



# **Oakland** International Airport

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A division of the Port of Oakland

## **NOISE ABATEMENT PROGRAM MANAGEMENT**

### **Quarterly Reports Summary**

**Fourth Quarter 2006**

**Prepared By**

**Noise/Environmental Management Office**

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## Quarterly North Field Reports Summary

<b>Corporate Jet Preferential Runway Use Program Runway 27R/L Jet Departure Procedure Compliance Summary - Fourth Quarter 2006</b>				
	October	November	December	Quarterly
<b>Airport-wide Corporate Jet Departures</b>	898	848	723	2,469
<b>Compliant Departures</b>	871	817	705	2,393
<b>Non-compliant Departures from Runways 27R/L</b>	27	31	18	76
<b>Compliance Rate</b>	97.0%	96.3%	97.5%	96.9%
The section below compares compliance performance to total airport-wide jet departures.				
<b>Total Airport Turbojet Departures</b>	8,235	8,101	8,264	24,600
<b>Compliant Departures</b>	8,208	8,070	8,246	24,524
<b>Non-compliant Departures from Runways 27R/L</b>	27	31	18	76
<b>Compliance Rate</b>	99.7%	99.6%	99.8%	99.7%

<b>Corporate Jet Preferential Runway Use Program Runway 09R/L Jet Arrival Procedure Compliance Summary - Fourth Quarter 2006</b>				
	October	November	December	Quarterly
<b>Total SE Plan Corporate Jet Arrivals *</b>	8	107	146	261
<b>Compliant Arrivals</b>	4	71	109	184
<b>Non-compliant Arrivals on Runways 09R/L</b>	4	36	37	77
<b>Compliance Rate</b>	50.0%	66.4%	74.7%	70.5%
The section below compares compliance performance to total airport-wide corporate jet landings.				
<b>Total Corporate Jet Arrivals</b>	898	848	723	2,469
<b>Compliant Arrivals</b>	894	812	686	2,392
<b>Non-compliant Arrivals on Runways 09R/L</b>	4	36	37	77
<b>Compliance Rate</b>	99.6%	95.8%	94.9%	96.9%
The section below compares compliance performance to total airport-wide jet landings.				
<b>Total Airport Turbojet Arrivals</b>	8,247	8,117	8,253	24,617
<b>Compliant Arrivals</b>	8,243	8,081	8,216	24,540
<b>Non-compliant Arrivals on Runways 09R/L</b>	4	36	37	77
<b>Compliance Rate</b>	100.0%	99.6%	99.6%	99.7%
* Note: During Southeast Plan, business jets will land on Runways 09R/L and 11.				

**VFR Aircraft Departure Procedure  
Performance Report Summary  
Fourth Quarter 2006**

	Runway 27R	Runway 27L	Runway 33	Total
<b>Total VFR Departures</b>	737	70	1,010	1,817
<b>Total VFR Departures Over Alameda</b>	132	11	66	209
<b>Percentage of Total VFR Departures Over Alameda</b>	18%	16%	7%	12%
<b>Non-compliant VFR Departures Over Alameda</b>	<b>41</b>	<b>1</b>	<b>20</b>	<b>62</b>
<b>Compliant VFR Departures</b>	<b>696</b>	<b>69</b>	<b>990</b>	<b>1,755</b>
<b>Percentage of VFR Departure Compliance</b>	<b>94%</b>	<b>99%</b>	<b>98%</b>	<b>97%</b>
<b>IFR Departures</b>	2,563	487	624	3,674
<b>Total Departures</b>	3,300	557	1,634	5,491
<b>Compliance Percentage of Total Departures</b>	<b>99%</b>	<b>100%</b>	<b>99%</b>	<b>99%</b>

**North Field Quiet Hours Report  
Fourth Quarter 2006  
(10:00 p.m. to 6:00 a.m.)**

	October	November	December	Quarter
<b>Total Nighttime Departures</b>	<b>286</b>	<b>274</b>	<b>262</b>	<b>822</b>
<b>Compliant Departures</b>	<b>248</b>	<b>242</b>	<b>242</b>	<b>732</b>
<b>Average Compliant Departures per Night</b>	<b>8.0</b>	<b>7.8</b>	<b>8.1</b>	<b>8.0</b>
<b>Non-Compliant Departures</b>	<b>38</b>	<b>32</b>	<b>20</b>	<b>90</b>
<b>Average Non-Compliant Departures per Night</b>	<b>1.2</b>	<b>1.0</b>	<b>0.7</b>	<b>1.0</b>
<b>Compliance Percentage</b>	<b>87%</b>	<b>88%</b>	<b>92%</b>	<b>89%</b>

