FOR WEEK OF ______________

UNIT NO. COMMON 2-74-4-4

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM UNITS 2 and 3

SURVEILLANCE TEST

ST 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: Robert D. Crawford ______ 1045 10-29-74
SIGNATURE TIME/DATE

______ 11:25 A 10-29-74
SIGNATURE (SHIFT SUPERVISION) TIME/DATE

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

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:

PLANT STAFF SUPERVISION ______ DATE

PURPOSE:

To determine the noise levels at the site boundary.

REFERENCES:

Environment Technical Specifications.

PREREQUISITES:

1. Unit (or Units) operating at full power. ≥ 1755 MWe
2. Cooling Towers in service. A ✓ B ✓ C ✓ (Check)
3. North Substation operating normally. ROL
4. Calibrate sound level meter. ROL

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 A^1 IS A TECH SPEC LIMIT WHEN A & B COOLING TOWERS ARE IN SERVICE. A^2 IS TAKEN FOR INFORMATION PURPOSES ONLY.

READING TAKEN AT A^2 IS A TECH SPEC LIMIT WHEN A & C OR B & C OR A, B, C COOLING TOWERS ARE IN/SERVICE. A^1 IS TAKEN FOR INFORMATION PURPOSES ONLY.

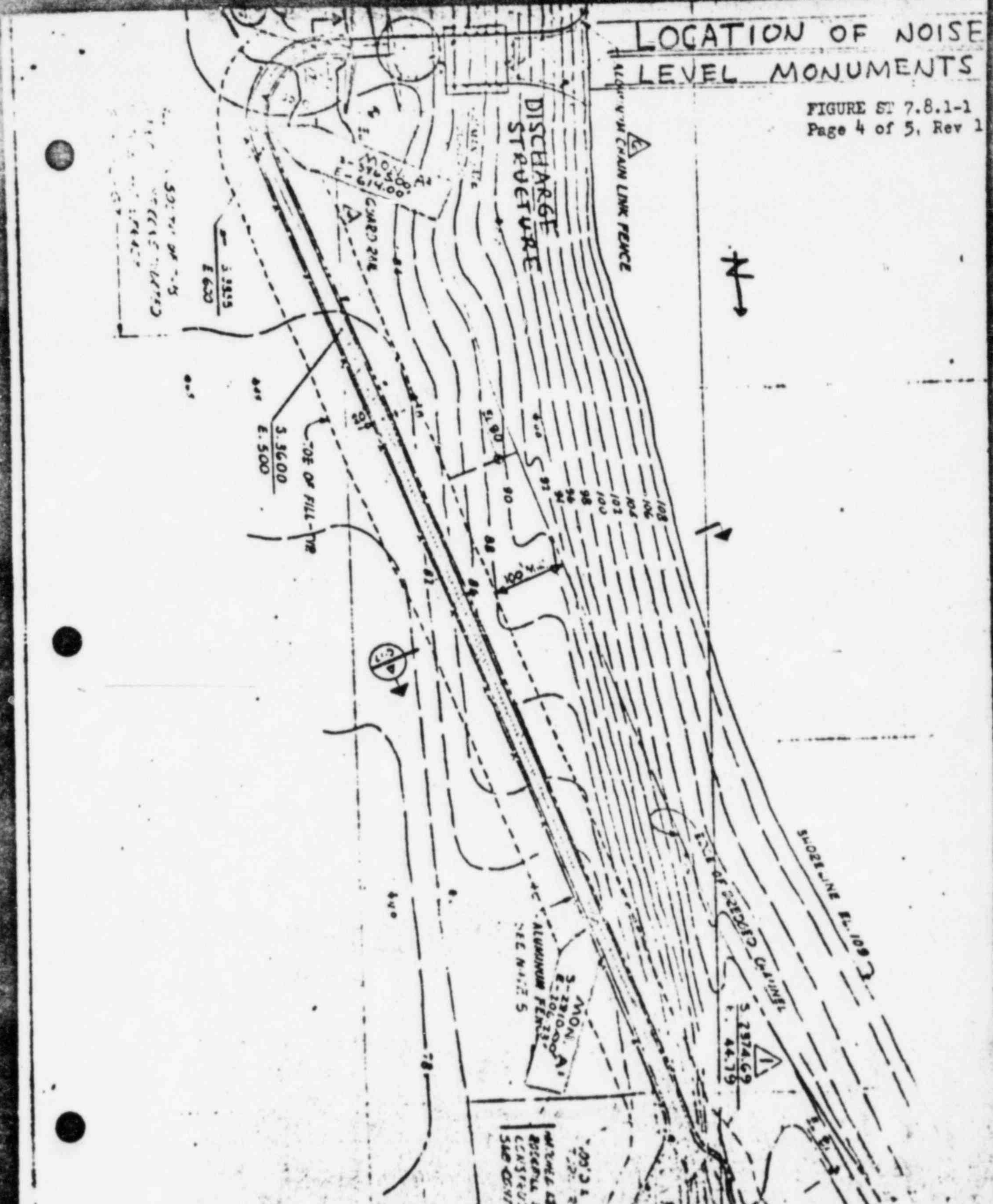
2. Record the sound level readings on Data Sheet ST 7.8.1-1 when meter stability is achieved during a calm, windless day. Meters are very susceptible to background noise (eg birds chirping). Readings should be representative of the cooling tower noise contribution to the environment. ✓
3. The sound levels 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 transformers.	56.6 dB(A)	60 dB(A) •



