERN: There is some potential for contamination of the ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In June 1968 and again in May 1969, the sewer line to the seepage basin overflowed in the 211-F area at manholes P-19 and P-20. The contaminated area was covered with dirt. (ref. F-4).

COORDINATES AND SIZE: The coordinates near the center of the 200 square foot contaminated area are N78850, E53900. Refer to maps SM 5-2-113 and SM 5-2-115, area 21, for exact size and location.

INVENTORY OF CONTAMINANTS: The contaminated ground has less than one curie of residual fission products.

CURRENT USE: Grounds within the 211-F area.

NATURE OF CONCERN: There is some potential for contamination of the ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: Contamination was released from the Building 772-F stack to the surrounding grounds on three occasions, in April 1956, February 1968, and May 1968. Most of the contamination was removed (ref. F-4).

COORDINATES AND SIZE: The coordinates near the center of the 500,000 square foot contaminated area are N79000, E53400. Refer to map SM5-2-113, area 16, for exact size and location.

INVENTORY OF CONTAMINANTS: The contaminated ground has less than one curie of residual fission products.

CURRENT USE: Grounds around Building 772-F.

NATURE OF CONCERN: There is some potential for contamination of the ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In April 1961, the drainage ditch east of 221-F A-Line was contaminated by liquid from a leaking Nash exhauster. The contamination was fixed with asphalt spray (ref. F-4).

COORDINATES AND SIZE: The coordinates near the center of the 500 square foot contaminated area are N78200, E53900. Refer to map SM5-2-115, area 14, for exact size and location.

INVENTORY OF CONTAMINANTS: The contaminated drainage ditch has less than one curie of residual fission products.

CURRENT USE: Drainage ditch

NATURE OF CONCERN: Possible contamination of surface and ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In November 1957, the ground around Building 292-1F was contaminated during maintenance work on the vessel vent fans. The contaminated ground was plowed under (ref. F-4).

COORDINATES AND SIZE: The coordinates near the center of the 800 square foot contaminated area are N78350, E53950. Refer to map SM5-2-115, area 10, for exact size and location.

INVENTORY OF CONTAMINANTS: The contaminated ground has less than one curie of residual fission products.

CURRENT USE: Access to Building 292-1F.

NATURE OF CONCERN: There is potential for contamination of the ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-RS-12

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In April 1956, the ground between 221-F railroad cut and A-Line was contaminated with wind blown particles from a 9.2E piping jumper. Most of the particles were removed and then the ground was plowed under (ref. F-4).

COORDINATES AND SIZE: The coordinates near the center of the 1000 square foot contaminated area are N78000, E53750. Refer to map SM5-2-115, area 5, for exact size and location.

INVENTORY OF CONTAMINANTS: The contaminated ground has less than one curie of residual fission products.

CURRENT USE: Open area between the railroad cut and A-Line.

NATURE OF CONCERN: There is potential for contamination of the ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: F-RS-13

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In May 1957, the solvent trailer overflowed at the north end of Building 221-F and contaminated the ground around the trailer. The contamination was plowed under (ref. F-4).

COORDINATES AND SIZE: The coordinates near the center of the 100 square foot contaminated area are N79050, E53700. Refer to map SM5-2-113, area 7, for exact size and location.

INVENTORY OF CONTAMINANTS: The contaminated ground has less than one curie of residual fission products.

CURRENT USE: Roadway

NATURE OF CONCERN: There is potential for contamination of the ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Separations Department

SITE DESCRIPTION AND LOCATION: In November 1978, radioactive ruthenium was released from the 6.1D dissolver off-gas stack. The contamination settled to the ground in a fan shaped pattern from the point of origin into the northwest portion of F-Area and downwind for a distance of about one mile outside the area fence. The roadways were hosed down and the contaminated soil within the F-Area fence was plowed under (ref F-5).

COORDINATES AND SIZE: About 9×10^7 square feet were contaminated. The coordinates of the point of origin, the 291-F stack, are N78025, E54000. Refer to map in reference F-5 for exact size and location.

INVENTORY OF CONTAMINANTS: About 32 curies of ruthenium were released, but less than 2 curies remain due to the 368 day half-life of Ru-106.

CURRENT USE: Grounds within and outside F-Area.

NATURE OF CONCERN: There is potential for contamination of the ground water.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Allow ruthenium to decay in place.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An uncovered but closed L-Area oil and chemical basin located outside the L-Area perimeter fence and southeast of Building 105-L had received a mixed radioactive oil and chemical waste.

COORDINATES AND SIZE: The basin, Building 904-83G, extends 120 ft by 80 ft from the northwest corner at N45290.6, E51000.0.

INVENTORY OF CONTAMINANTS: The decontaminating solutions and oil wastes from Building 717-G probably included degreaser and solvent solutions. The basin was active from 1961 through 1977.

CURRENT USE: Closed but not backfilled.

NATURE OF CONCERN: The water table at one point is only 20 ft below the basin floor. There is a possibility that the shallow sediments can be contaminated with the liquid wastes dumped in the basin. Groundwater monitoring results indicate that drinking water standards have been exceeded.

REGULATIONS: CERCLA, DOE Order 5480.1A, chapter XI.

PROGRAM: Continue groundwater monitoring for the annual parameters as required by RCRA.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed rubble pit originally a burning pit, located outside the P-Area perimeter fence (between effluent canal and Road C-7) received oils and solvents for burning and miscellaneous rubble.

COORDINATES AND SIZE: The closed and backfilled burning/rubble pit, Building 131-P, extending 219 ft south and 319 ft east of N45512, E63440.

INVENTORY OF CONTAMINANTS: The pit was used from plant startup to 1973 to burn ignitable trash and oils and solvents. The pit was subsequently used for miscellaneous scrap such as paper, wood, concrete, cans, barrels, etc.

CURRENT USE: Inactive

NATURE OF CONCERN: The disintegration of paint cans, batteries, drums, etc., would release relatively small amounts of hazardous materials to the groundwater. Oils and solvents may have soaked into the bottom of the pit without burning. The quality of the groundwater around the pit is not known.

REGULATIONS: There is a potential that the contents of the pit have contaminated the groundwater beyond RCRA regulation parameters.

PROGRAM: Leave solid waste materials in place for the interim. Install monitoring wells in the vicinity and initiate groundwater monitoring for RCRA parameters for subsequent evaluation.

PRIORITY: Medium

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed and backfilled Road A chemical basin, located outside the K-Area perimeter fence (north of Baxley Road and west of the west end of Road 6) had received a mixed radioactive and chemical liquid waste.

COORDINATES AND SIZE: The basin, Building 904-111G, extending 159 ft south and 158 ft east of N55880.86, E29253.30.

INVENTORY OF CONTAMINANTS: Acid and miscellaneous chemical aqueous wastes, including radioactive, were dumped in the basin prior to 1973.

CURRENT USE: Closed and backfilled.

NATURE OF CONCERN: There is a possibility that the shallow sediments and groundwater could be contaminated with the chemicals that were dumped. Groundwater monitoring is not available at the basin.

REGULATIONS: CERCLA, DOE Order 5480.1A, chapter XI.

PROGRAM: Install wells around the basin and initiate groundwater monitoring for the parameters required by RCRA.

PRIORITY: Medium

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed rubble pit, originally a burning pit, located outside the K-Area perimeter fence (between Road 6-4.21 and Road 6-4.2) received oils and solvents for burning and miscellaneous rubble.

COORDINATES AND SIZE: The closed and backfilled burning/rubble pit, Building 131-K, extending 34 ft west and 232 ft south of N54503.9, E42550.7.

INVENTORY OF CONTAMINANTS: The pit was used from plant startup to 1973 to burn ignitable trash and oils and solvents. The pit was subsequently used for miscellaneous scrap such as paper, wood, concrete, cans, barrels, etc.

CURRENT USE: Inactive

NATURE OF CONCERN: The disintegration of paint cans, batteries, drums, etc., would release relatively small amounts of hazardous materials to the groundwater. Oils and solvents may have soaked into the bottom of the pit without burning. The quality of the groundwater around the pit is not known.

REGULATIONS: There is a potential that the contents of the pit have contaminated the groundwater beyond RCRA regulation parameters.

PROGRAM: Leave solid waste materials in place for the interim. Install monitoring wells in the vicinity and initiate groundwater monitoring for RCRA parameters for subsequent evaluation.

PRIORITY: Medium

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed rubble pit, originally a burning pit, located outside the C-Area perimeter fence, near the containment basin berm received oils and solvents for burning and miscellaneous rubble.

COORDINATES AND SIZE: The closed and backfilled burning/rubble pit, Building 131-C, extending 175 ft north and 390 ft west of N68612.0, E44335.0.

INVENTORY OF CONTAMINANTS: The pit was used from plant startup to 1973 to burn ignitable trash and oils and solvents. The pit was subsequently used for miscellaneous scrap such as paper, wood, concrete, cans, barrels, etc.

CURRENT USE: Inactive

NATURE OF CONCERN: The disintegration of paint cans, batteries, drums, etc., would release relatively small amounts of hazardous materials to the groundwater. Oils and solvents may have soaked into the bottom of the pit without burning. The quality of the groundwater around the pit is not known.

REGULATIONS: There is a potential that the contents of the pit have contaminated the groundwater beyond RCRA regulation parameters.

PROGRAM: Leave solid waste materials in place for the interim. Install monitoring wells in the vicinity and initiate groundwater monitoring for RCRA parameters for subsequent evaluation.

PRIORITY: Medium

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed rubble pit, originally a burning pit, located outside the L-Area perimeter fence and east of Road 7-1 received oils and solvents for burning and miscellaneous rubble.

COORDINATES AND SIZE: The closed and backfilled burning/rubble pit, Building 131-L, extending 29 ft west and 230 ft south of N48492.1, E49050.5.

INVENTORY OF CONTAMINANTS: The pit was used from plant startup to 1973 to burn ignitable trash and oils and solvents. The pit was subsequently used for miscellaneous scrap such as paper, wood, concrete, cans, barrels, etc.

CURRENT USE: Inactive

NATURE OF CONCERN: The disintegration of paint cans, batteries, drums, etc., would release relatively small amounts of hazardous materials to the groundwater. Oils and solvents may have soaked into the bottom of the pit without burning. The quality of the groundwater around the pit is not known.

REGULATIONS: There is a potential that the contents of the pit have contaminated the groundwater beyond RCRA regulation parameters.

PROGRAM: Leave solid waste materials in place for the interim. Install monitoring wells in the vicinity and initiate groundwater monitoring for RCRA parameters for subsequent evaluation.

PRIORITY: Medium

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed rubble pit, originally a burning pit, located outside the L-Area perimeter fence adjacent to the RBOF cask storage pad received miscellaneous rubble.

COORDINATES AND SIZE: The closed and covered rubble pit, Building 131-1L, 50 ft by 220 ft with an estimated center at N46350, E52630.

INVENTORY OF CONTAMINANTS: The rubble was originally at ground level and was started in 1973 and was covered and inactivated in 1982. The rubble has included concrete, brick, tile, asphalt, tires, rubber, scrap metal, fence posts, hard plastics, wallboard, transite, asbestos, glass, batteries, paint cans, drums, etc.

CURRENT USE: Inactive

NATURE OF CONCERN: The disintegration of paint cans, batteries, drums, etc., would release relatively small amounts of hazardous materials to the groundwater. Oils and solvents may have soaked into the bottom of the pit without burning. The quality of the groundwater around the pit is not known.

REGULATIONS: There is a potential that the contents of the pit have contaminated the groundwater beyond RCRA regulation parameters.

PROGRAM: Leave solid waste materials in place for the interim. Install monitoring wells in the vicinity and initiate groundwater monitoring for RCRA parameters for subsequent evaluation.

PRIORITY: Medium

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed rubble pit, originally a burning pit, located outside the R-Area perimeter fence (south of Road G and southeast of Road F-8)) received oils and solvents for burning and miscellaneous rubble.

COORDINATES AND SIZE: The closed and backfilled burning/rubble pit, Building 131-R, extending 21 ft west and 238 ft south of N54577.1, E75718.9.

INVENTORY OF CONTAMINANTS: The pit may have been used as a burning pit from plant startup to 1973 to burn ignitable trash and oils and solvents. The pit was subsequently used for miscellaneous scrap such as paper, wood, concrete, cans, barrels, etc.

CURRENT USE: Inactive

NATURE OF CONCERN: The disintegration of paint cans, batteries, drums, etc., would release relatively small amounts of hazardous materials to the groundwater. Oils and solvents may have soaked into the bottom of the pit without burning. The quality of the groundwater around the pit is not known.

REGULATIONS: There is a potential that the contents of the pit have contaminated the groundwater beyond RCRA regulation parameters.

PROGRAM: Leave solid waste materials in place for the interim. Install monitoring wells in the vicinity and initiate groundwater monitoring for RCRA parameters for subsequent evaluation.

PRIORITY: Medium

Revision Date: 7/11/83

EAPD: R-NP-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed rubble pit, may have been a burning pit, located outside the R-Area perimeter fence (south of Road G and southeast of Road F-8)) received oils and solvents for burning and miscellaneous rubble.

COORDINATES AND SIZE: An inactive and uncovered burning/rubble pit, Building 131-1R, extending 33 ft west and 236 ft south of N54534.2, E75685.3.

INVENTORY OF CONTAMINANTS: The pit may have been used as a burning pit from plant startup to 1973 to burn ignitable trash and oils and solvents. The pit was subsequently used for miscellaneous scrap such as paper, wood, concrete, cans, barrels, etc.

CURRENT USE: Inactive

NATURE OF CONCERN: The disintegration of paint cans, batteries, drums, etc., would release relatively small amounts of hazardous materials to the groundwater. Oils and solvents may have soaked into the bottom of the pit without burning. The quality of the groundwater around the pit is not known.

REGULATIONS: There is a potential that the contents of the pit have contaminated the groundwater beyond RCRA regulation parameters.

PROGRAM: Leave solid waste materials in place for the interim. Install monitoring wells in the vicinity and initiate groundwater monitoring for RCRA parameters for subsequent evaluation.

PRIORITY: Medium

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed and backfilled mixed waste rubble pit located outside the P-Area perimeter fence (north of Road F and opposite the parking lot) had received waste from the Bingham pump outage.

COORDINATES AND SIZE: The backfilled pit, Building 643-4G, extending 435 ft south and 90 ft east of N45388.93, E65282.32.

INVENTORY OF CONTAMINANTS: Concrete rubble and piping from regulated area work in Building 105 during the Bingham pump outage of 1956 and 1957. Process water piping (in moderator service) not buried in this pit.

CURRENT USE: Closed, permanently marked, and documented.

NATURE OF CONCERN: None

REGULATIONS: DOE Order 5480.1A, chapter XI. Leaching from the buried solid waste should not cause groundwater contamination to exceed RCRA parameter limits.

PROGRAM: None. Leave solid waste material in place.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-13, reactor cooling water and process water outfall, outside the P-Area perimeter fence, south of Road F and north of the 50 MM gallon containment basin, receives traces of radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N45050, E63510 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, caustic soda, Cl, K, Na, PO₄, SO₃, SO₄, Fe, molothion, methylene chloride, Mg, NO₃, oil and grease, organics, N, surfactants, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: Continue sampling the outfall daily.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-13, reactor cooling water and process water outfall, outside the P-Area perimeter fence, south of Road F and north of the 50 MM gallon containment basin, receives traces of radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N45050, E63510 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, Cl, gasoline, K, kerosine, Na, PO₄, SO₃, SO₄, Fe, malathion, methylene glycol, NO₃, oil and grease, organic, N, Pb, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: Continue sampling the outfall daily.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-19, reactor cooling water and process water outfall, outside the northwest corner of the P-Area perimeter fence, receives traces of radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N45485, E64770 is a point at the mouth of the outfall to Par Pond effluent canal.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, Cl, Fe, K, Mg, Mn, Na, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: Continue sampling the outfall daily.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-19, reactor cooling water and process water outfall, outside the northwest corner of the P-Area perimeter fence, receives traces of radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N45485, E64770 is a point at the mouth of the outfall to Par Pond effluent canal.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, Cl, Fe, K, Na, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit. DOe Order 5480.1A, chapter XI.

PROGRAM: Continue sampling the outfall daily.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An open rubble pile in an eroded area on north side of P-Area effluent canal to Steel Creek. The rubble pile is used for erosion control.

COORDINATES AND SIZE: The open rubble pile, Building 131-1P, is located in the eroded area (12 ft by 75 ft by 12 ft) with its center at N45135, E64060.

INVENTORY OF CONTAMINANTS: Waste concrete.

CURRENT USE: Erosion control materials will be received until the deep erosion area is filled.

NATURE OF CONCERN: Only concrete and other viable erosion control materials should be placed in the eroded area.

REGULATIONS: None

PROGRAM: Visual monitoring on a periodic basis to check erosion control.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-1, normally dry storm water outfall off the northeast corner of P-Area perimeter fence, receives nonradioactive contaminants.

COORDINATES AND SIZE: N44630, E66020 is a point at the mouth of the outfall to an unnamed tributary of Par Pond.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl from external runoff of Building 186-P.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-2, a normally dry alternate reactor cooling water internal sewer outfall outside the P-Area perimeter fence, crosses under Road F and is north of a Pelton valve discharge basin, received nonradioactive contaminants.

COORDINATES AND SIZE: N43760, E66810 is a point at the mouth of the outfall to an unnamed tributary of Par Pond.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma activity, Al, Cl, K, Na, oil and grease, PO₄, SO₃, SO₄ from internal sewers of Building 105-P, 107-P, and 107-1P.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit. DOE Order 5480.1A, chapter XI.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/28/83

EAPD: P-NW-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-4, outfall from Building 188-P ash desposal basin, at the northeast corner of the perimeter fence around Building 184-P, receives nonradioactive contaminants.

COORDINATES AND SIZE: N42977.5, E66321 is a point at the mouth of the outfall to an unnamed tributary of Meyers Branch.

INVENTORY AND CONTAMINANTS: Trace quantities of Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn from internal sewer from Building 188-P.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/28/83
EAPD: P-NW-7

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-7, a non-process cooling water and external runoff outfall outside the 100-P perimeter fence and northeast of the cool runoff basin, receives nonradioactive contaminants.

COORDINATES AND SIZE: N42340, E65275 is a point at the mouth of the outfall to an unnamed tributary of Meyers Branch.

INVENTORY AND CONTAMINANTS: Trace quantities of Al, Cl, K, Na, SO₃, SO₄, surfactants, Fe, Mg, oil and grease, PO₄, Zn from primarily Power facilities.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-8, a normally dry storm water outfall northeast of the coal pile runoff basin and east of P-7, receives nonradioactive contaminants.

COORDINATES AND SIZE: N42375, E65220 is a point at the mouth of the outfall to an unnamed tributary of Meyers Branch.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/28/83
EAPD: P-NW-8

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-8, a normally dry storm water outfall northeast of the coal pile runoff basin and east of P-7, receives nonradioactive contaminants.

COORDINATES AND SIZE: N42375, E65220 is a point at the mouth of the outfall. The outfall goes to an unnamed tributary of Meyers Branch, to Steel Creek which empties into the Savannah River.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-9, a normally dry storm water outfall southwest corner of P-Area perimeter fence receives nonradioactive contaminants.

COORDINATES AND SIZE: N42375, E64445.5 is a point at the mouth of the outfall to an unnamed tributary of Meyers Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of oil and grease.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: P-12, a normally dry storm water outfall northwest corner of P-Area perimeter fence receives nonradioactive contaminants.

COORDINATES AND SIZE: N44647.5, E64395 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of oil and grease, Pb from the parking lot.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A 248-ft stack at the 105 Building for exhausting radioactive gases to the atmosphere from the regulated and radiation areas of the building.

COORDINATES AND SIZE: The stack can exhaust air flows during nuclear shutdowns, exceeding 2×10^5 cfm.

INVENTORY OF CONTAMINANTS: The radioactive contaminants being exhausted from building are monitored with on-line instruments including a carbon filter. An inventory of contaminants including H-3, A4-41, Kr-85m, Kr-87, Kr-88, Kr-total, I-131, Xe-133, Xe-135, Xe-total, other beta-gamma, alpha-total, and C-14 is compiled annually.

CURRENT USE: Active

NATURE OF CONCERN: Minimal. Our objective is to minimize releases of radioactive isotopes where economically feasible. Production requirements have recently caused increases in H-3, I-131, and Ar-41 emissions.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Request funding for a detritiation facility for heavy water and for waste water.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin (disassembly) inside Building 105 receives fission and activation products during the discharge of irradiated assemblies from the reactor tank.

COORDINATES AND SIZE: The basin contains 2.88 X 10⁶ million gallons of contaminated water inside disassembly.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes include: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: During a 2-week period immediately following the discharging of irradiated assemblies to the disassembly basin, low levels of H-3 and I-131 activity are released from the basin to the environs.

REGULATIONS: DOE Order 5480.1A, chapter XI. The basin effluent is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: No action required.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active seepage basin system, consisting of three basins, located outside the P-Area perimeter fence and east of Building 105-P has received fission and activation products.

COORDINATES AND SIZE: Seepage basin 1, Building 904-61G, ell-shaped, extending 35 ft south and 400 ft southwest and southeast of N43551, E64020; seepage basin 2, Building 904-62G, rectangular in shape, extending 70 ft southeast and 209 ft southwest of N43564, E63792; seepage basin 3, Building 904-63G, rectangular in shape, extending 66 ft southeast and 333 ft southwest of N43561, E63407.

INVENTORY OF CONTAMINANTS: Decaying curie values of fission and activation products are calculated annually. Aqueous radioactive wastes include tritium, ^{51}Cr , ^{60}Co , ^{137}Cs , ^{134}Cs , and other beta-gamma fission products from Building 105-P sumps, tanks, and drums.

CURRENT USE: System was open from 1955 to 1968, 1970, and from 1978 to the present.

NATURE OF CONCERN: There is a possibility of contaminating the subsurface sediment beyond the basin extremities due to groundwater migration.

REGULATIONS: DOE Order 5480.1A, chapter XI. The influent to the basin is listed in the NPDES application, but is not regulated.

PROGRAM: Continue monitoring groundwater for radioactivity at the wells in the vicinity.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin (disassembly) inside Building 105 receives fission and activation products during the discharge of irradiated assemblies from the reactor tank.

COORDINATES AND SIZE: The basin contains 2.88 X 10⁶ million gallons of contaminated water inside disassembly.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes include: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Schedule the installation of monitoring wells around Building 105.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 exclusion fence receives activation products when the reactor shield systems deionized water is purged to Building 109.

COORDINATES AND SIZE: The basin, Building 109, will contain 4,990 gallons of purged water before it overflows to the process sewer.

INVENTORY OF CONTAMINANTS: The purged deionized water level is normally between 0 to 24 inches. The activation products include C0-58, Co-60, and others in minute concentrations.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the walls of the basin.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 disassembly area receives fission and activation products as the disassembly sandfilter is backwashed or the disassembly basin floor is cleaned.

COORDINATES AND SIZE: The basin (disassembly sandfilter settler tank) will hold approximately 20,000 gallons of contaminated water before it overflows back to the disassembly basin.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes include: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Schedule the installation of monitoring wells around Building 105.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed and backfilled mixed waste rubble pit located outside the K-Area perimeter fence (between Road B and the fence and east of Road 6-4.22) had received waste from the Bingham pump outage.

COORDINATES AND SIZE: The backfilled pit, Building 643-1G, extending 403 ft south and 60 ft east of N52371.89, E40335.69.

INVENTORY OF CONTAMINANTS: Concrete rubble and piping from regulated area work in Building 105 during the Bingham pump outage of 1956 and 1957. Process water piping (in moderator service) not buried in this pit.

CURRENT USE: Closed, permanently marked, and documented.

NATURE OF CONCERN: None

REGULATIONS: DOE Order 5480.1A, chapter XI. Leaching from the buried solid waste should not cause groundwater contamination to exceed RCRA parameter limits.

PROGRAM: None. Leave solid waste material in place.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-11, reactor cooling water and process sewer outfall, outside the K-Area perimeter fence north of Building 904-65G receives traces of radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N55800, E37750 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, caustic soda, Cl, Na, PO₄, SO₃, SO₄, B, CO₃, Fe, K, Mg, NO₃, oil and grease, Zn..

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: Continue sampling the outfall daily.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-11, reactor cooling water and process sewer outfall, outside the K-Area perimeter fence north of Building 904-65G receives traces of radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N55800, E37750 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, Cl, Na, PO₄, SO₃, SO₄, B, CO₃, Fe, K, NO₃, oil and grease, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: Continue sampling the outfall daily.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-12, process cooling water and process sewer overflow outfall outside the K-Area perimeter fence north of the effluent canal, receives radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N54635, E39865 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, Fe, Mg, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn primarily from Power facilities.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-12, process cooling water and process sewer overflow outfall outside the K-Area perimeter fence north of the effluent canal, receives radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N54635, E39865 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, Fe, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-14, external runoff from containment retention basin outside the K-Area perimeter fence, east of the southeast corner of Building 904-88G. If overflow occurs, fission and activated products would be received by the outfall.

COORDINATES AND SIZE: N54940, E39760 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cl, CO₃, Fe, K, Mg, Na, NO₃, oil and grease, PO₄, SO₃, SO₄, and Zn from storm runoff. If the containment basin overflows, which is unlikely, their fission and activated products would overflow.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-14, external runoff from containment retention basin outside the K-Area perimeter fence, east of the southeast corner of Building 904-88G. If overflow occurs, fission and activated products would be received by the outfall.

COORDINATES AND SIZE: N54940, E39760 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, Cl, CO₃, Fe, K, Na, NO₃, oil and grease, PO₄, SO₃, and SO₄, would if the containment basin overflows, which is unlikely.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit. DOE Order 5480.1A, chapter XI.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-1 non-process cooling water and external runoff outfall, northwest end of parking lot outside the K-Area perimeter fence receives trace nonradioactive contaminants.

COORDINATES AND SIZE: N55320, E41090 is at point at the mouth of the outfall to an unnamed tributary of Indian Grove Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, chloroform, Fe, methylene chloride, Mg, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-1 non-process cooling water and external runoff outfall, northwest end of parking lot outside the K-Area perimeter fence receives trace nonradioactive contaminants.

COORDINATES AND SIZE: N55320, E41090 is at point at the mouth of the outfall to an unnamed tributary of Indian Grove Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, chloroform, Fe, methylene glycol, oil and grease, Pb.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-2, storm water outfall outside the K-Area perimeter fence, northwest of the northwest corner of the fence, receives trace nonradioactive contaminants.

COORDINATES AND SIZE: N55050, E42150 is at point at the mouth of the outfall to an unnamed tributary of Indian Grove Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, oil and grease.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-2, storm water outfall outside the K-Area perimeter fence, northwest of the northwest corner of the fence, receives trace nonradioactive contaminants.

COORDINATES AND SIZE: N55050, E42150 is at point at the mouth of the outfall to an unnamed tributary of Indian Grove Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, gasoline, kerosene, methylene glycol, oil and grease.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: K-3, process sewer outfall from Building 904-80G outside the K-Area perimeter fence receives nonradioactive contaminants.

COORDINATES AND SIZE: N53186, E42840 is a point at the mouth of the outfall to an unnamed tributary of Pen Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of caustic soda, Cl, Na, PO₄, SO₃, Fe, Mg, Zn from Building 183-2K.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-4, storm water outfall outside the K-Area perimeter fence, northeast from the northeast corner of the fence, receives nonradioactive contaminants.

COORDINATES AND SIZE: N42332, E42250 is a point at the mouth of the outfall to an unnamed tributary of Pen Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, caustic soda, Cl, K, Na, PO₄, SO₃, SO₄ from Power facilities.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-6, non-process cooling water and external runoff outfall outside the K-Area perimeter fence, southeast of Building 188-K and south of Road 6, receives nonradioactive contaminants.

COORDINATES AND SIZE: N51950, E39600 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cl, Cu, Fe, Mg, Mn, Na, Ni, oil and grease, SO₄, surfactants, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-8, non-process cooling water and external runoff outfall outside the K-Area perimeter fence between Buildings 904-65G and 189-K receives nonradioactive contaminants.

COORDINATES AND SIZE: N53690, E39712 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, Fe, Mg, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn primarily from Power facilities.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/12/83

EAPD: K-NW-8

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-8, non-process cooling water and external runoff outfall outside the K-Area perimeter fence between Buildings 904-65G and 189-K receives nonradioactive contaminants.

COORDINATES AND SIZE: N53690, E39712 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, Fe, oil and grease, PO₄, SO₃, SO₄.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83

EAPD: K-NW-9

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-10, non-process cooling water and external runoff outfall outside the K-Area perimeter fence between the effluent canal and 904-65G receives nonradioactive contaminants.

COORDINATES AND SIZE: N54208, E39745 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, Fe, Mg, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn primarily from Power facilities.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-10, non-process cooling water and external runoff outfall outside the K-Area perimeter fence between the effluent canal and 904-65G receives nonradioactive contaminants.

COORDINATES AND SIZE: N54208, E39745 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, Fe, Na, NO₃, oil and grease, PO₄, SO₃, SO₄.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-13, a storm water outfall for external runoff outside the K-Area perimeter fence at the northwest corner of the fence and due west of the corner receives precipitation runoff.

COORDINATES AND SIZE: N54757, E39952 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, Fe, Mg, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: K-13, a storm water outfall for external runoff outside the K-Area perimeter fence at the northwest corner of the fence and due west of the corner receives precipitation runoff.

COORDINATES AND SIZE: N54757, E39952 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch

INVENTORY OF CONTAMINANTS: Trace quantities of oil and grease.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A 248-ft stack at the 105 Building for exhausting radioactive gases to the atmosphere from the regulated and radiation areas of the building.

COORDINATES AND SIZE: The stack can exhaust air flows during nuclear shutdowns, exceeding 2×10^5 cfm.

INVENTORY OF CONTAMINANTS: The radioactive contaminants being exhausted from building are monitored with on-line instruments including a carbon filter. An inventory of contaminants including H-3, A4-41, Kr-85m, Kr-87, Kr-88, Kr-total, I-131, Xe-133, Xe-135, Xe-total, other beta-gamma, alpha-total, and C-14 is compiled annually.

CURRENT USE: Active

NATURE OF CONCERN: Minimal. Our objective is to minimize releases of radioactive isotopes where economically feasible. Production requirements have recently caused increases in H-3, I-131, and Ar-41 emissions.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Request funding for a detritiation facility for heavy water and for waste water.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin (disassembly) inside Building 105 receives fission and activation products during the discharge of irradiated assemblies from the reactor tank.

COORDINATES AND SIZE: The basin contains 2.39 X 10⁶ million gallons of contaminated water inside disassembly.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes include: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: During a 2-week period immediately following the discharging of irradiated assemblies to the disassembly basin, low levels of H-3 and I-131 activity are released from the basin to the environs.

REGULATIONS: DOE Order 5480.1A, chapter XI. The basin effluent is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: No action required.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An open and active seepage basin (50 MM gal containment basin) located outside the K-Area perimeter fence and north of Building 105-K has received fission and activation products.

COORDINATES AND SIZE: The containment basin, Building 904-88G, is rectangular in shape, 559 ft by 616 ft, with southeast corner at N55016, E40728.

INVENTORY OF CONTAMINANTS: Decaying curie values of fission and activation products are calculated annually. Aqueous radioactive wastes include tritium, ^{51}Cr , ^{60}Co , ^{137}Cs , ^{134}Cs , ^{32}P , and other beta-gamma fission products from Building 105-K sumps, tanks, and drums.

CURRENT USE: The containment basin has been active as a seepage basin from 1964 to the present.

NATURE OF CONCERN: There is a postulated release to the ambient air of approximately one-third of the tritium purged or released to the seepage basin system.

REGULATIONS: DOE Order 5480.1A, chapter XI. The influent to the basin is listed in the NPDES application but is not regulated by it.

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An open, but inactive, seepage basin, located outside the K-Area perimeter fence and west of Building 105-K has received fission and activation products.

COORDINATES AND SIZE: The seepage basin, Building 904-65G, is rectangular in shape, 69 ft by 134 ft with one corner of the basin at N54100, E39716.

INVENTORY OF CONTAMINANTS: Decaying curie values of fission and activation products are calculated annually. Aqueous radioactive wastes included tritium, ^{51}Cr , ^{60}Co , ^{137}Cs , ^{134}Cs , and other beta-gamma fission products from Building 105-K sumps, tanks, and drums.

CURRENT USE: The seepage basin was active in 1959 and 1965. Currently, the basin is inactive and open.

NATURE OF CONCERN: There is a possibility of contaminating the subsurface sediment beyond the basin extremities due to groundwater migration.

REGULATIONS: SRP Radiation Control.

PROGRAM: Continue monitoring groundwater for radioactivity at wells in the vicinity. On a low priority basis, the percolation rate of the soil under this basin should be determined. If it is not suitable for use as a basin, it should be closed physically.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An open and active seepage basin (50 MM gal containment basin) located outside the K-Area perimeter fence and north of Building 105-K has received fission and activation products.

COORDINATES AND SIZE: The containment basin, Building 904-88G, is rectangular in shape, 559 ft by 616 ft, with southeast corner at N55016, E40728.

INVENTORY OF CONTAMINANTS: Decaying curie values of fission and activation products are calculated annually. Aqueous radioactive wastes include tritium, ^{51}Cr , ^{60}Co , ^{137}Cs , ^{134}Cs , ^{32}P , and other beta-gamma fission products from Building 105-K sumps, tanks, and drums.