## Quarterly South Field Reports Summary

<b>Runway 29 Right Turn Departure Restriction Compliance Summary - Fourth Quarter 2006</b>				
2006	October*	November	December	Quarter
Runway 29 Turbojet Departures	8,118	7,328	7,001	22,447
<b>Runway 29 Right Turn Climb Out Departures</b>	<b>63</b>	<b>1</b>	<b>7</b>	<b>71</b>
Percentage	0.78%	0.01%	0.10%	0.32%
Runway 29 RT Departure Success Rate	99.22%	99.99%	99.90%	99.68%
*Note: Fleet Week Airshow resulted in 49 non-compliant departures in October.				

<b>Silent 7 Night Departure Procedure Fourth Quarter 2006</b>				
	October	November	December	Quarter
Runway 29 Nighttime Turbojet Departures	1,104	1,066	1,162	3,332
Buffer Zone Departures	21	15	8	44
Percentage	1.9%	1.4%	0.7%	1.3%
<b>Silent 7 Deviations</b>	<b>19</b>	<b>21</b>	<b>12</b>	<b>52</b>
Percentage	1.7%	2.0%	1.0%	1.6%
Silent 7 Departure Success Rate	98.3%	98.0%	99.0%	98.4%

<b>Runway 11 Night Departure Right Turn Procedure Fourth Quarter 2006</b>				
	October	November	December	Quarter
Runway 11 Turbojet Departures	2	82	120	204
<b>Non-compliant Departures</b>	<b>0</b>	<b>61</b>	<b>76</b>	<b>137</b>
Compliant Departures	2	21	44	67
Right Turn Departure Success Rate	100.0%	25.6%	36.7%	32.8%
Runway 11 Jet Departures (10:00 p.m. and 6:00 a.m.)	2	32	71	105
<b>Non-compliant Departures (10:00 pm and 6:00 a.m.)</b>	<b>0</b>	<b>22</b>	<b>27</b>	<b>49</b>
Compliant Departures (10:00 p.m. and 6:00 a.m.)	2	10	44	56
Success Rate without 6-7 AM Departures	100.0%	31.3%	62.0%	53.3%

<b>Engine Run-up Restriction Program Fourth Quarter 2006</b>				
	<b>October</b>	<b>November</b>	<b>December</b>	<b>Quarter</b>
<b>Runups - 7:00 PM to 10:00 PM</b>	1	2	5	<b>8</b>
<b>Runups Greater Than 75 dB</b>	0	0	0	<b>0</b>
<b>Runups - 10:00 PM to 7:00 AM</b>	14	22	7	<b>43</b>
<b>Runups Greater Than 70 dB</b>	0	0	0	<b>0</b>
<b>Power Engine Runups (&gt;50%)</b>	15	24	12	<b>51</b>
<b>Total Runups in Enclosure (GRE)</b>	16	34	13	<b>63</b>
<b>Total Engine Runups</b>	<b>15</b>	<b>24</b>	<b>12</b>	<b>51</b>

<b>Rolling Takeoff Procedure Runway 29 Departures (1:00 and 5:00 a.m.) Fourth Quarter 2006</b>						
<b>Baseline Data @ RMT #2 (November 2002)</b>	<b>Total Nov. 2002 Departures</b>		<b>Noise Events</b>	<b>Lmax Average</b>	<b>SEL Average</b>	<b>Duration Average (seconds)</b>
<b>B727</b>	104		101	76	87	44
<b>DC10/MD10</b>	87		32	69	78	22
<b>MD11</b>	32		13	70	79	24
<b>A306</b>	67		21	67	77	25
<b>Fourth Quarter 2006</b>	<b>Aircraft Departures</b>		<b>Noise Events</b>	<b>Lmax Average</b>	<b>SEL Average</b>	<b>Duration Average (seconds)</b>
	<b>Total Quarterly</b>	<b>Average Monthly</b>				
<b>B727</b>	113	38	96	78	89	47
<b>DC10/MD10</b>	263	88	128	68	78	23
<b>MD11</b>	160	53	124	69	79	23
<b>A306</b>	166	55	74	67	77	18
<b>Difference</b>				<b>Lmax Average</b>	<b>SEL Average</b>	<b>Duration Average (seconds)</b>
<b>B727</b>				2.0	2.0	3
<b>DC10/MD10</b>				-1.0	0.0	1
<b>MD11</b>				-1.0	0.0	-1
<b>A306</b>				0.0	0.0	-7