

3227 RF 92 - U.S. Government

Department of Energy

Rocky Flats Office

memorandum

DATE

JUN 19 11 23 AM '92

JUN 18 1992

EG&G
ROCKY FLATS PLANT
CORRESPONDENCE CONTROL

ERD:PMP:6496

Section D Categorical Exclusion (RFO/CX009-92) Determination

C. M. Borgstrom, Director Office of NEPA Oversight, EH-25, HQ

A copy of RFO/CX009-92, Duct Effluent Velocity Profile and Characterization, is attached for your review.


Terry A. Vaeth
Manager

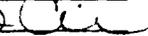
Attachment

- cc w/Attachment:
- R. Scott, EM-20
- J. Kerridge, EM-323
- D. Henninger, EM-331
- S. Nesta, EG&G

ACTION	LTR	EMC
DIST		
BENJAMIN, A.		
BERMAN, H.S.		
BRADY, J.A.		
BRANCH, D.B.		
CARNIVAL, G.J.		
COPP, R.D.		
CORDOVA, R.C.		
DAVIS, J.G.		
EVERED, J.E.	X	X
FERRERA, D.W.		
GOODWIN, R.		
HANNI, B.J.		
HEALY, T.J.		
HILBIG, J.G.		
IDEKER, E.H.		
KEPSH, J.M.	X	X
KIRBY, W.A.		
KRIEG, D.		
KUESTER, A.W.		
LEE, E.M.		
MARX, G.E.		
MORGAN, R.V.		
PIZZUTO, V.M.		
POTTER, G.L.		
SANDLIN, N.B.		
SATTERWHITE, D.G.		
SCHUBERT, A.L.		
SHEPLER, R.L.		
SULLIVAN, M.T.		
SWANSON, E.P.		
ELMAN, K.G.		
WINSON, R.B.		
WILSON, J.M.		
ZANE, J.O.		
Nesta	X	X

CORRES CONTROL	x	x
TRAFFIC		

Reviewed for Addressee
Corres. Control RFP

6-19-92 

DATE BY

Ref Ltr. #

106-4

SECTION D DETERMINATION
CATEGORICAL EXCLUSION (CX) DETERMINATION RFO/CX009-92

Proposed Action: Duct Effluent Velocity Profile & Characterization

Location: Rocky Flats Plant, Golden, CO

Proposed by: U.S. Department of Energy, Rocky Flats Office

Description of the Proposed Action:

Rocky Flats Plant proposes to install approximately 200 ports in the ducts, vents or stacks (hereafter called ductwork) in seventeen buildings on the plant site. Table 1 shows a listing of the buildings and the ducts that would be involved in the project. The purpose of the project would be to perform a regulatory compliance assessment to see how well RFP is meeting EPA regulations. The regulations at 40 CFR 61, Subpart H, require that radionuclide sources that have the potential (without HEPA filtration) to cause the public to receive a dose of >0.1 millirem shall be monitored continuously for radionuclide emissions. They also require that the effluent flow rate be measured by EPA approved methods, and that the effluent stream be directly sampled. The proposed project would characterize the emissions and the effluent flow rate in the ductwork. The data collected would be used to establish permanent effluent sampling locations where sample probes and in-stack flow measuring devices would be installed in some or all of the ports as necessary to provide the information required by the EPA after the initial studies are completed. RFP's current monitoring program entered technical noncompliance with the EPA regulations when they were revised in December of 1989.

The 200 cylindrical ports would be installed in three to four inch diameter holes that would be cut into the ductwork by a welder. The ports would be approximately six inches long with a threaded end extending to the outside of the ductwork so that a cap could be screwed onto the port to prevent the escape of effluents. The ports would be installed downstream of the High Efficiency Particulate Air filters, so no radioactive or hazardous materials are expected to be encountered when the ductwork is cut. If hazardous or radioactive materials are found in the ductwork, the metal disks cut out of the ductwork for port installation would be handled and stored according to RCRA and State of Colorado waste handling requirements. Normal fire protection equipment and procedures would be used if materials inside the ductwork are ignited by the welding.

No changes in emissions or effluent velocity are expected to occur as a result of this project. The project is scheduled to begin in June of 1992 and take about six months to complete. The anticipated cost of the project is about \$5300 per port or a total of \$1,060,000.