CURRENT USE: The containment basin has been active as a seepage basin from 1964 to the present.

NATURE OF CONCERN: There is a possibility of contaminating the subsurface sediment beyond the basin extremities due to groundwater migration.

REGULATIONS: DOE Order 5480.1A, chapter XI. The influent to the basin is listed in the NPDES application, but is not regulated by the NPDES permit.

PROGRAM: Continue monitoring the groundwater for radioactivity at wells in the vicinity.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin (disassembly) inside Building 105 receives fission and activation products during the discharge of irradiated assemblies from the reactor tank.

COORDINATES AND SIZE: The basin contains 2.39 X 10⁶ million gallons of contaminated water inside disassembly.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes include: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Schedule the installation of monitoring wells around Building 105.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 exclusion fence that receives small amounts of fission and activation products during annual containment equipment and confinement heat removal tests.

COORDINATES AND SIZE: The basin, Building 106, will hold approximately 60,000 gallons prior to overflowing to the one-half-million gallon tank in the containment basin.

INVENTORY OF CONTAMINANTS: The inventory fluctuates to a minor degree but the primary radioactive contaminant is H-3, generally less than 200 curies in 50,000 gallons.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None required.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 exclusion fence receives activation products when the reactor shield systems deionized water is purged to Building 109.

COORDINATES AND SIZE: The basin, Building 109, will contain 4,990 gallons of purged water before it overflows to the process sewer.

INVENTORY OF CONTAMINANTS: The purged deionized water level is normally between 0 to 24 inches. The actuation products include CO-58, Co-60, and others in minute concentrations.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the walls of the basin.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 exclusion fence receives activation products when the reactor shield systems deionized water is purged to Building 109.

COORDINATES AND SIZE: The basin, Building 109, will contain 4,990 gallons of purged water before it overflows to the process sewer.

INVENTORY OF CONTAMINANTS: The purged deionized water level is normally between 0 to 24 inches. The activation products include C0-58, Co-60, and others in minute concentrations.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the walls of the basin.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 disassembly area receives fission and activation products as the disassembly sandfilter is backwashed or the disassembly basin floor is cleaned.

COORDINATES AND SIZE: The basin (disassembly sandfilter settler tank) will hold approximately 20,000 gallons of contaminated water before it overflows back to the disassembly basin.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes include: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Schedule the installation of monitoring wells around Building 105.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A radioactive contamination spill area due west of K-Area, northeast of, and adjacent to Road B, received aqueous spill in 1957.

COORDINATES AND SIZE: The area extends from N53662.70, E40110.0 to N53680.73, E39753.38 to a large area near Road B, extending N54269 to 54430.28, E40729 to 40773. Total area estimated at 2×10^5 sq ft.

INVENTORY OF CONTAMINANTS: The spill came from the Building 105 transfer area floor drain, primarily of beta-gamma radioactivity. Less than 1 curie remains of the contamination.

CURRENT USE: None

NATURE OF CONCERN: Migration of the low level contamination from the surface to the subsurface should not cause groundwater contamination.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Continue monitoring for activity.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: C-4, reactor cooling water and process sewer outfall outside the C-Area perimeter fence, south of the seepage basins receives traces of radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N64320, E45260 near the mouth of the outfall to Four Mile Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, caustic soda, Cl, Na, PO₄, SO₃, SO₄, Al, B, Fe, Mg, Mn, NO₃, oil and grease, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: Continue sampling the outfall daily.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: C-4, reactor cooling water and process sewer outfall outside the C-Area perimeter fence, south of the seepage basins receives traces of radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N64320, E45260 near the mouth of the outfall to Four Mile Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Cl, Na, PO₄, SO₃, SO₄, Al, B, Fe, NO₃, oil and grease, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: Continue sampling the outfall daily.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed asbestos rubble pit outside the C-Area perimeter fence (northeast of C Area and off Road A-6.2) received asbestos solid wastes.

COORDINATES AND SIZE: The closed and backfilled asbestos pit, Building 080-21G, extending 300 ft north and 60 ft east of N69212, E49625.

INVENTORY OF CONTAMINANTS: The pit was used for asbestos wastes, metal pipe, plastic bags with asbestos fibres in them, piping insulation. It was subsequently closed and backfilled.

CURRENT USE: Inactive

NATURE OF CONCERN: The disintegration of the known trash should not affect the quality of the groundwater below the site. The asbestos fibres will not penetrate the subsurface of the pit.

REGULATIONS: CERCLA

PROGRAM: Leave solid waste materials in place.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An open asbestos rubble pit outside the C-Area perimeter fence (northeast of C Area and off Road A-6.2) receives asbestos solid wastes.

COORDINATES AND SIZE: The asbestos pit, Building 080-22G, extending 300 ft north and 60 ft east of N69212, E49685.

INVENTORY OF CONTAMINANTS: The pit is used for asbestos wastes, metal pipe, plastic bags with asbestos fibres in them, piping insulation.

CURRENT USE: Access is controlled to the open pit.

NATURE OF CONCERN: The disintegration of the known trash should not affect the quality of the groundwater below the site. The asbestos fibres will not penetrate the subsurface of the pit.

REGULATIONS: CERCLA

PROGRAM: Leave solid waste materials in place.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An open rubble pile in an eroded area near the west side of the C-Area effluent canal. The rubble pile is used for erosion control.

COORDINATES AND SIZE: The open rubble pile, Building 131-1C, is located in the eroded area (25 ft by 1,000 ft by 5 ft deep) for 1,000 ft south from N65430.58, E45117.86.

INVENTORY OF CONTAMINANTS: Rubble consisting of waste concrete and metal.

CURRENT USE: Erosion control materials will be received until the deep erosion area is filled.

NATURE OF CONCERN: Only concrete and other viable erosion control materials should be placed in the eroded area.

REGULATIONS: None

PROGRAM: Visual monitoring on a periodic basis to check erosion control.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: C-1, non-process cooling water and external runoff outfall, outside the perimeter fence, southeast of Road C and northwest of Building 188-C (ash pile) receives trace nonradioactive contaminants.

COORDINATES AND SIZE: N69637.8, E45076.5 is a point on the drainage channel to a tributary of Four Mile Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cl, Cu, Fe, Mg, Mn, Ni, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: C-1, non-process cooling water and external runoff outfall, outside the perimeter fence, southeast of Road C and northwest of Building 188-C (ash pile) receives trace nonradioactive contaminants.

COORDINATES AND SIZE: N69637.8, E45076.5 is a point on the drainage channel to a tributary of Four Mile Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, B, Cl, Fe, gasoline, kerosene, methylene glycol, Na, NO₃, oil and grease, PO₄, Pb, SO₃, and SO₄.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: C-2, overflow outfall from a coal pile runoff basin, outside the C-Area perimeter fence and south of Building 184-2C receives nonradioactive contaminants.

COORDINATES AND SIZE: N65186, E46970 is a point at the mouth of the outfall to a tributary of Four Mile Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cr, Cu, F, Fe, Mg, Mn, Ni, SO₄, total P, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: C-3, non-process cooling water and external runoff outfall outside the C-Area perimeter fence and south of Building 108-3C receives trace nonradioactive contaminants.

COORDINATES AND SIZE: N65930, E45800 is a point at the mouth of the outfall to an unnamed tributary of Four Mile Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of caustic soda, Cl, Na, PO₄, SO₃, SO₄, Fe, Mg, NO₃, oil and grease, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: C-3, non-process cooling water and external runoff outfall outside the C-Area perimeter fence and south of Building 108-3C receives trace nonradioactive contaminants.

COORDINATES AND SIZE: N65930, E45800 is a point at the mouth of the outfall to an unnamed tributary of Four Mile Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of oil and grease, and Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A 248-ft stack at the 105 Building for exhausting radioactive gases to the atmosphere from the regulated and radiation areas of the building.

COORDINATES AND SIZE: The stack can exhaust air flows during nuclear shutdowns, exceeding 2×10^5 cfm.

INVENTORY OF CONTAMINANTS: The radioactive contaminants being exhausted from building are monitored with on-line instruments including a carbon filter. An inventory of contaminants including H-3, A4-41, Kr-85m, Kr-87, Kr-88, Kr-total, I-131, Xe-133, Xe-135, Xe-total, other beta-gamma, alpha-total, and C-14 is compiled annually.

CURRENT USE: Active

NATURE OF CONCERN: Minimal. Our objective is to minimize releases of radioactive isotopes where economically feasible. Production requirements have recently caused increases in H-3, I-131, and Ar-41 emissions.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Request funding for a detritiation facility for heavy water and for waste water.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin (disassembly) inside Building 105 receives fission and activation products during the discharge of irradiated assemblies from the reactor tank.

COORDINATES AND SIZE: The basin contains 2.79×10^6 million gallons of contaminated water inside disassembly.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes include: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: During a 2-week period immediately following the discharging of irradiated assemblies to the disassembly basin, low levels of H-3 and I-131 activity are released from the basin to the environs.

REGULATIONS: DOE Order 5480.1A, chapter XI. The basin effluent is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: No action required.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active seepage basin system, consisting of three basins, located outside the C-Area perimeter fence and northwest of C-Area effluent canal has received fission and activation products.

COORDINATES AND SIZE: Seepage basin 1, Building 904-66G, ell-shaped, 35 ft wide, extending 200 ft west and 200 ft south of N67765, E44940; seepage basin 2, Building 904-67G, rectangular, extending 55 ft west and 300 ft north to N67392, E44772; seepage basin 3, Building 904-68G, rectangular, 80 ft north and 150 ft east of N67347, E44792.

INVENTORY OF CONTAMINANTS: Decaying curie values of fission and activation products are calculated annually. Aqueous radioactive wastes include tritium, ^{51}Cr , ^{60}Co , ^{137}Cs , ^{134}Cs , and other beta-gamma fission products from Building 105-C sumps, tanks, and drums.

CURRENT USE: System was active from 1957 to 1970 and from 1978 to the present.

NATURE OF CONCERN: There is a possibility of contaminating the subsurface sediment beyond the basin extremities due to groundwater migration.

REGULATIONS: DOE Order 5480.1A, chapter XI. The influent to the basin is listed in the NPDES application, but is not regulated.

PROGRAM: Continue monitoring groundwater for radioactivity at the wells in the vicinity.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin (disassembly) inside Building 105 receives fission and activation products during the discharge of irradiated assemblies from the reactor tank.

COORDINATES AND SIZE: The basin contains 2.79 X 10⁶ million gallons of contaminated water inside disassembly.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes include: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Schedule the installation of monitoring wells around Building 105.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 exclusion fence that receives small amounts of fission and activation products during annual containment equipment and confinement heat removal tests.

COORDINATES AND SIZE: The basin, Building 106, will hold approximately 60,000 gallons prior to overflowing to the one-half-million gallon tank in the containment basin.

INVENTORY OF CONTAMINANTS: The inventory fluctuates to a minor degree but the primary radioactive contaminant is H-3, generally less than 200 curies in 50,000 gallons.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None required.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 exclusion fence receives activation products when the reactor shield systems deionized water is purged to Building 109.

COORDINATES AND SIZE: The basin, Building 109, will contain 4,990 gallons of purged water before it overflows to the process sewer.

INVENTORY OF CONTAMINANTS: The purged deionized water level is normally between 0 to 24 inches. The actuation products include C0-58, Co-60, and others in minute concentrations.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the walls of the basin.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 exclusion fence receives activation products when the reactor shield systems deionized water is purged to Building 109.

COORDINATES AND SIZE: The basin, Building 109, will contain 4,990 gallons of purged water before it overflows to the process sewer.

INVENTORY OF CONTAMINANTS: The purged deionized water level is normally between 0 to 24 inches. The activation products include Co-58, Co-60, and others in minute concentrations.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the walls of the basin.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 disassembly area receives fission and activation products as the disassembly sandfilter is backwashed or the disassembly basin floor is cleaned.

COORDINATES AND SIZE: The basin (disassembly sandfilter settler tank) will hold approximately 20,000 gallons of contaminated water before it overflows back to the disassembly basin.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes include: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Schedule the installation of monitoring wells around Building 105.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed and backfilled mixed waste rubble pit located outside the L-Area perimeter fence (north of Road 7 and east of the ash basin) had received waste from the Bingham pump outage.

COORDINATES AND SIZE: The backfilled pit, Building 643-2G, extending 44 ft west and 333 ft north of N48811.50, E52887.46.

INVENTORY OF CONTAMINANTS: Concrete rubble and piping from regulated area work in Building 105 during the Bingham pump outage of 1956 and 1957. Process water piping (in moderator service) not buried in this pit.

CURRENT USE: Closed, permanently marked, and documented.

NATURE OF CONCERN: None

REGULATIONS: DOE Order 5480.1A, chapter XI. Leaching from the buried solid waste should not cause groundwater contamination to exceed RCRA parameter limits.

PROGRAM: None. Leave solid waste material in place.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed and backfilled mixed waste rubble pit located outside the L-Area perimeter fence (north of Road 7 and east of the ash basin) had received waste from the Bingham pump outage.

COORDINATES AND SIZE: The backfilled pit, Building 643-3G, extending 47 ft south and 488 ft east of N48933.80, E53254.51.

INVENTORY OF CONTAMINANTS: Concrete rubble and piping from regulated area work in Building 105 during the Bingham pump outage of 1956 and 1957. Process water piping (in moderator service) not buried in this pit.

CURRENT USE: Closed, permanently marked, and documented.

NATURE OF CONCERN: None

REGULATIONS: DOE Order 5480.1A, chapter XI. Leaching from the buried solid waste should not cause groundwater contamination to exceed RCRA parameter limits.

PROGRAM: None. Leave solid waste material in place.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-5, process sewer outfall to seepage basin 904-63G, empties into the basin at the north end. The process sewer will carry low level radioactivity to the basin. The basin does not have an overflow.

COORDINATES AND SIZE: N45292, E51044 is a point at the basin end of the process sewer.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83

EAPD: L-MW-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-6, process sewer outfall outside the L-Area perimeter fence goes to Building 904-63G (that does not have an overflow) and leaves radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N45413, E50564 is a point on the Building 904-63G end of the process sewer line.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, Cl, CO₃, Fe, K, Mg, Na, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn from Building 105-L.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-6, process sewer outfall outside the L-Area perimeter fence goes to Building 904-63G (that does not have an overflow) and leaves radioactive and nonradioactive contaminants.

COORDINATES AND SIZE: N45413, E50564 is a point on the Building 904-63G end of the process sewer line.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, Cl, CO₃, Fe, K, Na, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn from Building 105-L.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit. DOE Order 5480.1A, chapter XI.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-7, reactor cooling water and process water outfall, outside perimeter fence, due south of the southwest corner of the fence and across Road B, will receive traces of radioactive and nonradioactive contaminants from internal building sewers.

COORDINATES AND SIZE: N43180, E48900 is a point at the mouth of the outfall to Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, caustic soda, Cl, CO₃, Fe, K, Mg, Na, NO₃, oil and grease, organic N, organic P, PO₄, SO₃, SO₄, surfactants, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: Continue sampling the outfall daily.

PRIORITY: No action required.

Revision Date: 7/28/83
EAPD: L-MW-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-7, reactor cooling water and process water outfall, outside the 100-C perimeter fence, due south of the southwest corner of the fence and across Road B, will receive traces of radioactive and nonradioactive contaminants from internal building sewers.

COORDINATES AND SIZE: N43180, E48900 is a point at the mouth of the outfall to Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, caustic soda, Cl, CO₃, Fe, K, Mg, Na, NO₃, oil and grease, organic N, organic P, PO₄, SO₃, SO₄, surfactants, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES permit application but is not regulated by the NPDES permit.

PROGRAM: No action required.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed rubble pit located outside the L-Area perimeter fence (east of the intersection of Road 7 and Pen Branch) received miscellaneous rubble. It was not a former burning pit.

COORDINATES AND SIZE: The closed and backfilled rubble pit, Building 131-3L, extending 140 ft south and 320 ft east of N50766.39, E47188.86.

INVENTORY OF CONTAMINANTS: The pit was used from plant startup as a miscellaneous trash and rubble pit. It was subsequently closed and backfilled.

CURRENT USE: Inactive

NATURE OF CONCERN: The disintegration of the known trash should not affect the quality of the groundwater below the site.

REGULATIONS: CERCLA

PROGRAM: Leave solid waste materials in place.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed rubble pit outside the L-Area perimeter fence (between Road C-7 and the railroad) received miscellaneous rubble.

COORDINATES AND SIZE: The closed and backfilled rubble pit, Building 131-4L, extending 55 ft east and 56 ft south of N47612.5, E52730.0.

INVENTORY OF CONTAMINANTS: The pit was used to bury rubble from the powerhouse stack and silo when the powerhouse was sold. The rubble consisted primarily of metal and concrete. The pit was subsequently closed and backfilled.

CURRENT USE: Inactive

NATURE OF CONCERN: The buried materials are essentially inert or have slow disintegration rates. Quality of the groundwater should not be affected.

REGULATIONS: CERCLA

PROGRAM: Leave solid waste materials in place.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: L-NP-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed and backfilled nonradioactive waste pit located inside the L-Area perimeter fence (adjacent to Building 131-L) has received empty compressed gas cylinders.

COORDINATES AND SIZE: The backfilled pit, Building 131-2L, extending 14 ft south and 27 ft west of N48459.77, E49004.30.

INVENTORY OF CONTAMINANTS: A mixture of compressed gas cylinders were vented and discarded to the pit.

CURRENT USE: Closed.

NATURE OF CONCERN: None

REGULATIONS: CERCLA

PROGRAM: Leave solid waste materials in place. Initiate further investigation to document the types of compressed gas cylinders buried at the site.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: L-NW-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-1, a normally dry storm water outfall off the northeast corner of L-Area perimeter fence will receive nonradioactive contaminants.

COORDINATES AND SIZE: N47020, E52220 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-2, a normally dry storm water outfall extending from southeastern corner of L-Area perimeter fence south to Road B, will receive nonradioactive contaminants.

COORDINATES AND SIZE: N43056.5, E51295.5 is a point at the mouth of the outfall to Steel Creek.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: L-NW-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-3, a normally dry storm sewer outfall outside the L-Area perimeter fence, due south of Building 904-79G and across Road B, will receive nonradioactive contaminants.

COORDINATES AND SIZE: N43750, E51285 is a point at the mouth of the outfall to Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cl, CO₃, caustic soda, Fe, K, Mg, Na, oil and grease, PO₄, SO₃, SO₄, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-8, non-process cooling water and external runoff outfall, outside the L-Area perimeter fence and at the southeast corner of the fence, receives nonradioactive contaminants.

COORDINATES AND SIZE: N45435, E49844 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cl, Fe, Mg, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn from Reactor and Power facilities.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and the base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/28/83
EAPD: L-NW-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-8, non-process cooling water and external runoff outfall, outside the 100-L perimeter fence and at the southeast corner of the fence, receives nonradioactive contaminants.

COORDINATES AND SIZE: N45435, E49844 is a point at the mouth of the outfall. The outfall goes to an unnamed tributary of Steel Creek which empties into the Savannah River.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cl, Fe, Mg, NO₃, oil and grease, PO₄, SO₃, SO₄, Zn from Reactor and Power facilities.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the DPDES applications but is not regulated by it.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: L-NW-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-9, a normally dry storm water external runoff outfall, outside the southwest corner of the perimeter fence, receives nonradioactive contaminants.

COORDINATES AND SIZE: N45972, E49710 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and the base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date 7/28/83
EAPD: L-NW-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-9, a normally dry storm water external runoff outfall, outside the southwest corner of the perimeter fence, receives nonradioactive contaminants.

COORDINATES AND SIZE: N45972, E49710 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and the base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-10, stormwater and non-process cooling water outfall, outside the L-Area perimeter fence and south of the employee parking lot receives nonradioactive contaminants.

COORDINATES AND SIZE: N46225, E49610 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of oil and grease.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and the base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/28/83
EAPD: L-NW-7

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-10, storm water outfall, also non-process cooling water from internal sewers and runoff, outside the 100-L perimeter fence and south of the employee parking lot receives nonradioactive contaminants.

COORDINATES AND SIZE: N46225, E49610 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of oil and grease.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and the base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83

EAPD: L-NW-8

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-11, a normally dry storm water outfall outside the L-Area perimeter fence and due south of the southwest end of the employee parking lot receives nonradioactive contaminants.

COORDINATES AND SIZE: N46300, E49326.8 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of oil and grease.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and the base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/28/83
EAPD: L-NW-8

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-11, a normally dry storm water outfall outside the 100-L perimeter fence and due south of the southwest end of the employee parking lot receives nonradioactive contaminants.

COORDINATES AND SIZE: N46300, E49326.8 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of oil and grease.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and the base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83

EAPD: L-NW-9

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-13, a normally dry storm water and external runoff outfall outside the northwest corner of the L-Area perimeter fence and under Road 7, receives nonradioactive contaminants.

COORDINATES AND SIZE: N47780, E49862.7 is a point at the mouth of the outfall to an unnamed tributary of Pen Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, oil and grease.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and the base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

DUPPLICATE

Revision Date: 7/28/83
EAPD: L-NW-9

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: L-13, a normally dry storm water and external runoff outfall, outside the northwest corner of the 100-L perimeter fence and under Road 7, receives nonradioactive contaminants.

COORDINATES AND SIZE: N47780, E49862.7 is a point at the mouth of the outfall to an unnamed tributary of Pen Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, oil and grease.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and the base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A 248-ft stack at the 105 Building for exhausting radioactive gases to the atmosphere from the regulated and radiation areas of the building.

COORDINATES AND SIZE: The stack can exhaust air flows during nuclear shutdowns, exceeding 2×10^5 cfm.

INVENTORY OF CONTAMINANTS: The radioactive contaminants being exhausted from building are monitored with on-line instruments including a carbon filter. An inventory of contaminants including H-3, A4-41, Kr-85m, Kr-87, Kr-88, Kr-total, I-131, Xe-133, Xe-135, Xe-total, other beta-gamma, alpha-total, and C-14 is compiled annually.

CURRENT USE: Active

NATURE OF CONCERN: Minimal. Our objective is to minimize releases of radioactive isotopes where economically feasible. Production requirements have recently caused increases in H-3, I-131, and Ar-41 emissions.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Request funding for a detritiation facility for heavy water and for waste water.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An inactive basin (disassembly) inside Building 105 will receive fission and activation products during the discharge of irradiated assemblies from the reactor tank.

COORDINATES AND SIZE: The basin will contain 2.39×10^6 million gallons of contaminated water inside disassembly.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes include: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: During a 2-week period immediately following the discharging of irradiated assemblies to the disassembly basin, low levels of H-3 and I-131 activity are released from the basin to the environs.

REGULATIONS: DOE Order 5480.1A, chapter XI. The basin effluent is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: No action required.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active seepage basin located outside the L-Area perimeter fence and south of Building 105-L has received fission and activation products.

COORDINATES AND SIZE: The seepage basin, Building 904-64G is ell-shaped, 35 ft wide and extending 200 ft northwest and 200 ft northeast of N45210, E50565.

INVENTORY OF CONTAMINANTS: Decaying curie values of fission and activation products are calculated annually. Aqueous radioactive wastes include tritium, ^{51}Cr , ^{60}Co , ^{137}Cs , ^{134}Cs , and other beta-gamma fission products from Building 105-L sumps, tanks, and drums.

CURRENT USE: System was open from 1958 to 1959, 1961 to 1965, 1967 to 1969, and from 1981 to present. Minimal additions were made to the basin in 1982.

NATURE OF CONCERN: There is a postulated release to the ambient air of approximately one-third of the tritium purged or released to the seepage basin system.

REGULATIONS: DOE Order 5480.1A, chapter XI. The influent to the basin is listed in the NPDES application but is not regulated by it.

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active seepage basin located outside the L-Area perimeter fence and south of Building 105-L has received fission and activation products.

COORDINATES AND SIZE: The seepage basin, Building 904-64G is ell-shaped, 35 ft wide and extending 200 ft northwest and 200 ft northeast of N45210, E50565.

INVENTORY OF CONTAMINANTS: Decaying curie values of fission and activation products are calculated annually. Aqueous radioactive wastes include tritium, ^{51}Cr , ^{60}Co , ^{137}Cs , ^{134}Cs , and other beta-gamma fission products from Building 105-L sumps, tanks, and drums.

CURRENT USE: System was open from 1958 to 1959, 1961 to 1965, 1967 to 1969, and from 1981 to present. Minimal additions were made to the basin in 1982.

NATURE OF CONCERN: There is a possibility of contaminating the subsurface sediment beyond the basin extremities due to the groundwater migration.

REGULATIONS: DOE Order 5480.1A, chapter XI. The influent to the basin is listed in the NPDES application, but is not regulated.

PROGRAM: Continue monitoring groundwater for radioactivity at the wells in the vicinity.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An inactive basin (disassembly) inside Building 105 will receive fission and activation products during the discharge of irradiated assemblies from the reactor tank.

COORDINATES AND SIZE: The basin will contain 2.39×10^6 million gallons of contaminated water inside disassembly.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes included: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Schedule the installation of monitoring wells around Building 105.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 exclusion fence will receive small amounts of fission and activation products during annual containment equipment and confinement heat removal tests.

COORDINATES AND SIZE: The basin, Building 106, will hold approximately 60,000 gallons prior to overflowing to the one-half-million gallon tank in the containment basin.

INVENTORY OF CONTAMINANTS: The inventory fluctuates to a minor degree but the primary radioactive contaminant is H-3, generally less than 200 curies in 50,000 gallons.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None required.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: L-RB-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An active basin inside the Building 105 exclusion fence will receive activation products when the reactor shield systems deionized water is purged to Building 109.

COORDINATES AND SIZE: The basin, Building 109, will contain 4,990 gallons of purged water before it overflows to the process sewer.

INVENTORY OF CONTAMINANTS: The purged deionized water level is normally between 0 to 24 inches. The activation products include Co-58, Co-60, and others in minute concentrations.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the walls of the basin.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An inactive basin inside the Building 105 disassembly area will receive fission and activation products as the disassembly sandfilter is backwashed or the disassembly basin floor is cleaned.

COORDINATES AND SIZE: The basin (disassembly sandfilter settler tank) will hold approximately 23,500 gallons of contaminated water before it overflows back to the disassembly basin.

INVENTORY OF CONTAMINANTS: The inventory peaks immediately after a discharge and reaches a low prior to the next discharge of irradiated assemblies. The isotopes include: H-3, Cr-51, Cs-137, Cs-134, I-131, Zr-95/Nb-95, S-35, Ce-141/Ce-145, other beta-gammas, and alpha.

CURRENT USE: Active

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Schedule the installation of monitoring wells around Building 105.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: L-RS-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A radioactive contamination spill area from contaminated storage at northwest corner of Building 105-L.

COORDINATES AND SIZE: The area has two low, one at N4586.18, E50990.18 and N45575.53, E50993.24, covering 2×10^4 sq ft.

INVENTORY OF CONTAMINANTS: The beta-gamma contamination of less than 1 curie came from the storage of contaminated equipment.

CURRENT USE: None

NATURE OF CONCERN: Migration of the low level contamination from the surface to the subsurface should not cause groundwater contamination.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Continue monitoring for activity.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A radioactive contamination spill area from contaminated storage at northwest corner of Building 105-L.

COORDINATES AND SIZE: The area has two loci, one at N4586.18, E50990.18 and N45575.53, E50993.24, covering 2×10^4 sq ft.

INVENTORY OF CONTAMINANTS: The beta-gamma contamination of less than 1 curie came from the storage of contaminated equipment.

CURRENT USE: None

NATURE OF CONCERN: Migration of the low level contamination from the surface to the subsurface should not cause groundwater contamination.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Continue monitoring for activity.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: L-RS-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A radioactive contamination spill area from contaminated storage at southwest corner of Building 105-L.

COORDINATES AND SIZE: The area has two low, one at N45308.38, E50237.50 and N45862.18, E50990.18 covering 1×10^4 sq ft.

INVENTORY OF CONTAMINANTS: The beta-gamma contamination of less than 1 curie came from the storage of contaminated equipment.

CURRENT USE: None

NATURE OF CONCERN: Migration of the low level contamination from the surface to the subsurface should not cause groundwater contamination.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Continue monitoring for activity.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A radioactive contamination spill area from contaminated storage at southwest corner of Building 105-L.

COORDINATES AND SIZE: The area has two loci, one at N45308.38, E50237.50 and N45862.18, E50990.18 covering 1×10^4 sq ft.

INVENTORY OF CONTAMINANTS: The beta-gamma contamination of less than 1 curie came from the storage of contaminated equipment.

CURRENT USE: None

NATURE OF CONCERN: Migration of the low level contamination from the surface to the subsurface should not cause groundwater contamination.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: Continue monitoring for activity.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed and backfilled mixed waste rubble pit located outside the R-Area perimeter fence (northwest of R Area and entrance to Road G-1) had received waste from the Bingham pump outage.

COORDINATES AND SIZE: The backfilled pit, Building 643-8G, 20 ft by 250 ft, with northwest corner at N56959, E77243.

INVENTORY OF CONTAMINANTS: Concrete rubble and piping from regulated area work in Building 105 during the Bingham pump outage of 1956 and 1957. Process water piping (in moderator service) not buried in this pit.

CURRENT USE: Closed, permanently marked, and documented.

NATURE OF CONCERN: None

REGULATIONS: DOE Order 5480.1A, chapter XI. Leaching from the buried solid waste should not cause groundwater contamination to exceed RCRA parameter limits.

PROGRAM: None. Leave solid waste material in place.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed and backfilled mixed waste rubble pit located outside the R-Area perimeter fence (northwest of R Area and entrance to Road G-1) had received waste from the Bingham pump outage.

COORDINATES AND SIZE: The backfilled pit, Building 643-9G, 15 ft by 250 ft, with northwest corner at N56959, E77328.

INVENTORY OF CONTAMINANTS: Concrete rubble and piping from regulated area work in Building 105 during the Bingham pump outage of 1956 and 1957. Process water piping (in moderator service) not buried in this pit.

CURRENT USE: Closed, permanently marked, and documented.

NATURE OF CONCERN: None

REGULATIONS: DOE Order 5480.1A, chapter XI. Leaching from the buried solid waste should not cause groundwater contamination to exceed RCRA parameter limits.

PROGRAM: None. Leave solid waste material in place.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed and backfilled mixed waste rubble pit located outside the R-Area perimeter fence (northwest of R Area and entrance to Road G-1) had received waste from the Bingham pump outage.

COORDINATES AND SIZE: The backfilled pit, Building 643-10G, 25 ft by 515 ft, with northwest corner at N57224, E77408.

INVENTORY OF CONTAMINANTS: Concrete rubble and piping from regulated area work in Building 105 during the Bingham pump outage of 1956 and 1957. Process water piping (in moderator service) not buried in this pit.

CURRENT USE: Closed, permanently marked, and documented.

NATURE OF CONCERN: None

REGULATIONS: DOE Order 5480.1A, chapter XI. Leaching from the buried solid waste should not cause groundwater contamination to exceed RCRA parameter limits.

PROGRAM: None. Leave solid waste material in place.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: R-1, reactor cooling water and process water outfall, outside the northeast corner of the R-Area perimeter fence, received traces of radioactive and nonradioactive contamination.

COORDINATES AND SIZE: N58897.1, E77346.6 is a point at the mouth of the outfall to Par Pond.

INVENTORY OF CONTAMINANTS: Trace quantities of tritium, beta-gamma, Al, caustic soda, Cl, Fe, K, methylene chloride, Mg, Mn, Na, NO₃, oil and grease, organic N, organic P, PO₄, SO₃, SO₄, and Zn had been received.

CURRENT USE: R Area is abandoned. The outfall receives precipitation runoff from dismantled Power facilities and groundwater inleakage from Building 105.

NATURE OF CONCERN: Leaching of radioactive contaminants from the banks of the outfall during rainfall.

REGULATIONS: The input to the outfall was listed in NPDES application but is not regulated by the NPDES permit.

PROGRAM: No action required.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: R-3, a non-process sewer outfall, outside the R-Area perimeter fence, south of Building 904-77G and east of Building 188-R, received nonradioactive run of contamination.

COORDINATES AND SIZE: N54260, E75025 is a point at the mouth of the outfall to East Ford Poplar Fork Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, caustic soda, Cl, Fe, K, Mg, Mn, Na, NO₃, oil and grease, PO₄, SO₄, surfactant, and Zn had been received.

CURRENT USE: R Area is abandoned. The outfall receives only precipitation runoff from dismantled Power facilities and inactive reactor buildings.

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall was listed in NPDES application but is not regulated by the NPDES permit.

PROGRAM: No action required.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed and backfilled rubble pit located north of R-Area perimeter fence (and west of Seepage Basin 1) has received miscellaneous rubble. It was originally on ground surface.

COORDINATES AND SIZE: The closed rubble pit, Building 131-2R, extending 115 ft southeast and 184 ft southwest of N55742.8, E74274.6.

INVENTORY OF CONTAMINANTS: The pit was used from plant startup for miscellaneous trash and rubble, including metal, concrete, lumber, poles, etc. It was subsequently closed and backfilled.

CURRENT USE: Inactive

NATURE OF CONCERN: The disintegration of the known trash should not affect the quality of the groundwater below the site.

