

COUNTY OF SACRAMENTO
DEPARTMENT OF AIRPORTS

6968 AIRPORT BOULEVARD
SACRAMENTO, CALIFORNIA 95837
(916) 929-5411



DIRECTOR OF AIRPORTS
George W. McLaughlin

January 11, 1982

Sacramento City Council
City Hall
915 I Street
Sacramento, CA 95814

MEMBERS IN SESSION:

This report summarizes the Executive Airport Noise Monitoring Program during the fourth quarter of 1981. Noise monitors are currently located at the north, south and east perimeters of Executive Airport to record and evaluate noise in the vicinity of Runways 2-20, 12-30 and 16-34.

The attached Exhibits A, B and C identify the Community Noise Equivalent Level (CNEL) for each 24-hour period during the months of October, November and December 1981. The 65-CNEL noise standard, as set forth in the California Airport Noise Regulations, is also illustrated on these exhibits. Table 1 further summarizes the noise monitoring results.

During the fourth quarter 1981, the 65-CNEL was exceeded on four occasions at Location 1 (southern airport boundary), not exceeded at Location 2 (northern airport boundary), and one occasion at Location 4 (east residential/Romac Circle). This represents a cumulative noise standard exceedence of 3% during those days of data collection. Average noise levels at the south, north, and east airport boundaries were 60.2 CNEL, 59.2 CNEL, and 57.6 CNEL, respectively.

On November 18, 1981, the noise monitoring unit at Location 2 (northern airport boundary) was removed for use in association with a short term project elsewhere within the county. Upon completion of this project, the unit was installed at Location 4 (east residential/Romac Circle) to check/validate monitoring results thus far obtained at Location 4. Replacement equipment was installed and monitoring re-established at Location 2 on December 30, 1981.

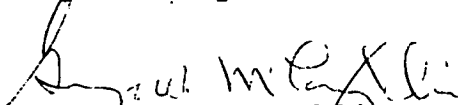
New location No. 4 was set up on October 6, 1981. Initial readings at this site were lower than expected. Replacement equipment was installed on December 14, 1981 with resultant data readings that closer

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Sacramento City Council
January 11, 1982
Page 2

approximate expected values. Subsequent weather damage to microphone components has resulted in a temporary suspension of noise monitoring while corrective action is implemented. All noise monitoring stations are expected to be fully operational by the end of January 1982.

Respectfully submitted,


George W. McLaughlin
Director of Airports

LEK:sam

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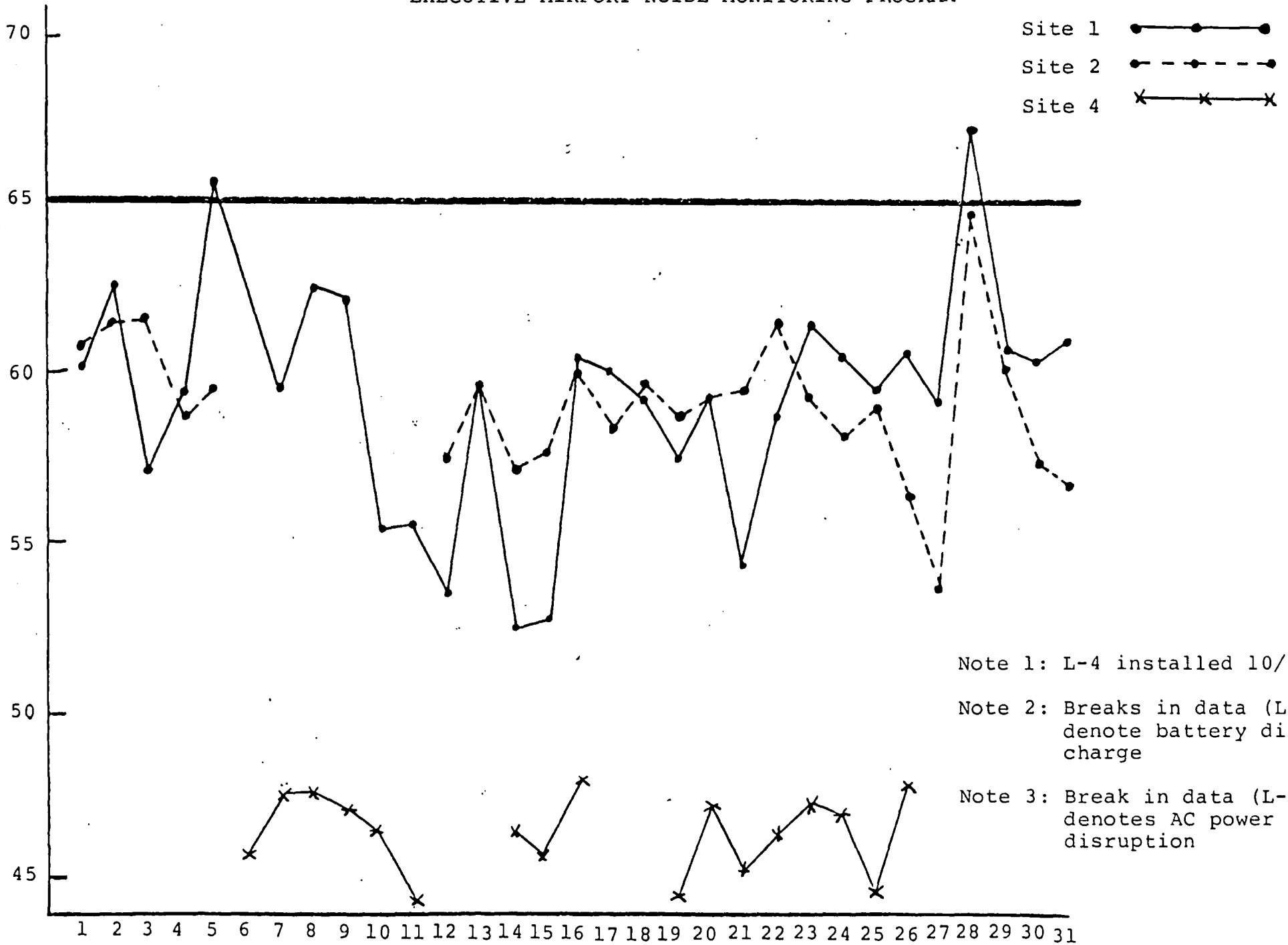
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EXECUTIVE AIRPORT NOISE MONITORING PROGRAM

