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DIRECTOR'S OFFICE
FILE COPY

APPROVED	DATE
January 8, 1980	
<i>[Signature]</i>	1/9/80
OK TO FILE	

The Honorable Phillip L. Isenberg
Mayor, City of Sacramento
City Hall, Room 202
Sacramento, California 95814

Dear Mayor Isenberg:

On December 7, 1979 the Department of Airports requested continuance of our December 11, 1979 report to the City Council on aircraft noise at Executive Airport. In accordance with this request, the Council continued the quarterly noise monitoring report to January 15, 1980. The attached memorandum dated January 8, 1980 is submitted pursuant to Recommendation No. 66 of the Executive Airport Master Plan and our commitment to present the Board of Supervisors and the City Council with on-going quarterly noise monitoring reports for Executive Airport.

Please note that aircraft noise levels exceeding the 55 Community Noise Equivalent Level (CNEL) threshold for a 24 hour period have been recorded a total of 25 days at the two monitoring sites operated during the fourth quarter of 1979. Many of the 24-hour readings which exceed 30 CNEL are suspect as a result of adverse weather conditions (wind and rain) upon the microphones at sites 1 and 2. This problem has been remedied by further modification of the equipment.

Additional monitors and computers are scheduled to be installed at two additional sites during the month of January, 1980. When these units have been installed and commissioned, a total of four noise monitoring and computing systems will be operational at Executive Airport.

Please do not hesitate to contact Deputy Director Arthur J. Negrette if the Council desires additional information regarding the noise monitoring program at Executive Airport.

Office of the City Clerk
Cont 40
1-22-80
JAN 15 1980

Sincerely,

George W. McLaughlin
Director of Airports

FILED

By the City Council
Office of the City Clerk

AJN:ew
Attachment
cc: City Planning Department (w/encl)
Executive Airport Advisory Committee (w/encl)

JAN 22 1980
QUARTERLY REPORT
DUE APRIL 1980;
FURTHER REPORTS
REQUESTED

January 8, 1980

COUNTY OF SACRAMENTO
CALIFORNIA

TO: Board of Supervisors

FROM: Department of Airports

SUBJECT: EXECUTIVE AIRPORT - DEVELOPMENT - FOURTH QUARTER NOISE
MONITORING REPORT (1979)

In accordance with recommendation 66 of the Executive Airport Master Plan, the Department of Airports has established a noise monitoring program at Sacramento Executive Airport. Initially, noise monitors and computers have been located on the north and south perimeter of Executive Airport to record and evaluate noise in the vicinity of Runway 02 and 20.

The attached material identifies the Community Noise Equivalent Level (CNEL) for each 24-hour period during the months of October, November, and December as recorded near the north and south boundary of Executive Airport. The critical noise level of 65 CNEL as mandated by the State of California to be achieved by 1985 is also illustrated.

A major objective of the Executive Airport Master Plan is to reduce off-airport noise exposure to less than 65 CNEL. During the past three months there were 6 days when the site 1 monitor reported noise levels in excess of 65 CNEL and 19 days when the site 2 monitor reported noise levels in excess of 65 CNEL. Many of the daily reportings which exceed 80 CNEL are the effects of wind dynamics and adverse weather on the microphone. For example, on November 3, 1979 and November 6, 1979, the monitoring unit at site 2 measured an average daily sound level of 98.2 CNEL and 87.3 CNEL, respectively. A review of computer printouts, monitor readings and meteorological data indicates that wind and rain on the unprotected microphone accounted for the high reported noise level on November 3, 1979 and also makes suspect the reported noise level for November 6, 1979.

Our efforts during this initial phase of monitoring have been devoted to acquiring proficiency with the equipments application to our needs and the conditions at Executive Airport. Further refinement and adaptation of the noise monitoring system is currently in progress. Additional windscreens have been ordered and installed at sites 1 and 2 to mitigate the distortion caused by high winds and adverse weather. Two additional noise monitoring units have been ordered and received by the Department of Airports with optional equipment allowing the preservation (by activating internal tape recorders) of noise levels exceeding pre-determined thresholds. This equipment is expected to be in operation by January 31, 1980 and the results included in the text quarterly report.