REGULATIONS: CERCLA

PROGRAM: Leave solid waste materials in place.

PRIORITY: No action required.

Revision Date: 7/11/83

EAPD: R-NP-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed asbestos rubble pit inside the R-Area perimeter fence and west of Building 105-R received asbestos rubble.

COORDINATES AND SIZE: The closed and backfilled asbestos pit, Building 080-1R, 70 ft by 280 ft from the northeast corner of N57120, E74700.

INVENTORY OF CONTAMINANTS: The pit was used for asbestos wastes and piping from the abandoned steam lines in R Area. It was subsequently closed and backfilled.

CURRENT USE: Inactive

NATURE OF CONCERN: The disintegration of the known trash should not affect the quality of the groundwater below the site. The asbestos fibres will not penetrate the subsurface of the pit.

REGULATIONS: CERCLA

PROGRAM: Leave solid waste materials in place.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: R-NW-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: R-2, a normally dry storm water and external runoff outfall outside the perimeter fence, at the southeastern end of the employee parking area, receives nonradioactive contaminants.

COORDINATES AND SIZE: N55747.9, E76953.7 is a point at the mouth of the outfall to an unnamed tributary of Par Pond.

INVENTORY OF CONTAMINANTS: Trace quantities of oil and grease.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall was listed in NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/28/83
EAPD: R-NW-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: R-2, a normally dry storm water and external runoff outfall outside the perimeter fence, at the southeastern end of the employee parking area, receives nonradioactive contaminants.

COORDINATES AND SIZE: N55747.9, E76953.7 is a point at the mouth of the outfall to an unnamed tributary of Par Pond.

INVENTORY OF CONTAMINANTS: Trace quantities of oil and grease

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall was listed in NPDES application but is not regulated by it.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date: 7/28/83
EAPD: R-NW-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: R-3, a non-process sewer outfall, outside the 100-R perimeter fence, south of Building 904-77G and east of Building 188-R, receives nonradioactive runoff contamination.

COORDINATES AND SIZE: N54260, E75025 is a point at the mouth of the outfall to East Ford Poplar Fork Branch upstream of Par Pond.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, caustic soda, Cl, Fe, K, Mg, Mn, Na, NO₃, oil and grease, PO₄, SO₄, surfactant, and Zn had been received.

CURRENT USE: Active. Receives precipitation runoff.

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall was listed in the NPDES application but is not regulated by it.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date: 7/25/83
EAPD: R-RA-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: The abandoned 105 Building and surrounding process lines contaminated with residual traces of fission and activated products of its former production runs.

COORDINATES AND SIZE: The complete 105-R Building.

INVENTORY OF CONTAMINANTS: No production releases to the environs since 1964 when production was stopped in the area. The contaminants produced during operation included: H-3, AR-41, Kr-85m, Kr-87, Kr-88, Kr-total, I-131, Xe-133, Xe-135, Xe-total, other beta-gamma, alpha-total, and C-14. Process sewer lines were contaminated with H-3, Ce-141/144, Cr-51, I-131, Cs-137, Zr/Nb-95, Cs-134, S-35, Sr-90, Co-59, Co-60, and alpha.

CURRENT USE: Inactive

NATURE OF CONCERN: Ultimate disposal of a radioactive contaminated building.

REGULATIONS: CERCLA. Doe Order 5480.1A, chapter XI.

PROGRAM: Consider plans for final decommissioning of the 105-R facilities.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: A closed seepage basin system, consisting of six basins, located outside the R-Area perimeter fence and north of Building 105-R has received fission and activation products.

COORDINATES AND SIZE: Seepage basin 1, Building 904-103G, ell-shaped, 30 ft wide, extending 200 ft southwest and 200 ft southeast of N57794.43, E74878.87; seepage basin 3, Building 904-57G, rectangular, extending 30 ft northeast and 300 ft southeast of N58387.73, E74872.60; seepage basin 2, Building 904-104G, rectangular, extending 45 ft northeast and 200 ft southeast of N58020.04, E74839.98; seepage basin 4, Building 904-58G, rectangular, extending 35 ft east and 308 ft south of N58584.99, E75103.57; seepage basin 5, Building 904-59G, rectangular, extending 40 ft southeast and 300 ft northeast of N58508.15, E75486.39; seepage basin 6, Building 904-60G, rectangular, extending 45 ft southeast and 500 ft northeast of N58146.13, E75586.80.

INVENTORY OF CONTAMINANTS: Decaying curie values of fission and activation products are calculated annually. Aqueous radioactive wastes included tritium, ^{51}Cr , ^{60}Co , ^{137}Cs , ^{134}Cs , and other beta-gamma fission products from Building 105-R sumps, tanks, and drums.

CURRENT USE: System was active from 1957 to 1962, and in 1964. Currently, the basins are filled, closed, capped with blacktop, and marked with pylons.

NATURE OF CONCERN: There is a possibility of contaminating the subsurface sediment beyond the basin extremities due to groundwater migration.

REGULATIONS: DOE Order 5480.1A, chapter XI

PROGRAM: Continue monitoring groundwater for radioactivity at wells in the vicinity.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An inactive basin (disassembly) inside Building 105 received fission and activation products during the discharge of irradiated assemblies from the reactor tank.

COORDINATES AND SIZE: The basin contains approximately one-half of its original volume of 2.88×10^6 million gallons of contaminated water inside disassembly.

INVENTORY OF CONTAMINANTS: The inventory of contaminants has been decaying off on their half-life cycles since 1964.

CURRENT USE: Inactive

NATURE OF CONCERN: There are no monitoring wells around the building to check for outleakage through the concrete basin walls.

REGULATIONS: DOE Order 5480-1A, chapter XI

PROGRAM: Schedule installation of monitoring wells around Building 105.

PRIORITY: Low

Revision Date: 7/11/83
EAPD: R-RB-8

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An inactive basin inside the Building 105 exclusion fence that received small amounts of fission and activation products during annual containment equipment and confinement heat removal tests.

COORDINATES AND SIZE: The basin, Building 106, will hold approximately 60,000 gallons prior to overflowing to the process sewer.

INVENTORY OF CONTAMINANTS: Basin is essentially empty.

CURRENT USE: Inactive

NATURE OF CONCERN: None

REGULATIONS: DOE Order 5480-1A, chapter XI

PROGRAM: Abandon the basin, seal the cover in place and mark it.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: R-RB-9

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Reactor Department

SITE DESCRIPTION AND LOCATION: An inactive basin inside the Building 105 exclusion fence received activation products when the reactor shield systems deionized water is purged to Building 109.

COORDINATES AND SIZE: The basin, Building 109, will contain 4,990 gallons of purged water before it overflows to the process sewer.

INVENTORY OF CONTAMINANTS: The basin is essentially empty.

CURRENT USE: Inactive

NATURE OF CONCERN: None

REGULATIONS: Any outleakage from the basin should not cause groundwater contamination to exceed RCRA parameter limits.

PROGRAM: Abandon the basin, seal the covers in place, and mark it.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Heavy Water

SITE DESCRIPTION: (Outfall D-1, Ref. 1) Condenser cooling water/process sewer outfall to Beaver Dam Creek.

COORDINATES AND SIZE:

INVENTORY OF CONTAMINANTS: Acetate, Al, Alcohols, Cl, Co, Cu, Fe, F, HCO₃, I, Mg, Na, NH₄, Ni, NO₃, Org. N, PO₄, S, SO₃, SO₄, Si, Surfactants, ToLuene, Total P, Zn.

CURRENT USE: Process sewer and condenser cooling water discharge from Heavy Water finishing plant and 772-D Laboratory.

NATURE OF CONCERN: None

REGULATIONS: Clean water act, NPDES permit.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: D-NW-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Heavy Water

SITE DESCRIPTION: (Outfall D-6, Ref. 1) Process sewer outfall to an unnamed tributary of the Savannah River.

COORDINATES AND SIZE:

INVENTORY OF CONTAMINANTS: Acetate, AL, Alcohols, Caustic Soda, CO₃, I, K, Mo, Na, NO₃, Oil and grease, Org. N, PO₄, S, SO₃, SO₄, Si, ToLuene, Zn.

CURRENT USE: External rainwater runoff and internal sewers from Heavy Water facilities and the 772-D Laboratory.

NATURE OF CONCERN: None

REGULATIONS: Clean water act, NPDES permit.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: D-NP-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Heavy Water

SITE DESCRIPTION: Bldg. 080-20G Rubble Pit

COORDINATES AND SIZE: N 66747 E 21797 (Northeast corner)

INVENTORY OF CONTAMINANTS: Asbestos, metal pipe, scrap from bubble tower.

CURRENT USE: Closed

NATURE OF CONCERN: None

REGULATIONS:

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: D-NP-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Heavy Water

SITE DESCRIPTION: Rubble Pit, Bldg. 431-2D

COORDINATES AND SIZE: N 66393.0 E 18598.8 (corner)

INVENTORY OF CONTAMINANTS: Metal, concrete, lumber, poles, etc.

CURRENT USE: Closed

NATURE OF CONCERN: None

REGULATIONS:

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: D-NP-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Heavy Water

SITE DESCRIPTION: Rubble Pit, Bldg. 431-1D

COORDINATES AND SIZE: N 66544.2 E 18562.0 (Corner)

INVENTORY OF CONTAMINANTS: Metal, concrete, lumber, poles, etc.

CURRENT USE: Closed

NATURE OF CONCERN: None

REGULATIONS:

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: D-NP-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Heavy Water

SITE DESCRIPTION: Rubble pit, Bldg. 431-D

COORDINATES AND SIZE: N 66504.4 E 18578.7 (Corner)

INVENTORY OF CONTAMINANTS: Metal, concrete, lumber, poles, etc.

CURRENT USE: Closed

NATURE OF CONCERN: None

REGULATIONS:

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: F-NB-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Building 904-74G, acid-caustic solutions basin east of 200-F perimeter fence.

COORDINATES AND SIZE: (Outfall F-6 , Ref 1) North 78109.4 South 55346.8
(Northernmost corner)

INVENTORY OF CONTAMINANTS: H₂SO₄, Caustic Soda, Na, PO₄, SO₃, and SO₄

CURRENT USE: Receives water from miscellaneous drains from the Power facilities.

NATURE OF CONCERN: Overflow discharge outside of permissible pH limitations.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Plug influent lines to basin and abandoned when Project S-1964 is completed.

PRIORITY: Medium

Revision Date
EAPD: H-NB-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Building 904-75G, acid-caustic solution basin west of Building 244-F

COORDINATES AND SIZE: (Outfall H-12, Ref 1) North 78109.4 South 61331.2 (Northwest corner)

INVENTORY OF CONTAMINANTS: H₂SO₄, Caustic Soda, Na, PO₄, SO₃, and SO₄

CURRENT USE: Receives water from miscellaneous drains from the Power facilities.

NATURE OF CONCERN: Overflow discharge outside of permissible pH limitations.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Plug influent lines to basin and abandoned when Project S-1964 is completed.

PRIORITY: Medium

Revision Date
EAPD: P-NB-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Building 904-78G, acid-caustic solutions basin east of 100-P, on east side of Road F.

COORDINATES AND SIZE: (Outfall P-3 , Ref 1) , North 43540.6 South 66843.7 (Northwest corner)

INVENTORY OF CONTAMINANTS: H₂SO₄, Caustic Soda, Na, PO₄, SO₃, and SO₄

CURRENT USE: Receives water from miscellaneous drains from the Power facilities.

NATURE OF CONCERN: Overflow discharge outside of permissible pH limitations.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Plug influent lines to basin and abandoned when Project S-1964 is completed.

PRIORITY: Medium

Revision Date
EAPD: K-NB-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Building 904-80G, acid-caustic solutions basin east of Road 6-4.21, north of railroad track entering through 100-K perimeter fence.

COORDINATES AND SIZE: (Outfall K-3 , Ref 1) North 53185 South 42647
(Northwest corner)

INVENTORY OF CONTAMINANTS: H₂SO₄, Caustic Soda, Na, PO₄, SO₃, and SO₄

CURRENT USE: Receives water from miscellaneous drains from the Power facilities.

NATURE OF CONCERN: Overflow discharge outside of permissible pH limitations.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Plug influent lines to basin and abandoned when Project S-1964 is completed.

PRIORITY: Medium.

Revision Date: 8/4/83
EAPD: A-NW-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Nonprocess cooling water outfall to an unnamed tributary of Tims Branch.

LOCATION: Outfall A-3, located across Road 1A, southeast of cooling tower Building 785-A

INVENTORY: Frequently: Cl, Fe, Mg, oil and grease, and Zn. Infrequently: Cr and surfactants.

CURRENT USE: Discharge of internal sewers from Building 708-A Cafeteria and from A-Area chilled water facilities. Also storm drainage from the rear of Building 703-A and from around Building 789-A.

NATURE OF CONCERN: Possible contamination of stream.

REGULATIONS: Monitored under NPDES permit.

PROGRAM: Continue present program.

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Nonprocess cooling water outfall to an unnamed tributary of Tims Branch.

LOCATION: Outfall A-5, located outside of perimeter fence below southeast corner of Building 737-A.

INVENTORY: Frequently: Acetone, Na, NO₃, oil and grease, SO₃, trichloroethane. Infrequent: Acetate, acetonitrile, alcohols, B, benzine, chloroform, Cl, CO₃, ethylene diamine, F, Fe, formaldehyde, Hg, K, methylene chloride, Mg, Mn, NH₄, PO₄, SO₄, surfactants, toluene, triethylamine, U, xylene and Zn.

CURRENT USE: Discharge of internal sewers and storm drainage from 700 Area stores buildings, maintenance and T & T facilities, and SREL laboratories.

NATURE OF CONCERN: Possible contamination of stream.

REGULATIONS: Monitored under NPDES permit.

PROGRAM: Continue present program.

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-8

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Noncontact cooling water outfall to a Carolina Bay.

LOCATION: Outfall A-8, located outside perimeter fences southwest of Building 745-A and east of Building 784-A.

INVENTORY: Cooling water with infrequent discharges of caustic, Cl, Fe, Mg, Mn, Na, NO₃, PO₄, SO₃, SO₄, and Zn.

CURRENT USE: Discharge of cooling water from A-Area Power House and storm drainage.

NATURE OF CONCERN: Possible contamination of groundwater. This Carolina Bay discharges underground, there is no surface overflow.

REGULATIONS: Listed in the NPDES application but not regulated by the NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-9

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Normally dry storm water outfall to a Carolina Bay.

LOCATION: Outfall A-9, located outside perimeter fence east of Building 751-A.

INVENTORY: Rain water.

CURRENT USE: Storm runoff.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-11

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Nonprocess cooling water outfall to an unnamed tributary of Tims Branch which empties into the Savannah River.

LOCATION: Outfall A-11, located across railroad east of Building 716-A.

INVENTORY: Frequent: Ca, Cl, and CO₃. Infrequent: Fe, Mg, Mn, oil and grease, surfactants, and Zn. (Toluene has not been discharged in about 3 years.)

CURRENT USE: Internal sewers from T & T and Power and storm sewers from T & T and Power facilities.

NATURE OF CONCERN: Possible ground water contamination.

REGULATIONS: Monitored under the NPDES permit.

PROGRAM: Continue present program.

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-13

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Normally dry storm water outfall to an unnamed tributary of Tims Branch.

LOCATION: Outfall A-13, located near railroad embankment east of Building 607-1A.

INVENTORY: Rainwater

CURRENT USE: Stormwater runoff from tire storage building.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8-4-82
EAPD: A-NW-15

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Sanitary waste water sewer outfall to an unnamed tributary of Tims Branch.

LOCATION: Outfall A-15, located east of Building 607-1A.

INVENTORY: NO₃, organic nitrogen, P, and surfactants.

CURRENT USE: Discharge of sewage treatment plant effluent.

NATURE OF CONCERN: Possible contamination of groundwater.

REGULATIONS: Monitored under the NPDES permit.

PROGRAM: Continue present program.

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-17

ENVIRONMENTAL ACTION DATA PLAN

CUSTODIAN: Power Department

SITE: Normally dry storm water outfall.

LOCATION: Outfall A-17, A-NW-17

INVENTORY: Rainfall runoff

CURRENT USE: Drainage

NATURE OF CONCERN: Effluent seeps into ground.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-18

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE: Normally dry storm water outfall.

LOCATION: Outfall A-18, located west of Building 616-G.

INVENTORY: Rainfall runoff.

CURRENT USE: Drainage

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-19

ENVIRONMENTL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Storm water outfall which receives some x-ray photoprocessor washwater.

LOCATION: Outfall A-19, located west of Building 719-A parking lot, east of Building 616-G.

INVENTORY: Infrequent discharges of small amounts of acetate, Ag, Al, Br, Cl, Cr, Fe, formaldehyde, Mg, Mn, oil and grease, N, and Zn.

CURRENT USE: Storm drainage from Buildings 719-A, 720-A and from 703-A trailers . Effluent is also received from an internal sewer in Building 719-A.

NATURE OF CONCERN: Effluent seeps into ground.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-23

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Normally dry storm outfall.

LOCATION: Outfall A-23, located across SRP Road 1, north of Building 703-A.

INVENTORY: Rainfall runoff. Infrequent: Pb, oil and grease.

CURRENT USE: Drainage for Building 703-A parking lot.

NATURE OF CONCERN: Effluent seeps into ground.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-22

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Normally dry storm water outfall.

LOCATION: Outfall 22, located across SRP Road 1, northwest of Building 703-A.

INVENTORY: Rainfall runoff. Infrequent: Pb, oil and grease.

CURRENT USE: Drainage for Building 703-A parking lot.

NATURE OF CONCERN: Effluent seeps into ground.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/4/83
EAPD: A-NW-20

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Normally dry storm water outfall.

LOCATION: Outfall A-20, located north of north end of Building 719-A and northwest of west end of Building 703-A.

INVENTORY: Infrequent: Ag, Br, and organic nitrogen.

CURRENT USE: Drainage

NATURE OF CONCERN: Effluent seeps into ground.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date 8/4/83
EAPD: A-NW-21

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power

SITE: Normally dry storm water outfall.

LOCATION: Outfall A-21, located across SRP Road 1, northwest of Building 703-A.

INVENTORY: Rainfall runoff.

CURRENT USE: Drainage

NATURE OF CONCERN: Effluent seeps into ground.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: None

PRIORITY No action required.

Revision Date: 7/11/83
EAPD: P-NW-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: P-3, process sewer outfall, east of Road F and south of Pelton valve discharge basin, receives nonradioactive contaminants.

COORDINATES AND SIZE: N43618, E66944 is a point at the mouth of the outfall to an unnamed tributary of Par Pond.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, caustic soda, Cl, K, Na, PO₄, SO₃, SO₄ as external runoff from Power facilities.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: P-NW-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: P-4, outfall from Building 188-P ash disposal basin, at the northeast corner of the perimeter fence around Building 184-P, receives nonradioactive contaminants.

COORDINATES AND SIZE: N42977.5, E66321 is a point at the mouth of the outfall to an unnamed tributary of Meyers Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn from internal sewer from Building 188-P.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: P-NW-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: P-5, outfall from Building 188-P ash disposal basin, outside the P-Area perimeter fence and southeast of coal pile runoff basin, receives nonradioactive contaminants.

COORDINATES AND SIZE: N40360, E65250 is a point at the mouth of the outfall to an unnamed tributary of Meyers Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn from internal sewer from Building 188-P.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: P-NW-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: P-6, outfall from coal pile runoff basin, south of coal pile and outside the P-Area perimeter fence, receives nonradioactive contaminants.

COORDINATES AND SIZE: N41790, E65090 is a point at the mouth of the outfall to an unnamed tributary of Meyers Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Ci, Cu, F, Fe, Mg, Mn, Ni, SO₄, total P, Zn from internal sewers from coal pile.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: P-NW-7

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: P-7, a non-process cooling water and external runoff outfall outside the P-Area perimeter fence and northeast of the coal runoff basin, receives nonradioactive contaminants.

COORDINATES AND SIZE: N42340, E65275 is a point at the mouth of the outfall to an unnamed tributary of Meyers Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cl, K, Na, SO₃, SO₄, surfactants, Fe, Mg, oil and grease, PO₄, Zn from primarily Power facilities.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: P-NW-11

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: P-14, Pelton valve discharge basin overflow outfall outside the northeast corner of P-Area perimeter fence receives nonradioactive contaminants.

COORDINATES AND SIZE: N44790, E65592 is a point at the mouth of the outfall to an unnamed tributary of Par Pond.

INVENTORY OF CONTAMINANTS: Trace of Cl.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: K-NW-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: K-5, non-process cooling water outfall outside the K-Area perimeter fence, southeast from Building 185-K, receives nonradioactive contaminants.

COORDINATES AND SIZE: N52470, E40750 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl from Building 185-K cooling towers.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: K-NW-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: K-6, non-process cooling water and external runoff outfall outside the K-Area perimeter fence, southeast of Building 188-K and south of Road 6, receives nonradioactive contaminants.

COORDINATES AND SIZE: N51950, E39600 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cl, Cu, Fe, Mg, Mn, Na, Ni, oil and grease, SO₄, surfactants, An from Power facilities.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: K-NW-7

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: K-7, overflow outfall from a coal pile runoff basin, outside the K-Area perimeter fence and northwest of Building 188-K and northeast of Road 6, receives nonradioactive contaminants.

COORDINATES AND SIZE: N53555, E39125 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace quantities of Al, Cr, Cu, F, Fe, Mg, Mn, Ni, SO₄, total P, Zn.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: K-NW-11

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: K-16, Pelton valve discharge basin overflow outfall outside the K-Area perimeter fence, southeast of the Pelton valve basin and north of the "K" line from the river receives trace nonradioactive contaminants.

COORDINATES AND SIZE: N59592, E35732 is a point at the mouth of the outfall to an unnamed tributary of Indian Grave Branch.

INVENTORY OF CONTAMINANTS: Trace of Cl.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: C-NW-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: C-7, Pelton valve discharge basin overflow outfall outside the C-Area perimeter fence, southwest of the Pelton valve discharge basin and south of the "C" line from the river receives trace nonradioactive contaminants.

COORDINATES AND SIZE: N70436, E33108 is a point at the mouth of the outfall to an unnamed tributary of Upper Three Runs Creek.

INVENTORY OF CONTAMINANTS: The raw Savannah River water contains traces of Cl.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The input to the outfall is listed in the NPDES applicaton but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data documented. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

Revision Date: 7/11/83
EAPD: L-NW-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: L-4, outfall receives overflow from Building 904-79G (the storm water catch basin for the chemical storage tank areas at Building 183-2L). Nonradioactive contaminants will be in the overflow.

COORDINATES AND SIZE: N45224, E51246 is a point at the mouth of the outfall to an unnamed tributary of Steel Creek.

INVENTORY OF CONTAMINANTS: Trace quantities of Cl, caustic soda, Na, oil and grease, PO₄, SO₃, SO₄ from Building 183-2L.

CURRENT USE: Active

NATURE OF CONCERN: None

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: The outfall has been sampled and base data determined. The frequency of resampling, if any, will be established later.

PRIORITY: No action required.

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POWER FACILITIES ENVIRONMENTAL ACTION PLAN DATA

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Revision Date
EAPD: G-NW-29P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff area around Power facility 651-6G to an unnameo tributary of Lower Three Runs Creek.

COORDINATES AND SIZE: (Outfall PP-1, Ref. 1) Latitude 33⁰ 15' 04"
Longitude 81⁰ 33' 14"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-30P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff area for Power facilities 651-6G, 681-7G, 905-56G to an unnamed tributary of Lower Three Runs Creek.

COORDINATES AND SIZE: (Outfall PP-2, Ref. 1) Latitude 33^o 15' 03"
Longitude 81^o 33' 27"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: P-NW-31P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Internal drain from Power facility 681-7G to an unnamed tributary of Lower Three Runs Creek.

COORDINATES AND SIZE: (Outfall PP-3, Ref. 1) Latitude 33⁰ 15' 02"
Longitude 81⁰ 33' 28"

INVENTORY OF CONTAMINANTS: Grease and oil.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-32P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 652-10G, 726-1G, 905-72G to an unnamed tributary of Four Mile Creek.

COORDINATES AND SIZE: (Outfall S-2, Ref. 1) Latitude 33° 15' 10"
Longitude 81° 39' 28"

INVENTORY OF CONTAMINANTS: Oil and grease, Cl

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit. Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-33P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 681-10G, 905-71G to an unnamed tributary of Four Mile Creek.

COORDINATES AND SIZE: (Outfall S-6, Ref. 1) Latitude 33° 15' 00"
Longitude 81° 38' 53"

INVENTORY OF CONTAMINANTS: Oil and grease, Cl

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-35P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facility 752-5U to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: (Outfall T-2, Ref. 1) Latitude 33° 17' 28"
Longitude 81° 43' 28"

INVENTORY OF CONTAMINANTS: Possible oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-37P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facility 905-70G to a Carolina oay.

COORDINATES AND SIZE: (Outfall US-3, Ref. 1) Latitude 33⁰ 21' 42"
Longitude 81⁰ 41' 03"

INVENTORY OF CONTAMINANTS: Possible oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-39P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facility 652-13G to a storm sewer.

COORDINATES AND SIZE: (Outfall X5, Ref. 1) Latitude 33° 12' 39"
Longitude 81° 45' 39"

INVENTORY OF CONTAMINANTS: Possible oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-40P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facility 652-22G to a storm sewer.

COORDINATES AND SIZE: (Outfall X-11, Ref. 1) Latitude 33° 12' 44"
Longitude 81° 45' 37"

INVENTORY OF CONTAMINANTS: Possible oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-41P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities
652-14G, 652-15G, 675-G Emergency Generator, 652-18G to a storm water outfall.

COORDINATES AND SIZE: (Outfall X-7, Ref. 1) Latitude 33⁰ 12' 40"
Longitude 81⁰ 45' 40"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit. Listed in the NPDES application
but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-42P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities 652-5G, 652-19G to a sewer outfall.

COORDINATES AND SIZE: (Outfall X-12, Ref. 1) Latitude 33⁰ 12' 45"
Longitude 81⁰ 45' 35"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit. Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: C-NW-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-1C, 151-1C, 152-C, 152-2C, 152-3G, 184-1C, 190-C and 501-C to an unnamed tributary of Four Miles Creek.

COORDINATES AND SIZE: (Outfall C-1, Ref. 1) Latitude 33° 15' 12"
Longitude 81° 41' 00"

INVENTORY OF CONTAMINANTS: Cl, oil, grease, Po₄, So₃, So₄, and Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential violation of NPDES Permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: C-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-2C, 108-3C, 108-4C, 151-2C, 151-1C, 183-2C, 184-1C, 184-2C to an unnamed tributary of Four Miles Creek.

COORDINATES AND SIZE: (Outfall C-3, Ref. 1) Latitude 33° 14' 47"
Longitude 81° 40' 21"

INVENTORY OF CONTAMINANTS: Caustic soda, Cl, Na, Po₄, So₃, So₄, oil, grease, Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: C-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal chains from Power facilities, 183-2C, 184-4C, 186-C and 190-C to a process sewer outfall to Four Miles Creek.

COORDINATES AND SIZE: (Outfall C-4, Ref. 1) Latitude 33⁰ 14' 31"
Longitude 81⁰ 40' 21"

INVENTORY OF CONTAMINANTS: Caustic soda, Cl, Na, Po₄, So₃, So₄, oil, grease, and Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 151-2L, 183-2L, 183-4L to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall L-3, Ref 1) Latitude 33° 12' 54"
Longitude 81° 37' 14"

INVENTORY OF CONTAMINANTS: Al, Cl, Co₃, Caustic soda, Fe, K, Mg, Na, No₃, oil and grease, Po₄, So₃, So₄, and Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for discharge outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Internal drain from Power facility 183-2L to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall L-4, Ref. 1) Latitude 33° 12' 34"
Longitude 81° 37' 11"

INVENTORY OF CONTAMINANTS: Cl, Caustic soda, Na, oil and grease, Po₄,
So₃, So₄

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for discharge outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: P-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-2P, 108-3P, 151-2P, 152-P, 152-1P, 184-P, 185-P, to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall P-7, Ref. 1) Latitude 33° 13' 28"
Longitude 81° 34' 36"

INVENTORY OF CONTAMINANTS: Al, Cl, K, Na, So₃, So₄, Fe, Mg, oil and grease, Po₄, Zn

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill and discharge outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: P-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-1P, 151-1P, 152-P, 183-2P, 183-4P, 186-P, 190-P, 901-P to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall P-13, Ref. 1) Latitude 33° 13' 44"
Longitude 81° 35' 14"

INVENTORY OF CONTAMINANTS: Al, caustic soda, Cl, K, Na, Po₄, So₃, So₄, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill and discharge outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-1L, 108-2L, 151-1L, 183-2L, 190-L to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall L-8, Ref. 1) Latitude 33° 12' 27"
Longitude 81° 37' 34"

INVENTORY OF CONTAMINANTS: Al, Cl, Fe, Mg, No₃, oil and grease, Po₄, So₃, So₄, Zn

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facility 152-L to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall L-9, Ref. 1) Latitude 33° 12' 31"
Longitude 81° 37' 31"

INVENTORY OF CONTAMINANTS: Oil

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from power facilities 151-1L, 190-L, 501-L to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall L-10, Ref. 1) Latitude 33° 12' 32"
Longitude 81° 37' 34"

INVENTORY OF CONTAMINANTS: Oil

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 186-L, 901-L to an unnamed tributary of Pen Branch.

COORDINATES AND SIZE: (Outfall L-13, Ref. 1) Latitude 33^o 12' 46"
Longitude 81^o 37' 42"

INVENTORY OF CONTAMINANTS: Cl, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff of area around Power facility 901-K to an unnamed tributary of Indian Grove Branch.

COORDINATES AND SIZE: (Outfall K-2, Ref. 1) Latitude 33° 12' 59"
Longitude 81° 39' 46"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Internal sewer drains from Power facility 183-2K to an unnamed tributary of Pen Branch.

COORDINATES AND SIZE: (Outfall K-3, Ref. 1) Latitude 33° 12' 48"
Longitude 81° 39' 26"

INVENTORY OF CONTAMINANTS: Caustic soda, Cl, Na, Po₄, So₃ and Po₄.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for discharge outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Internal drain from Power facility 185-K to an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall K-5, Ref. 1) Latitude 33° 12' 30"
Longitude 81° 39' 41"

INVENTORY OF CONTAMINANTS: C1

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for discharge outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-3K, 151-2K, 184-K, 185-K to an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall K-6, Ref. 1) Latitude 33° 12' 48"
Longitude 81° 39' 26"

INVENTORY OF CONTAMINANTS: Al, Cl, Cu, Fe, Mg, Mn, Na, Ni, oil and grease, So₄, Surfactants, Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-2K, 108-4K, 152-1K to an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall K-8, Ref. 1) Latitude 33° 12' 34"
Longitude 81° 39' 59"

INVENTORY OF CONTAMINANTS: Cl, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities 251-H, 252-9H to and unnamed tributary of Upper Three Runs.

COORDINATES AND SIZE: (Outfall H-3, Ref. 1) Latitude 33^o 12' 48"
Longitude 81^o 39' 26"

INVENTORY OF CONTAMINANTS: Oil

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities 252-3H, 252-5H, 905-45H and 905-48H.

COORDINATES AND SIZE: (Outfall H-7, Ref. 1) Latitude 33⁰ 17' 16"
Longitude 81⁰ 38' 03"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from around Power facility 252-7H into a storm runoff to a lined basin.

COORDINATES AND SIZE: (Outfall H-10, Ref. 1) Latitude 33° 16' 55"
Longitude 81° 38' 55"

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from around Power facility 242-FH to sewer runoff to a seepage basin.

COORDINATES AND SIZE: (Outfall H-13, Ref. 1) Latitude 33° 16' 58"
Longitude 81° 39' 08"

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities, 452-6D, 483-2D, 484-D, 484-2D, and 485-D to Beaver Creek.

COORDINATES AND SIZE: (Outfall D-1, Ref. 1) Latitude 33° 11' 24"
Longitude 81° 44' 37"

INVENTORY OF CONTAMINANTS: Caustic soda, Cl, Po₄, So₃, So₄, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and drains from Power facility 683-D.

COORDINATES AND SIZE: (Outfall D-4, Ref. 1) Latitude 33° 12' 05"
Longitude 81° 44' 33"

INVENTORY OF CONTAMINANTS: C1

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: None.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Back wash surge basin, Building 483-6D.

COORDINATES AND SIZE: (Outfall D-5, Ref. 1) Latitude 33^o 12' 06"
Longitude 81^o 44' 34"

INVENTORY OF CONTAMINANTS: Suspended solids.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for excess of suspended solids.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities, 451-D, 451-1D, 452-2D, 452-3D, 480-2D, 483-2D, 484-D, 484-4D, 485-D and 501-D into an unnamed tributary of Beam Creek.

COORDINATES AND SIZE: (Outfall D-6, Ref. 1) Latitude 33° 12' 12"
Longitude 81° 44' 38"

INVENTORY OF CONTAMINANTS: Oil and grease, caustic soda, Org. N, PO₄, SO₃, Cl, Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill and discharge outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drain from Power facilities 503-1A, 752-5A, 752-6A, 752-7A, 752-12A, 752-15A, 752-19A and 752-26A.

COORDINATES AND SIZE: (Outfall A-1, Ref. 1) Latitude 33° 20' 48"
Longitude 81° 44' 00"

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drain from Power facilities 780-2A, 785-A and 789-A.