EXHIBIT A
October 1981

24 HOUR COMMUNITY NOISE EQUIVALENT LEVEL (CNEL)

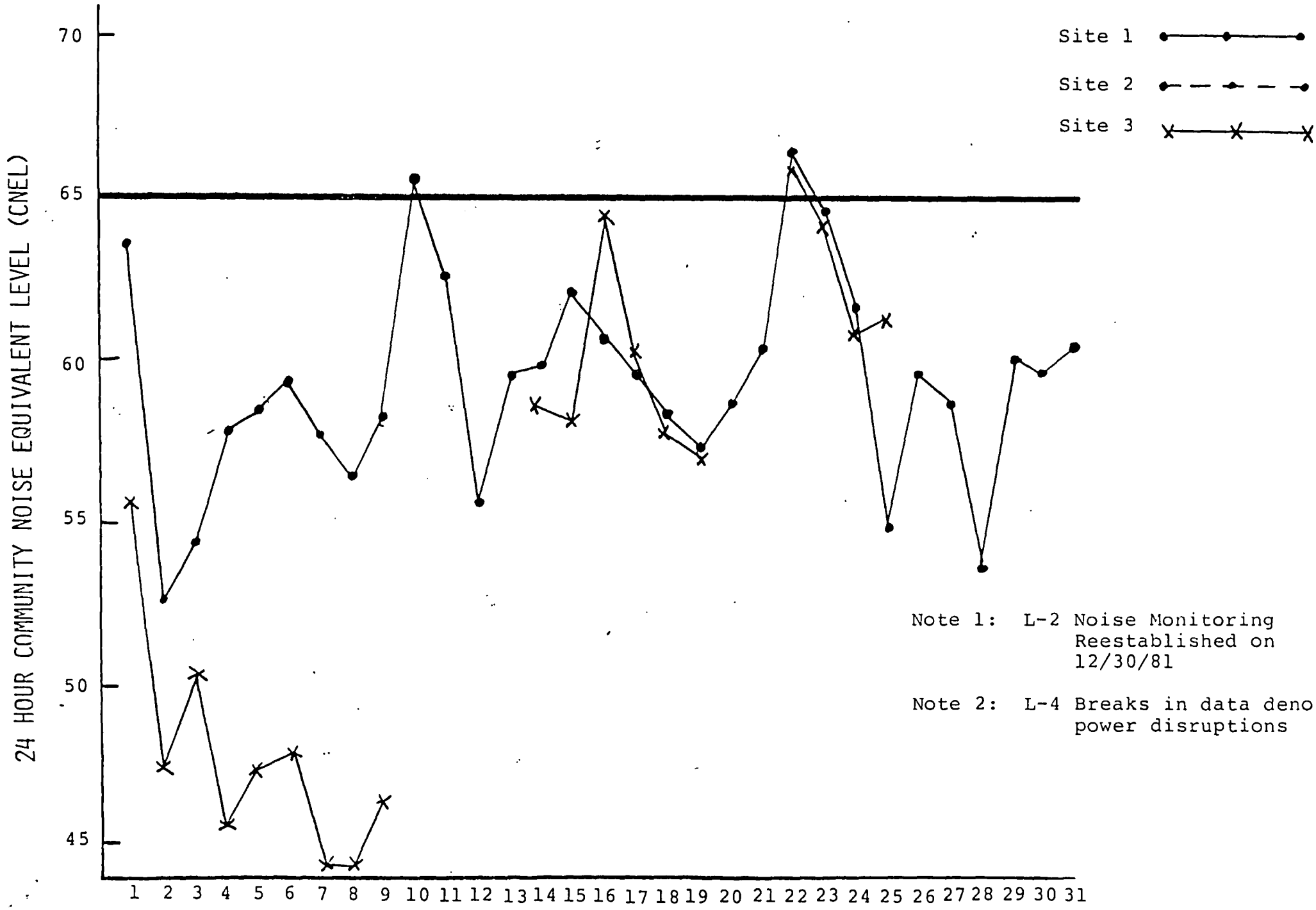


Note 1: L-4 installed 10/6/8

Note 2: Breaks in data (L-4) denote battery discharge

Note 3: Break in data (L-2) denotes AC power disruption

EXECUTIVE AIRPORT NOISE MONITORING PROGRAM



Note 1: L-2 Noise Monitoring
Reestablished on
12/30/81

Note 2: L-4 Breaks in data denot
power disruptions

TABLE I
CNEL SUMMARY
FOURTH QUARTER 1981

AVERAGE CNEL

	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>4th QTR</u>
Location 1	60.1	60.1	60.4	60.2
Location 2	59.6	58.7	NA	59.2
Location 4	46.6	48.7	62.1	57.6

DAYS EXCEEDING 65-CNEL

	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>4th QTR</u>
Location 1	2	-	2	4
Location 2	-	-	NA	-
Location 4	-	-	1	1

Location 1

October 5, 1981 65.6
 October 28, 1981 67.1
 December 10, 1981 65.4
 December 22, 1981 66.5

