



Los Angeles
World Airports

August 15, 2016

Mr. James E. Jenkins, Director of Airports
Department of Airports
San Bernardino County
777 East Rialto Avenue
San Bernardino, CA 92415

LAX

LA/Ontario

Van Nuys

City of Los Angeles

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Deborah Flint
Chief Executive Officer

Re: Submittal of Data for the Report Required by California Administrative
Code, Title 21, Chapter 2.5, Subchapter 6 - Noise Standards, Section 5025

Dear Mr. Jenkins:

Enclosed is the California State Airport Noise Standards Quarterly Report for
LA/Ontario International Airport (ONT) for the Second Quarter of 2016 (2Q16).

If you have any questions or concerns, please contact LAWA Noise
Management at 424-646-6500.

Sincerely,

Kathryn Pantoja
Environmental Affairs Officer

KP:md

Enclosures: California State Airport Noise Standards Quarterly Report
ANMP Tables 1-3

Cc: Steve Martin, Chief Development Officer
Los Angeles World Airports
Tim Ihle, Interim Airport Manager
LA/Ontario International Airport
Phillip Crimmins
California Dept. of Transportation



California State Airport Noise Standards Quarterly Report

Second Quarter 2016



Ontario

Los Angeles

World Airports

Los Angeles World Airports
LA/Ontario International Airport

August 9, 2016

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California State Airport Noise Standards Quarterly Report

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Attachment

Noise Contour Map

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**SUMMARY OF STATISTICAL INFORMATION
FOR
CALIFORNIA DEPARTMENT OF TRANSPORTATION**

LA/Ontario International Airport
Second Quarter 2016

1. Size of Noise Impact Area as defined in the Noise Standards (California Code of Regulations, Title 21, Chapter 2.5, Subchapter 6):

0 Acres

2. Estimated number of dwelling units included in the Noise Impact Area as defined in the Noise Standards:

0

3. Estimated number of people residing within the Noise Impact Area as defined in the Noise Standards:

0

4. Identification of aircraft type having highest takeoff noise level operating at this airport together with estimated number of operations by this aircraft type during the calendar quarter reporting period:

B747: 147

5. Total number of aircraft operations during the calendar quarter*:

21,402

6. Number of Air Carrier operations during the calendar quarter: (Not Mandatory)*

13,931

7. Percentage of Air Carrier operations by aircraft certificated under Federal Aviation Regulation (FAR) Part 36, Stage III. (Not Mandatory)

100 %

8. Estimated number of operations by General Aviation aircraft during the calendar quarter: (Not Mandatory)*

4,607

9. Estimated number of operations by Military aircraft during the calendar quarter: (Not Mandatory)*

125

ONTARIO INTERNATIONAL AIRPORT

Incompatible Land Use

Annual Noise Impact Accumulated by Noise Zone: CNEL 65, 70, and 75 +

2Q16	Total Cumulative Noise Impact Areas - City of Ontario											
	<i>CNEL 65 dB and Above</i>				<i>CNEL 70 dB and Above</i>				<i>CNEL 75 dB and Above</i>			
	Land Use	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels	Population	Acres	Dwelling Units	Parcels
Single Family	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Multi-Family	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Mobile Home	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Schools	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Churches	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Hospitals	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Total Incompatible	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0

Note: Parcels and dwelling units may not match for single family land uses due to subdivision.
Parcels for multifamily land uses reflect only the common area parcel, except for condominiums.