COORDINATES AND SIZE: (Outfall A-3, Ref. 1) Latitude 33° 20' 41"
Longitude 81° 43' 04"

INVENTORY OF CONTAMINANTS: Cl, oil and grease, So₃

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 752-9A, 752-17A, 752-20A and 905-53A to an unnamed tributary of Tims Branch.

COORDINATES AND SIZE: (Outfall A-5, Ref. 1) Latitude 33° 20' 38"
Longitude 81° 44' 01"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 782-A and 784-A to a Carolina Bay.

COORDINATES AND SIZE: (Outfall A-8, Ref. 1) Latitude 33° 20' 22"
Longitude 81° 44' 00"

INVENTORY OF CONTAMINANTS: Caustic soda, Cl, Fe, Mg, Mn, Na, No₃, So₃, So₄, Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for groundwater contamination.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 751-A, 751-2A, and 780-1A to an unnamed tributary of Tims Branch.

COORDINATES AND SIZE: (Outfall A-11, Ref. 1) Latitude 33° 20' 08"
Longitude 81° 43' 53"

INVENTORY OF CONTAMINANTS: Ca, Cl, Co₃, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit. Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities, 352-1M, 352-2M, 352-3M, 352-4M, and 352-6M to an unnamed tributary of Tims Branch.

COORDINATES AND SIZE: (Outfall A-14, Ref. 1) Latitude 33° 19' 59"
Longitude 81° 44' 00"

INVENTORY OF CONTAMINANTS: Oil

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities, 752-8A and 752-23A effluent seeps into ground.

COORDINATES AND SIZE: (Outfall A-12, Ref. 1) Latitude 33° 20' 46"
Longitude 81° 44' 28"

INVENTORY OF CONTAMINANTS: Oil

CURRENT USE: None.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in NPDES permit application but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-34P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff area from Power facility 905-60U to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: (Outfall T-1, Ref. 1) Latitude 33° 17' 30"
Longitude 81° 43' 36"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-36P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities 752-U, 752-1U, 754-2U, 785-U, 781-1U, 789-U.

COORDINATES AND SIZE: (Outfall T-5, Ref. 1) Latitude 33° 17' 14"
Longitude 81° 43' 17"

INVENTORY OF CONTAMINANTS: Cl, oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-38P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facility 781-1G to a Carolina bay.

COORDINATES AND SIZE: (Outfall US-5, Ref. 1) Latitude 33° 21' 44"
Longitude 81° 41' 08"

INVENTORY OF CONTAMINANTS: Well water.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff drains from Power facilities, 451-D, 483-D, 483-3D, 484-D, 484-2D, 607-2D and 607-12D to an unnamed tributary of the Savannah River.

COORDINATES AND SIZE: (Outfall D-3, Ref. 1) Latitude 33° 12' 04"
Longitude 81° 44' 30"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff of drains from Power facility
683-D to Beaver Creek.

COORDINATES AND SIZE: (Outfall D-7, Ref. 1) Latitude 33° 12' 8"
Longitude 81° 44' 40"

INVENTORY OF CONTAMINANTS: Cl

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for discharge outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: F-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff of drains from Power facilities, 252-2F, 252-3F, 252-5F and 254-5F to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: (Outfall F-2 , Ref. 1) Latitude 33^o 17' 30"
Longitude 81^o 40' 52"

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: F-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff of drains from Power facilities 252-6F, 252-20F and 254-4F to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: (Outfall F-3, Ref. 1) Latitude 33^o 17' 29"
Longitude 81^o 40' 40"

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-41P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities
652-14G, 652-15G, 675-G Emergency Generator, 652-18G to a storm water outfall.

COORDINATES AND SIZE: (Outfall X-7, Ref. 1) Latitude 33⁰ 12' 40"
Longitude 81⁰ 45' 40"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit. Listed in the NPDES application
but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-42P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities 652-5G, 652-19G to a sewer outfall.

COORDINATES AND SIZE: (Outfall X-12, Ref. 1) Latitude 33⁰ 12' 45"
Longitude 81⁰ 45' 35"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit. Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: C-NW-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-1C, 151-1C, 152-C, 152-2C, 152-3G, 184-1C, 190-C and 501-C to an unnamed tributary of Four Miles Creek.

COORDINATES AND SIZE: (Outfall C-1, Ref. 1) Latitude 33° 15' 12"
Longitude 81° 41' 00"

INVENTORY OF CONTAMINANTS: Cl, oil, grease, Po₄, So₃, So₄, and Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential violation of NPDES Permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: C-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-2C, 108-3C, 108-4C, 151-2C, 151-1C, 183-2C, 184-1C, 184-2C to an unnamed tributary of Four Miles Creek.

COORDINATES AND SIZE: (Outfall C-3, Ref. 1) Latitude 33° 14' 47"
Longitude 81° 40' 21"

INVENTORY OF CONTAMINANTS: Caustic soda, Cl, Na, Po₄, So₃, So₄, oil, grease, Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: C-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal chains from Power facilities, 183-2C, 184-4C, 186-C and 190-C to a process sewer outfall to Four Miles Creek.

COORDINATES AND SIZE: (Outfall C-4, Ref. 1) Latitude 33⁰ 14' 31"
Longitude 81⁰ 40' 21"

INVENTORY OF CONTAMINANTS: Caustic soda, Cl, Na, Po₄, So₃, So₄, oil, grease, and Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 151-2L, 183-2L, 183-4L to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall L-3, Ref 1) Latitude 33° 12' 54"
Longitude 81° 37' 14"

INVENTORY OF CONTAMINANTS: Al, Cl, Co₃, Caustic soda, Fe, K, Mg, Na, No₃, oil and grease, Po₄, So₃, So₄, and Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for discharge outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Internal drain from Power facility 183-2L to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall L-4, Ref. 1) Latitude 33° 12' 34"
Longitude 81° 37' 11"

INVENTORY OF CONTAMINANTS: Cl, Caustic soda, Na, oil and grease, Po₄,
So₃, So₄

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for discharge outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: P-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-2P, 108-3P, 151-2P, 152-P, 152-1P, 184-P, 185-P, to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall P-7, Ref. 1) Latitude 33° 13' 28"
Longitude 81° 34' 36"

INVENTORY OF CONTAMINANTS: Al, Cl, K, Na, So₃, So₄, Fe, Mg, oil and grease, Po₄, Zn

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill and discharge outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: P-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-1P, 151-1P, 152-P, 183-2P, 183-4P, 186-P, 190-P, 901-P to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall P-13, Ref. 1) Latitude 33° 13' 44"
Longitude 81° 35' 14"

INVENTORY OF CONTAMINANTS: Al, caustic soda, Cl, K, Na, Po₄, So₃, So₄, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill and discharge outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-1L, 108-2L, 151-1L, 183-2L, 190-L to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall L-8, Ref. 1) Latitude 33° 12' 27"
Longitude 81° 37' 34"

INVENTORY OF CONTAMINANTS: Al, Cl, Fe, Mg, No₃, oil and grease, Po₄, So₃, So₄, Zn

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facility 152-L to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall L-9, Ref. 1) Latitude 33° 12' 31"
Longitude 81° 37' 31"

INVENTORY OF CONTAMINANTS: Oil

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from power facilities 151-L, 190-L, 501-L to an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall L-10, Ref. 1) Latitude 33° 12' 32"
Longitude 81° 37' 34"

INVENTORY OF CONTAMINANTS: Oil

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 186-L, 901-L to an unnamed tributary of Pen Branch.

COORDINATES AND SIZE: (Outfall L-13, Ref. 1) Latitude 33^o 12' 46"
Longitude 81^o 37' 42"

INVENTORY OF CONTAMINANTS: Cl, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff of area around Power facility 901-K to an unnamed tributary of Indian Grove Branch.

COORDINATES AND SIZE: (Outfall K-2, Ref. 1) Latitude 33° 12' 59"
Longitude 81° 39' 46"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Internal sewer drains from Power facility 183-2K to an unnamed tributary of Pen Branch.

COORDINATES AND SIZE: (Outfall K-3, Ref. 1) Latitude 33° 12' 48"
Longitude 81° 39' 26"

INVENTORY OF CONTAMINANTS: Caustic soda, Cl, Na, Po₄, So₃ and Po₄.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for discharge outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Internal drain from Power facility 185-K to an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall K-5, Ref. 1) Latitude 33° 12' 30"
Longitude 81° 39' 41"

INVENTORY OF CONTAMINANTS: C1

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for discharge outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-3K, 151-2K, 184-K, 185-K to an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall K-6, Ref. 1) Latitude 33° 12' 48"
Longitude 81° 39' 26"

INVENTORY OF CONTAMINANTS: Al, Cl, Cu, Fe, Mg, Mn, Na, Ni, oil and grease, So₄, Surfactants, Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-2K, 108-4K, 152-1K to an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall K-8, Ref. 1) Latitude 33° 12' 34"
Longitude 81° 39' 59"

INVENTORY OF CONTAMINANTS: Cl, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities 251-H, 252-9H to and unnamed tributary of Upper Three Runs.

COORDINATES AND SIZE: (Outfall H-3, Ref. 1) Latitude 33° 12' 48"
Longitude 81° 39' 26"

INVENTORY OF CONTAMINANTS: Oil

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities 252-3H, 252-5H, 905-45H and 905-48H.

COORDINATES AND SIZE: (Outfall H-7, Ref. 1) Latitude 33⁰ 17' 16"
Longitude 81⁰ 38' 03"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from around Power facility 252-7H into a storm runoff to a lined basin.

COORDINATES AND SIZE: (Outfall H-10, Ref. 1) Latitude 33° 16' 55"
Longitude 81° 38' 55"

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from around Power facility 242-FH to sewer runoff to a seepage basin.

COORDINATES AND SIZE: (Outfall H-13, Ref. 1) Latitude 33° 16' 58"
Longitude 81° 39' 08"

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities, 452-6D, 483-2D, 484-D, 484-2D, and 485-D to Beaver Creek.

COORDINATES AND SIZE: (Outfall D-1, Ref. 1) Latitude 33° 11' 24"
Longitude 81° 44' 37"

INVENTORY OF CONTAMINANTS: Caustic soda, Cl, Po₄, So₃, So₄, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and drains from Power facility 683-D.

COORDINATES AND SIZE: (Outfall D-4, Ref. 1) Latitude 33° 12' 05"
Longitude 81° 44' 33"

INVENTORY OF CONTAMINANTS: C1

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: None.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Back wash surge basin, Building 483-6D.

COORDINATES AND SIZE: (Outfall D-5, Ref. 1) Latitude 33^o 12' 06"
Longitude 81^o 44' 34"

INVENTORY OF CONTAMINANTS: Suspended solids.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for excess of suspended solids.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities, 451-D, 451-1D, 452-2D, 452-3D, 480-2D, 483-2D, 484-D, 484-4D, 485-D and 501-D into an unnamed tributary of Beam Creek.

COORDINATES AND SIZE: (Outfall D-6, Ref. 1) Latitude 33° 12' 12"
Longitude 81° 44' 38"

INVENTORY OF CONTAMINANTS: Oil and grease, caustic soda, Org. N, PO₄, SO₃, Cl, Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill and discharge outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drain from Power facilities 503-1A, 752-5A, 752-6A, 752-7A, 752-12A, 752-15A, 752-19A and 752-26A.

COORDINATES AND SIZE: (Outfall A-1, Ref. 1) Latitude 33° 20' 48"
Longitude 81° 44' 00"

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drain from Power facilities 780-2A, 785-A and 789-A.

COORDINATES AND SIZE: (Outfall A-3, Ref. 1) Latitude 33° 20' 41"
Longitude 81° 43' 04"

INVENTORY OF CONTAMINANTS: Cl, oil and grease, So₃

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 752-9A, 752-17A, 752-20A and 905-53A to an unnamed tributary of Tims Branch.

COORDINATES AND SIZE: (Outfall A-5, Ref. 1) Latitude 33° 20' 38"
Longitude 81° 44' 01"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 782-A and 784-A to a Carolina Bay.

COORDINATES AND SIZE: (Outfall A-8, Ref. 1) Latitude 33° 20' 22"
Longitude 81° 44' 00"

INVENTORY OF CONTAMINANTS: Caustic soda, Cl, Fe, Mg, Mn, Na, No₃, So₃, So₄, Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for groundwater contamination.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 751-A, 751-2A, and 780-1A to an unnamed tributary of Tims Branch.

COORDINATES AND SIZE: (Outfall A-11, Ref. 1) Latitude 33° 20' 08"
Longitude 81° 43' 53"

INVENTORY OF CONTAMINANTS: Ca, Cl, Co₃, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for violation of NPDES permit.

REGULATIONS: Clean water acts/NPDES Permit. Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities, 352-1M, 352-2M, 352-3M, 352-4M, and 352-6M to an unnamed tributary of Tims Branch.

COORDINATES AND SIZE: (Outfall A-14, Ref. 1) Latitude 33° 19' 59"
Longitude 81° 44' 00"

INVENTORY OF CONTAMINANTS: Oil

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NW-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities, 752-8A and 752-23A effluent seeps into ground.

COORDINATES AND SIZE: (Outfall A-12, Ref. 1) Latitude 33° 20' 46"
Longitude 81° 44' 28"

INVENTORY OF CONTAMINANTS: Oil

CURRENT USE: None.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in NPDES permit application but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-34P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff area from Power facility 905-60U to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: (Outfall T-1, Ref. 1) Latitude 33° 17' 30"
Longitude 81° 43' 36"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-36P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities 752-U, 752-1U, 754-2U, 785-U, 781-1U, 789-U.

COORDINATES AND SIZE: (Outfall T-5, Ref. 1) Latitude 33° 17' 14"
Longitude 81° 43' 17"

INVENTORY OF CONTAMINANTS: Cl, oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-38P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facility 781-1G to a Carolina bay.

COORDINATES AND SIZE: (Outfall US-5, Ref. 1) Latitude 33° 21' 44"
Longitude 81° 41' 08"

INVENTORY OF CONTAMINANTS: Well water.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff drains from Power facilities, 451-D, 483-D, 483-3D, 484-D, 484-2D, 607-2D and 607-12D to an unnamed tributary of the Savannah River.

COORDINATES AND SIZE: (Outfall D-3, Ref. 1) Latitude 33° 12' 04"
Longitude 81° 44' 30"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff of drains from Power facility
683-D to Beaver Creek.

COORDINATES AND SIZE: (Outfall D-7, Ref. 1) Latitude 33° 12' 8"
Longitude 81° 44' 40"

INVENTORY OF CONTAMINANTS: Cl

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for discharge outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: F-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff of drains from Power facilities, 252-2F, 252-3F, 252-5F and 254-5F to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: (Outfall F-2 , Ref. 1) Latitude 33^o 17' 30"
Longitude 81^o 40' 52"

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: F-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff of drains from Power facilities 252-6F, 252-20F and 254-4F to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: (Outfall F-3, Ref. 1) Latitude 33^o 17' 29"
Longitude 81^o 40' 40"

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: F-NW-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 235-1F, 252-8F, 252-20F, 285-F, and 707-1F to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: (Outfall F-5, Ref. 1) Latitude 33° 17' 27"
Longitude 81° 40' 27"

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: F-NW-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 252-4F, 252-6F, 252-7F, 252-14F, 254-F, 280-1F, 905-37F, 905-39F, 905-49F, 282-F, 283-F, 284-F, and 285-F to an unnamed tributary of Four Mile Creek.

COORDINATES AND SIZE: (Outfall F-8, Ref. 1) Latitude 33° 16' 50"
Longitude 81° 40' 14"

INVENTORY OF CONTAMINANTS: Cl, Cu, oil and grease, Org. N, Org. P, surfactants.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill and outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff from Power facilities 252-8H, 252-11H and 252-13H to an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: (Outfall H-2, Ref. 1) Latitude 33⁰ 17' 18"
Longitude 81⁰ 38' 49" *

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater run off and internal drains from Power facilities 284-H, 285-H, 285-3H, 901-H and 905-43H to an unnamed tributary of Four Mile Creek.

COORDINATES AND SIZE: (Outfall H-8, Ref. 1) Latitude 33° 16' 53"
Longitude 81° 38' 45"

INVENTORY OF CONTAMINANTS: Caustic soda, Cr, Mo, Na, NH₄, PO₄, SO₃, SO₄.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities, 151-1K, 151-2K, 501-K to an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall K-1, Ref. 1) Latitude 33^o 12' 55"
Longitude 81^o 39' 58"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: R-NW-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-1R, 183-1R, 183-2R, 186-R, 190-R to an unnamed tributary of Lower Three Runs Creek.

COORDINATES AND SIZE: (Outfall R-1, Ref. 1) Latitude 33° 16' 56"
Longitude 81° 34' 39"

INVENTORY OF CONTAMINANTS: Al, Caustic soda, Cr, Fe, K, Mg, Mn, Na, No₃, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: R-NW-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 108-2R, 108-3R, 151-2R, 181-R, 183-2R, Chlorine Building to an unnamed tributary of Lower Three Runs Creek.

COORDINATES AND SIZE: (Outfall R-3, Ref. 1) Latitude 33° 16' 05"
Longitude 81° 34' 29"

INVENTORY OF CONTAMINANTS: Al, Caustic soda, Cl, No₃, oil and grease, Po₄, So₄

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: P-NW-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff of Power facility 186-P to an unnamed tributary of Par Pond.

COORDINATES AND SIZE: (Outfall P-1 , Ref. 1) Latitude 33^o 13' 56"
Longitude 81^o 34' 47"

INVENTORY OF CONTAMINANTS: Cl

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for discharge outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Internal drains from Power facilities 183-2L, 186-L to and unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall L-7, Ref. 1) Latitude 33^o 12' 04"
Longitude 81^o 37' 19"

INVENTORY OF CONTAMINANTS: Al, Caustic soda, Cl, Co₃, Fe, K, Mg, Na, NO₃, Oil and grease, Org. N, Org. Po₄, So₄

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for outside permissible pH limits.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal drains from Power facilities 151-2K, 183-2K, 183-4K, 184-K to an unnamed tributary of Pen Branch.

COORDINATES AND SIZE: (Outfall K-4, Ref. 1) Latitude 33° 12' 38"
Longitude 81° 39' 26"

INVENTORY OF CONTAMINANTS: Oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Listed in the NPDES application but not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-12P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Internal drains from Power facilities 183-2K, 183-4K, 186 to a process sewer outfall to Indian Grave Branch.

COORDINATES AND SIZE: (Outfall K-11, Ref. 1) Latitude 33° 12' 39"
Longitude 81° 40' 33"

INVENTORY OF CONTAMINANTS: Al, caustic soda, Cl, Na, Po₄, So₃, So₄, oil and grease.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill and outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-13P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Internal drains from Power facilities 108-1K, 183-2K, 183-4K to an unnamed tributary of Indian Grove Branch.

COORDINATES AND SIZE: (Outfall K-12, Ref. 1) Latitude 33° 12' 42"
Longitude 81° 40' 33"

INVENTORY OF CONTAMINANTS: Al, Cl, Co₃, Fe, Mg, Na, No₃, oil and grease, Po₄, So₃, So₄, Zn.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill and outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-14P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Rainwater runoff and internal sewer drains from Power facilities 108-K, 190-K to an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall K-10, Ref. 1) Latitude 33° 12' 38"
Longitude 81° 40' 05"

INVENTORY OF CONTAMINANTS: Oil and grease, Cl

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-42P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Internal sewer drains from Power facilities 905-13G, 679-G to non process waste water outfall.

COORDINATES AND SIZE: (Outfall X-8, Ref. 1) Latitude 33° 12' 38"
Longitude 81° 45' 45"

INVENTORY OF CONTAMINANTS: Cl, Al, Co₃, Na, NH₄, No₃, SiO₃, Po₄,
So₄.

CURRENT USE: Miscellaneous drains from Power facilities.

NATURE OF CONCERN: Potential for oil spill and outside permissible pH limits.

REGULATIONS: Clean water acts/NPDES Permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

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ENVIRONMENTAL ACTION PLANT DATA
BOILERS

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Revision Date
EAPD: A-NA-12P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 1 Boiler at 784-A.

COORDINATES AND SIZE: 784-A; 60,000 pph steam @ 325 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃^{*}, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 3/700 Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-263.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: A-NA-13P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 2 Boiler at 784-A.

COORDINATES AND SIZE: 784-A, 60,000 pph steam @ 325 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 3/700 Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-264.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: C-NA-13P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 1 Boiler at 184-C.

COORDINATES AND SIZE: 184-C, 35,000 pph @ 325 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 100-C Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-265.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: C-NA-14P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 2 Boiler at 184-C.

COORDINATES AND SIZE: 184-C, 35,000 pph @ 325 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 100-C Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-266.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: D-NA-13P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 1 Boiler at 484-D.

COORDINATES AND SIZE: 484-D, 330,000 pph @ 885 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 400-D Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-267.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: D-NA-14P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 2 Boiler at 484-D.

COORDINATES AND SIZE: 484-D 330,000 pph @ 885 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 400-D Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-268.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: D-NA-15P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 3 Boiler at 484-D.

COORDINATES AND SIZE: 484-D 330,000 pph @ 885 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 400-D Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-269.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: D-NA-16P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 4 Boiler at 484-D.

COORDINATES AND SIZE: 484-D 330,000 pph @ 885 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 400-D Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-270.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: F-NA-16P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 1 boiler at 284-F.

COORDINATES AND SIZE: 284-F 60,000 pph @ 325 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 200-F Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-271.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: F-NA-17P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 2 Boiler at 284-F.

COORDINATES AND SIZE: 284-F 60,000 pph @ 325 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 200-F Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-272.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: F-NA-18P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 3 boiler at 284-F.

COORDINATES AND SIZE: 284-F 60,000 pph @ 325 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 200-F Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-273.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: F-NA-19P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 4 boiler at 284-F.

COORDINATES AND SIZE: 284-F 60,000 pph @ 325 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 200-F Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-274.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: H-NA-19P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 1 boiler at 284-H.

COORDINATES AND SIZE: 284-H 60,000 pph @ 325 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 200-H Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-275.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: H-NA-20P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 2 boiler at 284-H.

COORDINATES AND SIZE: 284-H 60,000 pph @ 325 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 200-H Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-276.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: H-NA-21P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 3 boiler at 284-H.

COORDINATES AND SIZE: 284-H 60,000 pph @ 325 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 200-H Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-277.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: K-NA-19P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 1 boiler at 184-K.

COORDINATES AND SIZE: 184-K 140,000 pph @ 625 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 100-K Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-278.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: K-NA-20P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 2 boiler at 184-K.

COORDINATES AND SIZE: 184-K 140,000 pph @ 625 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 100-K Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-279.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: P-NA-12P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 1 boiler at 184-P.

COORDINATES AND SIZE: 184-P 140,000 pph @ 625 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 100-P Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-280.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: P-NA-13P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: No. 2 boiler at 184-P.

COORDINATES AND SIZE: 184-P 140,000 pph @ 625 psig.

INVENTORY OF CONTAMINANTS: SO₂, SO₃, SO₄, and particulates

CURRENT USE: Supply heating and process steam to 100-P Area.

NATURE OF CONCERN: None

REGULATIONS: Clean air act, SCDHEC permit no. O/P-02-281.

PRIORITY: No action required.

PROGRAM: No action required.

ENVIRONMENTAL ACTION PLAN DATA
DIESEL GENERATORS

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Revision Date
EAPD: A-NA-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency generator for 773-A.

COORDINATES AND SIZE: 400 kW diesel generator located in the lower level of 773-A.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Provide emergency power to 773-A.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: M-NA-IP

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 320-M.

COORDINATES AND SIZE: 150 kW generator in 320-M basement.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 320-M.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: L-NA-14P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven generators for Reactor moderator pumps.

COORDINATES AND SIZE: Four 103 kW generators located in 108-2L.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Provide backup for A/C motor drives on moderator pump.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: L-NA-13P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven generators for Reactor moderator pumps.

COORDINATES AND SIZE: Four 103 kW generators located in 108-1L.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Provide backup for A/C motor drives on moderator pumps.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: P-NA-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven generators for Reactor moderator pumps.

COORDINATES AND SIZE: Four 103 kW generators located in 108-2P.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Provide backup for A/C motor drives on moderator pumps.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: P-NA-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven generators for Reactor moderator pumps.

COORDINATES AND SIZE: Four 103 kW generators located in 108-1P.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Provide backup for A/C motor drives on moderator pumps.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: K-NA-18P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven generators for Reactor moderator pumps.

COORDINATES AND SIZE: Four 103 kW generators located in 108-2K.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Provide backup for A/C motor drives on moderator pumps.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: K-NA-17P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven generators for Reactor moderator pumps.

COORDINATES AND SIZE: Four 103 kW generators located in 108-1K.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Provide backup for A/C motor drives on moderator pumps.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: C-NA-12P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven generators for Reactor moderator pumps.

COORDINATES AND SIZE: Four 103 kW generators located in 108-2C.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Provide backup for A/C motor drives on moderator pumps.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: C-NA-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven generators for Reactor moderator pumps.

COORDINATES AND SIZE: Four 103 kW generators located in 108-1C.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Provide backup for A/C motor drives on moderator pumps.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: L-NA-12P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 105-L.

COORDINATES AND SIZE: 1000 kW generator located in 108-2L.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 105-L Building.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: L-NA-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 105-L.

COORDINATES AND SIZE: 1000 kW generator located in 108-1L.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 105-L Building.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: P-NA-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 105-P.

COORDINATES AND SIZE: 1000 kW generator located in 108-2P.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 105-P Building.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: P-NA-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 105-P.

COORDINATES AND SIZE: 1000 kW generator located in 108-1P.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 105-P Building.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: K-NA-16P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 105-K.

COORDINATES AND SIZE: 1000 kW generator located in 108-2K.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 105-K Building.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: K-NA-15P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 105-K.

COORDINATES AND SIZE: 1000 kW generator located in 108-1K.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 105-K Building.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: C-NA-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 105-C.

COORDINATES AND SIZE: 1000 kW generator located in 108-2C.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 105-C Building.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: C-NA-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 105-C.

COORDINATES AND SIZE: 1000 kW generator located in 108-1C.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 105-C Building.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: D-NA-12P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator.

COORDINATES AND SIZE: 150 kW generator located at 501-D (between Laboratory and Maintenance shop).

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to area fence and street lighting.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: H-NA-18P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven deep well pump.

COORDINATES AND SIZE: 905-87H

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Emergency well water supply to H Area.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: F-NA-15P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven deep well pump.

COORDINATES AND SIZE: 905-100F

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Emergency well water supply to F Area.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: F-NA-14P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven deep well pump.

COORDINATES AND SIZE: 905-37F Well.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Emergency well water supply to F Area.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: F-NA-13P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency generator for 292-F and 221-F.

COORDINATES AND SIZE: 600 kW generator located in 292-F.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 292-F and 221-F.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: F-NA-12P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency generator for 235-F.

COORDINATES AND SIZE: 350 kW generator located at 254-2F.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 235-F.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: F-NA-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency generator for 221-F.

COORDINATES AND SIZE: 600 kW generator located in section 1, 221-F.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 221-F.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: H-NA-17P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 299-H.

COORDINATES AND SIZE: 200 kW generator located east of 299-H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 299-H.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: H-NA-16P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 292-H.

COORDINATES AND SIZE: 600 kW generator in 292-H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency power to 292-H and 221-H.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: H-NA-15P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for Waste Management facilities.

COORDINATES AND SIZE: 250 kW generator in 254-1H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency electrical power to the waste tank farm.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: H-NA-14P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 241-49H compressor house.

COORDINATES AND SIZE: 500 kW generator in 254-H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency electrical power to 241-49H.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: H-NA-13P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 234-H addition.

COORDINATES AND SIZE: 200 kW generator in 234-4H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency electrical power to 234-H addition.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: H-NA-12P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 234-H.

COORDINATES AND SIZE: 300 kW generator on south end of 234-H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency electrical power to 234-H.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: H-NA-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator for 232-H.

COORDINATES AND SIZE: 300 kW generator in basement of 232-H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency electrical power to 232-H.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

Revision Date
EAPD: H-NA-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Diesel driven emergency Power generator in 221-H.

COORDINATES AND SIZE: 600 kW generator in section 1, 221-H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supply emergency electrical power to critical operations in 221-H.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean air act, SCDHEC permit

PRIORITY: High

PROGRAM: Apply for required permit.

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Revision Date
EAPD: G-NB-1P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to building 178-P Pelton valve house into an unnamed tributary of Four Miles Creek.

COORDINATES AND SIZE: (Outfall P-18, Ref. 1) N60400 E35800

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-2P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 404-P Pelton valve house into an unnamed tributary of Pen Branch Creek.

COORDINATES AND SIZE: (Outfall P-17, Ref 1) N058800 E37400

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 286-P Pelton valve house into an unnamed tributary of Pen Branch Creek.

COORDINATES AND SIZE: (Outfall P-16, Ref 1) N53600 E44200

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PRIORITY: No action required.

PROGRAM: No action required.

Revision Date
EAPD: G-NB-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 404-P Pelton valve house into a unnamed tributary of Pen Branch Creek.

COORDINATES AND SIZE: (Outfall P-15, Ref 1) E53800 N47600

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling basin near Building 521-P Pelton valve house into a unnamed tributary of Par Pond.

COORDINATES AND SIZE: (Outfall P-14, Ref 1) Adjacent to 100-P Area main vehicle parking lot.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-6P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from settling/seepage basin adjacent to Building 130-C Pelton valve house into an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: (Outfall L-7, Ref 1) E33400 N70400

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-7P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 173-K Pelton valve house into an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall K-16, Ref 1) N59600 E35400

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 176-L Pelton valve house into an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall L-15, Ref 1) E42600 N54800

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-9P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 209-L Pelton valve house into an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall L-16, Ref 1) N57600 N58000

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-10P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 253-L Pelton valve house into an unnamed tributary of Indian Grave Branch.

COORDINATES AND SIZE: (Outfall L-17, Ref 1) N60000 E35800

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 532-R Pelton valve house into an unnamed tributary of Steel Creek.

COORDINATES AND SIZE: (Outfall R-5, Ref 1) N58400 E70600

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-12P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 471-R Pelton valve house into an unnamed tributary of Four Miles Creek.

COORDINATES AND SIZE: (Outfall R-6, Ref 1) N60400 E64600

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-13P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 390-R Pelton valve house into an unnamed tributary of Four Miles Creek.

COORDINATES AND SIZE: (Outfall R-7, Ref 1) N57800 E64000

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-14P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 363-R Pelton valve house into an unnamed tributary of Four Miles Creek.

COORDINATES AND SIZE: (Outfall R-8, Ref 1) N65200 E55400

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-15P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 279-R Pelton valve house into an unnamed tributary of Four Miles Creek.

COORDINATES AND SIZE: (Outfall R-9, Ref 1) E47800 N68800

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NB-16P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Overflow from a settling/seepage basin adjacent to Building 130-R Pelton valve house into an unnamed tributary of Upper Three Runs Creek.

COORDINATES AND SIZE: (Outfall R-10, Ref 1) N33000 N71200

INVENTORY OF CONTAMINANTS: None

CURRENT USE: To divert the discharge of river water from testing and operation of Pelton valves on river water lines.

NATURE OF CONCERN: Discharge infrequently contains less than 3 ppm of chlorine.

REGULATIONS: This outfall is listed in the NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: S-NW-2P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Effluent from extended aeration packaged sanitary waste water treatment plant, 607-18G.

COORDINATES AND SIZE: (Outfall S-11, Ref 1) Capacity: 10,000 gpd
Latitude 33° 14' 36" Longitude 81° 38' 49"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants.

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Normally dry storm water outfall to an unnamed tributary of Pen Branch.

REGULATIONS: Clean water act/NPDES permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-11P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Extended aeration packaged sanitary waste water treatment plant.

COORDINATES AND SIZE: (Outfall H-8B, Ref 1) Capacity: 130,000 gpd
Latitude 33° 15' 53" Longitude 81° 38' 45"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants.

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Effluent is discharged to H Areas process sewer H-8 to an unnamed tributary of Four Mile Creek.

REGULATIONS: Clean water act/NPDES permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NW-1P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Effluent from extended aeration packaged sanitary waste water treatment plant.

COORDINATES AND SIZE: (Outfall D-3 , Ref 1) Capacity: 12,000 gpd
Latitude 33^o 12' 04' Longitude 81^o 44' 30'

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants.

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Effluent is discharged to a unnamed tributary of Tims Branch.

REGULATIONS: Clean water act/NPDES permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: F-NW-2P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Effluent from extended aeration packaged sanitary waste water treatment plant, 607-17F.

COORDINATES AND SIZE: (Outfall F-11, Ref 1) Latitude 33° 16' 38"
Longitude 81° 40' 42"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants.

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Effluent is discharged to an unnamed tributary of Tims Branch.

REGULATIONS: Clean water act/NPDES permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: F-NW-1P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Effluent from extended aeration packaged sanitary waste water treatment plant, 607-7F.

COORDINATES AND SIZE: (Outfall F-8 , Ref 1) Latitude 33° 15' 37"
Longitude 81° 38' 53"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants.

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Effluent is discharged to an unnamed tributary of Four Mile Creek.

