November 6, 1997

Mr. Robert W. Sharkey, Manager Regulatory Compliance Combustion Engineering, Inc. 3300 State Road P Hematite, MO 63047

SUBJECT: AMENDMENT REQUEST FOR UNRESTRICTED RELEASE OF HYDROFLUORIC ACID (TAC NO. L30995)

Dear Mr. Sharkey:

This refers to your application dated August 12, 1997, requesting an amendment to Materials License SNM 33 to authorize release of hydrofluoric acid for unrestricted use.

Our review of your application has identified additional information that is needed before final action can be taken on your request. The additional information, specified in the enclosure, should be provided within 30 days of the date of this letter. Please reference the above TAC No. in future correspondence related to this request.

If you have any questions regarding this matter, please contact me at (301) 415-8155.

Sincerely.

Sean Soong Licensing Section 2 Licensing Branch Division of Fuel Cycle Safety and Safeguards, NMSS

NFOS

Docket 70-36 License SNM-33

NRC FILE CENTER COPY

Enclosure: As stated

Distribution:w/encl.(Control No.700S) [PARTIAL]Docket 70-36PUBLICNRC File CenterFCSS R/FRegion IIIFCLB R/FTReidinger, RIIINMSS R/F

[c:\chotoo\hematite\hf.rai]

OFC	FCLB	E	FCLB	E	FCLB	E	FCLB	N
NAME	SChotoc	5PC	SSoong	53	PSI Ja	ows	MAGAVADAay	
DATE	11/6	/97	11/6	/97	11/	/97	11/ 6	/97

DR ADOCK 07000036

## 

## Request for Additional Information Application Dated August 12, 1997 Combustion Engineering, Inc. Docket 70-36

- Is there a possibility that the uranium released in the hydrofluoric acid (HF) may be reconcentrated (for example, in a waste treatment or metal recovery operation after use of the HF)? Provide a conservative dose assessment for this possibility, considering not only the original buyer but possible end uses of the material.
- Commit to representative sampling of the hold tank before release of each batch of HF.
- 3. You indicated in your August 12, 1997, submittal that a diked pad will be constructed for the HF holding tank. What volume of HF will the diked area be capable of containing in the event of a leak? Justify why this volume is sufficient.
- 4. Indicate the total volume of HF per year which is expected to be transferred from the site for unrestricted use.
- 5. Correct the dose unit in the third column of Table 2 of your August 12. 1997. submittal.
- 6. Provide the basis for the internal dose estimates used to calculate he total effective dose equivalent presented on page 9 of your August 12. 1997, submittal. The internal doses cited are inconsistent with the calculations presented on pages 6 and 7 of your submittal.

Mr. Robert W. Sharkey, Manager November 6, 1997 Regulatory Compliance Combustion Engineering, Inc. 3300 State Road P Hematite, MO 63047

SUBJECT: AMENDMENT REQUEST FOR UNRESTRICTED RELEASE OF HYDROFLUORIC ACID (TAC NO. L30995)

Dear Mr. Sharkey:

This refers to your application dated August 12, 1997, requesting an amendment to Materials License SNM-33 to authorize release of hydrofluoric acid for unrestricted use.

Our review of your application has identified additional information that is needed before final action can be taken on your request. The additional information, specified in the enclosure, should be provided within 30 days of the date of this letter. Please reference the above TAC No. in future correspondence related to this request.

If you have any questions regarding this matter, please contact me at (301) 415-8155.

Sincerely,

Sean Soong Licensing Section 2 Licensing Branch Division of Fuel Cycle Safety and Safeguards, NMSS

Docket 70-36 License SNM-33

9711190109 2

Enclosure: As stated

Distribution:	w/encl.	(Control No.	700S) [PARTIAL]	
Docket 70-36		PUBLIC	NRC File Center	FCSS R/F
Region III		FCLB R/F	TReidinger, RIII	NMSS R/F

[c:\chotoo\hematite\hf.rai]

OFC	FCLB	E	FCLB	E	FCLB	E	FCLB	N
NAME	SChotoo	SPC	SSoong	55	PShea	ows	MAGNA	May
DATE	11/6	/97	11/6	/97	11/ (	/97	11/ 6	/97

## Request for Additional Information Application Dated August 12, 1997 Combustion Engineering, Inc. Docket 70-36

- 1. Is there a possibility that the uranium released in the hydrofluoric acid (HF) may be reconcentrated (for example, in a waste treatment or metal recovery operation after use of the HF)? Provide a conservative dose assessment for this possibility, considering not only the original buyer but possible end uses of the material.
- 2. Commit to representative sampling of the hold tank before clease of each batch of HF.
- 3. You indicated in your August 12, 1997, submittal that a diked pad will be constructed for the HF holding tank. What volume of HF will the diked area be capable of containing in the event of a leak? Justify why this volume is sufficient.
- 4. Indicate the total volume of HF per year which is expected to be transferred from the site for unrestricted use.
- 5. Correct the dose unit in the third column of Table 2 of your August 12. 1997. submittal.
- 6. Provide the basis for the internal dose estimates used to calculate the total effective dose equivalent presented on page 9 of your August 12. 1997. submittal. The internal doses cited are inconsistent with the calculations presented on pages 6 and 7 of your submittal.