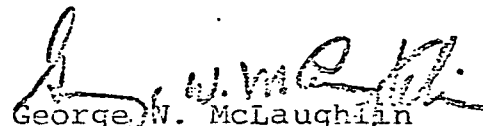
Reductions in daily noise levels below 65 CNEL reflect the efforts of aircraft operators and air traffic controllers to comply with the adopted Noise Abatement Program. All of the provisions for reducing noise specified in the Noise Abatement Program are currently being implemented with the exception of the 80 EPNdB Rule and account in large part for the levels below 65 CNEL as illustrated in the attached profiles.

The Department of Airports is continuing its efforts to implement the Noise Abatement Program and to further reduce aircraft noise exposure in the vicinity of Executive Airport. The next quarterly report will be completed in April, 1980 and this information will be submitted to the Board of Supervisors and the City Council on April 22.

RECOMMENDATION:

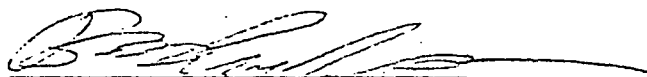
1. The Department of Airports be directed to continue its noise monitoring program at Executive Airport and to expand its system of noise monitors to evaluate aircraft noise on the east and west boundaries of Executive Airport.
2. The Department of Airports be directed to report back on April 22, 1980 regarding the noise levels for the first quarter of 1980 at Executive Airport.

Respectfully submitted,


George W. McLaughlin
Director of Airports

AJN:ew

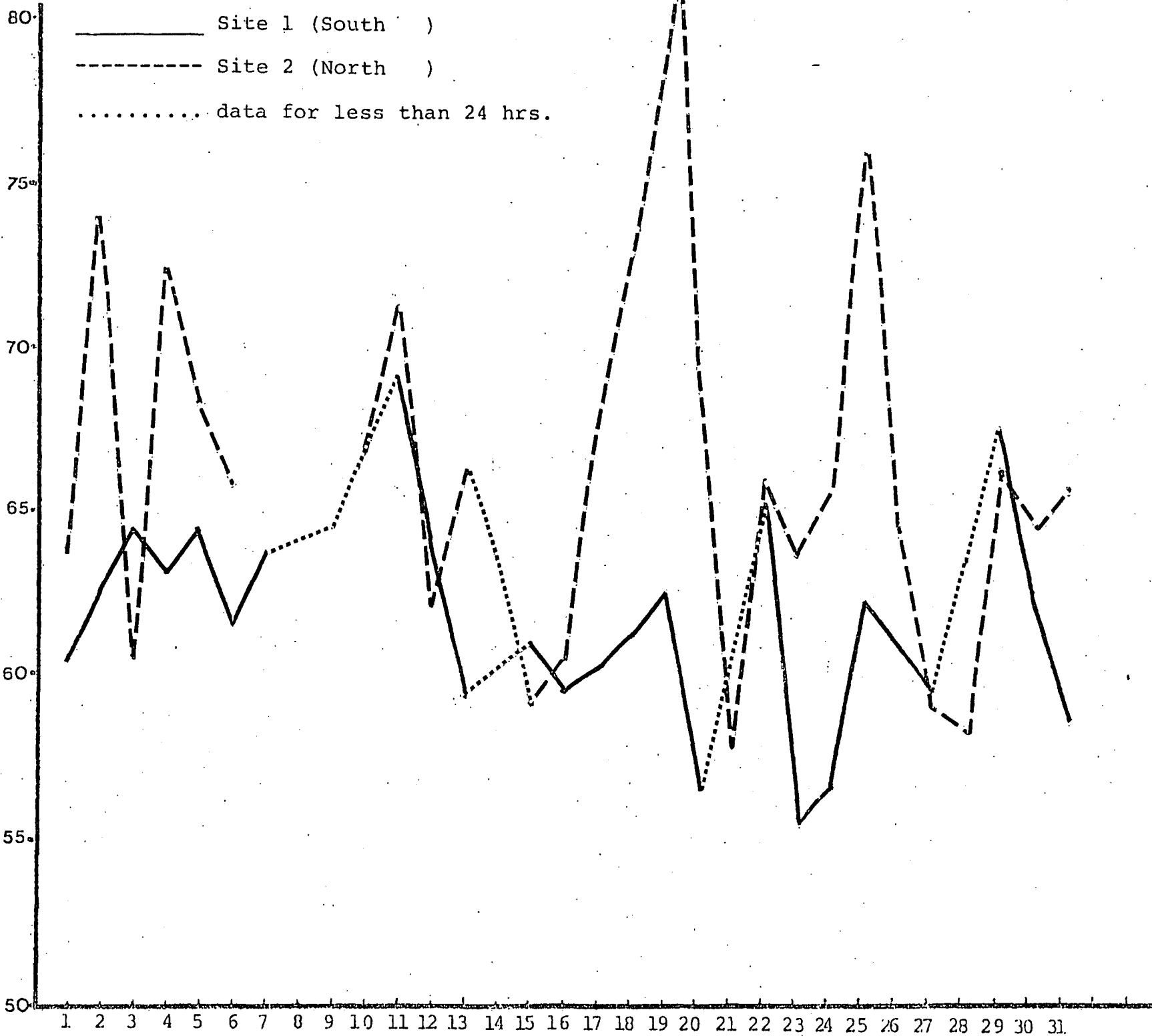
I concur:


