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**STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION**



July 13, 1983

RECEIVED

JUL 18 1983

AIR MGMT. DIVISION

Mr. Michael R. Deland
Regional Administrator
U.S. EPA - Region I
John F. Kennedy Federal Building
Boston, Massachusetts 02203

Dear Mr. Deland:

In a letter dated March 30, 1983 to Lester Sutton, we submitted a revision to our SIP which would allow Loomis Institute to burn 2.0% sulfur oil under our SET Program. A letter dated May 3, 1983 was received from Harley Laing notifying the Department that this package was incomplete because it was lacking an enforceable compliance method for a one hour oil use limitation and documentation of the permit's effective date.

These conditions have now been addressed and agreed to by the Loomis Institute. Documentation is offered in a May 24, 1983 letter signed by both Mr. Aubrey Loomis and myself (copy enclosed).

We request that you attach the May 24, 1983 letter discussed above to the SIP revision originally submitted on March 30, 1983. We understand that this action would complete the package and will allow Federal rulemaking to proceed.

Sincerely yours,

Stanley J. Pac
Stanley J. Pac
Commissioner

SJP/WFS/ml
Enclosure

cc: Sarah Simon, EPA, Region I
Aubrey Loomis, Loomis Institute

Phone:

165 Capitol Avenue • Hartford, Connecticut 06106

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STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



May 24, 1983

Mr. Aubrey K. Loomis
The Loomis Institute
Batchelder Road
Windsor, Connecticut 06095

Re: SET E-15

Dear Mr. Loomis:

A recent discussion with and correspondence from U.S. EPA Region I made it apparent that your permit (#212-0036, 0037, and 0038) to use fuel containing 2.0% sulfur needs to be amended in the areas of fuel use monitoring and permit duration. To this end the foregoing permits are hereby amended to include the following additional conditions.

- An operation log shall be maintained for these boilers. It shall include, at the minimum, an hourly and daily record of the total fuels consumed and the fuel's sulfur content. This log shall be available for inspection at any time by a representative of this Department.
- The effective date of the permits shall be September 1, 1983. These permits are to be effective for a period not to exceed a one year period. No fuel containing greater than 1.0% sulfur (by weight, dry basis) may be used at your premise before September 1, 1983.

Please sign and date this letter as indicated below and return a copy of it to:

Office of Assistant Director
Enforcement Section
Air Compliance Unit
Department of Environmental Protection
State Office Building
Hartford, Connecticut 06106

Our receipt of your signed copy will acknowledge your receipt of this letter and your agreement with and consent to its content.

Aubrey K. Loomis
APPLICANT'S SIGNATURE
Aubrey K. Loomis

May 26, 1983
DATE

Phone:

165 Capitol Avenue • Hartford, Connecticut 06106

Mr. Aubrey K. Loomis

Page 2

May 24, 1983

The original of this letter is to be retained by you as an addendum to the March 28, 1983 permit letter from Commissioner Pac to you. If there are any questions, do not hesitate to contact Alfred Conklin, the engineer who evaluated your permit application, by calling 566-8230.

Sincerely yours,


Stanley J. Pac
Commissioner

SJP/AGC/ml

cc: Lester Sutton, Regional Administrator, EPA, Region I
Sara Simon, EPA, Region I



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



March 30, 1983

RECEIVED

The Honorable Lester Sutton
Regional Administrator
U.S. Environmental Protection Agency
Region I
JFK Federal Building
Boston, Massachusetts 02203

4-1-83
AIR MGMT. DIVISION

Dear Mr. Sutton:

The Department of Environmental Protection is submitting a revision to our State Implementation Plan (SIP) for your approval. This revision is our approval of The Loomis Institute, Batchelder Road, Windsor, Connecticut under the State Air Pollution Control/Energy Trade Option Program (SET) and allows the company to use 2.0% sulfur oil under specified conditions.

A 30 day comment period legal notice regarding the proposed action was published in the Hartford Courant on January 11, 1983. No comments were received, and no source specific public hearing was held. I certify that all approved public notice procedures (see 46FR 24601) have been followed.

This revision submittal includes:

1. The source application, the source acceptance letter, fuel merchant's application, the permit cover letter, and the final signed permit.
2. A copy of the proposed decision public notice and final decision public notice.
3. Summary of Results of BTU Bubble (less than 250 MMBTU) that are Certified for Screening per the CT Guideline (Attachment II).

I certify that the subject application has been reviewed under the procedures of and meets all requirements of the approved SET program, Regulation 19-508-19(a)(3)(i), and the Connecticut Modeling Guideline. This premise has potential to emit SO₂ emissions of less than 100 tons per year (TPY). There are no sources on this premise that have a maximum rated capacity or a capacity limited by enforceable permit conditions of 250 MMBTU/hour or greater.

Our analysis has shown that the revision will not violate the sulfur dioxide NAAQS and will not either cause or exacerbate a violation of the TSP NAAQS. The applicant is located more than 20 kilometers from any PSD baseline area as defined in your letter of October 27, 1982. The applicant's maximum allowable operating conditions modeled SO₂ impacts

Phone:

165 Capitol Avenue • Hartford, Connecticut 06106

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ATTACHMENT II

Summary of Results for BTU Bubbles (less than 250 MMBTU) that
Are Certified for Screening per the CT Guideline

Source Name

% Sulfur Allowable

THE LOOMIS INSTITUTE

2.2%

I. SO₂ NAAQS RESULTS (ug/m³)

	Maximum Receptor		Subject Facility	Nearby Sources	Background	SUM	NAAQS
	UTM's	Town					
3-hr	693700E 4635400N	Windsor	181	0	185	366	1300
24-hr	695125E 4634650N	Windsor	73	3	100	176	365
Annual	Loomis is not considered a major (EPA defined) source, therefore no annual modeling was performed.						80

II. TSP NAAQS RESULTS (ug/m³)

A. Non-Attainment Receptors None

	Receptor Point		Incremental Impact		24-hr	Annual
	UTM's	Town	24-hr	Annual		
Monitors ^a			NOT APPLICABLE			
1					5	1
2					5	1
etc.						
Model Receptors ^b			NOT APPLICABLE			
1					5	1
2					5	1
etc.						

- a) Any monitor within the impact area of the subject facility with recorded violation
- b) Any receptor where the sum of the modeled impact of nearby sources plus background exceeds the NAAQS.