

WJ Willard
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PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 and 3

SURVEILLANCE TEST

SI 7.8.1 NOISE LEVEL MEASUREMENTS
ENVIRONMENTAL
TECHNICAL SPECIFICATION: 2.3 and 3.3

Test Frequency:

Four times a year until Unit 3 has been in commercial operation for one year.

Test Results:

A. All of the asterisked steps were completed SATISFACTORILY.

PERFORMED BY:

[Signature]
SIGNATURE

8:45 2/2/75
TIME/DATE

[Signature]
SIGNATURE (SHIFT SUPERVISION)

10:00 2-2-75
TIME/DATE

B. One or more of the asterisked steps was completed UNSATISFACTORILY.
Refer to Tech Spec 2.3 and 3.3.
Environmental

MRF _____

SIGNATURE

TIME/DATE

SIGNATURE (SHIFT SUPERVISION)

TIME/DATE

IMMEDIATELY NOTIFY PLANT SUPERINTENDENT OR ALTERNATE.

NAME OF PERSON NOTIFIED

TIME/DATE

SIGNATURE OF SHIFT SUPERINTENDENT OR SUPERVISOR

Additional action required if other portions of test did not function properly or other discrepancies were noted during test.

1. MRF submitted: MRF _____
2. Other: _____

SIGNATURE

DATE

REVIEWED BY:

[Signature]
PLANT STAFF SUPERVISION

2/24/75
DATE

PURPOSE:

To determine the noise levels at the site boundary.

REFERENCES:

Environment Technical Specifications.

PREREQUISITES:

1. Unit (or Units) operating at full power. #2 - 25 MW, #3 - 65 MW
2. Cooling Towers in service. A ☒ B ☐ C ☒ (Check)
3. North Substation operating normally. YES
4. Calibrate sound level meter. YES

TEST EQUIPMENT REQUIRED:

Sound level meter which meets the requirements of ANSI Standard S 1.4-1971, "Sound Level Meters".

PROCEDURE:

1. At the locations shown on Figures ST 7.8.1-1 and ST 7.8.1-2, measure the sound level.

READING TAKEN AT A¹ IS A TECH SPEC LIMIT, A² IS TAKEN FOR INFORMATION PURPOSES ONLY.

2. Record the sound level readings on Data Sheet ST 7.8.1-1 when meter stability is achieved during a calm, windless day. Meters are very susceptible to background noise (eg birds chirping). Readings should be representative of the cooling tower noise contribution to the environment.
3. The sound levels measured should be equal to or less than the limit shown.
4. Inform Shift Supervision of the results of this test, and fill out the TEST RESULTS Section on the front page of this procedure.

THIS COMPLETES THE NOISE LEVEL MEASUREMENT TEST.

DATA SHEET ST 7.8.1-1

NOISE LEVEL MEASUREMENTS

MARKER	LOCATION	READING	UNIT
A ¹	1800 feet south of "C" Cooling Tower, between discharge structure and "C" Cooling Tower.	45 dB(A)	45 dB(A) •
A ²	South of "C" Cooling Tower, near discharge structure.	45 dB(A)	45 dB(A)
B	North-west of North Substation, 500 feet west of #3 start-up transformer.	52 dB(A)	60 dB(A) •

ST 7.8.1

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