Brian H. Richter
County Executive

cc: County Executive
Assistant County Executive
Department of Airports (3)
County Counsel
City Council
Executive Airport Advisory Committee

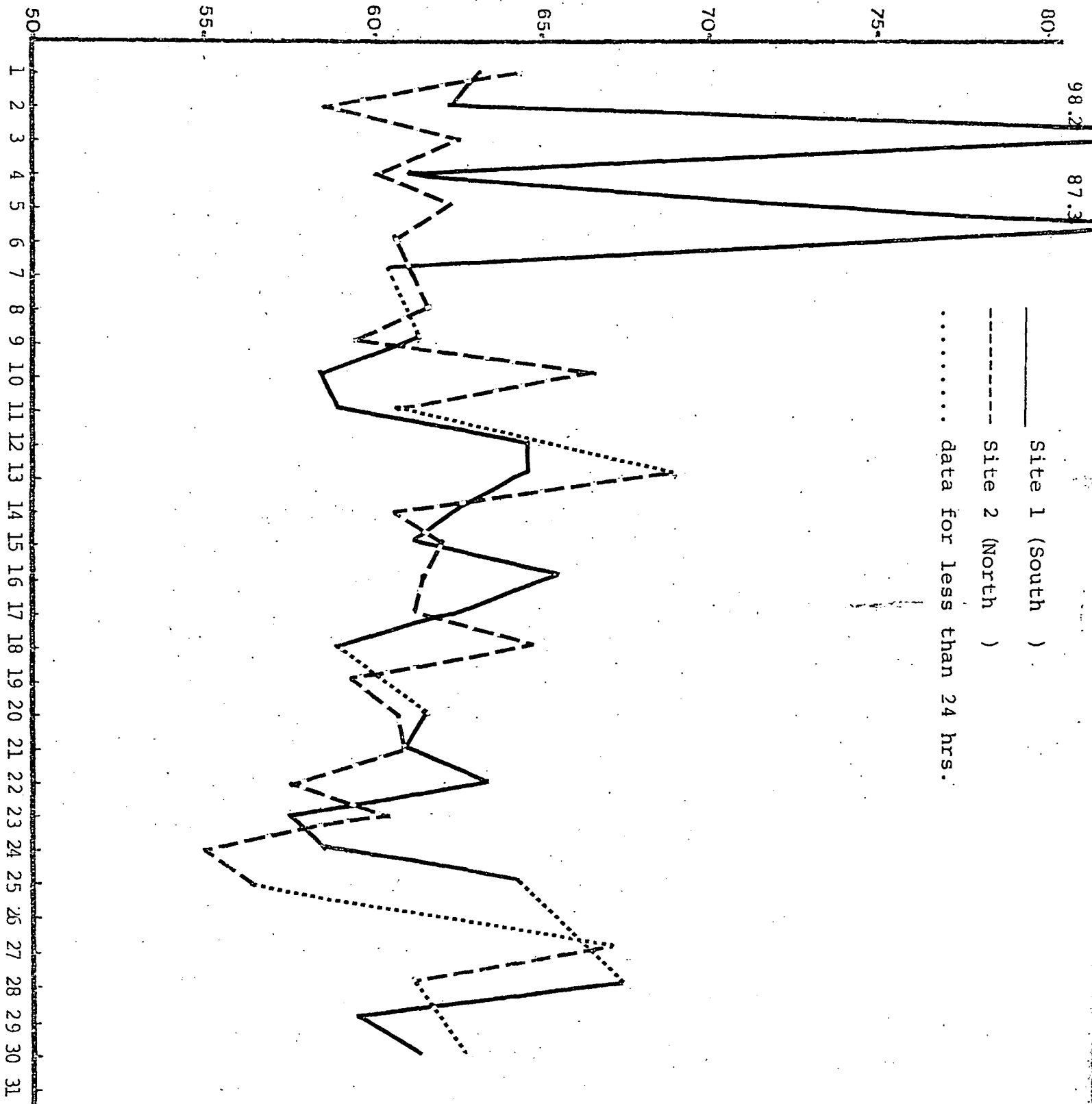
OCTOBER
1979

24 HOUR COMMUNITY NOISE EQUIVALENT LEVEL (CNEL)



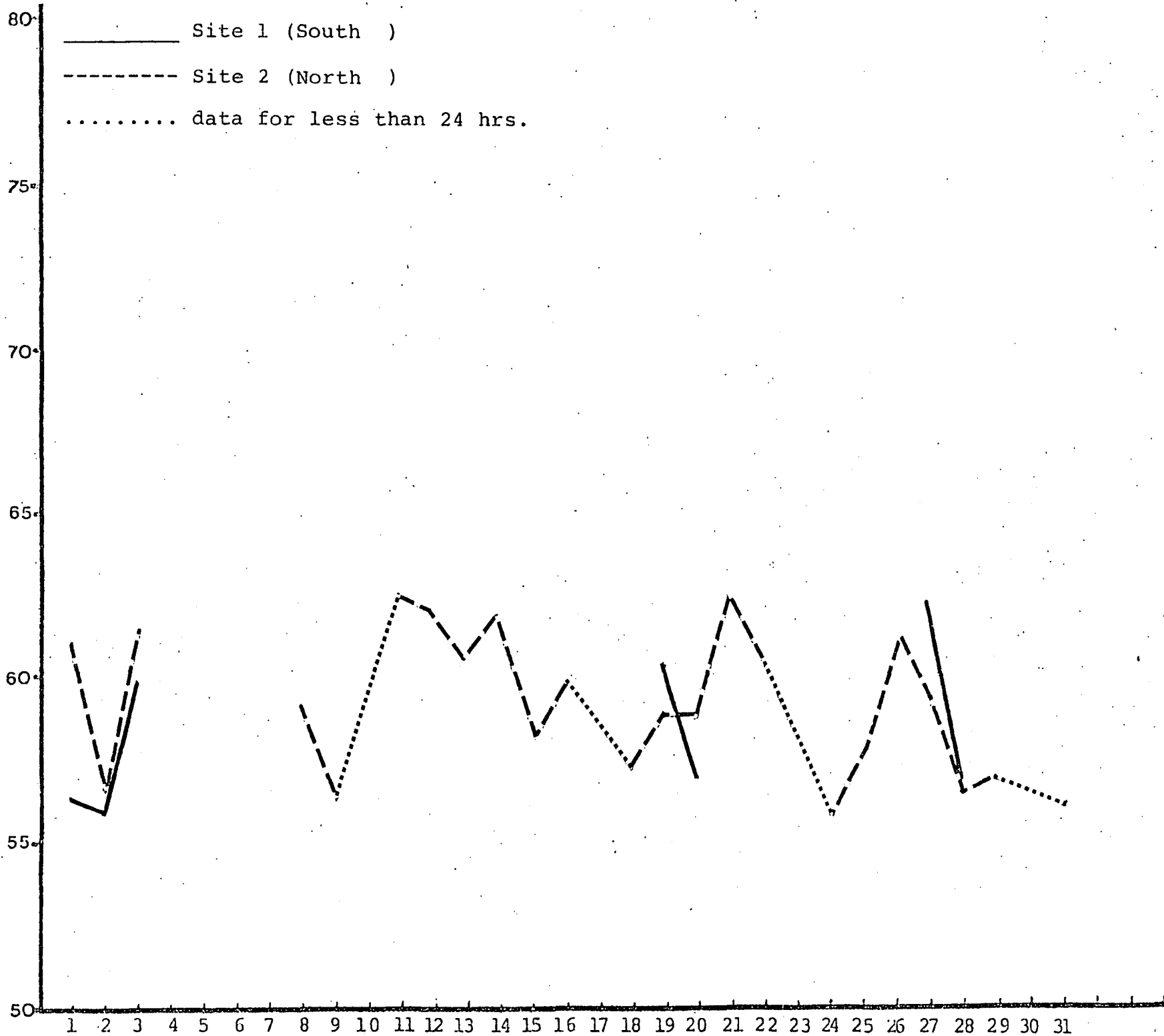
NOVEMBER
1979

24 HOUR COMMUNITY NOISE EQUIVALENT LEVEL (CNEL)



DECEMBER
1979

24 HOUR COMMUNITY NOISE EQUIVALENT LEVEL (CNEL)





CITY OF SACRAMENTO

OFFICE OF THE CITY CLERK

915 I STREET

CITY HALL ROOM 203

SACRAMENTO, CALIFORNIA 95814

TELEPHONE (916) 449-5426

LORRAINE MAGANA
CITY CLERK

January 23, 1980

George McLaughlin
Airport Director
Sacramento County Department of Airports
6968 Airport Boulevard
Sacramento, CA 95837

Dear Mr. McLaughlin:

On January 22, 1980, the Sacramento City Council received your report entitled "Executive Airport - Development - Fourth Quarter Noise Monitoring Report (1979)".

It is understood by the Council that your department will continue its noise monitoring program at Executive Airport and expand the system of noise monitors to evaluate aircraft noise on the east and west boundaries of the airport.

The City Council requested the City Attorney to prepare more restrictive noise control language relative to a proposed ordinance on airport noise control.

Please arrange an inspection tour of Executive Airport within two weeks to consist of the following: Councilpersons Hoeber, Robie, Rudin; the City Attorney, and a City planning staff member. A report of the tour is also requested by the Council.

It was further requested that as part of your quarterly report to be presented to Council on April 22, 1980 that the following also be included:

1. Progress on landscaping plans;
2. Progress on moving jets to the Metropolitan Airport;
3. Progress report on the reliever airport; and
4. An immediate report of any action taken on Runway 34.

If you should have any problem with the April 22, 1980 Council meeting date, please let me know.

Sincerely,


Lorraine Magana
City Clerk

LM:HO'

cc: Art Negrette
Council

City Attorney
City Manager

Planning Director
Board of Supervisors

Item No. 23