REGULATIONS: Clean water act/NPDES permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NW-1P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Effluent from extended aeration packaged sanitary waste water treatment plant, Building 607-16L.

COORDINATES AND SIZE: (Outfall H-8 , Ref 1) Latitude 33° 16' 81"
Longitude 81° 38' 45"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants.

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Effluent is discharged to an unnamed tributary of Steel Creek.

REGULATIONS: Clean water act/NPDES permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: P-NW-1P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Extended aeration packaged sanitary waste water treatment plant, 607-7P.

COORDINATES AND SIZE: (Outfall P-13, Ref 1) Latitude 33° 13' 44"
Longitude 81° 35' 14"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants.

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Effluent is discharged to an unnamed tributary of Steel Creek.

REGULATIONS: Clean water act/NPDES permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NW-1P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Effluent from extended aeration packaged sanitary waste water treatment plant.

COORDINATES AND SIZE: (Outfall K-11, Ref 1) Latitude 33° 17' 16"
Longitude 81° 38' 12"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants.

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Effluent is discharged to an unnamed tributary of Tims Branch.

REGULATIONS: Clean water act/NPDES permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: U-NW-1P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-U, IMHOFF open septic tank.

COORDINATES AND SIZE: (Outfall T-4 , Ref 1) Latitude 33° 16' 59"
Longitude 81° 43' 7"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: S-NW-1P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Sanitary lagoon for Building 690-G (Heat exchanger building).

COORDINATES AND SIZE: (Outfall S-7 , Ref 1) Latitude 33^o 14' 56"
Longitude 81^o 38' 45"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants.

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Effluent of lagoon overflows to an unnamed tributary of Steel Creek.

REGULATIONS: Listed on NPDES permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: F-NB-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin, Bldg. 288-1F, for receiving and storing coal ash. East of 200-F, opposite southeast corner of coal pile.

COORDINATES AND SIZE: (Outfall F-8 , Ref 1) North 77700 East 455100

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn

CURRENT USE: To receive coal ash and associated sluice water from area powerhouse operations.

NATURE OF CONCERN: Possible groundwater contamination source and overflow discharge outside permissible pH limits.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: F-NB-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin, Bldg. 288-F, for receiving and storing coal ash. East of 200-F, opposite Bldg. 284-F.

COORDINATES AND SIZE: (Outfall F-7 , Ref 1) North 78095.69 East 55565.61

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn

CURRENT USE: To receive coal ash and associated sluice water from area powerhouse operations.

NATURE OF CONCERN: Possible groundwater contamination source and overflow discharge outside permissible pH limits.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NB-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin, Bldg. 288-H, for receiving and storing coal ash. On southwest side of road E, opposite waste tanks 50 and 51.

COORDINATES AND SIZE: (Outfall H-8 , Ref 1) North 70156.2 East 61318.7
(West corner)

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn

CURRENT USE: Abandoned.

NATURE OF CONCERN: Possible groundwater contamination source and overflow discharge outside permissible pH limits.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: D-NB-5P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: "Old ash basin" used until 1981 for receiving and storing coal ash. On the perimeter fence, on west side of 400-D opposite the coal pile.

COORDINATES AND SIZE: (Outfall D-2 , Ref 1) North 63800 East 19240
(Southeast corner)

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn

CURRENT USE: Abandoned.

NATURE OF CONCERN: Possible groundwater contamination source and overflow discharge outside permissible pH limits.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: D-NB-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Primary ash basin, Bldg. 488-1D, for receiving and storing coal ash. Southwest of the 400-D perimeter fence, south of Bldg. 488-2D.

COORDINATES AND SIZE: (Outfall D-2 , Ref 1) North 62280.0 East 17650.0
(Southwest corner)

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn

CURRENT USE: To receive coal ash and associated sluice water from area powerhouse operations.

NATURE OF CONCERN: Possible groundwater contamination source and overflow discharge outside permissible pH limits.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NB-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Secondary ash basin, Bldg. 488-2D, for receiving and storing coal ash. West of the 400-D perimeter fence, opposite the south end of the coal pile.

COORDINATES AND SIZE: (Outfall D-2 , Ref 1) North 63800 East 17660
(Southwest corner)

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn

CURRENT USE: To receive coal ash and associated sluice water from area powerhouse operations.

NATURE OF CONCERN: Possible groundwater contamination source and overflow discharge outside permissible pH limits.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: P-NB-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin, Bldg. 188-P, for receiving and storing coal ash. South of 100-P Area.

COORDINATES AND SIZE: (Outfall P-5 , Ref 1) North 41100.0 East 65800.0
(Northeast corner)

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn

CURRENT USE: To receive coal ash and associated sluice water from area powerhouse operations.

NATURE OF CONCERN: Possible groundwater contamination source and overflow discharge outside permissible pH limits.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NB-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin, Bldg. 188-K, for receiving and storing coal ash. Between Road B and southeast corner of area perimeter fence.

COORDINATES AND SIZE: (Outfall K-6 , Ref 1)North 53121.8 East 396875

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn

CURRENT USE: To receive coal ash and associated sluice water from area powerhouse operations.

NATURE OF CONCERN: Possible groundwater contamination source and overflow discharge outside permissible pH limits.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: L-NB-2P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: An inactive basin Bldg. 188-L, until 1969 was used for receiving and storing coal ash. North of 100-L between Road 7 and Road 6.

COORDINATES AND SIZE: (Outfall L-14, Ref 1) North 49630 East 51280

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn

CURRENT USE: Abandoned.

NATURE OF CONCERN: Possible groundwater contamination source and overflow discharge outside permissible pH limits.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: H-NB-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin, Bldg. 289-H, for receiving rain water runoff from the area coal pile. East of 200-H and north of railroad track into area.

COORDINATES AND SIZE: (Outfall H-7 , Ref 1)

	North	East
	71155	64013
	71380	63833

INVENTORY OF CONTAMINANTS: Al, Cr, Cu, F, Fe, Mg, Mn, Ni, SO₄, total P, Zn

CURRENT USE: To hold up rain water run-off from the area coal pile to allow seepage into the ground.

NATURE OF CONCERN: Possible groundwater contamination source. Typically this water has a low pH.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NB-2P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin for receiving rain water runoff from the area coal pile (Bldg. 788-3A). Southeast of Bldg. 716-A, outside perimeter fence.

COORDINATES AND SIZE: (Outfall A-10, Ref 1) North 102190 East 51530
(Southeast corner)

INVENTORY OF CONTAMINANTS: Al, Cr, Cu, F, Fe, Mg, Mn, Ni, SO₄, total P, Zn

CURRENT USE: To hold up rain water run-off from the area coal pile to allow seepage into the ground.

NATURE OF CONCERN: Possible groundwater contamination source. Typically this water has a low pH.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: F-NB-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin, Bldg. 289-F, for receiving rain water runoff from the area coal pile. East of 200-F and north of railroad track into area.

COORDINATES AND SIZE: (Outfall F-8 , Ref 1)

North	East
76769	54988
76549	54768

INVENTORY OF CONTAMINANTS: Al, Cr, Cu, F, Fe, Mg, Mn, Ni, SO₄, total P, Zn

CURRENT USE: To hold up rain water run-off from the area coal pile to allow seepage into the ground.

NATURE OF CONCERN: Possible groundwater contamination source. Typically this water has a low pH.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: P-NB-2P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin, Bldg. 189-P, for receiving rain water runoff from the area coal pile. Outside south end of 100-P perimeter fence, opposite Bldg. 185-P.

COORDINATES AND SIZE: (Outfall P-6 , Ref 1) North 42106.2 * East 65112.5 (Northeast corner)

INVENTORY OF CONTAMINANTS: Al, Cr, Cu, F, Fe, Mg, Mn, Ni, SO₄, total P, Zn

CURRENT USE: To hold up rain water run-off from the area coal pile to allow seepage into the ground.

NATURE OF CONCERN: Possible groundwater contamination source. Typically this water has a low pH.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: K-NB-2P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin, Bldg. 189-K, for receiving rain water runoff from the area coal pile. Between road B-3 and west side of 100-K perimeter fence.

COORDINATES AND SIZE: (Outfall K-7, Ref 1) North 53000.0 East 3949.6
(Northeast corner)

INVENTORY OF CONTAMINANTS: Al, Cr, Cu, F, Fe, Mg, Mn, Ni, SO₄, total P, Zn

CURRENT USE: To hold up rain water run-off from the area coal pile to allow seepage into the ground.

NATURE OF CONCERN: Possible groundwater contamination source. Typically this water has a low pH.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

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11548
Revision Date
EAPD: C-NB-1P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin, Bldg. 189-C, for receiving rain water runoff from the area coal pile. South of 100-C, opposite southeast corner of perimeter fence.

COORDINATES AND SIZE: (Outfall C-2, Ref 1) North 65400 East 47087.5
(Northeast corner)

INVENTORY OF CONTAMINANTS: Al, Cr, Cu, F, Fe, Mg, Mn, Ni, SO₄, total P, Zn

CURRENT USE: To hold up rain water run-off from the area coal pile to allow seepage into the ground.

NATURE OF CONCERN: Possible groundwater contamination source. Typically this water has a low pH.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: D-NB-2P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: A basin, Bldg. 489-D, for receiving rain water runoff from the area coal pile. Outside perimeter fence at southwest corner of 400-D.

COORDINATES AND SIZE: (Outfall C-2, Ref 1) North 63200 East 20500 (near center)

INVENTORY OF CONTAMINANTS: Al, Cr, Cu, F, Fe, Mg, Mn, Ni, SO₄, total P, Zn

CURRENT USE: To hold up rain water run-off from the area coal pile to allow seepage into the ground.

NATURE OF CONCERN: Possible groundwater contamination source. Typically this water has a low pH.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-1P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Extended aeration packaged sanitary waste treatment plant, 607-7H.

COORDINATES AND SIZE: (Outfall H-8, Ref 1) Latitude 33° 16' 55"
Longitude 81° 38' 55"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, surfactants

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Discharges to an unnamed tributary of Four Mile Creek.

REGULATIONS: Clean Water Act/NPDES permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: C-NP-2P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: An open area (Pit), Bldg. 188-2C, for receiving and storing coal ash. East of 100-C, just outside perimeter fence.

COORDINATES AND SIZE: (Outfall C-1, Ref. 1) North 68343.7 East 47437.5
(Northeast corner)

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn

CURRENT USE: To receive coal ash from area powerhouse operations.

NATURE OF CONCERN: Possible groundwater contamination.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: A-NP-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: An open area (pit), Bldg. 788-2A, for receiving and storing coal ash on the northwest side of Road C-1 between 300-M area and Road C.

COORDINATES AND SIZE: North 98733.6 East 44478.2

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, SO₄, Zn

CURRENT USE: To receive coal ash from area powerhouse operations.

NATURE OF CONCERN: Possible groundwater contamination.

REGULATIONS: Clean water act.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: H-NW-2P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Septic tank, Bldg. 607-H (abandoned).

COORDINATES AND SIZE: (Outfall H-9, Ref. 1) Latitude 33⁰ 16' Min 55" Sec
Longitude 81⁰ 38' Min 49" Sec

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: Abandoned.

NATURE OF CONCERN: Septic tank overflow to tile field which allows water to seep into the ground.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: None.

PRIORITY: No action required.

Revision Date
EAPD: L-NB-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Building 904-79G, acid-caustic solution basin southeast of Building 105-L outside perimeter fence (inactive).

COORDINATES AND SIZE: (Outfall L-3 , Ref 1) North 45300 South 51234
(Northeast corner)

INVENTORY OF CONTAMINANTS: H₂SO₄, caustic soda, Na, PO₄, SO₃, SO₄

CURRENT USE: Abandoned.

NATURE OF CONCERN: Overflow discharge outside of permissible pH limitations.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-18P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-14G, Septic tank adjacent to Building 760-G (Forestry headquarters).

COORDINATES AND SIZE: 300 ft. SW of Bldg. 760-G

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-19P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-13G, Septic tank, adjacent to Building 681-7G (Par Pond switchgear building).

COORDINATES AND SIZE: 50 ft. East of Bldg. 681-7G.

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-21P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-11G, septic tank, adjacent to Building 677-G (TNX pilot plant).

COORDINATES AND SIZE: (Outfall X-5 , Ref 1) Latitude 33° 12' 39"
Longitude 81° 45' 39"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: Listed on the NPDES Permit application, but is not regulated.

PROGRAM: Continue current monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-22P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-10G, septic tank, adjacent to Building 661-G (Security Training building).

COORDINATES AND SIZE: 50 ft. North of Bldg. 661-G.

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-23P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-9G septic tank, adjacent to Building 701-6G (Augusta Barricade).

COORDINATES AND SIZE: 150 ft. NW of Bldg. 701-6G.

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-24P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-5G, septic tank, adjacent to Building 701-2G (Allendale Barricade).

COORDINATES AND SIZE: 750 ft. West of Bldg. 701-2G.

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-25P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-8G septic tank, adjacent to Building 701-5G, (Aiken Barricade).

COORDINATES AND SIZE: 100 ft. NW of Bldg. 701-5G. .

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-26P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-4G, septic tank, adjacent to Building 681-3G.

COORDINATES AND SIZE: 30 ft. South of Bldg. 681-3G.

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-27P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-3G, septic tank, adjacent to Building 681-1G.

COORDINATES AND SIZE: 30 ft. South of Bldg. 681-1G.

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-28P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-2G, septic tank, adjacent to Building 618-G.

COORDINATES AND SIZE: 150 ft. West of Bldg. 618-G.

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-16P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-6G, septic tank, adjacent to Building 701-3G, (Barnwell Barricade).

COORDINATES AND SIZE: 150 ft. South of Bldg. 701-3G.

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-17P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: 607-15G, septic tank, adjacent to Building 735-2G (SRL Boat Storage Building, Par Pond).

COORDINATES AND SIZE: 50 ft. East of Bldg. 735-2G.

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-29P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Normally dry overflow from sewage sludge disposal basin.

COORDINATES AND SIZE: (Outfall S-13, Ref 1) Latitude 33° 14' 38"
Longitude 81° 39' 16"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: Disposal of sludge from packaged sanitary waste water treatment plants.

NATURE OF CONCERN: Effluent is discharged to an unnamed tributary of Pen Branch.

REGULATIONS: Listed on NPDES permit, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: U-NW-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Abandoned lagoon.

COORDINATES AND SIZE: (Outfall T-3 , Ref 1) Latitude 33° 17' 00"
Longitude 81° 43' 05"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: Was used to treat sanitary waste water.

NATURE OF CONCERN: Effluent is discharged to an unnamed tributary of Upper Three Runs.

REGULATIONS: Listed on NPDES permit application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Non process holding lagoon for experimental spray irrigation field.

COORDINATES AND SIZE: (Outfall S-4 , Ref 1) Latitude 33^o 15' 13"
Longitude 81^o 36' 06"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: Holding basin.

NATURE OF CONCERN: None.

REGULATIONS: Listed on NPDES application, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Building 714-G, Sanitary waste water lagoon.

COORDINATES AND SIZE: (Outfall S-7 , Ref 1) Latitude 33^o 14' 56"
Longitude 81^o 38' 45"

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Effluent is discharged to an unnamed tributary of Steel Creek.

REGULATIONS: Listed on NPDES permit, but is not regulated.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: C-NP-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Building 188-1C, an area used to receive and store coal ash. Northeast of retention containment basin (adjacent to 188-C). Ash pile stabilized and abandoned.

COORDINATES AND SIZE: North 69027 East 45748

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, So₄, Zn

CURRENT USE: Abandoned.

NATURE OF CONCERN: Possible groundwater contamination.

REGULATIONS: Clean water act.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: C-NP-3P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Building 188-C, an area used to receive and store coal ash. North east of retention containment basin (ash pile stablized and abandoned).

COORDINATES AND SIZE: North 69027 East 45748

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, So₄, Zn

CURRENT USE: Abandoned.

NATURE OF CONCERN: Possible groundwater contamination.

REGULATIONS: Clean water act.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: A-NP-4P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Building 788-A, an area to receive and store coal ash. East of Road D adjacent to Tims Branch (ash pile stabilized and abandoned).

COORDINATES AND SIZE: North 100761.4 East 50622.9 (near center)

INVENTORY OF CONTAMINANTS: Al, Cu, Fe, Mg, Mn, Ni, So₄, Zn

CURRENT USE: Abandoned.

NATURE OF CONCERN: Possible groundwater contamination.

REGULATIONS: Clean water act.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date
EAPD: C-NW-8P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Extended aeration packaged sanitary waste water treatment plant, Building 607-20C.

COORDINATES AND SIZE: (Outfall C-4, Ref. 1) Latitude 33° 14' 31"
Longitude 81° 40' 21"

INVENTORY OF CONTAMINANTS: No₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Effluent is discharged to an unnamed tributary of Four Mile Creek.

REGULATIONS: Clean Water Act/NPDES permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

Revision Date
EAPD: G-NW-43P

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Power Department

SITE DESCRIPTION AND LOCATION: Extended aeration packaged sanitary waste water treatment plant, Building 607-37G.

COORDINATES AND SIZE: (Outfall X-13, Ref. 1) Latitude 33^o 12' 42"
Longitude 81^o 45' 27"

INVENTORY OF CONTAMINANTS: No₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water to meet NPDES permit requirements.

NATURE OF CONCERN: Effluent is discharged to an unnamed drainage course.

REGULATIONS: Clean Water Act/NPDES permit.

PROGRAM: Continue monitoring of facility.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Four seepage basins, Buildings 904-44G, 904-45G, 904-46G, and 904-56G, called the H-Area seepage basins, are located southwest of H Area.

COORDINATES AND SIZE: Building 904-44G (H-Area seepage basin 1) is 93 ft by 245 ft and located at N72218, E58744 (northeast corner). Building 904-45G (H-Area seepage basin 2) is 113 ft by 463 ft and located at N72127, E58480 (northeast corner). Building 904-46G (H-Area seepage basin 3) is 285 ft by 500 ft by 435 ft by 485 ft with a center point located at about N71700, E58000. Building 904-56G (H-Area seepage basin 4) covers 9.3 acres with a center point at about N71850, E57500. (Ref 1)

INVENTORY OF CONTAMINANTS: The radioactive contaminants include H-3, P-32, S-35, Cr-51, Co-58, Co-60, Zn-65, I-131, Cs-134, Cs-137, Ce-141, Ce-144, Pm-147, Th-232, Am-241, Am-243, Cm-242, Cm-244, U-235, U-238, Pu-238, Pu-239, and Np-239. In addition to radioactive contaminants, the basins also contain nonradioactive hazardous materials including mercury, nitric acid, sodium hydroxide, phosphoric acid, and sodium dichromate. (Ref 2)

CURRENT USE: The basins receive low-level radioactive effluents from the H-Area chemical separations facilities, receiving basin for offsite fuels (RBOF), the tritium processing facility, and the waste storage system evaporators.

NATURE OF CONCERN: The groundwater beneath the seepage basins has been contaminated, and the following groundwater quality parameter are outside of SCDHEC limits: mercury, nitrates, sodium, pH, total dissolved solids (TDS), specific conductivity (SC), alpha radiation, beta radiation, and radium.

REGULATIONS: RCRA and DOE Order 5480-1A, chapter XI.

PROGRAM: Groundwater monitoring at the seepage basins will continue, and additional wells will be installed to better define the groundwater contamination plume. Also, plans are being developed for treatment facilities to remove radioactive and hazardous contaminants from H-Area effluents, which will allow the seepage basins to be closed. Removal of contaminated soil from the site will be studied.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Three seepage basins, Buildings 904-41G, 904-42G, and 904-43G, called the F-Area seepage basins, are located south of F Area.

COORDINATES AND SIZE: Building 904-41G (F-Area seepage basin 1) is 87 ft by 277 ft and located at N75778, E51498 (northernmost corner). Building 904-42G (F-Area seepage basin 2) is 87 ft by 527 ft and located at N75640, E51188 (northeast corner). Building 904-46G (H-Area seepage basin 3) is 285 ft by 500 ft by 435 ft by 485 ft with a center point located at about N71700, E58000. Building 904-56G (H-Area seepage basin 4) covers 9.3 acres with a center point at about N71850, E57500. (Ref 1)

INVENTORY OF CONTAMINANTS: The radioactive contaminants include H-3, P-32, S-35, Cr-51, Co-58, Co-60, Zn-65, I-131, Cs-134, Cs-137, Ce-141, Ce-144, Pm-147, Th-232, Am-241, Am-243, Cm-242, Cm-244, U-235, U-238, Pu-238, Pu-239, and Np-239. In addition to radioactive contaminants, the basins also contain nonradioactive hazardous materials including mercury, nitric acid, and sodium hydroxide. (Ref 2)

CURRENT USE: The basins receive low-level radioactive effluents from the F-Area chemical separations facilities, and the waste storage system evaporators.

NATURE OF CONCERN: The groundwater beneath the seepage basins has been contaminated, and the following groundwater quality parameter are outside of SCDHEC limits: pH, nitrates, sodium, total dissolved solids (TDS), alpha radiation, beta radiation, and radium.

REGULATIONS: RCRA and DOE Order 5480-1A, chapter XI.

PROGRAM: Groundwater monitoring at the seepage basins will continue, and additional wells will be installed to better define the groundwater contamination plume. Also, plans are being developed for treatment facilities to remove radioactive and hazardous contaminants from F-Area effluents, which will allow the seepage basins to be closed. Removal of contaminated soil from the site will be studied.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Seven pits, used for disposal of toxic chemicals, pesticides, and reactive metals, are located about 1 mile north of L Area. The site, known as the CMP pits, includes Buildings 080-17G and 080-17-1G (pesticide pits), Buildings 080-18G, 080-18-1G, 080-18.2G, and 080-18.3G (chemical pits), and Building 080-19G (metals pit).

COORDINATES AND SIZE: Building 080-17G is a 15 ft by 55 ft pit at N51599.9, E53904.1 (northeast corner). Building 080-17.1G is a 10 ft by 44 ft pit at N51541.4, E53860.8 (northeast corner). Building 080-18G is a 10 ft by 60 ft pit at N51546.9, E53957.8 (northeast corner). Building 080-18.1G is a 12 ft by 45 ft pit at N51589.0, E53816.8 (northeast corner). Building 080-18.2G is a 10 ft by 45 ft pit at N51635.4, E53771.9 (northeast corner). Building 080-18.3G is a 15 ft by 110 ft pit at N51650.1, E53853.3 (northeast corner). Building 080-19G is a 10 ft by 48 ft pit at N51503.7, E53896.1 (northeast corner). (Ref 1)

INVENTORY OF CONTAMINANTS: The site contains approximately 75,000 ft³ of contaminated soil and waste, including trichloroethylene, perchloroethylene, oils, solvents, pesticides, and metals. (Ref 2)

CURRENT USE: None. The pits were closed in 1979 and backfilled with about 5 ft of soil.

NATURE OF CONCERN: Perchloroethylene and trichloroethylene, which are suspect carcinogens, have been detected in the groundwater beneath the pits in the ppm range.

REGULATIONS: CERCLA

PROGRAM: The waste buried in the CMP pits will be removed and a groundwater cleanup program initiated. A bid package should be issued to qualified hazardous waste removal contractors by July 1983. Waste removal is expected to begin 3 to 5 months after the bid package is issued, and should be complete within 6 months from the actual work starting date. Additional wells will be installed to determine site hydrology and the contamination plume. The data received from the groundwater study will be used to specify groundwater cleanup action.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: The Silverton Road waste site (Building 731-3A), used primarily for the disposal of rubble, is located about 1.5 miles west of M Area.

COORDINATES AND SIZE: The site is within an area approximately 203 ft by 695 ft at N103225.73, E41210.48 (southwest corner). (Ref 1)

INVENTORY OF CONTAMINANTS: The volume of the waste is unknown; however, the types of wastes include concrete, drums, bricks, tires, metal shavings, asbestos, and wood.

CURRENT USE: None. The site was closed in April 1974 and the waste was bulldozed into a shallow pile and covered with about 6 inches of soil.

NATURE OF CONCERN: Low concentrations of trichloroethylene and perchloroethylene, which are suspect carcinogens, have been detected in the groundwater beneath the site (Ref 2). The site is near the plant boundary and the horizontal groundwater gradient is toward the plant boundary. Therefore, the potential exists for offsite groundwater contamination.

REGULATIONS: CERCLA

PROGRAM: Additional wells will be installed to determine site hydrology and the contamination plume. Also, a clay cap will be installed over the site to minimize further leaching of contaminants into the groundwater.

PRIORITY: High

Revision Date: 8/25/83
EAPD: H-NA-2W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Diesel driven emergency generator for waste management operations.

COORDINATES AND SIZE: 250 kW generator located at Building 254-1H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supplies emergency power to F-Area Tank Farm.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean Air Act

PROGRAM: Apply for required permit.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Diesel driven emergency generator for waste management operations.

COORDINATES AND SIZE: 275 kW generator located at Building 254-3H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supplies emergency power to F-Area Tank Farm.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean Air Act

PROGRAM: Apply for required permit.

PRIORITY: High

Revision Date: 8/25/83
EAPD: H-NA-4W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Diesel driven emergency generator for waste management operations.

COORDINATES AND SIZE: 200 kW generator located at Building 299-H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supplies emergency power to F-Area Tank Farm.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean Air Act

PROGRAM: Apply for required permit.

PRIORITY: High

Revision Date: 8/25/83
EAPD: F-NA-3W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Diesel driven emergency generator for waste management operations.

COORDINATES AND SIZE: 350 kW generator located at Building 241-19F.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supplies emergency power to F-Area Tank Farm.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean Air Act

PROGRAM: Apply for required permit.

PRIORITY: High

Revision Date: 8/25/83
EAPD: H-NA-1W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Diesel driven emergency generator for waste management operations.

COORDINATES AND SIZE: 500 kW generator located at Building 254-H.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supplies emergency power to F-Area Tank Farm.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean Air Act

PROGRAM: Apply for required permit.

PRIORITY: High

Revision Date: 8/25/83
EAPD: F-NA-1W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Diesel driven emergency generator for waste management operations.

COORDINATES AND SIZE: 250 kW generator located at Building 254-1F.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supplies emergency power to F-Area Tank Farm.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean Air Act

PROGRAM: Apply for required permit.

PRIORITY: High

Revision Date: 8/25/83
EAPD: F-NA-2W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Diesel driven emergency generator for waste management operations.

COORDINATES AND SIZE: 350 kW generator located at Building 254-4F.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Supplies emergency power to F-Area Tank Farm.

NATURE OF CONCERN: Not presently permitted as required by law.

REGULATIONS: Clean Air Act

PROGRAM: Apply for required permit.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Contaminated cooling water or storm water inflow to Building 281-8F lined retention basin (NPDES outfall F-9).

COORDINATES AND SIZE: The outfall is located at about N76300, E52850.

INVENTORY OF CONTAMINANTS: Radioactive contaminated cooling water or storm water.

CURRENT USE: Outfall to the Building 281-8F retention basin for contaminated cooling water or storm water releases from the Building 241-H waste storage areas.

NATURE OF CONCERN: A potential exists for release of radioactivity to the air and possibly to the ground (if a leak develops in the basin liner or inflow lines), and for radioactive contamination of animals in the basin.

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: An FY 86 project is being developed to provide enclosed tank storage and facilities to reduce radioactivity for contaminated cooling water or storm water releases, thereby eliminating the need for an open retention basin.

PRIORITY: Medium

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: The radioactive burial grounds, Buildings 643-G and 643-7G, are located between F and H Areas.

COORDINATES AND SIZE: Building 643-G covers 76 acres with its northeastern corner at N73897.54, E58017.03. Building 643-7G, which is adjacent to and just north of Building 643-G, covers 119 acres with its center near N75820, E57800 (Ref 1).

INVENTORY OF CONTAMINANTS: Solid radioactive waste including low level alpha waste, high/low level beta-gamma waste, and naturally radioactive isotope waste, is buried in trenches. Also, some isotope waste, high/low level beta-gamma waste, and transuranic waste is stored retrievably (primarily on aboveground concrete pads). In addition, radioactive hazardous wastes such as mercury, oil, and organic solvents are buried in trenches (Ref 2).

CURRENT USE: The Building 643-7G burial ground is used for solid radioactive waste disposal and interim retrieval storage of combustible radioactive solvents, PCB's, and solid radioactive waste. The Building 643-G burial ground is full and no longer used.

NATURE OF CONCERN: Low levels of alpha and beta radioactivity and mercury have been detected in the groundwater beneath the burial ground. The contamination has not exceeded drinking water limits.

REGULATIONS: RCLA and DOE Order 5480.1A, chapter XI.

PROGRAM: Procedures now prohibit burial of SCDHEC hazardous wastes in the burial ground. Other storage and disposal methods are being investigated for these wastes. Several programs, such as the beta-gamma incinerator, the Pu-238 waste incinerator, and the alpha decontamination and disassembly (ADD) facility, are in the construction or planning stages and will reduce the volume of radioactive material requiring burial. Groundwater monitoring for mercury will continue.

PRIORITY: Medium

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Contaminated cooling water or storm runoff inflow to the Building 281-8H retention basin (NPDES outfall H-10).

COORDINATES AND SIZE: The outfall is located at approximately N71650, E59800.

INVENTORY OF CONTAMINANTS: Radioactive contaminated cooling water or storm water.

CURRENT USE: Outfall to the Building 281-8H retention basin for contaminated cooling water or storm water from the Building 242-16H waste storage areas and the Building 281-1H return water delaying basin.

NATURE OF CONCERN: A potential exists for release of radioactivity to the air and possibly to the ground (if a leak develops in the basin liner of inflow lines), and for radioactive contamination of animals in the basin.

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: An FY 86 project is being developed to provide enclosed tank storage and facilities to reduce radioactivity for contaminated cooling water or storm water releases, thereby eliminating the need for an open retention basin.

PRIORITY: Medium

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Contaminated soil adjacent to a leaking underground pipe line to the F-Area seepage basins.

COORDINATES AND SIZE: The site is about 3,000 ft² centered at N76800, E51800 (Ref 8).

INVENTORY OF CONTAMINANTS: The site includes 3,000 ft² of soil contaminated with less than 1 Ci of beta-gamma radioactivity (Ref 5).

CURRENT USE: None. The pipe line has been replaced.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. The old seepage basin lines have been replaced and retired in place.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Building 281-3F retention basin south of F Area.

COORDINATES AND SIZE: The basin is 120 ft by 200 ft, located at N76322, E53703 (northwest corner) (Ref 1).

INVENTORY OF CONTAMINANTS: In January 1981, the site contained approximately 0.05 Ci of Cs-137 and 1.3 Ci of SR-90 (Ref 4).

CURRENT USE: None. The basin was closed in 1973.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. Approximately 1,300 cubic yards of soil was removed and placed in the burial ground, and the basin was then backfilled.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

Revision Date: 7/12/83
EAPD: F-RS-1W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Contaminated water overflowed from Building 281-3F retention basin, just south of the basin.

COORDINATES AND SIZE: Approximately 500 ft² centered near N76050, E53700 (Ref 7).

INVENTORY OF CONTAMINANTS: Soil was contaminated with less than 1 Ci of beta-gamma radioactivity in December 1954 (Ref 5).

CURRENT USE: None.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. The contaminated area was covered with dirt.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Contaminated F-Area effluent stream bed south of Building 281-3F retention basin.

COORDINATES AND SIZE: The site covers approximately 10,000 ft² centered at N76000, E53500 (Ref 7).

INVENTORY OF CONTAMINANTS: Soil contaminated with less than 1 Ci of beta-gamma radioactivity in March 1959 (Ref 5).

CURRENT USE: F-Area effluent stream to NPDES outfall F-8.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater, however the contaminated soil was removed from the stream bed and deposited along the south bank of Road E and covered with clean dirt.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

Revision Date: 7/12/83

EAPD: F-RS-3W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Contaminated area northwest of Building 241-F diversion box 1.

COORDINATES AND SIZE: About 125 ft² of asphalt and ground centered at N77500, E53100 (Ref 7).

INVENTORY OF CONTAMINANTS: Asphalt and ground area was contaminated with less than 1 Ci of beta-gamma radioactivity in May 1957 (Ref 5).

CURRENT USE: None

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. Contaminated ground was turned under.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: High-level radioactive waste leaked into the soil from the fill line concrete encasement on tank 8 (H Area) in April 196_.

COORDINATES AND SIZE: An area of 200 to 300 ft² was estimated to be affected (Ref 18) centered at approximately N77100, E53200 (Ref 7).

INVENTORY OF CONTAMINANTS: About 1,000 to 1,500 ft³ of soil is radioactively contaminated with 1,500 gallons of high heat waste under the tank 8 inlet encasement, including an estimated 5,000 Ci of Cs-137, 5,000 Ci of SR-90, approximately 250 Ci of Pm-147, and approximately 10 Ci of other radionuclides (Ref 3).

CURRENT USE: Tank 8 is currently inactive.

NATURE OF CONCERN: Radioactivity has been detected in wells located near tank 8. However, it is estimated to take several hundred thousand years for the radionuclides to reach a stream, thereby allowing most of the radionuclides to decay (Ref 18).

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: Monitoring the movement of radioactive contamination from tank 8 will continue. The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Soil about 2 to 3 feet below grade just south of riser 6 on waste tank 3 (F Area) contains radioactive contamination.

COORDINATES AND SIZE: The original extent of the contamination is approximately 150 ft³ centered at N77300, E53100 (Ref).

