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**FEDERAL FACILITY COMPLIANCE AGREEMENT  
(FFCA)- CLEAN AIR ACT (CAA) SECTION -  
ANNUAL PROGRESS REPORT ON THE  
REPLACEMENT OF AIR POLLUTION CONTROL  
DEVICES**

**07/03/89**

**DOE-1247-89  
DOE-FMPC/USEPA  
7  
REPORT**



**Department of Energy**

Oak Ridge Operations  
P.O. Box 2001  
Oak Ridge, Tennessee 37831-

July 3, 1989  
DOE-1247-89

Mr. Basil Constantelos, Director  
Waste Management Division - 5H-12  
U.S. Environmental Protection Agency  
230 South Dearborn Street  
Chicago, Illinois 60604

Dear Mr. Constantelos:

**FEDERAL FACILITY COMPLIANCE AGREEMENT (FFCA) - FEED MATERIALS  
PRODUCTION CENTER - CLEAN AIR ACT (CAA) SECTION - ANNUAL PROGRESS  
REPORT ON THE REPLACEMENT OF AIR POLLUTION CONTROL DEVICES**

The FFCA requires DOE to provide an annual progress report on the replacement of air pollution control devices at the Feed Materials Production Center (FMPC). Enclosed is a copy of the progress report for 1988. The original report was submitted on August 17, 1986 as a 30-day deliverable for the FFCA, CAA Section. The 1987 Progress Report was transmitted to USEPA-V on April 4, 1988. Consistent with the 1987 report, this year's report includes Table 1 which provides the status and proposed replacement schedule for existing dust collectors. Table 2 of the report is the installation schedule for the proposed new dust collectors.

If you have any questions on this report, please contact Jack Craig, of my staff, at FTS 774-6159.

Sincerely,

  
James A. Reafshyde  
FMPC Site Manager

DP-84:Craig

Attachments:

- 1 - 1988 Progress Report - Replacement of Air Pollution Control Devices
- 2 - Table 1 - Proposed Dust Collector Replacement Schedule
- 3 - Table 2 - Proposed New Dust Collector System Installation Schedule

cc w/atts.:

- C. A. McCord, USEPA-5
- D. Kee, USEPA-5
- G. Mitchell, OEPA-Dayton
- M. Hines, SWOAPCA

bcc w/atts.:

W. J. Neuffer, SE-31, ORO  
M. J. Galper, WMCO

ATTACHMENT 1

## 1988 PROGRESS REPORT - THE REPLACEMENT OF AIR POLLUTION CONTROL DEVICES

Background

The CAA Section of the FFCA requires the Department of Energy (DOE) to provide an annual progress report on the replacement of air pollution control devices to USEPA Region V. This progress report provides the status and the replacement schedule of all existing dust collectors identified at the FMPC. The 1987 Progress Report was submitted to USEPA Region V on April 4, 1988. On August 17, 1986, the proposed dust collector replacement schedule was submitted to U.S. EPA Region V as a 30-day deliverable for the FFCA, CAA Section.

Current Status

Table 1 provides the status and the proposed replacement schedule for fifty-eight (58) existing dust collectors. It includes a description of each dust collector, the funding year and the estimated completion date.

Among those existing dust collectors, sixteen (16) are scheduled to be replaced. During 1988, replacement of four dust collectors began with completion expected in 1989. Thirty-one (31) dust collector replacement projects were cancelled since the decision not to restart the N Reactor results in a phase out of several production operations at the FMPC. Ten (10) dust collectors are still under review for replacement requirements. Their schedules will be determined later. One dust collector was replaced in 1987 and reported in the 1987 Progress Report.

Summary and Conclusions

An annual progress report on the replacement of dust collectors at the FMPC is provided and satisfies requirements identified in the CAA section of the FFCA. Table 1 provides the replacement schedule for existing dust collectors. Table 2 provides the installation schedule for new dust collectors. Both schedules contain a description of each dust collector, the funding year and the estimated construction completion date. These dates are dependent upon many conditions including the availability of appropriated funds, reassessment of needs based on future production levels and any reprioritization which may occur.

