

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



FROM: Supervisor Bob Buster

SUBMITTAL DATE: May 31, 2007

SUBJECT: DHL Takeoff Noise Update

RECOMMENDED MOTION: That the Board review this report, take public comment and offer comments or recommendations to the March JPA

BACKGROUND: Nighttime noise from DHL jets departing March ARB on the standard takeoff route continues to disturb Riverside area residents (see typical email complaint following). March JPA established a committee to work with DHL and its air cargo contractor ABX, Air Force Reserve officials, and the community to explore ways to reduce the noise.

Adjustments to takeoff procedures within the standard takeoff pattern have been tried, but have had little effect.

The committee retained an experienced airport noise consultant, ESA, to measure the noise, evaluate other possible takeoff routes and assist with FAA requirements. The FAA must approve any such changes in flight patterns.

ESA prepared the following presentation for the committee, which shows cumulative noise exposure (CNEL) patterns of military and cargo jets at March, single event noise exposure (SENEL) patterns of the several types of cargo jets used by DHL on the standard takeoff route and on the new routes recommended for testing and an outline of the process required by the FAA for changing routes.

The preferred alternative among the possible new routes is TONYA 1. The 75 dB SENEL for a DHL DC-9 cargo jet flying the TONYA 1 departure extends northerly over other portions of the City of Riverside, supervisorial districts 2 and 5 and across the Riverside-San Bernardino County Line into Colton and Rialto. TONYA 1's DC-9 75 dB noise imprint potentially affects 75,000 residents compared to about 50,000 under SKYES 9. This noise disturbance pattern on takeoff goes a long distance from the end of the runway. Even if a jet quickly doubles its altitude on takeoff, on the ground the human ear cannot easily tell a difference in noise level, according to ESA. The consultant will be measuring the night noise under the current SKYES 9 take off pattern and under the proposed routes. Our Board previously joined the City of Riverside to support noise monitoring of DHL operations.

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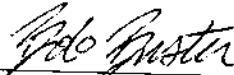
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ESA advises that FAA requirements, including an environmental assessment, make changes to existing routes extremely difficult to achieve, especially for aircraft in the "Stage 3" category. DHL's jets are Stage 3. Only one of some 15 communities across the country seeking FAA approval of route changes to alleviate noise has achieved FAA approval and that was after a lengthy and expensive process.

The March JPA and DHL are awaiting FAA permission to begin test flights of the new routes. FAA standards call for testing durations of at least 120 days.



Bob Buster
1st District Supervisor

Submittals: ESA Power Point Presentation
Typical Noise Complaint (email)