INVENTORY OF CONTAMINANTS: An estimated 43 Ci of radioactivity (primarily Cs-137) was in the soil in June 1978 (Ref 17).

CURRENT USE: Tank 3 is currently inactive.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: Monitoring the movement of radioactive contamination from tank 3 will continue. The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

Revision Date: 7/12/83
EAPD: F-RS-6W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Soil 7 to 22 feet below grade on the east and west side of the Building 243-3F concentrate-transfer-system pump pit in F Area contains radioactive contamination due to leaking transfer lines.

COORDINATES AND SIZE: The original extent of the contamination was approximately 250 ft³ centered at N77350, E52900.

INVENTORY OF CONTAMINANTS: The original contaminated area contained an estimated 15 curies of radioactivity (Ref 17), however, the remaining activity was less than 1 Ci after cleanup measures.

CURRENT USE: The Building 243-3F CTS pump pit is used to transfer concentrate from the Building 242-F evaporator to tanks 25, 26, 27, and 28.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: Groundwater wells in the tank farm area are monitored for radioactivity. The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Radioactive contaminated ground near tank 18 (F Area) from spill of Building 242-F feed pump flush water.

COORDINATES AND SIZE: The site is approximately 50 ft², centered at N77400, E52800 (Ref 10).

INVENTORY OF CONTAMINANTS: The ground was contaminated with less than 1 Ci of beta-gamma radioactivity in April 1966 (Ref 5).

CURRENT USE: None

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: Wells in the area are monitored for radioactivity. The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Normally dry storm water outfall which drains storm water from the Building 281-8F retention basin walls above the basin liner, located along Road E near Road C. (NPDES outfall F-10.)

COORDINATES AND SIZE: The outfall is located at approximately N76000, E52200.

INVENTORY OF CONTAMINANTS: No contaminants are routinely discharged.

CURRENT USE: Storm water outfall from Building 281-8F basin walls.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater if the basin should overflow.

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: No action required.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: A cooling water/process sewer outfall near Road E south of F Area (outfall F-8).

COORDINATES AND SIZE: The outfall is located at approximately N75000, E54400.

INVENTORY OF CONTAMINANTS: External runoff from Building 241-F waste storage area and Building 281-8F retention basin. There are no frequently discharged contaminants from Waste Management facilities.

CURRENT USE: Cooling water and process sewer outfall for Waste Management, Separations, and Power facilities.

NATURE OF CONCERN: A potential exists for release of chemicals or radioactivity from contaminated external runoff.

REGULATIONS: Outfall releases are covered under the site's NPDES permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date: 7/12/83
EAPD: G-MS-1W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Contaminated soil between Buildings 904-42G and 904-43G seepage basins south of F Area.

COORDINATES AND SIZE: The site covers about 5,000 ft² centered at N75400, E50700 (Ref 8).

INVENTORY OF CONTAMINANTS: 5,000 ft² of soil contaminated with less than 1 Ci of beta-gamma radioactivity (Ref 5).

CURRENT USE: The site is adjacent to the seepage basins which receive low-level radioactive effluents from F Area.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. However, contamination already exists in the area because of the seepage basins. Contaminated ground was turned under.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

Revision Date: 7/12/83
EAPD: G-MW-1W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Process sewer outfall to the F-Area seepage basins (NPDES outfall F-11).

COORDINATES AND SIZE: The outfall is located at approximately N75778, E51498.

INVENTORY OF CONTAMINANTS: Low-level radioactivity and ascorbate, Ca, F, Fe, formate, glycol, K, Na, HN_4 , NO_3 , oxalate, SO_4 , and Zn are contaminants which may be discharged frequently.

CURRENT USE: Process sewer outfall to the F-Area seepage basins from Building 211-F canyon building and auxiliaries, Building 247-F fuel materials facility, Building 241-F waste storage area, and Buildings 242-F and 242-16F waste evaporators.

NATURE OF CONCERN: Chemical and radioactive contaminants released to the seepage basins or from leaks in the process sewer lines can have an adverse affect on groundwater. The old leaking process sewer lines to the seepage basins have been replaced and retired in placed.

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: Soil adjacent to the old seepage basin lines will be sampled to determine the extent of any contamination in the area.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Process sewer outfall to the H-Area seepage basins (NPDES outfall H-13).

COORDINATES AND SIZE: The outfall is located at approximately N72218, E58744.

INVENTORY OF CONTAMINANTS: Low-level radioactivity and ascorbate, F, Fe, K, Na, NH₄, NO₃, oxalate, and SO₄ are contaminants which may be discharged frequently.

CURRENT USE: Process sewer outfall to the H-Area seepage basins from Building 211-H canyon and auxiliaries, Building 244-H RBOF facility, Building 234-H facility, and Buildings 242-H and 242-16H waste evaporators and storage areas.

NATURE OF CONCERN: Chemical and radioactive contaminants released to the seepage basins or from leaks in the process sewer lines can have an adverse affect on groundwater. Old leaking process sewer lines to the seepage basins have been replaced and retired in place.

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: Soil adjacent to the old seepage basin lines will be sampled to determine the extent of any contamination in the area.

PRIORITY: Low

Revision Date: 7/12/83
EAPD: G-NQ-1W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Nonradioactive hazardous waste storage facility at Building 709-G, Central Shops area.

COORDINATES AND SIZE: Building 709-G is 170 ft by 60 ft and located at N64866, E50252 (northeast corner).

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Building 709-G is a new interim storage facility for nonradioactive hazardous wastes generated at the Savannah River Plant.

NATURE OF CONCERN: The potential exists for release of hazardous materials due to leaking containers after wastes are placed into the facility. However, concrete dikes and sumps provide containment and the building is inspected daily.

REGULATIONS: RCRA

PROGRAM: No action required.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Railroad right-of-way between F and H Areas.

COORDINATES AND SIZE: The contaminated site extends along a line through points N69200, E64200 and N68000, E65800 between F and H Areas (Ref 12 and 13).

INVENTORY OF CONTAMINANTS: A 2 million ft² area contaminated with less than 1 Ci of beta-gamma radioactivity in December 1959 (Ref 5). The primary contaminant was Ru-106.

CURRENT USE: Railroad connecting F and H Areas and Buildings 643-G and 643-7G burial grounds.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. The contaminated soil was turned under.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: A small radioactive contaminated area just outside of the east fence, Building 643-G burial ground.

COORDINATES AND SIZE: The area includes about 500 ft² centered at N73550, E57750 (Ref 9).

INVENTORY OF CONTAMINANTS: 500 ft² of soil contaminated with less than 1 Ci of beta-gamma radioactivity in April 1963 (Ref 5).

CURRENT USE: None.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. Contaminated soil was turned under.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: A radioactive contaminated area north of and adjacent to the Building 643-G burial ground.

COORDINATES AND SIZE: The site covers about 100,000 ft² with the center located about N74300, E57600 (Ref 9).

INVENTORY OF CONTAMINANTS: Approximately 100,000 ft² of soil was contaminated with less than 1 Ci of radioactivity in February 1963 (Ref 5).

CURRENT USE: None.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. Contaminated soil was turned under.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Process sewer/cooling water outfall located south of Road E between the Building 281-8H and Building 288-H basins (NPDES outfall H-8).

COORDINATES AND SIZE: The outfall is located at approximately N70400, E61400.

INVENTORY OF CONTAMINANTS: Caustic soda, Cr, Mo, Na, NH₄, PO₄, SO₃, and SO₄ are contaminants which may be discharged frequently.

CURRENT USE: Outfall for process sewer/cooling water releases from separations, powerhouse, and Building 242-16H waste storage area facilities.

NATURE OF CONCERN: Chemicals released via the outfall can have an adverse affect on groundwater.

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date: 7/12/83

EAPD: H-NW-1W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Normally dry storm water outfall located just east of Building 299-H Waste Management maintenance facility (outfall H-5).

COORDINATES AND SIZE: The outfall is located at approximately N72400, E64200.

INVENTORY OF CONTAMINANTS: No contaminants are routinely discharged.

CURRENT USE: Process sewer and external runoff outfall for the Building 299-H Waste Management maintenance facility.

NATURE OF CONCERN: The groundwater may be adversely affected if chemicals or radioactivity are released via the outfall.

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: No action required.

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Building 281-3H retention basin south of H Area, across Road E.

COORDINATES AND SIZE: The basin is 120 ft by 200 ft and located at N71490, E60119 (northeast corner) (Ref 1).

INVENTORY OF CONTAMINANTS: Radioactively contaminated soil and water (less than 1 Ci), primarily Ru-103 and Cs-137 (Ref 16).

CURRENT USE: None. The basin has been inactive since 1973.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

Revision Date: 7/12/83
EAPD: H-RQ-1W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: A pile of radioactive contaminated soil just west of Building 281-3H retention basin.

COORDINATES AND SIZE: The site covers about 1,200 ft² and centered at approximately N71550, E59900 (Ref 4).

INVENTORY OF CONTAMINANTS: 7,000 cubic feet of contaminated soil, removed from Building 281-7H basin, containing less than 1 Ci of radioactivity in June 1970 (Ref 3).

CURRENT USE: None

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: A holding pond near Building 281-3H retention basin discharge gate, just south of Building 281-3H.

COORDINATES AND SIZE: A 2,000 ft² area centered at N71400, E59950 (Ref 4).

INVENTORY OF CONTAMINANTS: A holding pond containing less than 1 Ci of beta-gamma radioactivity in September 1956.

CURRENT USE: None.

NATURE OF CONCERN: A potential exists for radioactive contamination of the groundwater.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Two temporary holding ponds, near H Area storm sewer outfall 52, south of H Area, across Road E. The ponds were constructed to contain a radioactive spill from tank 9.

COORDINATES AND SIZE: The holding ponds and contaminated stream bed covered about 500,000 ft², centered near N70900, E60800 (Ref 4).

INVENTORY OF CONTAMINANTS: An estimated 5 to 10 Ci of radioactivity, primarily Cs-137, remained at the site after initial cleanup measures in May 1967. An additional 0.5 Ci was released to the site in February 1969 (Ref 5).

CURRENT USE: None, the effluent stream has been rerouted around the holding ponds.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. Water contained in the holding ponds was pumped to the H Area seepage basins, and the majority of contaminated earth was excavated and shipped to the burial ground.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: High-level radioactive waste leaked through the concrete encasement around tank 16 (H Area) and into the groundwater.

COORDINATES AND SIZE: An area of 30,000 ft² was estimated to be affected in 1960 (Ref 5) centered at approximately N71200, E62150 (Ref 6).

INVENTORY OF CONTAMINANTS: An estimated 16 gallons of waste containing 7.4 Ci/gal of radionuclides (85% Cs-137) leaked into the groundwater beneath tank 16 (Ref 17).

CURRENT USE: Tank 16 is currently inactive.

NATURE OF CONCERN: Radioactivity has been detected in wells located near tank 16. However, it was estimated that the leading edge of radioactivity should not reach a stream for 100,000 to 800,000 years, allowing most of the radionuclides to decay (Ref 17).

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: Monitoring the movement of radioactive contamination from tank 16 will continue. The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: High-level radioactive waste spill on top of tank 9 (H Area).

COORDINATES AND SIZE: Approximately 1,000 ft² of earth and asphalt was contaminated, centered at N71700, E61950 (Ref 6).

INVENTORY OF CONTAMINANTS: About 1,500 to 2,000 Ci of radioactivity (90% Cs-137) was released initially (Ref 17), however, approximately 75 to 100 Ci were estimated to remain after cleanup measures (Ref 5).

CURRENT USE: Tank 9 is currently inactive.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. However, the majority of contamination was removed to the burial ground and there are monitoring wells near tank 7 to detect any migration of radioactivity.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: Wells in the area are monitored for radioactivity. The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

Revision Date: 7/12/83
EAPD: H-RS-5W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Radioactive contaminated earth between tanks 10 and 13 (Building 241-H) from a ruptured transfer hose.

COORDINATES AND SIZE: The site covers approximately 1,000 ft² centered near N71650, E62050 (Ref 6).

INVENTORY OF CONTAMINANTS: The ground was contaminated with less than 1 Ci of beta-gamma radioactivity in February 1967 (Ref 5).

CURRENT USE: None

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. The majority of contaminated earth was removed and the area covered with asphalt.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: Groundwater wells in the tank farm area are monitored for radioactivity. The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Radioactive contaminated ground near tank 29 from catheterizing liquid waste line between tank 29 and the concentrate-transfer-system pump pit.

COORDINATES AND SIZE: The site covers approximately 100 ft² centered near N71650, E61550 (Ref 6).

INVENTORY OF CONTAMINANTS: Contaminated soil containing less than 1 Ci of beta-gamma radioactivity (Ref 5).

CURRENT USE: None

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater. The majority of contaminated asphalt was removed and taken to the burial ground.

REGULATIONS: DOE Order 5480.1A, chapter XI.

PROGRAM: Groundwater wells in the tank farm area are monitored for radioactivity. The site will be investigated to determine what is required to return it to clean status.

PRIORITY: Low

Revision Date: 7/12/83
EAPD: H-RW-2W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Normally dry storm water runoff/groundwater drainage sewer which drains storm water from the basin wells above the basin liner and groundwater from beneath the liner, located just south of Building 281-8H retention basin (NPDES outfall H-11).

COORDINATES AND SIZE: The outfall is located at approximately N71400, E59600.

INVENTORY OF CONTAMINANTS: No contaminants are routinely discharged.

CURRENT USE: Storm water runoff and groundwater outfall from Building 281-8H retention basin.

NATURE OF CONCERN: The potential exists for radioactive contamination of the groundwater if the basin should overflow or if the basin develops a leak.

REGULATIONS: The outfall is listed in the NPDES application but is not regulated by the NPDES permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date: 7/12/83
EAPD: U-NQ-1W

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: Nonradioactive hazardous waste storage facility at Building 710-U.

COORDINATES AND SIZE: Building 710-U is 60 ft by 180 ft and located at about N100250, E41300.

INVENTORY OF CONTAMINANTS: Approximately 156,000 lbs of ignitable, toxic, and corrosive hazardous wastes are stored in drums.

CURRENT USE: Building 710-U is an interim storage facility for nonradioactive hazardous wastes generated at the Savannah River Plant.

NATURE OF CONCERN: The potential exists for release of hazardous materials due to leaking containers; however, spill containment exists and the building is inspected daily. The storage facility has interim status from SCDHEC.

REGULATIONS: RCRA

PROGRAM: Solid and nonignitable wastes will continue to be stored in Building 710-U; however, liquid and ignitable wastes will be moved to Building 709-G. Building 709-G, which is a new nonradioactive hazardous waste storage facility, has improved ventilation and leak containment features.

PRIORITY: Low

Revision Date
EAPD:

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Waste Management

SITE DESCRIPTION AND LOCATION: 607-12G, Septic tank, adjacent to Building 724-2G.

COORDINATES AND SIZE:

INVENTORY OF CONTAMINANTS: NO₃, Org. N, Org. P, Surfactants

CURRENT USE: To treat sanitary waste water before discharging to the environment.

NATURE OF CONCERN: Effluent of septic tank empties into a tile field.

REGULATIONS: SCDHEC Construction permit.

PROGRAM: No action required.

PRIORITY: No action required.

Revision Date: 8-4-83
EAPD: A-NW-12

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T & T

SITE: Process sewer outfall to an oily waste water settling/seepage basin.

LOCATION: Outfall A-12, located across railroad south of Building 716-A.

INVENTORY: Oil and grease, and ethylene glycol. (Toluene and xylene have not been discharged in about 3 years.)

CURRENT USE: Discharge of washdown and runoff from auto repair shop and heavy equipment cleaning facility.

NATURE OF CONCERN: Possible ground water contamination.

REGULATIONS: Listed in NPDES application but not regulated by the NPDES permit.

PROGRAM: Oil and grease to be removed by grease trap and effluent to be treated in sanitary waste treatment plant (1983-84). Basin to be decommissioned. Ethylene glycol discharge to sanitary plant to be limited to 10 quarts/day of 50% ethylene glycol mixture.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Primarily semi-covered pit 0.1 miles west and adjacent to first dirt road to right on Road A-2 from Road A. Site is characterized by open area west and adjacent to the dirt road and approximate 10 ft. sq. asphalt pile. Eight 55-gallon, semi-covered corroded drums were sited. It is suspected because of ground contour in adjoining areas around drums, more drums are present at the site and are buried. Site area is recognized as Gun Emplacement No. 720.

COORDINATES AND SIZE: Suspect pit area, adjoining 10 ft. sq. asphalt pile, is 20 ft. sq. with approximate center location of N80000, E27350 (Ref: Map 3302, Sheet 877).

INVENTORY OF CONTAMINANTS: Suspect nonradioactive liquid chemical waste stored in drums stored in a maximum area of 20 ft. square.

CURRENT USE: Semi-covered and inactive, not a registered dumping site.

NATURE OF CONCERN: Unknown constituents stored in the drums, unknown quantities of drums and unknown origin of waste at the site.

REGULATIONS: No specific regulations are applicable until constituents are defined.

PRIORITY FOR CLEANUP: High, because area is not a registered dumping site.

PROGRAM: Survey the area to determine constituents and quantities of drums at the site. Transport drums to appropriate waste site, probably nonradioactive storage sites. Transport asphalt to Sanitary Landfill. Take further action, including monitor well installation, as necessary.

MAH:dyc

July 11, 1983
EAPD: G-NW-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T&T

SITE DESCRIPTION AND LOCATION: Heavy Equipment Parking Lot in Central Shops.

COORDINATES AND SIZE: The parking lot is located approximately 400 ft. north of building 706-G in an area of about two acres with the following coordinates: N 64200, E 50300

INVENTORY OF CONTAMINANTS: Gas, diesel, motor oil, hydraulic oil and glycol.

CURRENT USE: Currently used as heavy equipment parking area. Infrequent equipment leakage.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Precipitation runoff to S-15, a normally dry storm water outfall to an unnamed tributary of Four Mile Creek which empties into Savannah River. Reference map S-15, Central Shops.

REGULATIONS: Violation of NPDES regulation.

PROGRAM: Obtain NPDES Permit to cover pollutant runoff to S-15.

PRIORITY FOR CLEANUP: High

July 11, 1983
EAPD: G-NS-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T&T

SITE DESCRIPTION AND LOCATION: Concrete slab east of Building 714-5G - Central Shops Oil Storage Facility.

COORDINATES AND SIZE: Concrete storage slab 10' x 13' centered 30 ft. east of the north end of 714-5G with following coordinates: N 62000, E 50900. Reference map S-12, Central Shops.

INVENTORY OF CONTAMINANTS: Oil

CURRENT USE: Constant storage of approximately 20 drums.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Precipitation runoff from storage pad to S-12, a normally day storm water outfall to an unnamed tributary of Pen Branch which empties into Savannah River.

REGULATIONS: Violation of NPDES Permit.

PROGRAM: . Remove contaminated soil and establish program to prevent leakage.
. Obtain adequate NPDES Permit.

PRIORITY: High

July 11, 1983
EAPD: G-NW-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T&T

SITE DESCRIPTION AND LOCATION: Power Pole Laydown Yard.

COORDINATES AND SIZE: Laydown Yard is located approximately 400 ft. east of Building 709-G in an area 100 ft. x 300 ft. with the following coordinates: N 64800, E 50600

INVENTORY OF CONTAMINANTS: Creosote runoff from power poles.

CURRENT USE: Constant storage of approximately 20 creosote treated power poles.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Precipitation runoff from storage area to S-15 which is normally a dry storm water outfall to an unnamed tributary of Four Mile Creek which empties into Savannah River. Reference map S-15, Central Shops.

REGULATIONS: Possible violation of NPDES.

PROGRAM: Revise NPDES Permit to include runoff pollutants from Power Pole Laydown Yard.

PRIORITY: Medium

Revision Date: 8/29/83
EAPD: A-NP-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Covered pit west of Road D, west and adjacent to Road C-1, approximately 1.25 miles northeast of Road C. Rubble pit has received paper, lumber, cans and barrels. Prior to rubble pit, site was a sanitary landfill burning pit. Site is Building 731-A.

COORDINATES AND SIZE: A rectangular pit adjacent to Road C-1, approximately 180 ft. by 330 ft. with center location of N98850, E44600 (Ref: Map 3302, Sheet 1091).

INVENTORY OF CONTAMINANTS: Large uncertainty to consistency of constituents. Specific quantities of material are not defined.

CURRENT USE: Closed

NATURE OF CONCERN: Consistency of constituents uncertain.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Suggest installing monitoring wells (high priority) and initiate monitoring program to monitor suspicious constituents.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Covered pit west of Road D, west and adjacent to Road C-1, approximately 1.3 miles northeast of Road C. Rubble pit has received paper, lumber, cans, barrels and glass. Site is Building 731-1A.

COORDINATES AND SIZE: A rectangular pit west and adjacent to Building 731-A, approximately 30 ft. by 500 ft. with center location of N98970, E44420 (Ref: Map 3302, Sheet 1091).

INVENTORY OF CONTAMINANTS: Large uncertainty to consistency of constituents. Specific quantities of material are not defined.

CURRENT USE: Closed

NATURE OF CONCERN: Consistency of constituents uncertain.

REGULATIONS: No specific regulations are applicable until exact contents are determined.

PRIORITY FOR CLEANUP: Low

PROGRAM: Suggest installing monitoring wells (high priority) and initiate monitoring program to monitor suspicious constituents.

MAH:dyc

Revision Date: 8/29/83
EAPD: A-NP-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Covered pit west of Road D, west and adjacent to Road C-1, approximately 1.35 miles northeast of Road C. Rubble pit has received drums, paint cans, wooden pallets, paper and glass. Site is Building 731-2A.

COORDINATES AND SIZE: A rectangular pit west and adjacent to Building 731-1A, approximately 40 ft. by 650 ft. with center location of N99100, E44350 (Ref: Map 3302, Sheet 1091).

INVENTORY OF CONTAMINANTS: Large uncertainty to consistency of constituents in containers. Specific quantities of material are not defined.

CURRENT USE: Closed

NATURE OF CONCERN: Consistency of constituents in containers is uncertain.

REGULATIONS: No specific regulations are applicable until exact contents are determined.

PRIORITY FOR CLEANUP: Low

PROGRAM: Suggest installing monitoring wells (high priority) and initiate monitoring program to monitor suspicious constituents.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Miscellaneous piles south and adjacent to Road D-1, 0.25 miles east of Road D. Site has miscellaneous asphalt, cans, lumber, brick, concrete block, scrap metal and plastic scattering over many piles over the site area. Site is Building 731-6A.

COORDINATES AND SIZE: A distorted L-shaped series of piles approximately 25 to 40 ft. wide by 700 ft. long. Approximate center location of the site is N102000, E50900 (Ref: Map 3302, Sheet 1123).

INVENTORY OF CONTAMINANTS: Piles are scattered over site area. Majority of rubble is concrete block, asphalt and scrap metal.

CURRENT USE: Open, but inactive. Most rubble piles are uncovered.

NATURE OF CONCERN: Consistency of constituents uncertain.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: None

PROGRAM: Recommend consolidating waste to one square pile, inventory exact contents and quantities and cover site with earthen cover and seed.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Open burning site at end of dirt road north of F Area access road from Road C. Piles at the site consist of lumber poles, crates, pallets and other wood items. East and adjacent of the site is a small rubble pile including bricks and concrete. Site is Building 231-3F.

COORDINATES AND SIZE: Rubble pile is 20 ft. by 40 ft. Burning site is 200 ft. by 400 ft. with approximate center location of N79400, E50800 (Ref: "Waste Sites...", D. I. Ross and J. L. Green, Jan. 1, 1983).

INVENTORY OF CONTAMINANTS: No contaminant inventory.

CURRENT USE: Open and used as a wood burning pit.

NATURE OF CONCERN: None

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: None

PROGRAM: Recommend covering the small rubble pile at the site with earthen cover and seed. Administratively control input to burning pit to prevent plastics or foreign materials besides wood to be burned.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Open seepage basin south of Building 716-A, below the railroad track, approximately 100 ft. from Road D. The seepage basin has received grease, soapy water, degreasers (kerosene only), oil from degreasing operations and ethylene glycol from Building 716-A only. Site originated in 1977 and is Building 904-101G.

COORDINATES AND SIZE: A rectangular basin extending approximately 40 ft. north and 200 ft. east of N101900 and E50300 (Ref: Map 3302, Sheet 1123).

INVENTORY OF CONTAMINANTS: Unknown quantities of oils, degreasers, and ethylene glycol are in the basin.

CURRENT USE: Present waste discharged to the seepage basin consists primarily of ethylene glycol and soapy water. All liquid waste from Building 716-A is routed through an oil skimmer before discharging to the seepage basin. The oil skimmer has been fully operational since January 1983. Waste oil from the skimmer is shipped to the nonhazardous waste site, Building 710-U. Primary waste oil from Building 716-A is drummed and is either burned in the Power House, Building 484-D, resold or sent to Building 710-U.

NATURE OF CONCERN: Ethylene glycol is a suspect carcinogen (Ref: DPSOL 158-2-4074) which could contaminate drinking water supplies. Although there is no trace or evidence of origin, toluene and xylene have been sited as contaminants present in the seepage basin (Ref: Letter, J. D. Spencer to G. A. Smithwick, 5/13/83). Toluene (No. U220) and xylene (No. U239) are classified as toxic wastes by the EPA.

REGULATIONS: No specific regulations.

PRIORITY FOR CLEANUP: Low

PROGRAM: Suggest installing monitoring wells and monitoring program with further action including cleanup as a secondary step. Priority for installing monitoring wells should be high. The seepage basin is forecasted to be discontinued from use by Building 716-A by the end of fiscal 1983. Waste from Building 716-A, after this period will be diverted through the oil skimmer to the sewage waste treatment plant, Building 607-7A.

MAH:dyc

Revision Date: 8/29/83
EAPD: G-NB-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Covered basin between Roads A-4.4 and A-4.5, 0.25 miles west of Road A-12. Basin has received oil from 400 Area process distillation columns. Site was initially an oil burning pit. Site is Building 631-G.

COORDINATES AND SIZE: A rectangular basin approximately 55 ft. by 400 ft. (Ref: "Waste Sites..", D. I. Ross and J. L. Green, p. 10) with center location of N68500, E24200 (Ref: Map 3302, Sheet 756).

INVENTORY OF CONTAMINANTS: Drummed process oil from 400 Area heavy water process of undetermined quantities.

CURRENT USE: Closed

NATURE OF CONCERN: Process oil which may not be contained in drums and may have seeped into the ground.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Suggest installing monitoring wells and initiate monitoring program with further action including cleanup as a secondary step. Monitoring well installation should be high priority.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Periodically covered rubble pit one mile east of Road 3, west and adjacent to Road A-4.7. Rubble pit has received concrete, asphalt and roofing materials, tree stumps and wood poles. Site is Building 631-8G.

COORDINATES AND SIZE: A natural rectangular ravine approximately 380 ft. by 310 ft. by 110 ft. by 140 ft. of rubble mixed with soil. Open area is 50 ft. by 100 ft. Approximate center location of rubble pit is N67500, E17300 (Ref: Map 3302, Sheets 725, 755).

INVENTORY OF CONTAMINANTS: Inventory is uncertain due to most waste covered with soil. Majority of waste is tree stumps.

CURRENT USE: Open, but presently inactive.

NATURE OF CONCERN: Consistency of constituents uncertain.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: None

PROGRAM: Keeping waste consolidated to one area, periodic earth cover and administratively controlling input to rubble pit. Suggest installing monitoring wells in future, with low priority.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Periodically covered pits 0.25 miles southwest of Road C, 1.25 miles southeast of Road 2 and TC-1 Complex. Site has approximately 15 acres of a series of 15 ft. wide by 10 ft. deep trenches compiled of waste food, cans, paper, and sanitary landfill type waste. Site is the SRP sanitary landfill, Building 740-G.

COORDINATES AND SIZE: A large plot of land originally sited for 17 acres and recently expanded 15 acres. Approximate center location of the total landfill area is N84950, E45800 (Ref: Drawing S5-6-637).

INVENTORY OF CONTAMINANTS: No contaminants suspected.

CURRENT USE: Very active use for all sanitary landfill type waste and, as of recent, all rubble pit waste burial.

NATURE OF CONCERN: Consistency of constituents, from past years, are uncertain.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: None

PROGRAM: Periodic earth cover followed by successive trench filling and administratively controlling input to the waste site. A few monitoring wells are installed. Install monitoring wells to cover continuing filled trenches, as necessary. Future plans should include expanding existing monitoring wells over used landfill, with low priority or as necessary.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: An open natural ravine used for periodically covered rubble pit. Rubble pit is approximately 1.0 mile northeast of Road 3 (via Road A-8), 1.25 miles east of Road A (via Road A-5) and 0.4 miles north of Substation 51 (via Road A-5.1). Rubble pit or open ravine receives primarily tree stumps and debris with some wood pallets, roofing, asphalt and paper present. Site is recognized as Substation 51.

COORDINATES AND SIZE: A deep open ravine approximately 100 ft. long by 50 ft. wide with center location of N76000, E33000.

INVENTORY OF CONTAMINANTS: No contaminants suspected.

CURRENT USE: Open and very active. Rubble is periodically covered with earth.

NATURE OF CONCERN: Constituents of rubble must be limited because of close proximity to Upper Three Runs Creek.

REGULATIONS: No specific regulations.

PRIORITY FOR CLEANUP: None

PROGRAM: Administratively controlling waste input to the site. Future plans should consist of controlled entrance to the site by the custodian, with high priority.

MAH:dyc

Revision Date: 8/29/83
EAPD: G-NP-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Open pit south and adjacent of Risher Road, 0.3 miles west of Road 2. Pit has primarily lumber with glass bottles, metal cans and scrap metal.

COORDINATES AND SIZE: A pit approximately 20 ft. sq. with center location of N135000, E67000.

INVENTORY OF CONTAMINANTS: Approximately 5 to 10 cu. yd. wood inventory of unknown origin. Scrap metal and other waste is minimal and scattered in adjoining trenches to the pit.

CURRENT USE: Open, but not a registered dumping site.

NATURE OF CONCERN: Housekeeping and unauthorized waste dumping.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Recommend transfer of lumber to the wood burning pit, Building 231-3F. Cleanup of waste should be accomplished and transported to Sanitary Landfill, Building 740-G or Salvage Yard, Building 740-A. Action should be low priority, but include a date of completion for waste transfer.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Three rubble piles south of Road A-14, 0.25 miles from Road A. Rubble piles consist of primarily concrete and brick with lumber, scrap metal, roofing materials, and asbestos. Site is Military Gunsite 51.

COORDINATES AND SIZE: One rubble pile is approximately 150 ft. by 100 ft. north and adjacent to Building 772-8G. Two rubble piles are approximately 30 ft. by 60 ft. north and adjacent to Building 772-10G. One rubble pile is approximately 40 ft. by 100 ft., located 30 ft. south of Building 772-9G. Approximate center location of the site is N41600, E55200 (Ref: Map 3302, Sheet 459).

INVENTORY OF CONTAMINANTS: Most waste sited is concrete, brick, lumber and scrap metal from destruction of military barracks.

CURRENT USE: Open, but inactive. All rubble piles are uncovered.

NATURE OF CONCERN: None

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: None

PROGRAM: Recommend covering all piles at the site with earthen cover and seed with low priority.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Miscellaneous rubble piles spread over an area south of Road A-2, between Road A-2 and paved road west of railroad tracks, and 1.25 miles from Road A. Rubble piles consist of primarily concrete, brick and lumber with glass, scrap metal, cans and asbestos. Full paint cans were found at the site. Vegetation has heavily covered many piles. Site is Military Gunsite 72.

COORDINATES AND SIZE: Rubble piles were sited over 4 acres between Road A and paved road. One 10 ft. square pile of metal cans is north and adjacent of Road A-2, 0.35 miles west of railroad tracks. Approximate center location of the rubble piles is N80400, E22600 (Ref: Map 3302, Sheet 876).

INVENTORY OF CONTAMINANTS: Large uncertainty to consistency of constituents in piles. Most waste sited is concrete, brick, lumber and scrap metal from destruction of military barracks.

CURRENT USE: Open, but inactive. Most rubble piles are uncovered, a few piles are covered with heavy vegetation.

NATURE OF CONCERN: Consistency of constituents uncertain.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Recommend consolidating waste to one square pile, inventory exact contents and quantities and cover site with earthen cover and seed. Action should be low priority but include a goal of completion for site consolidation.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Miscellaneous rubble piles spread over an area southwest and adjacent to Road 2-1 and approximately 3 miles northwest of Gate 14. Rubble piles consist of transite, lumber, concrete block, metal scrap and glass. One 10 ft. by 15 ft. lumber pile mixed metal scrap present at the site. One 12 ft. square building rubble pile of sheet metal, lumber and glass. Site is Navy Gunsite 102.

COORDINATES AND SIZE: Miscellaneous rubble piles sited over a 4 acre area. Approximate center location of the site is N74800, E84900 (Ref: Map 3302, Sheets 831 and 832).

INVENTORY OF CONTAMINANTS: No contaminant inventory found or suspected.

CURRENT USE: Open, but inactive.

NATURE OF CONCERN: Unknown activities when area was active gunsite. SRL has test wells at the site.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: None

PROGRAM: Inventory contents, consolidate piles and earthen cover with seed or haul to either Gunsite 51 or 72 for site consolidation.