ATTACHMENT 2

TABLE 1. Proposed Dust Collector Replacement Schedule

Plant No.	Dust Collector No.	Location and Service	FY Funding	Estimated Construction Complete
1	G2-2	2nd Floor SE, Drum Dumper	91	Cancelled
1	G2-64	4th Floor NW, Mill Area	91	Cancelled
1	G2-76	4th Floor SW, Mill Area	91	Cancelled
1	G2-172	4th Floor, NW, Sample Area	91	Cancelled
1	G2-6014	Shot Blaster	89	Cancelled
1	G2-6015	Drum Blaster Copper Shredder West Outside	89	Cancelled
1	G2-6042	2nd Floor NW, Fitz Mill/Pin Cutter	89	Jun 90
2/3	G1-94	4th Floor East, Digestion Dup Stations	87	Cancelled
2/3	G1-856	4th Floor Center, West Metal Dissolver	89	Feb 90
2/3	G2-103	4th Floor East, Denitration North Mill	85	Cancelled
2/3	G2-104	4th Floor East, Denitration South Mill	89	Cancelled
4	G4-1	4th Floor North, UO3 Dump Station	85	Cancelled
4	G4-2	4th Floor West, UF4 Package #2	85	Cancelled
4	G4-3	4th Floor North, Reactor Area Venilation	85	Cancelled
4	G4-4	4th Floor SE, UF4 Package	87	Apr 91
4	G4-5	4th Floor SW, Serves G4-11 Hoffman	85	Cancelled
4	G4-6	4th Floor, High Vacuum System	89	Cancelled
4	G4-7	4th Floor North, H2 Offgas	85	Cancelled
4	G4-12	4th Floor West, UF4 Package #3	85	Cancelled
4	G4-13	2nd Floor West, Bank 8 Packaging	85	Cancelled
4	G4-14	4th Floor South, UF4 Package #1	87	Apr 91
4	G4-15	1st Floor North, Enriched Drum Station	85	Cancelled
5	G5-247	2nd Floor, SW, West Jolters	88	Mar 90
5	G5-248	2nd Floor SE, East Jolters	88	Mar 90
5	G5-249	2nd Floor SW, #4 "F" Machine	86	Cancelled
5	G5-250	2nd Floor SW, #5 "F" Machine, W. Cap Station	86	Cancelled
5	G5-251	2nd Floor SE, #1 "F" Machine	85	Jun 89
5	G5-253	2nd Floor SE, #3 "F" Machine, E. Cap Station	85	Jun 89
5	G5-254	2nd Floor West Center, West Breakout	86	Feb 90
5	G5-256	2nd Floor East Center, East Breakout	86	Cancelled
5	G5-258	2nd Floor West Center, West Remelt	89	Cancelled
5	G5-259	2nd Floor MW, West Burnout	89	Cancelled
5	G5-260	2nd Floor East, East Remelt, East Separation	89	Feb 91
5	G5-261	2nd Floor ME, East Burnout, East Separation	89	Feb 91
5	G5-262	2nd Floor MW, West Burnout	92	TBD
5	G5-267	West Mezzanine, West Breakout	86	Feb 90
5	G5A-100	2nd Floor MW, W Separation Mold Cleaning	87	May 89
5	G5A-101	Roof Main. Shop, East Breakout	86	Cancelled
55	G55-E-100	Top Floor	85	Jun 89

TABLE 1. Proposed Dust Collector Replacement Schedule (continued)

Plant No.	Dust Collector No.	Location and Service	FY Funding	Estimated Construction Complete
6	G6-6057	Machining Electrostatic Precipitators	91	TBD
6	G6-3579	Machining Electrostatic Precipitators	91	TBD
6	G6-3578	Machining Electrostatic Precipitators	91	TBD
8	G43-27	2nd Floor SE, Rotary Kiln	88	Oct 90
8	G43-29	Penthouse, Rotex	88	Oct 90
8	G8-021	2nd Floor East, Muffle Furnace, Graphite	92	Cancelled
8	G8-024	2nd Floor East, Muffle Furnace	92	Cancelled
8	G8-035	2nd Floor East, Oxidation #1	85	Cancelled
8	G8-057	2nd Floor West, Neutralization Tanks	92	TBD
8	G8-7	East Pad Outside, Oxidation #2	85	Cancelled
9	G42-615	West Pad Outside, Machining	92	TBD
9	G9E2-400	East Pad Outside, Machining	89	Cancelled
9	G9N1-1039	1st Floor Mezzanine, Remelt	85	Completed '87
13	G-1	Pilot Plant, UF6 to UF4 Mezzanine Drum Station	92	TBD
13	G-2	Pilot Plant, UF6 to UF4 Mezzanine Drum Station	92	TBD
13	G6-93A	Pilot Plant, Wet Area	92	TBD
13	735-13-7041	Pilot Plant Annex, Outside SW	87	Cancelled
13	735-13-7051	Pilot Plant Annex, Outside SE Rotoblast	87	Cancelled
37	G2-95	Oil Incinerator	92	TBD

TABLE 2. Proposed New Dust Collection System Installation Schedule

Plant No.	Dust Collector No.	Location and Service	FY Funding	Estimated Construction Complete
2/3	TBD	Digester feed, Location TBD	87	Hold
5	TBD	Slag Milling Facility, New Slag Mill Bldg. on SW Side Plant 5, 2nd Floor	86	Aug 90
5	TBD	Ingot cooling & furnace repair booths, NE, 1st Floor	88	TBD
8	TBD	Rotary Kiln facility, New Rotary Kiln Bldg., South of Plant 8, 3rd Floor	89	Sep 89
8	TBD	Rotary Furnace, existing South Annex, Location TBD	87	Jul 91
8	TBD	Drum Reconditioning Facility New Drum Reconditioning Bldg., adjacent to the New Rotary Kiln Bldg, 1st Floor	89	Sep 89
9	TBD	Metal Spill Breakup Facility South Central, 1st Floor	87	Cancelled
20	TBD	Water Treatment Plant, New Annex to East side of existing Water Treatment Plant 2nd Floor	87	Feb 90
51	TBD	UF6 to UF4 Packaging Station, E & W sides, 3rd & 4th Levels	Pre-85	Cancelled
51	TBD	Process Ventilation, North side, mezzanine, Level 1	Pre-85	Hold
78X	TBD	Decontamination and Decommissioning (D & D) Facility, North side, mezzanine	87	Jul 92

Notes: TBD = To Be Determined. Project Requirements Under Review.  
 Hold = N Reactor and UF6 - UF4 Expansion Facility Impacted.  
 Project Pending.