Report Date: 08/09/2016

April	ONT04	ONT06	ONT07	ONT08	ONT09	ONT10	ONT11	ONT14	ONT15
1 Fri	55	56	58	54	61	54	64	68	62
2 Sat	55	55	56		58	55	62	68	60
3 Sun	56	55	59	50	58	52	59	63	58
4 Mon	57	57	60	55	61	54	60	65	59
5 Tue									
6 Wed	58	56	59	55	61	55	66	69	
7 Thu	58	59	62	55	63	55	66	71	60
8 Fri	65	66	68		70	62	55	68	55
9 Sat	60	58	62	51	63	56	57	66	57
10 Sun	59	56	61	54	62	55	57	66	58
11 Mon	60	58	62	57	62	56	57	67	63
12 Tue	58	58	61	56	63	57	65	70	64
13 Wed	63	68	70	58	69	60	64	69	62
14 Thu	60	59	62	57	64	55	65	70	62
15 Fri	63	57	60	58	62	54	63	67	58
16 Sat	60	50	57	48	55	51	60	61	54
17 Sun	59	53	57	49	56	52	59	62	60
18 Mon	56	55	58	55	60	54	61	66	60
19 Tue	56	57	59	55	61	53	64	67	60
20 Wed	58	58	60	57	62	56	65	68	60
21 Thu	59	58	60	58	62	54	64	69	62
22 Fri	59	58	62	56	64	56	64	70	61
23 Sat	60	61	64	54	64	56	60	65	58
24 Sun	58	54	60	51	61	54	59	65	57
25 Mon	62	61	64	60	66	59	60	67	61
26 Tue	59	58	61	56	63	57	64	70	62
27 Wed	61	62	65	58	66	58	64	70	63
28 Thu	64	63	66	63	68	60	64	69	62
29 Fri	61	60	63	57	--	56	62	69	62
30 Sat	61	62	64	56	--	58	59	66	61

May	ONT04	ONT06	ONT07	ONT08	ONT09	ONT10	ONT11	ONT14	ONT15
1 Sun	58	56	60	52	--	55	58	65	58
2 Mon	58	57	60	59	--	55	61	70	60
3 Tue	59	58	61	57	--	55	64	69	62
4 Wed	60	61	63	59	--	56	64	70	63
5 Thu	65	64	67	62	--	60	64	70	63
6 Fri	63	63	66	61	--	60	57	69	61
7 Sat	54	52	55	55	--	52	55	66	56
8 Sun	57	57	60	54	--	53	58	64	57
9 Mon	59	58	61	59	--	55	62	67	60
10 Tue	60	59	62	58	--	56	64	70	62
11 Wed	61	60	64	59	--	57	65	69	65
12 Thu	61	59	63	57	--	56	64	70	64
13 Fri	56	56	59	56	--	55	64	71	61
14 Sat	58	57	61	56	--	55	57	65	58
15 Sun	61	63	65	61	--	58	55	64	56
16 Mon	58	59	61	57	--	56	57	68	62
17 Tue	65	68	71	64	--	62	64	69	62
18 Wed	61	60	64	58	--	58	65	70	62
19 Thu	63	62	66	61	--	59	63	70	63
20 Fri	65	65	68	64	--	61	61	69	61
21 Sat	59	57	61	56	--	55	59	65	58
22 Sun	57	54	59	52	--	54	59	65	57
23 Mon	59	59	62	59	--	56	60	69	61
24 Tue	63	62	66	61	64	60	62	69	62
25 Wed	66	66	69	65	71	62	62	69	62
26 Thu	59	60	61	57	63	55	66	70	63
27 Fri	65	68	69	65	71	62	63	67	61
28 Sat	60	56	61	56	63	56	57	65	58
29 Sun	53	58	59	58	63	54	57	63	56
30 Mon	57	54	58	51	60	53	57	64	56
31 Tue	59	59	61	59	63	55	59	68	62