MAH:dyc

Revision Date: 8/29/83
EAPD: G-NQ-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Two asphalt piles located adjacent to Smith Road. One small asphalt pile is .05 miles from Road 8, 20 ft. east of Smith Road. Larger asphalt pile is 0.35 miles from Road 8, east and adjacent to Smith Road. Site area is recognized as Gun Emplacement No. 113.

COORDINATES AND SIZE: Asphalt piles are approximately 10 ft. sq. and 15 ft. sq. with approximate equidistant center location of N64750 and E115400 (Ref: Dwg. SM5-G-125, Sheet 3).

INVENTORY OF CONTAMINANTS: Approximately 10 cu. yd. of asphalt rubble.

CURRENT USE: Open, but not a registered dumping site.

NATURE OF CONCERN: Housekeeping and unauthorized waste dumping.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: None

PROGRAM: Transfer and transport waste rubble to Sanitary Landfill, Building 740-G. Intensive survey of area needed to determine if other rubble piles are present. Action should be low priority but include a date of completion for waste transfer and land survey.

MAH:dyc

Revision Date: 8/29/83
EAPD: G NQ-7

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Miscellaneous rubble piles east and west adjacent to Road 781.1, from 50 ft. to 550 ft. north of SC 278. Site has miscellaneous rubble piles primarily consisting of concrete blocks, bottles, metal cans, lumber and scrap metal, with plastic, asphalt, paper and pallets.

COORDINATES AND SIZE: Miscellaneous rubble piles over a 500 ft. (east to west) by 100 ft. area with approximate coordinates N105800, E78000 (Ref: Dwg. SM5-G-125, Sheet 4).

INVENTORY OF CONTAMINANTS: Approximately nine sizable piles of lumber and miscellaneous rubble sited. Average size of piles is 15 ft. square. Burnable wood inventory is estimated at less than 50 cu. yd.

CURRENT USE: Open, but not a registered dumping site. Source of waste is from offplant personnel. Site is unauthorized dumping area. Signs displaying government property are limited north and adjacent of SC 278.

NATURE OF CONCERN: Housekeeping and unauthorized waste dumping.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Recommend transfer of lumber to the wood burning pit, Building 231-3F. Cleanup of other waste should be accomplished and transported to Sanitary Landfill, Building 740-G or Salvage Yard, Building 740-A. Action should be low priority, but include a date of completion for waste transfer.

Concentrate on better identifying plant property north of SC 278 with appropriate signs for trespassing and dumping. If further action persists, install fencing and gates north and adjacent to SC 278. Another alternative is to consider selling plant property north of SC 278.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Rubble piles north of plant boundary marker 63 along north border of the plant, north and adjacent to Bragg Bay Road. Site has two rubble piles consisting primarily of large and small scrap metal with small quantities of paper, concrete block, bricks, metal cans and bottles. Site is characterized by old barn shell.

COORDINATES AND SIZE: Rubble piles are approximately 50 ft. by 100 ft. and 10 ft. by 20 ft. with approximate coordinates N106000, E83800 (Ref: Dwg. SM5-6-125, Sheet 4).

INVENTORY OF CONTAMINANTS: Two concentrated piles in site area. Site waste is approximately 90% scrap metal.

CURRENT USE: Open, but not a registered dumping site. Source of waste is from offplant personnel. Site is unauthorized dumping area. Signs displaying government property are limited along north border of the plant and are in poor condition.

NATURE OF CONCERN: Housekeeping and unauthorized waste dumping.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Recommend transfer of scrap metal to the Salvage Yard, Building 740-A. Clean up of other waste should be accomplished and transported to Sanitary Landfill, Building 740-G. Action should be low priority, but include a date of completion for waste transfer.

Concentrate on better identifying plant property along north border with appropriate signs for trespassing and dumping. If further action persists, install fencing and gates along north border of the plant. Another alternative is to consider selling plant property north of SC 278.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Rubble pile north of intersection of Bragg Bay Road and dirt road, approximately 0.2 miles from SC 278. Rubble pile has primarily small scrap metal and metal cans with roofing material, plastic and lumber.

COORDINATES AND SIZE: Rubble pile is 10 ft. by 15 ft. with approximate center location of N103800, E79300 (Ref: Dwg. S5-G-125, Sheet 4).

INVENTORY OF CONTAMINANTS: Inventory of rubble pile waste is estimated at approximately 5 cubic yards.

CURRENT USE: Open, but not a registered dumping site. Source of waste is from offplant personnel. Site is unauthorized dumping area. Signs displaying government property are limited north and adjacent of SC 278.

NATURE OF CONCERN: Housekeeping and unauthorized waste dumping.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Recommend transfer of lumber to the wood burning pit, Building 231-3F. Cleanup of other waste should be accomplished and transported to Sanitary Landfill, Building 740-G or Salvage Yard, Building 740-A. Action should be low priority, but include a date of completion for waste transfer.

Concentrate on better identifying plant property north of SC 278 with appropriate signs for trespassing and dumping. If further action persists, install fencing and gates north and adjacent to SC 278. Another alternative is to consider selling plant property north of SC 278.

MAH:dyc

Revision Date: 8/29/83
EAPD: G-NQ-10

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Pile of scrap metal north and adjacent to Road A-18, 1.7 miles east from Road A.

COORDINATES AND SIZE: Pile is approximately 30 ft. by 15 ft. with center location of N24000, E42700.

INVENTORY OF CONTAMINANTS: Three Ford Model A car bodies, scrap metal over site area.

CURRENT USE: None

NATURE OF CONCERN: Housekeeping

REGULATIONS: No regulations are applicable.

PRIORITY FOR CLEANUP: None

PROGRAM: Transport scrap metal to Salvage Yard, Building 740-A, with low priority.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Miscellaneous rubble piles at north plant boundary adjacent to boundary markers 57 and 58, northwest and adjacent to perimeter dirt road. One rubble pile is primarily large and small scrap metal. Other rubble piles have scrap metal, tires, concrete block, brick and glass.

COORDINATES AND SIZE: Miscellaneous rubble piles scattered over three acres from boundary marker 58 and south, west and adjacent to perimeter dirt road. Approximate coordinates for site location are N108700, E80600 (Ref: Dwg. S5-G-125, Sheet 4).

INVENTORY OF CONTAMINANTS: Scrap metal pile is approximately 40 ft. by 100 ft. on the north edge of the site. East of dirt road is pile 20 ft. by 50 ft. of scrap metal and tires. South of scrap metal pile 100 ft., and 200 ft. west is 10 ft. sq. brick and concrete rubble pile.

CURRENT USE: Open, but not a registered dumping site. Source of waste is from offplant personnel. Site is unauthorized dumping area. Signs displaying government property are limited along north border of the plant and are in poor condition.

NATURE OF CONCERN: Housekeeping and unauthorized waste dumping.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Recommend transfer of scrap metal to the Salvage Yard, Building 740-A. Cleanup of other waste should be accomplished and transported to Sanitary Landfill, Building 740-G. Action should be low priority, but include a date of completion for waste transfer.

Concentrate on better identifying plant property along north border with appropriate signs for trespassing and dumping. If further action persists, install fencing and gates along north border of the plant. Another alternative is to consider selling plant property north of SC 278.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Miscellaneous rubble piles east and west adjacent of Cemetary Road, between SC 278 and first parallel dirt road (0.2 miles from SC 278). Rubble piles have lumber, scrap metal, bottles, asphalt roofing material and metal cans.

COORDINATES AND SIZE: Miscellaneous rubble piles over an approximately 50 ft. by 800 ft. area with center location of N101000, E80600 (Ref: Dwg. S5-G-125, Sheet 4).

INVENTORY OF CONTAMINANTS: One rubble pile of lumber is approximately 20 ft. by 50 ft. Other rubble is scattered in small piles over site area.

CURRENT USE: Open, but not a registered dumping site. Source of waste is from offplant personnel. Site is unauthorized dumping area. Signs displaying government property are limited north and adjacent of SC 278.

NATURE OF CONCERN: Housekeeping and unauthorized waste dumping.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Recommend transfer of lumber to the wood burning pit, Building 231-3F. Cleanup of other waste should be accomplished and transported to Sanitary Landfill, Building 740-G or Salvage Yard, Building 740-A. Action should be low priority, but include a date of completion for waste transfer.

Concentrate on better identifying plant property north of SC 278 with appropriate signs for trespassing and dumping. If further action persists, install fencing and gates north and adjacent to SC 278. Another alternative is to consider selling plant property north of SC 278.

MAH:dyc

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Traffic and Transportation Department

SITE DESCRIPTION AND LOCATION: Miscellaneous rubble piles east and west adjacent to dirt road running parallel and between Bragg Bay Road and Cemetary Road (Road 781.2). Site has many miscellaneous rubble piles covering 30 ft. east and west adjacent to the dirt road for about 0.2 miles north of SC 278. Site has scrap metal, lumber, tires, plastic, paint drums, asphalt material, bottles and metal cans.

COORDINATES AND SIZE: Miscellaneous rubble piles scattered over an approximate 800 ft. by 60 ft. area with center location of N101800, E80000.

INVENTORY OF CONTAMINANTS: No specific inventory, site waste is mixed and covers approximately 70% of site area.

CURRENT USE: Open, but not a registered dumping site. Source of waste is from offplant personnel. Site is unauthorized dumping area. Signs displaying government property are limited north and adjacent of SC 278.

NATURE OF CONCERN: Housekeeping and unauthorized waste dumping.

REGULATIONS: No specific regulations are applicable.

PRIORITY FOR CLEANUP: Low

PROGRAM: Recommend transfer of lumber to the wood burning pit, Building 231-3F. Cleanup of other waste should be accomplished and transported to Sanitary Landfill, Building 740-G or Salvage Yard, Building 740-A. Action should be low priority, but include a date of completion for waste transfer.

Concentrate on better identifying plant property north of SC 278 with appropriate signs for trespassing and dumping. If further action persists, install fencing and gates north and adjacent to SC 278. Another alternative is to consider selling plant property north of SC 278.

MAH:dyc

July 11, 1983
EAPD: G-NW-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T&T

SITE DESCRIPTION AND LOCATION: Building 715-G - Gas Pumps

COORDINATES AND SIZE: Gas pumps are designated as Building 715-G in Central Shops covering an area of approximately one half acre with the following coordinates: N 63200, E 49900

INVENTORY OF CONTAMINANTS: A one time release of approximately 3,000 gallons of gasoline in 1980.

CURRENT USE: Fuel storage tanks to support total Construction requirements. Storage cap at 120,000 gallons.

NATURE OF CONCERN: Precipitation runoff from pump area to S-14. A storm water outfall which received some cooling water before discharging into an unnamed tributary of Pen Branch which empties into Savannah River. Reference map S-14, Central Shops.

REGULATIONS: CERCLA

PROGRAM: No action necessary due to evaporation process since spill. 7

PRIORITY: Low

July 11, 1983
EAPD: G-NW-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T&T

SITE DESCRIPTION AND LOCATION: Concrete slab used as T&T wash rack.

COORDINATES AND SIZE: Wash rack is located in Central Shops with following
coordinates: N 63350, E 49700

INVENTORY OF CONTAMINANTS: Oil and grease, and surfactants.

CURRENT USE: Wash rack for T&T vehicles with listed pollutants being discharged
daily.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.
Precipitation runoff from 8491-11G wash rack to S-14 storm water
outfall, which discharges into an unnamed tributary of Pen Branch
which empties into Savannah River. Reference map S-14, Central
Shops.

REGULATIONS: NPDES

PROGRAM: Covered by NPDES Permit.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-19

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T&T

SITE DESCRIPTION AND LOCATION: Central Shops Area.

COORDINATES AND SIZE: Reference map S-14, Central Shops with the following
coordinates: N 64000, E 50200

INVENTORY OF CONTAMINANTS: Infrequent discharge of pollutants Pb, oil and grease.

CURRENT USE: Surface water runoff to a storm water outfall which received some
cooling water before discharging into an unnamed tributary of Pen
Branch which empties into Savannah River.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-20

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T&T

SITE DESCRIPTION AND LOCATION: Road Maintenance Equipment and Asphalt Storage Area designated as Building 622-G.

COORDINATES AND SIZE: Reference map S-13, Central Shops with the following coordinates: N 62000, E 49600

INVENTORY OF CONTAMINANTS: Infrequent discharge of pollutants No_3 ; org. N, org. P, surfactants.

CURRENT USE: Storm water runoff which infrequently carries off some listed pollutants to normally dry overflow from sewage sludge disposal basin to an unnamed tributary of Pen Branch which empties into Savannah River.

NATURE OF CONCERN: Potential contamination of drinking water supplies. Precipitation runoff to S-13. Reference map S-13, Central Shops.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: U-NW-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T&T

SITE DESCRIPTION AND LOCATION: Old TC-2 Slab and Surrounding Grounds.

COORDINATES AND SIZE: Approximately 20-25 acres ground surrounding slab known as TC-2 pad north of existing TC-1 with the following coordinates: N 89000, E 41000. Reference map T-1.

INVENTORY OF CONTAMINANTS: Infrequent acetate, acetone, alcohols B, benzene, chloroform, CL, CO₃, F, K, methylene, chloride, Mg, NH₄, NO₃, oil grease, PB, PO₄, SO₄, toluene.

CURRENT USE: Surface water runoff plus two internal sewers, to unnamed tributary of upper Three Runs Creek which empties into Savannah River.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: U-NW-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T&T

SITE DESCRIPTION AND LOCATION: Building 772-7G, Equipment Storage Facility and Surrounding Grounds.

COORDINATES AND SIZE: Approximately 5-8 acres ground surrounding Building 772-7G located at TC-1 area west of road C-2 located at the following coordinates: N 89100, E 40900. Reference map T-2.

INVENTORY OF CONTAMINANTS: Infrequent oil and grease.

CURRENT USE: Surface water runoff and average 2-8 pieces of equipment, storage lot.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Precipitation runoff of listed pollutants over described area to T-2, a normally dry storm water outfall to an unnamed tributary of upper Three Runs Creek which empties into Savannah River.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: U-NW-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T&T

DESCRIPTION AND LOCATION: "U" Area Abandoned Sewage Overflow Lagoon.

COORDINATES AND SIZE: This abandoned lagoon and sanitary sewer line is south of road C-2 with the following coordinates: N 85000, E 43000

INVENTORY OF CONTAMINANTS: Abandoned (No known contaminants).

CURRENT USE: Abandoned lagoon - normally dry.

NATURE OF CONCERN: None unless reactivated.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: U-NW-4

ENVIRONMENTAL ACTION PLAN

CUSTODIAN: T&T

SITE DESCRIPTION AND LOCATION: IMHOFF Sanitary Tank Designated as Building #607-U.
Reference map T-4.

COORDINATES AND SIZE: The sanitary sewage tank is estimated at 5,000 gallon capacity
and at the following coordinates: N 85011, E 43000

INVENTORY OF GOMTAMINANTS: NO₃, org. N, org. P, surfactants

CURRENT USE: Sanitary tank (IMHOFF) internal sewers.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Possible
contaminated runoff to unnamed tributary of upper Three Runs
Creek which empties into Savannah River.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY : Low

July 11, 1983
EAPD: U-NW-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: T&T

SITE DESCRIPTION AND LOCATION: Hector and surrounding grounds location on Road 2 due east of "D" Wing TC-1.

COORDINATES AND SIZE: Fenced area approximately 350 ft. x 275 ft. known as Hector with the following coordinates : N 87100, E 140300. Reference map T-5.

INVENTORY OF CONTAMINANTS: Infrequent oil and grease, Cl and Pb.

CURRENT USE: Surface water runoff plus five internal sewers.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Precipitation runoff of listed pollutants over described area to location known as T-5, a storm water outfall which discharges into an unnamed tributary of upper Three Runs Creek which empties into Savannah River.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building 714-9G houses Construction's Medical Department.

COORDINATES AND SIZE: Building 714-9G is located in Central Shops with the following coordinates: N 62200, E 51400

INVENTORY OF CONTAMINANTS: Kodak Developer Parts A&B hazardous ingredients:

Part A

- (1) Potassium hydroxide 10-15%
- (2) Hydroquinone 2-7%
- (3) p-Methylaminophenol 1-5%

Part B

- (1) Acetic acid 67-70%

CURRENT USE: Ten (10) gallons per month of combined developer discharged into drain.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Precipitation runoff from 714-9G to S-6, which is a storm water outfall with effluents discharge into an unnamed tributary of Four Mile Creek which empties into Savannah River. Reference map S-6, Central Shops.

REGULATIONS: Possible violation of NPDES Permit.

PROGRAM: Revise NPDES Permit if required.

PRIORITY: High

July 11, 1983
EAPD: G-NW-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building 8344-G houses Construction's PTL Facilities.

COORDINATES AND SIZE: Building 8344-G is located in Central Shops with the following coordinates: N 62400, E 51300

INVENTORY OF CONTAMINANTS: Kodak X-Ray Developer:

PART A

- (1) Potassium hydroxide 10-15%
- (2) Hydroquinone 2-7%
- (3) p-Methylaminophenol 1-5%

PART B

- (1) Acetic acid 67-70%

CURRENT USE: Film is processed daily with approximately three (3) gallons per month of combined developer discharged into drain.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Precipitation runoff from 8344-G to S-6, which is a storm water outfall with effluents discharge into an unnamed tributary of Four Mile Creek which empties into Savannah River. Reference map S-6, Central Shops.

REGULATIONS: Violation of NPDES Permit.

PROGRAM: Revise NPDES Permit.

PRIORITY: High

July 11, 1983
EAPD: G-NW-7

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Concrete Steam Cleaning Pad designated as Building 8307-G.

COORDINATES AND SIZE: Building 8307-G is located in Central Shops with the following coordinates: N 63600, E 51800

INVENTORY OF CONTAMINANTS: Oil and grease, glycol, and surfactants.

CURRENT USE: Equipment is cleaned by means of steam periodically with 10 to 15 gallons per month of listed pollutants being discharged.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Precipitation runoff from cleaning pad to outfall S-4, a non process discharge to holding lagoon to an unnamed tributary of Four Mile Creek which empties into Savannah River. Reference map S-4, Central Shops.

REGULATIONS: Violation of NPDES

PROGRAM: Will be removed under current shop expansion program. New Steam Cleaning Pad will be installed east of Building 8305-G with effluent going to same location. NPDES Permit required to cover effluent to S-4.

PRIORITY: High

July 11, 1983
EAPD: G-NW-11

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Concrete Steam Cleaning Pad designated as Building 8307-G.

COORDINATES AND SIZE: Building 8307-G is located in Central Shops with the following coordinates: N 63600, E 51800

INVENTORY OF CONTAMINANTS: Frequent discharge of oil and grease, glycol and surfactants in unknown quantities.

CURRENT USE: Equipment is cleaned by means of steam periodically with 10 to 15 gallons per month of listed pollutants being discharged.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Precipitation runoff from cleaning pad to outfall S-4, a non-process discharge to holding lagoon to an unnamed tributary of Four Mile Creek which empties into Savannah River. Reference map S-4, Central Shops.

REGULATIONS: Violation of NPDES regulation.

PROGRAM: Obtain NPDES Permit to cover pollutant runoff.

PRIORITY: High

July 11, 1983
EAPD: G-NS-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Fenced Fuel Buck Storage, Central Shops - designated 8318-G.

COORDINATES AND SIZE: Fenced area 175' - 100' with following coordinates: N 63200, E 49800. Reference map S-14, Central Shops.

INVENTORY OF CONTAMINANTS: Gas and diesel fuel spillage.

CURRENT USE: Fuel storage tanks - 140,000 gallons capacity.

NATURE OF CONCERN: (1) Infrequent spills, precipitation runoff to S-14. Storm water outfall which discharges into unnamed tributary of Pen Branch which empties into Savannah River.

(2) Existing soil contamination - 50 ft. x 100 ft. around storage tanks.

REGULATIONS: . CERCLA for cleanup of contamination.
. NPDES Permit needs to be revised.

PROGRAM: . Remove contaminated soil and upgrade facilities to limit future contamination.
. Obtain NPDES Permit to allow possible runoff of pollutants.

PRIORITY: High

July 11, 1983
EAPD: G-NS-9

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: 30 ft. x 30 ft. dirt floor in Building 8303-G in Central Shops.

COORDINATES AND SIZE: A portion of Building 8303-G serves as the Construction Machine Shop with the following coordinates: N 62900, E 51300

INVENTORY OF CONTAMINANTS: Unknown quantities of cutting oils has contaminated the Machine Shop.

CURRENT USE: Approximately two (2) quarts of cutting oil is being discharged to the ground per week.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Soil contamination.

REGULATIONS: Violation of RCRA

PROGRAM: . Remove contaminated soil and backfill.
. Pour 30 ft. x 30 ft. concrete floor to control future spills.

PRIORITY: High

July 11, 1983
EAPD: G-NS-10

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Lead Process Area - approximately 40 ft. east of Building 8328-G in Central Shops.

COORDINATES AND SIZE: The Lead Process Area is 40 ft. x 120 ft. with the following coordinates: N 62900, E 51600. Reference map S-2, Central Shops.

INVENTORY OF CONTAMINANTS: The Lead Process Area is contaminated with PB shavings and filings for a depth of approximately 10 inches.

CURRENT USE: Frequently used work area for lead shielding work with 20 to 30 lbs. deposited to the ground per week.

NATURE OF CONCERN: Soil contamination with some potential for contamination of drinking water supplies.

REGULATIONS: Violation of RCRA

PROGRAM:

- (1) Remove contaminated soil.
- (2) Pour concrete work slab to contain filings.
- (3) Properly dispose of filings.

PRIORITY: High

July 11, 1983
EAPD: G-NS-11

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Concrete Drum Storage Pad and Modular Form Cleaning and Coating Area, with the following coordinates: N 62500, E 51900. Reference map S-2, Central Shops.

COORDINATES AND SIZE: Concrete Drum Storage Pad and Modular Form Cleaning and Coating Building is 100 ft. north of Building 8491-G in Central Shops.

INVENTORY OF CONTAMINANTS: 10 ft. x 30 ft. area contaminated with hydrocarbons (release form oil) - quantity unknown.

CURRENT USE: Frequent form treatment operation and storage facilities for ten (10) drums.

NATURE OF CONCERN: Soil contamination with some potential for contamination of drinking water supplies.

REGULATIONS: Violation of RCRA

- PROGRAM:
- (1) Remove contaminated soil.
 - (2) Revise modular form cleaning and coating building pad to contain release form oil.
 - (3) Revise oil dispensing method from 55 gallon drums to prevent spillage.

PRIORITY: High

July 11, 1983
EAPD: G-NS-12

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Concrete Drum Storage Pad 50 ft. south of Building 8308-G in Central Shops.

COORDINATES AND SIZE: The 20 ft. x 50 ft. Concrete Drum Storage Pad is located with the following coordinates: N 62800, E 51400

INVENTORY OF CONTAMINANTS: Cutting and hydraulic oils, and other petroleum related products.

CURRENT USE: Constant storage for 55 gallon with drums average inventory of 15.

NATURE OF CONCERN: Soil contamination along south edge of concrete pad with some potential for contamination of drinking water supplies.

REGULATION: Violation of RCRA

- PROGRAM:
- . Remove contaminated soil and backfill.
 - . Store drums vertically to preclude having to build a dike around the area.
 - . Install individual pumps to evacuate contents of drums when needed.

PRIORITY: High

July 11, 1983
EAPD: G-NA-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building No. 8308-G is located in Central Shops and houses Construction's large heat treat furnace.

COORDINATES AND SIZE: The 8308-G furnace with the following coordinates: N 62900,
E 51100

INVENTORY OF CONTAMINANTS: Substantial quantities of fumes are being released which contain carbon monoxide. The furnace is rated at 8,960,000 BTU per hour.

CURRENT USE: Approximately sixteen (16) hours per month.

NATURE OF CONCERN: Substantial ambient air release of carbon monoxide.

REGULATIONS: Violation of CAA.

PROGRAM: Monitor to determine degree of contamination and corrective action required. Obtain permit to allow release.

PRIORITY: High

July 11, 1983
EAPD: G-MB-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Seepage Basin located 100 ft. southeast of Building 690-G (Ford Building).

COORDINATES AND SIZE: The Seepage Basin is 20 ft. x 38 ft. with the following coordinates: N 60500, E 52500

INVENTORY OF CONTAMINANTS: Unknown concentrations of RZ contaminated H₂O and sludge.

CURRENT USE: Heat Exchanger Test water - approximately 25,000 gallons per year.

NATURE OF CONCERN: Low Level RZ contamination in bottom of basin.

REGULATIONS: Violation of RCRA

PROGRAM: Monitor level of contamination in basin and remove contaminated H₂O and soil as required.

PRIORITY: High

July 11, 1983
EAPD: G-MS-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Six thousand gallons storage tank servicing the Ford Building.

COORDINATES AND SIZE: The six thousand (6,000) gallons storage tank is buried 100 ft. east of Building 690-G with the following coordinates: N 60500, E 52500

INVENTORY OF CONTAMINANTS: Unknown concentrations of RZ contaminated water and sludge.

CURRENT USE: Heat exchanger test water holding tank.

NATURE OF CONCERN: Suspected tank or pipe leakage. Potential for contamination of drinking water.

REGULATIONS: Violation of RCRA

PROGRAM: Test tank and piping system and replace as required. Monitor soil beneath tank and piping system and remove if required.

PRIORITY: High

July 11, 1983
EAPD: U-NW-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Visitor and Employee Parking Lots for TC-1
Facilities located on road C-2. Reference map T-6.

COORDINATES AND SIZE: Approximately 2½ acres water shed from paved parking lots and
at the following coordinates: N 41200, E 86400

INVENTORY OF CONTAMINANTS: Oil and grease (infrequent).

CURRENT USE: Construction Parking Facilities.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Possible
contaminated runoff to unnamed tributary of upper three runs creek
which empties into Savannah River.

REGULATIONS: Violation of NPDES Permit.

PROGRAM: Revise NPDES Permit to increase runoff pollutants from parking lots.

PRIORITY: High

July 11, 1983
EAPD: G-NS-7

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Labor Storage Slab within Central Shops.

COORDINATES AND SIZE: Labor storage slab - 60 ft. x 80 ft. south of Building 2657-G, with following coordinates: N 63800, E 52300. Soil contaminated area size - 10 ft. by 20 ft. approximately 10 cubic yards.

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Storage area - labor supplies.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Percipitation run off to S-2 outfall to unnamed tributary of Four Mile Creek which empties into Savannah River. Soil contamination by oil and grease.

REGULATIONS: CERCLA

PROGRAM: Remove contaminated soil and backfill.

PRIORITY: Medium

July 11, 1983
EAPD: G-NS-8

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Central Shops underground heating oil distribution system.

COORDINATES AND SIZE: Central Shops heating oil distribution system from 8318-G, with the following coordinates: N 63200, E 49800, underground to all oil heaters in Central Shops.

INVENTORY OF CONTAMINANTS: Heating oil (DF#2) leakage of soil contamination.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Unknown quantities of periodic oil leakage throughout shop area over past several years - known leakage during 1979-80 time frame approximately 10,000 gallons. No known leakage at this time, system tested second quarter 1983.

REGULATIONS: CERCLA

PROGRAM:

- . Take core samples to determination degree of contamination and extent of clean-up.
- . Remove contaminated soil as required.
- . Replace deteriorated portions of heating oil distribution system.

PRIORITY: Medium

July 11, 1983
EAPD: G-NA-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building No. 714-8G is located in Central Shops and houses Construction's T&I activities.

COORDINATES AND SIZE: Building No. 714-8G with the following coordinates: N 62700,
E 50900

INVENTORY OF CONTAMINANTS: Substantial quantities of welding fumes are being released which contain zinc oxide.

CURRENT USE: Galvanize welding is conducted daily.

NATURE OF CONCERN: Possible contaminated ambient air release.

REGULATIONS: Possible violation of CCA

PROGRAM: Conduct air samples to determine extent and degree of contamination and course of action for correction.

PRIORITY: Medium

July 11, 1983
EAPD: G-NA-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building No. 8344-G is located in Central Shops and houses Construction's PTL activities.

COORDINATES AND SIZE: Building No. 8344-G with the following coordinates: N 62500,
E 51300

INVENTORY OF CONTAMINANTS: Evaporation of one quart of 1,1,1-Trichloroethane daily.

CURRENT USE: 1 quart per day which evaporates into atmosphere.

NATURE OF CONCERN: Possible contaminated ambient air release.

REGULATIONS: Possible violation of CCA.

PROGRAM: Conduct air sample to determine extent and degree of contamination, and course of action for correction.

PRIORITY: Medium

July 11, 1983
EAPD: G-NA-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building No. 8317-G is located in Central Shops and houses the Construction's Sheetmetal Department.

COORDINATES AND SIZE: Building 8317-G with the following coordinates: N 62400,
E 50600

INVENTORY OF CONTAMINANTS: Substantial quantities of welding fumes are being released which contain zinc oxide.

CURRENT USE: Galvanize welding is conducted daily.

NATURE OF CONCERN: Possible contaminated ambient air release.

REGULATIONS: Possible violation of CCA.

PROGRAM: Conduct air samples to determine extent and degree of contamination and course of action for correction.

PRIORITY: Medium

July 11, 1983
EAPD: G-NA-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building No. 8308-G is located in Central Shops and houses the Construction's Millwright Shop.

COORDINATES AND SIZE: Building 8308-G with the following coordinates: N 63000,
E 51200

INVENTORY OF CONTAMINANTS: Substantial quantities of welding fumes are being released which contain zinc oxide.

CURRENT USE: Galvanize welding is conducted daily.

NATURE OF CONCERN: Possible contaminated ambient air release.

REGULATIONS: Possible violation of CCA.

PROGRAM: Conduct air samples to determine extent and degree of contamination and course of action for correction.

PRIORITY: Medium

July 11, 1983
EAPD: G-NA-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building No. 8307-G is located in Central Shops and houses Construction's Structural Iron Fabrication Shop.

COORDINATES AND SIZE: Building 8307-G with the following coordinates: N 62800,
E 50600

INVENTORY OF CONTAMINANTS: Substantial quantities of welding fumes are being released which contain zinc oxide.

CURRENT USE: Galvanize welding is conducted daily.

NATURE OF CONCERN: Possible contaminated ambient air release.

REGULATIONS: Possible violation of CCA.

PROGRAM: Conduct air samples to determine extent and degree of contamination and course of action for correction.

PRIORITY: Medium

July 11, 1983
EAPD: G-NW-8

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Abandoned Parking Lot.

COORDINATES AND SIZE: Parking lot is located in Central Shops covering an area of approximately three acres with the following coordinates:
N 64800, E 51000

INVENTORY OF CONTAMINANTS: Oil and grease

CURRENT USE: Abandoned Parking Lot.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Possible listed pollutants to normally dry storm water outfall S-1 to an unnamed tributary of Four Mile Creek which empties into Savannah River. Reference map S-1, Central Shops.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-9

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Central Shops Area.

COORDINATES AND SIZE: Shop area of approximately ten acres within Central Shops with the following coordinate center N 63800, E 51600. Reference map S-2, Central Shops.

INVENTORY OF CONTAMINANTS: Al, Fe, glycol, oil and grease, surfactants.

CURRENT USE: Surface water runoff plus four internal sewers.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Precipitation runoff of listed pollutants over described area to S-2, a non process sewer outfall to an unnamed tributary of Four Mile Creek which empties in Savannah River.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-10

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Central Shops Area.

COORDINATES AND SIZE: Area covers approximately two acres just outside of the Central Shops fence with the following coordinates: N 64000, E 52700. Reference map S-3, Central Shops.

INVENTORY OF CONTAMINANTS: No known contaminants.

CURRENT USE: Surface water runoff.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-12

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Central Shops Abandoned Parking Lot.

COORDINATES AND SIZE: Abandoned parking lot covers an area of approximately three acres just outside of the Central Shops fence with the following coordinates: N 62600, E 52800. Reference map S-5, Central Shops.

INVENTORY OF CONTAMINANTS: No known contaminants.

CURRENT USE: Surface water runoff.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-13

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Central Shops Area.

COORDINATES AND SIZE: Area covers approximately five acres within Central Shops with the following coordinates: N 62200, E 52000. Reference map S-6, Central Shops.

INVENTORY OF CONTAMINANTS: Infrequent discharge of pollutants acetate, Ag, Br, Cr, Fe, Mg, oil and grease, org. N, Pb surfactants, Zn in unknown quantities.

CURRENT USE: Storm water outfall which receives some x-ray processor wash water effluents discharged into an unnamed tributary of four mile creek which empties into Savannah River.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-14

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Central Shops area in the vicinity of the Ford Building (690-G).

COORDINATES AND SIZE: Reference map S-7, Central Shops with following coordinates N 60800, E 53000

INVENTORY OF CONTAMINANTS: Infrequent discharge of pollutants No_3 , org. N, org. P, surfactants.

CURRENT USE: Internal sewer discharge to a normally dry overflow from a sanitary waste water lagoon to an unnamed tributary of Four Mile Creek which empties into Savannah River.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-15

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Central Shops area in the vicinity of the Ford Building (690-G).

COORDINATES AND SIZE: Reference map S-8, Central Shops with the following coordinates: N 60600, E 52600

INVENTORY OF CONTAMINANTS: Infrequent discharge of pollutants Cl, Cu, Fe, Ni, Zn, Mg.