Categorical Exclusion to be applied:

B2.2 Installation of, or improvements to, building and equipment instrumentation (including, but not limited to, remote control panels, remote monitoring capability, alarm and surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, announcement and emergency warning systems, criticality and radiation monitors and alarms, and safeguards and security equipment).

DOE NEPA REGULATIONS SECTION D DETERMINATION
CATEGORICAL EXCLUSION DETERMINATION - RFO/CX009-92
Duct Effluent Velocity Profile & Characterization

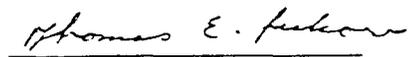
I have determined that the proposed action meets the requirements for a categorical exclusion as defined in the Section D of the DOE NEPA Guidelines. Therefore, I approve the categorical exclusion of the proposed action from further NEPA review and documentation.

Date: 6-15-92

Signature: 
Title: 172 Terry A. Vaeth
Manager, Rocky Flats Office

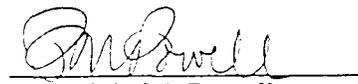
Program Sponsor:

Date: 6-12-92

Signature: 
Title: Thomas E. Lukow
Director, Waste Management &
Environment Division

I have reviewed this determination and find that a categorical exclusion is the appropriate level of NEPA documentation.

Date: June 8, 1992

Signature: 
Title: Patricia M. Powell
NEPA Compliance Officer

ADS number: 83 (EM)
986833

Table 1
Project Check Sheet

May 27, 1992, Revision 3

FPM Program Mgr.:	MCANDREW	MCANDREW	MCANDREW	MCANDREW	MCANDREW	MCANDREW	MCANDREW
FPM Project Mgr.:	JENNINGS	JENNINGS	JENNINGS	JENNINGS	JENNINGS	JENNINGS	JENNINGS
Project Eng.:	OSBORNE	MAGNO	SERRA	RESLER	OSBORNE	OSBORNE	OSBORNE
Priority	Sampler ID	Particle Size Study	Isokinetic Samp Study	Port Install. & Vel. Prof. Prof.	As Built Duct Drwgs. (REAVS)	Monitoring Appl. Study	Duct Assess Packages
1	559-561	X	X			X	X
2	707-101			X	X	X	X
3	707-102			X	X	X	X
4	707-105			X	X	X	X
5	707-106			X	X	X	X
6	707-107			X	X	X	X
7	707-108			X	X	X	X
8	707-R21A				X	X	X
9	707-R21B				X	X	X
10	707-R22A				X	X	X
11	707-R22B				X	X	X
12	707-R23A				X	X	X
13	707-R23B				X	X	X
14	707-R24A				X	X	X
15	707-R24B				X	X	X
16	707-R25A				X	X	X
17	707-R25B				X	X	X
18	707-R26A				X	X	X
19	707-R26B				X	X	X
20	707-R27A				X	X	X
21	707-R27B				X	X	X
22	707-R45A				X	X	X
23	707-R45B				X	X	X
24	707-R46A				X	X	X
25	707-R46B				X	X	X
26	371-N01			X	X	X	X
27	371-N02			X	X	X	X
28	371-SSS			X	X	X	X
29	374-MA1			X	X	X	X
30	374-SPD			X	X	X	X
31	771-MA1			X	X	X	X
32	771-CRM8			X	X	X	X
33	771-CRM10			X	X	X	X
34	771-CMA			X	X	X	X
35	776-201			X	X	X	X
36	776-202			X	X	X	X
37	776-204			X	X	X	X
38	776-205			X	X	X	X
39	776-206			X	X	X	X
40	776-207			X	X	X	X
41	776-250			X	X	X	X
42	776-251			X	X	X	X
43	776-252			X	X	X	X
44	991-MA1			X	X	X	X
45	991-985			X	X	X	X
46	774-202			X	X	X	X
47	778-LDY			X	X	X	X
48	881-MA1			X	X	X	X
49	881-MA2			X	X	X	X
50	881-MA3			X	X	X	X
51	881-MA4			X	X	X	X
52	779-729			X	X	X	X
53	779-782			X	X	X	X
54	886-875			X	X	X	X
55	889-MA1			X	X	X	X
56	883-AAA			X	X	X	X
57	883-BBB			X	X	X	X
58	883-CCC			X	X	X	X
59	865-EEE			X	X	X	X
60	865-WWW			X	X	X	X
61	444-MA1			X	X	X	X
62	444-D05			X	X	X	X
63	447-MA1			X	X	X	X

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