LOCATION OF NOISE LEVEL MONUMENTS

FIGURE ST 7.8.1-1
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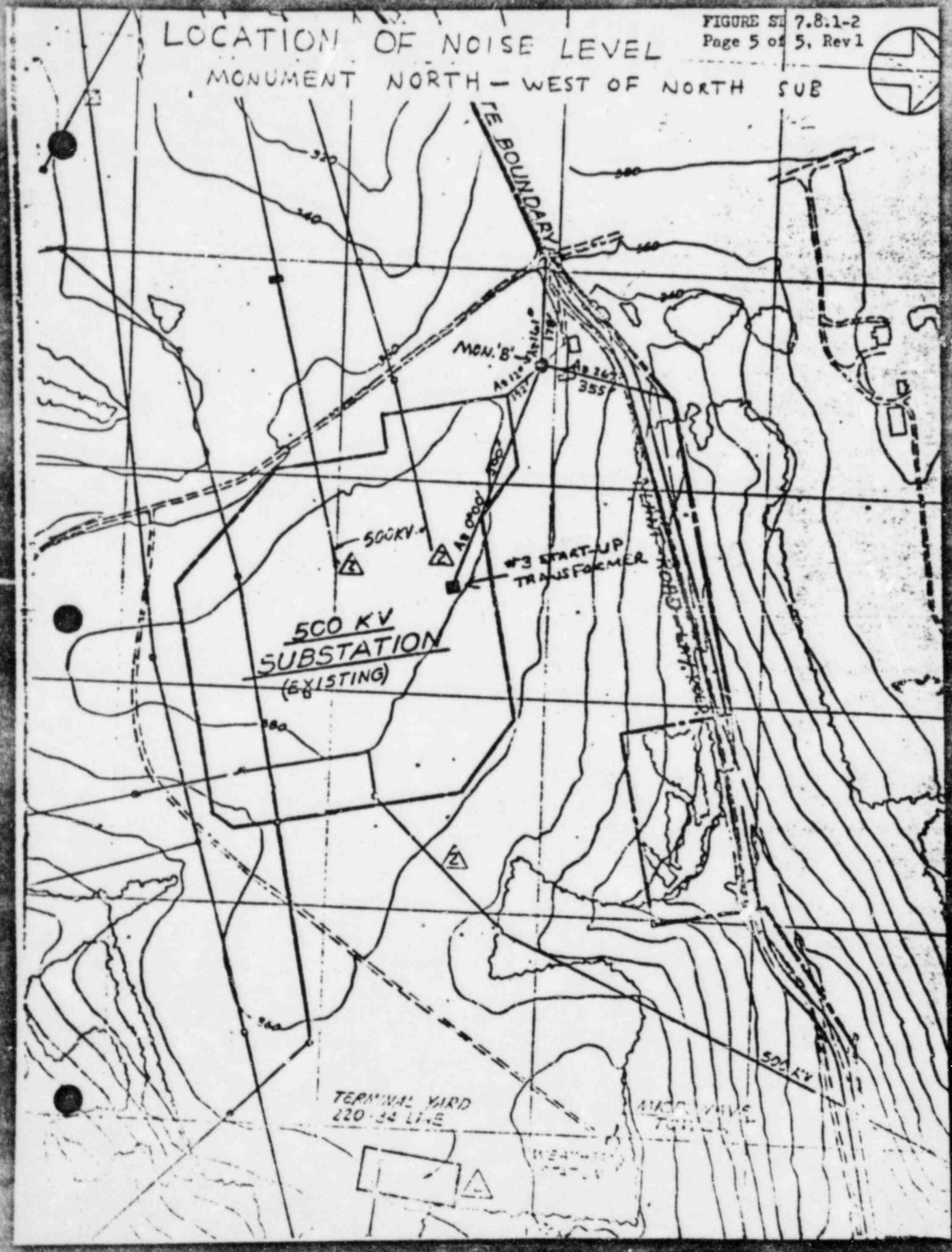
LOCATION OF NOISE LEVEL
MONUMENT NORTH — WEST OF NORTH SUB
FIGURE 7.8.1-2
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RE BOUNDARY
MON. 'B'
500KV
#3 START-UP TRANSFORMER
500 KV SUBSTATION (EXISTING)
TERMINAL YARD 220-34 LINE
500 KV