CURRENT USE: Storm water outfall which receives some cooling water before discharging into an unnamed tributary of Pen Branch which empties into Savannah River.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-16

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Active Parking for Central Shops Personnel.

COORDINATES AND SIZE: Reference map S-10, Central Shops with the following
coordinates: N 60400, E 51600

INVENTORY OF CONTAMINANTS: Motor oil leakage from vehicles.

CURRENT USE: Pollutants from daily leakage of motor oil to a normally dry storm
water outfall to an unnamed tributary of Pen Branch which empties into
Savannah River.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-17

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Central Shops Area.

COORDINATES AND SIZE: Reference map S-11, Central Shops with the following
coordinates: N 61200, E 50600

INVENTORY OF CONTAMINANTS: Infrequent discharge of pollutants Fe, No_3 , oil and
grease, org. N, org. P, P surfactants, Zn, Mg.

CURRENT USE: Sanitary sewer discharge to an unnamed tributary of Pen Branch which
empties into Savannah River.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NW-18

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Central Shops Area.

COORDINATES AND SIZE: Reference map S-12, Central Shops with the following
• coordinates: N 62400, E 51000

INVENTORY OF CONTAMINANTS: Infrequent discharge of pollutants alcohols, Cl, No₃,
oil and grease, org. N, Org. P, SO₄, surfactants.

CURRENT USE: Surface water runoff to a normally dry storm water outfall to an
unnamed tributary of Pen Branch which empties into Savannah River.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NS-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Equipment Oil Storage Pad.

COORDINATES AND SIZE: Concrete storage pad, 15 ft. x 30 ft., approximately 200 ft. east of 714-G, having approximately 100 square feet on contaminated soil adjacent to pad.

INVENTORY OF CONTAMINANTS: Past periodic leakage of oil from 55 gallon drums.

CURRENT USE: No longer used.

NATURE OF CONCERN: Limited soil contamination - potential for contamination of drinking water supplies.

REGULATIONS: CERCLA

PROGRAM: Construction will remove contaminated soil and storage pad.

PRIORITY: Low

July 11, 1983
EAPD: G-NS-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: T&I Building - 714-8G in Central Shops

COORDINATES AND SIZE: Building No. 714-8G located in Central Shops with following coordinates: N 62700, E 51000

INVENTORY OF CONTAMINANTS: Diluted hydrofluoric, hydrochloric and nitric acids are being discharged to a french drain located north of the center of the building.

CURRENT USE: One pint of diluted acids discharged to french drain per month.

NATURE OF CONCERN: Pollutants carried via sewer to underground french drain. No runoff.

REGULATIONS: Violation of RCRA

PROGRAM:

- . Remove contaminated soil, sewer and french drain.
- . Contain discharge pollutants in stainless steel container and dispose of properly.

July 11, 1983
EAPD: G-NS-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building 8303-G located in Central Shops.

COORDINATES AND SIZE: Building 8303-G is the Construction Heavy Equipment Repair Facility with the following coordinates: N 63800, E 51500. Reference map S-2, Central Shops.

INVENTORY OF CONTAMINANTS: Al, Fe, glycol, Mg, oil and grease, and surfactants.

CURRENT USE: Daily repairs on heavy equipment with listed contaminants being discharged by storm water runoff to outfall S-2, a non process outfall to an unnamed tributary of Four Mile Creek which empties into Savannah River.

NATURE OF CONCERN: Potential contamination of drinking water supplies.

REGULATIONS: NPDES

PROGRAM: Adequate program in place.

PRIORITY: Low

July 11, 1983
EAPD: G-NS-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building 8305-G located in Central Shops, housing the Construction Transportation activities.

COORDINATES AND SIZE: Building 8305-G with the following coordinates: N 63800, E 51400. Reference map S-2, Central Shops.

INVENTORY OF CONTAMINANTS: Al, Fe, glycol, oil and grease, and surfactants.

CURRENT USE: The potential exist for pollution by listed contaminants by means of surface water runoff.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATION: NPDES

PROGRAM: Adequate program in place.

PRIORITY: Low

July 11, 1983
EAPD: G-MB-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building 690-G located in the Central Shops area and known as the Ford Building, Reference map S-9, Central Shops.

COORDINATES AND SIZE: Building 690-G with the following coordinates: N 60600, E 52500

INVENTORY OF CONTAMINANTS: Infrequent discharge of pollutants, oil and grease, and surfactants.

CURRENT USE: Process sewer outfall to low level radioactivity seepage basin. This basin has no overflow.

NATURE OF CONCERN: Potential for contamination of drinking water supplies. Precipitation runoff to S-9. Reference map S-9, Central Shops.

REGULATIONS: Covered by NPDES Permit.

PROGRAM: Current NPDES Permit is adequate.

PRIORITY: Low

July 11, 1983
EAPD: G-NP-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building 631-3G (Central Shops) Rubble Pit is located northeast of Central Shops between Road "C" and Road 5. Reference map M-12.

COORDINATES AND SIZE: The pits are approximately 50 ft. x 400 ft. located as following:

N 65095.25, E 53160.61
N 65156.68, E 53250.58
N 64728.77, E 53441.19
N 64712.54, E 53377.11

INVENTORY OF CONTAMINANTS: Pits may contain asbestos, batteries, paint cans and fluorescent light fixtures.

CURRENT USE: Site is be used as a rubble pit for non salvageable material such as: concrete, brick, tile, asphalt, hard plastics, wall board and rubber products.

NATURE OF CONCERN: There is some potential for contamination of the drinking water supplies.

REGULATIONS: Possible violation of RCRA

PROGRAM: . Monitoring wells needed around pit area.
. Use of site as rubble pit will continue.

PRIORITY: Low

July 11, 1983
EAPD: G-NP-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building 631-2G (Central Shops) Burning Pit is located northeast of Central Shops between Road "C" and Road 5. Reference map M-12.

COORDINATES AND SIZE: The pit is approximately 300 ft. x 300 ft. with the following coordinates as the estimated center: N 65000, E 52800

INVENTORY OF CONTAMINANTS: Rubble, scrap lumber, poles, crates, pallets, unsalvageable wood products, etc. Pit is burned quarterly.

CURRENT USE: Burning pit for unsalvageable wood products.

NATURE OF CONCERN: There is some potential for contamination of drinking water supplies.

REGULATIONS: Possible violation of RCRA

PROGRAM: . Monitoring wells needed around pit area.
. Use of site as burning pit will continue.

PRIORITY: Low

July 11, 1983
EAPD: G-NP-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building 080-22G, Asbestos Pit is located off Road A-6.2 northeast of 100-C. Reference map M-12.

COORDINATES AND SIZE: The pits are approximately 60 ft. x 300 ft. and located at the following coordinates:

N 69212, E 49685
N 69512, E 49685
N 69212, E 49745
N 69512, E 49745

INVENTORY OF CONTAMINANTS: Pits may contain asbestos, metal pipe, plastic bags, piping insulation and rubber products.

CURRENT USE: Site is being used as a rubble pit for asbestos materials.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Possible violation of RCRA

PROGRAM: . Monitor wells needed around pit area.
. Use of site as burial pit for asbestos materials will continue.

PRIORITY: Low

July 11, 1983
EAPD: G-NP-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building 631-8G, Rubble Pit is located west of Road A-4.7, northeast of Building 681-3G (River Pump House 3G). Reference map K-10.

COORDINATES AND SIZE: The pit size is approximately 110 ft. x 143 ft. x 311 x 379 ft. with the following coordinates as the estimated center: N 67500, E 17100

INVENTORY OF CONTAMINANTS: Pit may contain concrete, asphalt, poles and tree trunks.

CURRENT USE: Site is being used as a rubble pit for tree trunks.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Possible violation of RCRA.

PROGRAM: Current usage would seem to be permissible.

PRIORITY: Low

July 11, 1983
EAPD: G-NP-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Rubble Pit - located west of Road "C" and north of Burma Road approximately 500 yards. Reference map M-12.

COORDINATES AND SIZE: The pit is approximately 300 ft. square with the following coordinates as the estimated center: N 79900, E 48750

INVENTORY OF CONTAMINANTS: Pit contains asphalt and waste concrete.

CURRENT USE: Site is being used for waste concrete and asphalt for erosion control.

NATURE OF CONCERN: Potential for contamination of drinking water supplies.

REGULATIONS: Possible violation of RCRA.

PROGRAM: Current usage would seem to be permissible.

PRIORITY: Low

July 11, 1983
EAPD: F-NP-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: Construction

SITE DESCRIPTION AND LOCATION: Building 231-4F (Burma Road) Rubble Pit is located west of Road "C" and south of Burma Road. Reference map M-12.

COORDINATES AND SIZE: The pits are approximately 160 ft. x 500 ft. located as follows:

N 77367, E 50573
N 77467, E 50520
N 77163, E 50083
N 77312, E 50036

INVENTORY OF CONTAMINANTS: Pits may contain asbestos, batteries, paint cans and fluorescent light fixtures.

CURRENT USE: Site is being used as a rubble pit for non salvageable material such as: concrete, brick, tile, asphalt, hard plastics, wall board and rubber products.

NATURE OF CONCERN: There is some potential for contamination of the drinking water supplies.

REGULATIONS: Possible violation of RCRA.

PROGRAM: . Monitoring wells needed around pit area.
. Use of site as rubble pit will continue.

PRIORITY: Low

Revision Date: 9/8/83
EAPD: G-OW-8

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall PP-1 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to Par Pond.

COORDINATES AND SIZE: Outfall located at latitude 33°15'04"N and longitude 81°33'14"W.

INVENTORY OF CONTAMINANTS: Infrequently KMnO_4 , oil and grease.

CURRENT USE: Receives surface runoff from miscellaneous sources, cooling water, and backflush from filter in domestic water treatment system.

NATURE OF CONCERN: Potential exists for exceeding NPDES permit limits and/or release of reportable quantities of hazardous pollutants other than those listed in the NPDES permit application.

REGULATIONS: NPDES permit; CERCLA.

PROGRAM: Develop processes to remove hazardous constituents from waste water generated by SRL facilities. Treat discharge to outfall PP-1 as appropriate.

PRIORITY: High (Develop cleanup capability.)
Low (Treat discharge to outfall PP-1.)

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: The site of the former waste seepage/settling basin (Building 904-76G), is located just outside the area fence in the southwestern part of TNX.

COORDINATES AND SIZE: The waste basin was located at N71128, E16939 and encompassed about 0.3 acre.

INVENTORY OF CONTAMINANTS: Prior to being withdrawn from service the basin received discharges of natural uranium and thorium, very small amounts of beta-gamma emitters, and other hazardous pollutants such as mercuric nitrate.

CURRENT USE: The basin was removed from service in 1980, pumped out, backfilled, and capped with clay.

NATURE OF CONCERN: Mercury levels above drinking water limits have been detected in groundwater from monitoring wells near the basin site. Overflow from the basin has deposited about 30 lb of mercury onto a small delta located at N70950, E16645.

REGULATIONS: DOE Order 5480.1A, chapter XI, and SCDHEC regulations implementing the South Carolina Hazardous Waste Management Act.

PROGRAM: Activities are underway to better define the extent of radioactive and hazardous chemical contamination in the soils and groundwater in the vicinity of the basin and in the soil, water, and vegetation of the swamp so that a closure plan can be developed.

PRIORITY: High

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: The existing waste seepage/settling basin (Building 904-102G) is located east of River Road (A-4.7) opposite the southern part of TNX.

COORDINATES AND SIZE: The waste basin was located at N71105, E17855 (northeaster corner) and encompasses about 0.4 acre.

INVENTORY OF CONTAMINANTS: Basin receives discharges of natural uranium in small amounts, inorganic chemicals, and small amounts of mercury previously deposited in the process sewer.

CURRENT USE: The seepage/settling basin receives process wastes from TNX facilities. The overflow frequently infiltrates into the ground before reaching the Savannah River swamp.

NATURE OF CONCERN: Contamination levels of Cd, Cr, Hg, Pb, and nitrate have exceeded drinking water standards in nearby groundwater monitoring wells.

REGULATIONS: DOE Order 5480.1A, chapter XI, and SCDHEC regulations implementing the South Carolina Hazardous Waste Management Act.

PROGRAM: Groundwater quality is currently being monitored in four wells located near the basin. See EPAD: TNX-MW-1 for plans for treating the basin influent.

PRIORITY: High (for continued monitoring).

Revision Date: 9/8/83
EAPD: TNX-MW-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-13 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'42"N and longitude 81°45'27"W.

INVENTORY OF CONTAMINANTS: Small amounts of uranium, organic and inorganic chemicals, and small amounts of mercury previously deposited in the process sewer.

CURRENT USE: Receiving overflow from the existing settling/seepage basin (Building 904-102G) which receives essentially all process wastewater discharged from TNX facilities.

NATURE OF CONCERN: Potential exists for exceeding NPDES permit limits and/or release of reportable quantities of hazardous pollutants other than those listed in the NPDES permit application.

REGULATIONS: NPDES permit; CERCLA.

PROGRAM: A wastewater treatment facility for pH correction will be installed under Project 83-SR-021. Other treatments will be applied as treatment capabilities are developed.

PRIORITY: High

Revision Date: 9/8/83
EAPD: TNX-OW-4

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-4 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'37"N and longitude 81°45'40"W.

INVENTORY OF CONTAMINANTS: Low concentrations of miscellaneous organic and inorganic chemicals.

CURRENT USE: Receives cooling water, and floor and roof drainage from Building 677-G.

NATURE OF CONCERN: Potential exists for exceeding NPDES permit limits and/or release of reportable quantities of hazardous pollutants other than those listed in the NPDES permit application.

REGULATIONS: NPDES permit; CERCLA.

PROGRAM: Develop processes to remove hazardous constituents from wastewater generated by SRL facilities. Treat discharge to outfall X-4 as appropriate.

PRIORITY: High (Develop cleanup capability.)
Low (Treat discharge to outfall X-4.)

Revision Date: 9/8/83
EAPD: TNX-OW-8

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-8 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'38"N and longitude 81°45'45"W.

INVENTORY OF CONTAMINANTS: Low concentrations of miscellaneous organic and inorganic chemicals.

CURRENT USE: Receives cooling water, domestic water overflow, cooling water tower blowdown, and drainage from several laboratory sinks.

NATURE OF CONCERN: Potential exists for exceeding NPDES permit limits and/or release of reportable quantities of hazardous pollutants other than those listed in the NPDES permit application.

REGULATIONS: NPDES permit; CERCLA.

PROGRAM: Develop processes to remove hazardous constituents from wastewater generated by SRL facilities. Treat discharge to outfall X-8 as appropriate.

PRIORITY: High (Develop cleanup capability.)
Low (Treat discharge to outfall X-8.)

Revision Date: 9/8/83
EAPD: TNX-OW-12

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-12 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'45"N and longitude 81°45'35"W.

INVENTORY OF CONTAMINANTS: Low concentrations of organic and inorganic chemicals.

CURRENT USE: Receives surface runoff from miscellaneous sources and drainage for the half-scale waste tank (Building 080-10G).

NATURE OF CONCERN: Potential exists for release of reportable quantities of hazardous pollutants other than those listed in the NPDES permit application.

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: Develop processes to remove hazardous constituents from wastewater generated by SRL facilities. Treat discharge to outfall X-12 as appropriate.

PRIORITY: High (Develop cleanup capability.)
Low (Treat discharge to outfall X-12.)

Revision Date: 8-25-83
EAPD: A-NB-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Four seepage basins located in the 700-A Area south of Road 1-A, west of Road D-1.

COORDINATES AND SIZE: Basin 1 and 2 (Building 904-53G) located at N105510, E52687; Basin 3 (Building 904-54G) located at N105840, E52853; Basin 4 (Building 904-55G) located at N105636, E53075. Basins 1, 2, 3, and 4 encompass 0.2, 0.4, 0.5, and 1.0 acres, respectively.

INVENTORY OF CONTAMINANTS: Tritium, beta-gamma and alpha emitters, and other hazardous pollutants such as chromium, lead, and chlorinated organics.

CURRENT USE: Inactive. The 700-A Area seepage basins were removed from service in October 1982.

NATURE OF CONCERN: Possible contamination of onsite and offsite drinking water supplies.

REGULATIONS: DOE Order 5480.1A, chapter XI, and SCDHEC regulations implementing the South Carolina Hazardous Waste Management Act.

PROGRAM: Activities are underway to better define the extent of radioactive and chemical contamination of the soils and groundwater beneath and adjoining the basins so that a closure plan can be developed.

PRIORITY: High

Revision Date: 9/8/83
EAPD: TNX-RA-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Fifty foot high stack adjacent to Building 677-G which discharges exhaust from laboratory hoods and facilities located in Building 677-G.

COORDINATES AND SIZE: Stack located at N71050, E17090.

INVENTORY OF CONTAMINANTS: Small amounts of uranium and miscellaneous chemicals including benzene.

CURRENT USE: Discharges exhaust from building ventilation, laboratory hoods, uranium IV facility (currently idle), and pilot scale facility for decomposing sodium tetraphenylboron by acid hydrolysis.

NATURE OF CONCERN: Potential for release of hazardous pollutants in reportable quantities. Stack discharge is not monitored, but current releases are believed to be within applicable regulatory limits.

REGULATIONS: DOE Order 5480.1A, chapter XI, and EPA regulations implementing CERCLA.

PROGRAM: Initiate sampling and analysis of stack discharge.

PRIORITY: Moderate

Revision Date: 9/8/83
EAPD: G-OW-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall FS-1 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to Upper Three Runs Creek.

COORDINATES AND SIZE: Outfall located at latitude 33°17'08"N and longitude 81°41'42"W.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Nonprocess cooling water outfall.

NATURE OF CONCERN: None

REGULATIONS: NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 9/8/83
EAPD: G-OW-7

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall FS-2 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to Upper Three Runs Creek.

COORDINATES AND SIZE: Outfall located at latitude 33°17'08"N and longitude 81°41'42"W.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Nonprocess cooling water outfall.

NATURE OF CONCERN: None

REGULATIONS: NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/14/83
EAPD: G-OW-9

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall PP-2 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to Par Pond.

COORDINATES AND SIZE: Outfall located at latitude 33°15'03"N and longitude 81°33'27"W.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Receives surface runoff from miscellaneous sources.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/14/83
EAPD: TNX-OW-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-1 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'39"N and longitude 81°45'33"W.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Receives surface runoff from Building 677-G and environs.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/14/83
EAPD: TNX-OW-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-2 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'37"N and longitude 81°45'37"W.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Receives surface runoff from old settling/seepage basin (Building 904-76G) which is now backfilled and capped.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/14/83
EAPD: TNX-OW-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-3 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'36"N and longitude 81°45'43"W.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Receives surface runoff from Building 678-G and environs.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/14/83
EAPD: TNX-OW-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-5 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'39"N and longitude 81°45'39"W.

INVENTORY OF CONTAMINANTS: Infrequently oil and grease.

CURRENT USE: Receives surface runoff from miscellaneous sources.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/14/83
EAPD: TNX-OW-6

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-6 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'40"N and longitude 81°45'41"W.

INVENTORY OF CONTAMINANTS: None

CURRENT USE: Receives surface runoff from miscellaneous sources.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/14/83
EAPD: TNX-OW-7

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-7 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'40"N and longitude 81°45'40"W.

INVENTORY OF CONTAMINANTS: Infrequently oil and grease.

CURRENT USE: Receives surface runoff from miscellaneous sources.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/25/83
EAPD: TNX-OW-9

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-9 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'45"N and longitude 81°45'48"W.

INVENTORY OF CONTAMINANTS: Infrequently Kaolin clay.

CURRENT USE: Receives overflow from a settling/seepage basin (Building 679-4G) that occasionally receives drainage (simulated sludge) from a mock waste tank (Building 679-5G).

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/14/83
EAPD: TNX-OW-10

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-10 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'41"N and longitude 81°45'40"W.

INVENTORY OF CONTAMINANTS: Infrequently oil and grease.

CURRENT USE: Receives surface runoff from miscellaneous sources.

NATURE OF CONCERN: None

REGULATIONS: Listed in NPDES permit application, but not regulated.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/25/83
EAPD: TNX-OW-11

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall X-11 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to the Savannah River swamp.

COORDINATES AND SIZE: Outfall located at latitude 33°12'44"N and longitude 81°45'37"W.

INVENTORY OF CONTAMINANTS: Infrequently oil and grease, Pb.

CURRENT USE: Receives surface runoff from miscellaneous sources, cooling water, and in the near future, clean effluent from a reverse osmosis facility.

NATURE OF CONCERN: None

REGULATIONS: NPDES permit.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/25/83
EAPD: U-RF-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Test reactor building (Building 770-U) containing the Heavy Water Components Test Reactor (HWCTR).

COORDINATES AND SIZE: Seventy foot diameter building located at N86790, E42090.

INVENTORY OF CONTAMINANTS: As of 7/83, the reactor building contained an estimated 7,300 Ci of activation products (2,400 Ci ⁶³Ni, remainder ⁶⁰Co and ⁵⁵Fe) and 0.8 mCi of plutonium.

CURRENT USE: HWCTR is retired (excessed) in place.

NATURE OF CONCERN: The presence of long-lived radionuclides in hazardous amounts requires controlled access and periodic inspections to ensure protection of the public and the environment.

REGULATIONS: None

PROGRAM: None, until a site decommissioning plan is formulated.

PRIORITY: Low

Revision Date: 8/14/83
EAPD: A-NW-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall A-1 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall drains to Tims Branch.

COORDINATES AND SIZE: Outfall located at latitude 33°20'48"N and longitude 81°44'00"W.

INVENTORY OF CONTAMINANTS: Low concentrations of a large number of hazardous and nonhazardous chemicals (e.g., Cl, F, toluene, chromate, formaldehyde, Hg).

CURRENT USE: Receives surface runoff from miscellaneous sources and wastewater from nine buildings.

NATURE OF CONCERN: Potential exists for exceeding NPDES permit limits and/or release of reportable quantities of hazardous pollutants other than those listed in the NPDES permit application. The streambed which receives discharges from outfall A-1 is contaminated with low levels of radioactivity (see EAPD: A-RS-1).

REGULATIONS: NPDES permit; CERCLA.

PROGRAM: None

PRIORITY: No action required.

Revision Date: 8/14/83
EAPD: A-OW-3

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Outfall A-25 in SRP Application for Renewal of NPDES Permit SC000175 (1981). Outfall discharge seeps into the ground west of Road 1.

COORDINATES AND SIZE: Outfall located at latitude 33°20'46"N and longitude 81°44'28"W.

INVENTORY OF CONTAMINANTS: Frequently Ca, Cl, NH₄, SO₃, surfactants. Infrequently low concentrations of hazardous and nonhazardous chemicals.

CURRENT USE: Nonprocess cooling water outfall.

NATURE OF CONCERN: Potential exists for release of reportable quantities of hazardous pollutants.

REGULATIONS: Listed in NPDES permit application, but not regulated; CERCLA.

PROGRAM: None

PRIORITY: No action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Contaminated streambed and associated flood plain extending for approximately 1 mile from the storm sewer outfall from Building 773-A just west of Road 1-A to the intersection of Tims Branch and the power line road.

COORDINATES AND SIZE: The principal zone of contamination is a triangular area of floodplain encompassing about 0.6 acre and centered at N106130, E52840. However, contamination of Tims Branch has been reported to extend downstream to about N101400, E55700.

INVENTORY OF CONTAMINANTS: Principally ^{244}Cm but possibly some ^{60}Co and ^{144}Ce .

CURRENT USE: Research activities to study curium uptake in vegetation have recently been conducted in the triangular area. Tims Branch receives aqueous discharges from 700-A Area facilities.

NATURE OF CONCERN: Curium-244 soil concentrations up to 30 pCi/g have been measured in the triangular zone of contamination. The EPA has proposed maximum dose rates for members of the public exposed to transuranium elements in the environment that convert to a concentration in surface soil of 13 pCi/g if the contamination is contained in the top cm of soil.

REGULATIONS: None

PROGRAM: None, unless standards that may be established for release of the SRP site for unrestricted use are exceeded.

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: A small area of soil contaminated with ^{244}Cm located just outside the fence in front of Building 773-A.

COORDINATES AND SIZE: N106580, E51015.

INVENTORY OF CONTAMINANTS: Approximately 53 mCi of ^{244}Cm were released to the atmosphere from Building 773-A in two separate incidents in the 1960's. About 40 acres between Building 773-A and Building 719-A were contaminated.

CURRENT USE: Unrestricted; primarily used by pedestrians and groundskeeping crews.

NATURE OF CONCERN: A maximum soil concentration of 0.26 uCi/m^2 measured in 1979 at the ~~located~~^{location} cited exceeded the EPA guidance limit of 0.2 uCi/m^2 for transuranics in the general environment. However, surveys conducted in 1969, 1973, and 1979 over the contaminated area show a progressive reduction in contamination levels. In 1979, only one of twenty locations surveyed exceeded the EPA guidance value.

REGULATIONS: None

PROGRAM: None

PRIORITY: Low

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Contaminated soil beneath E-wing of Building 773-A.

COORDINATES AND SIZE: The contamination is centered at approximately N106435, E51495.

INVENTORY OF CONTAMINANTS: The release to the soil in 1971 was estimated to be about 6 Ci of alpha (primarily ^{244}Cm) and 3 Ci of beta-gamma (primarily ^{60}Co and ^{144}Ce) activity.

CURRENT USE: The contamination is in soil under a floor slab, is isolated from sources of water, and is believed to be immobilized.

NATURE OF CONCERN: The contamination could pose a hazard to an inadvertent intruder and could endanger the groundwater (should the existing protection from infiltration be lost) for more than 100 years.

REGULATIONS: None

PROGRAM: None, unless standards that may be established for release of the SRP site for unrestricted use are exceeded.

PRIORITY: Low

Revision Date: 8/7/83
EAPD: A-RA-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Building 794-A is a sandfilter and 100-ft high stack which discharges ventilation air from the shielded cells and process exhaust from B, C, and F wings of Building 773-A.

COORDINATES AND SIZE: Stack located at approximately N104765, E51895.

INVENTORY OF CONTAMINANTS: Small amounts of gaseous and particulate radionuclides and miscellaneous laboratory chemicals are discharged from the stack into the atmosphere.

CURRENT USE: Stack for process areas of Building 773-A having greatest potential for radioactive releases.

NATURE OF CONCERN: The possible release of radionuclides in significant amounts and/or other hazardous pollutants in reportable quantities. Current releases are within applicable regulatory limits.

REGULATIONS: DOE Order 5480.1A, chapter XI, and EPA Regulations implementing CERCLA.

PROGRAM: Continue current program of sampling and monitoring radionuclides and initiate sampling of nonradioactive pollutants as the need arises.

PRIORITY: No action required.

Revision Date: 8/8/83
EAPD: A-RA-2

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: B- and C-wing stacks in Building 773-A are 75 ft high and discharge laboratory hood exhaust and ventilation air from room and offices.

COORDINATES AND SIZE: B-stack located at N106445, E51420, C-stack located at N106045, E51420.

INVENTORY OF CONTAMINANTS: Small amounts of gaseous and particulate radionuclides and miscellaneous laboratory chemicals.

CURRENT USE: Stack for process areas of Building 773-A having limited potential for radioactive releases. If exhaust activity exceeds prescribed levels, exhaust is diverted to sand filter in Building 794-A.

NATURE OF CONCERN: Possible release of radionuclides in significant amounts and/or other hazardous pollutants in reportable quantities. Current releases are within applicable regulatory limits.

REGULATIONS: DOE Order 5480.1A, chapter XI, and EPA Regulations implementing CERCLA.

PROGRAM: Continue current program of sampling and monitoring radionuclides and initiate sample of nonradioactive pollutants as the need arises.

PRIORITY: No action required.

Revision Date: 8/8/83
EAPD: A-RA-3

ENVIRONMENTAL ACTION PLAN DATA

CUSODIAN: SRL

SITE DESCRIPTION AND LOCATION: Twenty foot high stack to Building 776-A (Radioactive Waste Handling Facility).

COORDINATES AND SIZE: N106500, E52175

INVENTORY OF CONTAMINANTS: Small amounts of radionuclides and miscellaneous laboratory chemicals.

CURRENT USE: Discharge of building ventilation exhaust and vessel vent offgas from waste storage tanks.

NATURE OF CONCERN: Possible release of small amounts of radionuclides and/or other hazardous pollutants. Current releases are within applicable regulatory limits.

REGULATIONS: DOE Order 5480.1A, chapter XI, and EPA Regulations implementing CERCLA.

PROGRAM: Continue current program of sampling and monitoring radionuclides and initiate sampling of nonradioactive pollutants as the need arises.

PRIORITY: No action required.

Revision Date: 8/9/83
EAPD: A-RA-4

ENVIRONMENTAL ACTION DATA PLAN

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Two 31-ft high stacks that exhaust A-, C-, and D-wing laboratories in Building 735-A (Radiological and Environmental Sciences Laboratory).

COORDINATES AND SIZE: C-wing stack at N106150, E51805; A- and D-wing stack located at N106075, E51895.

INVENTORY OF CONTAMINATES: Small amounts of miscellaneous laboratory chemicals and very small amounts (below detection limits) of radionuclides.

CURRENT USE: Discharge of ventilation air and hood exhaust from bioassay and low level counting laboratories.

NATURE OF CONCERN: Possible release of small amounts of radionuclides and other hazardous pollutants. Current releases are within applicable regulatory limits.

REGULATIONS: DOE Order 5480.1A, chapter XI, and EPA regulations implementing CERCLA.

PROGRAM: Continue current program of sampling and monitoring radionuclides and initiate sampling of nonradioactive pollutants as the need arises.

PRIORITY: No action required.

Revision Date: 8/9/83
EAPD A-RA-5

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Two 20-ft high stacks to Building 779-A (Transfer Technology Laboratory).

COORDINATES AND SIZE: N106480, E51990 and N106430 and E51990.

INVENTORY OF CONTAMINANTS: Small amounts of hydrogen and miscellaneous laboratory chemicals and very small amounts (below detection limits) of depleted uranium.

CURRENT USE: Discharge of building ventilation and process hood exhausts to the atmosphere.

NATURE OF CONCERN: Possible release of hazardous pollutants. Current releases are within applicable regulatory limits.

REGULATIONS: DOE Order 5480.1A, chapter XI, and EPA regulations implementing CERCLA.

PROGRAM: Continue current program of sampling and monitoring radionuclides and initiate sampling of nonradioactive pollutants as the need arises.

PRIORITY: No action required.

Revision Date: 8/12/83
EAPD: TNX-MP-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Debris and contaminated ground from an evaporator explosion in 1953 was subsequently buried in shallow trenches northeast of Building 678-G at TNX. A cleanup campaign currently underway will remove most of the buried waste to the SRP burial ground. Five small areas containing waste which are difficult to clean up (e.g., buildings have been constructed over some of the buried waste) will remain after the current campaign.

COORDINATES AND SIZE: Coordinates and size of the five remaining waste sites are: (1) N71435, E17210 (230 ft²); (2) N71385, E17170 (270 ft²); (3) N71332, E17175 (60 ft²); (4) N71265, E17190 (300 ft²); and (5) N71235, E17385 (190 ft²).

INVENTORY OF CONTAMINANTS: After the current cleanup is completed, an estimated 60 lb of uranyl nitrate (about 5% of the initial spill) will remain in shallow trenches at the site.

CURRENT USE: None

NATURE OF CONCERN: Groundwater may become contaminated or standards yet to be established for decommissioning SRP facilities may be exceeded.

REGULATIONS: None presently in effect.

PROGRAM: At this time no further cleanup is planned.

PRIORITY: Low

Revision Date: 8/12/83
EAPD: TNX-NA-1

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Twenty-one ft high stack associated with Zurn Model 6 MS oil fired steam boiler located at TNX.

COORDINATES AND SIZE: Stack located at approximately N71660, E16815.

INVENTORY OF CONTAMINANTS: Typical combustion products from oil fired boilers, including particulates and SO₂.

CURRENT USE: Currently operating on a temporary basis. The Zurn boiler is expected to be returned to the leasor (Indeck Power Equipment Company) after the steam power line from D Area to TNX is completed (Project S-1558).

NATURE OF CONCERN: No concern. Current releases with no treatment are less than 7% of applicable limits.

REGULATIONS: SCDHEC Operating Permit O/P-02-353 (permit expires 10/31/83).

PROGRAM: Renew operating permit as needed.

PRIORITY: No remedial action required.

ENVIRONMENTAL ACTION PLAN DATA

CUSTODIAN: SRL

SITE DESCRIPTION AND LOCATION: Underground process sewer used to convey low level waste from Building 776-A to SRL seepage basin 1 located east of Road 1-A.

COORDINATES AND SIZE: The process sewer is about 1,000 ft long. Waste entered at approximately N105970, E51855 and exited at approximately N105625, E52615.

INVENTORY OF CONTAMINANTS: The sewer conveyed waste containing radionuclides and other hazardous pollutants such as chromium, lead, and chlorinated organics (refer to data sheet A-NB-1).

CURRENT USE: Inactive. Discharge of waste to the SRL seepage basins was terminated in October 1982.

NATURE OF CONCERN: Contamination levels in the sewer or in the adjacent soil (should the sewer have developed leaks while in service) may exceed standards yet to be established for decommissioning of SRP facilities.

REGULATIONS: None presently in effect.

PROGRAM: No action currently required.

PRIORITY: Low