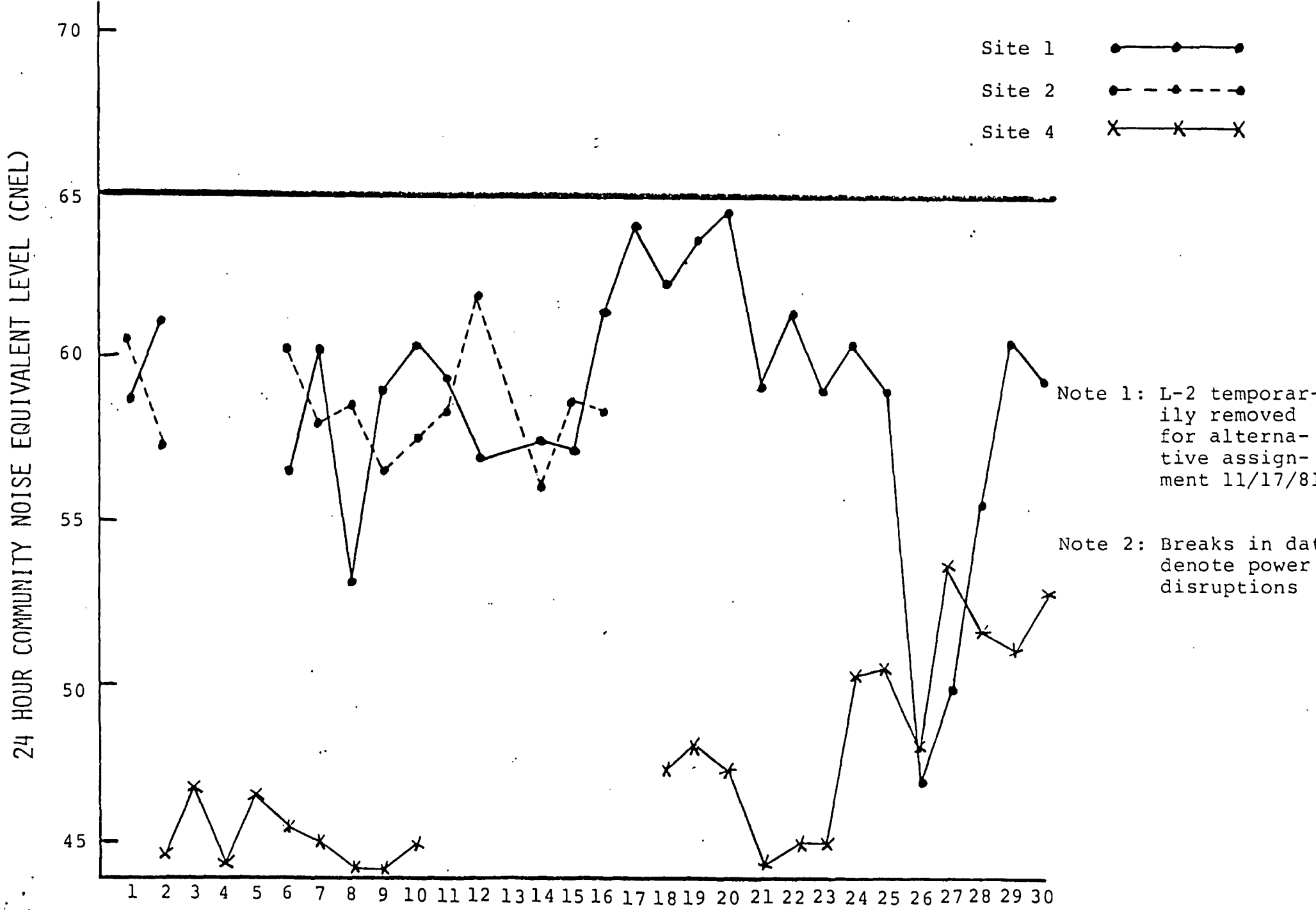
Location 2

None

Location 4

December 22, 1981 .. 66.1

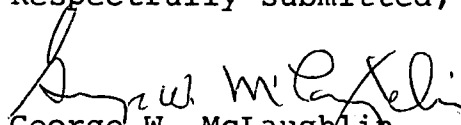
EXECUTIVE AIRPORT NOISE MONITORING PROGRAM



Sacramento City Council
January 11, 1982
Page 2

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Respectfully submitted,


George W. McLaughlin
Director of Airports

LEK:sam

APPROVED
BOARD OF SUPERVISORS

RECEIVED
COUNTY OF SACRAMENTO WORKS OFFICE
CALIFORNIA COUNTY OF SACRAMENTO

*Place in 1-19-82
meeting folder.*

JAN 19 1982

JAN 22 9 24 AM '82

For Agenda of

January 19, 1982

Betty L. Parker
BY _____
Chair of the Board

To: Board of Supervisors
From: Department of Airports
Subject: EXECUTIVE AIRPORT - FOURTH QUARTER NOISE MONITORING REPORT
(OCTOBER, NOVEMBER AND DECEMBER 1981)

In accordance with Recommendation 66 of the Executive Airport Master Plan, the Department of Airports established a noise monitoring program at Sacramento Executive Airport. Noise monitors are currently located at the north, south and east perimeters of Executive Airport to record and evaluate noise in the vicinity of Runways 2-20, 12-30 and 16-34.

The attached Exhibits A, B and C identify the Community Noise Equivalent Level (CNEL) for each 24-hour period during the months of October, November and December 1981. The 65-CNEL noise standard as set forth in the California Airport Noise Regulations is also illustrated on these exhibits. Table 1 further summarizes the noise monitoring results.

