

217/782-2113

CONSTRUCTION PERMIT - NSPS SOURCE - REVISED

PERMITTEE

Lucent Technologies, Inc.
Attn: Ms. Alexandra Moore-Staub
2600 Warrenville Road
Lisle, Illinois 60532

Application No.: 00090006

I.D. No.: 043055AAE

Applicant's Designation: BOILERS

Date Received: December 8, 2000

Subject: Boilers

Date Issued: January 4, 2001

Location: 2600 Warrenville Road, Lisle

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of three 10.2 mmBtu/hr natural gas-fired boilers as described in the above referenced application. This Permit is subject to standard conditions attached hereto and the following special conditions:

- 1a. These boilers are subject to a New Source Performance Standard (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subparts A and Dc. The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement.
 - b. At all times, the Permittee shall also, to the extent practicable, maintain and operate the boilers, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions.
2. Emissions and operation of the three 10.2 mmBtu/hr boilers combined shall not exceed the following limits:

<u>Natural Gas Consumption</u>		<u>Pollutant</u>	<u>Emissions</u>	
<u>(mmscf/Mo)</u>	<u>(mmscf/Yr)</u>		<u>(Lb/Hr)</u>	<u>(Tons/Yr)</u>
65	260	Nitrogen Oxides	3.3	13.0
		Carbon Monoxide (CO)	5.0	20.1
		Particulate Matter (PM)	0.4	1.4
		Volatile Organic Material (VOM)	0.5	2.1

These limits are based on the maximum firing rate total (30.6 mmBtu/hr), the maximum operating time (8,760 hr/yr), and AP-42 standard emission factors except the emission limits for CO, PM, and VOM are based on the

boiler manufacturer's emission data. Compliance with annual limits shall be determined from a running total of 12 months of data.

3. The Permittee shall maintain monthly records of the following items:

a. Natural gas consumption (mmscf/mo) (mmscf/yr).;

4. The Permittee shall notify the Illinois EPA as required by 40 CFR 60.7 and 60.48a, including:
 - a. Date of construction or reconstruction;
 - b. Anticipated date of initial startup; and
 - c. Actual date of initial startup.
5. The Permittee shall fulfill applicable notification and recordkeeping requirements of the NSPS, 40 CFR 60.48c.
6. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
9511 West Harrison
Des Plaines, Illinois 60016

It should be noted that this permit has been revised to show emission limits for CO, PM, and VOM which are based on the boiler manufacturer's emission data, at the company's request. Each of these limits is higher than those calculated using AP-42 emission factors.

If you have any questions on this, please call Jim Kallmeyer at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

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cc: Illinois EPA, FOS, Region 1
Illinois EPA, Compliance Section

Lotus Notes