During the fourth quarter of 1981, the 65-CNEL was exceeded on four occasions at Location 1 (southern airport boundary), not exceeded at Location 2 (northern airport boundary), and one occasion at Location 4 (east residential/Romac Circle). This represents a cumulative noise standard exceedance of 3% during those days of data collection. Average noise levels at the south, north and east airport boundaries were 60.2 CNEL, 59.2 CNEL, and 57.6 CNEL, respectively.

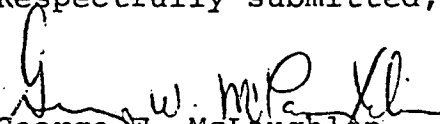
On November 18, 1981, the noise monitoring unit at Location 2 (northern airport boundary) was removed for use in association with the Phoenix Field Noise Study project. Upon completion of this project, the unit was installed at Location 4 (east residential/Romac Circle) to check/validate monitoring results at Location 4. Replacement equipment was installed and monitoring re-established at Location 2 on December 30, 1981.

New Location No. 4 was set up on October 6, 1981. Initial readings at this site were lower than expected. Replacement equipment was installed on December 14, 1981 with resultant data readings that closer approximate expected values. Subsequent weather damage to microphone components have resulted in a temporary suspension of noise monitoring while corrective action is implemented. All noise monitoring stations are expected to be fully operational by the end of January 1982.


Recommendation

The Department of Airports be directed to report back in April 1982 regarding noise levels for the first quarter of 1982 at Executive Airport.

Respectfully submitted,


George W. McLaughlan
Director of Airports

I CONCUR


Brian H. Richter
County Executive

cc: County Executive
County Counsel
Department of Airports
City Clerk