June	ONT04	ONT06	ONT07	ONT08	ONT09	ONT10	ONT11	ONT14	ONT15
1 Wed	60	64	65	62	68	59	62	70	62
2 Thu	58	57	60	57	63	54	65	71	62
3 Fri	57	56	59	53	60	53	64	69	60
4 Sat	54	55	56	51	58	52	60	66	64
5 Sun	57	57	60	54	62	54	61	65	56
6 Mon	58	58	63	57	63	54	60	68	61
7 Tue	58	59	61	58	64	55	66	71	62
8 Wed	60	59	62	58	65	55	64	70	65
9 Thu	59	58	63	58	64	55	65	70	63
10 Fri	61	63	66	61	68	60	61	67	60
11 Sat	56	57	61	60	64	55	61	67	59
12 Sun	59	60	62	55	64	57	55	65	59
13 Mon	59	62	64	60	66	57	60	69	60
14 Tue	62	63	66	62	68	59	64	70	65
15 Wed	63	63	66	61	68	59	64	70	64
16 Thu	59	61	62	59	64	56	65	70	63
17 Fri	57	57	61	55	62	54	64	68	60
18 Sat	55	54	59	51	57	59	61	68	58
19 Sun	55	51	56	51	59	52	59	63	56
20 Mon	57	55	58	53	61	52	59	68	59
21 Tue	61	62	65	61	67	58	65	69	61
22 Wed	59	60	62	57	64	56	65	69	62
23 Thu	61	59	63	59	65	56	65	70	63
24 Fri	55	55	58	56	60	52	64	68	59
25 Sat	55	52	56	51	57	51	61	66	58
26 Sun	57	57	59	54	62	54	60	64	56
27 Mon	58	56	60	55	62	53	59	67	60
28 Tue	58	58	61	56	62	53	65	70	63
29 Wed	58	58	61	57	63	55	64	70	64
30 Thu	64	65	68	63	70	60	64	70	64

**Summary of Actions Taken by LAWA to Comply with the Specific
Requirements Imposed by Conditions of the Current Noise Variance
LA/Ontario International Airport**

Second Quarter 2016

The Los Angeles World Airports (LAWA) continuously works to operate an airport that maintains the highest possible environmental quality of life for surrounding communities. To that end, LAWA continues to take the following actions:

- LAWA implements and monitors its Noise Control Program to reduce the impact of the aircraft noise on nearby residential communities.
- LAWA works closely with the Federal Aviation Administration (FAA) to continue implementation of the ONT preferential runway use program, including the use of contra-flow procedures during the nighttime hours. LAWA Operations personnel coordinate with the FAA on any construction activities that may cause deviations from contra-flow procedures.
- LAWA has to worked with the City of Ontario to close out the Quiet Home Program, which is now complete. The previously reported incompatible dwelling unit is now compatible as the City of Ontario made its last and final effort to purchase the property. With each second quarter Quarterly Report, LAWA submits an annual update of its Aircraft Noise Mitigation Program (ANMP) at ONT, which was used to implement the Part 150 Noise Compatibility Program for ONT. This ANMP update includes the updated ONT Noise Exposure Map, which is the FAA accepted boundary for providing funding for the Residential Sound Insulation and Property Acquisition programs. There are no longer any incompatible land uses within this program boundary.
- LAWA actively participates in the meetings with the Ontario Airport Noise Advisory Committee (OANAC) to address issues of concern affecting communities surrounding the airport.

- LAWA also continues to provide staff to respond to aircraft-noise related citizen complaints.
- LAWA continues to prepare and forward reports of noise monitoring on a quarterly basis as required in Sections 5025 and 5030 through 5034 of the Noise Standards, including this summary of actions taken by LAWA to comply with the specific requirements imposed by conditions of the current noise variance.

2015 ANMP - Table 1

ONT ANMP Summary*

Residential Mitigation			ONT ANMP Date*:	October 2006
	Single Family	Multi-Family		
Number of Incompatible Dwelling Units:	0	0	Previous ANMP Date:	October 2004
Residential Incompatible Area:	0 acres	0 acres		
Sound Insulation	Dwellings Proposed for Sound Insulation:	0	Non-Residential Incompatible Area	
	Percentage Proposed for Sound Insulation:	0.0%	0.0%	
	Estimated Participating Dwellings (80.0%):	0	0	Schools: 0 acres
	Estimated Unit Insulation Cost (Average):	\$0	\$0	Hospitals: 0 acres
	---all dwelling types:	\$0		Churches: 0 acres
	Estimated Total Sound Insulation Cost:	\$0 million	\$0 million	
	---all dwelling types:	\$0 million		(Not currently proposed for mitigation.)
	Average Annual Units to be Insulated:	0		
	Estimated Time Until Completion:	0 years		Estimated Annual Budget
	Land Recycling	Dwellings Proposed for Recycling:	0	0
Percentage Proposed for Recycling:		0.0%	0.0%	FAA Grant: \$0 million
Estimated Unit Recycling Cost:		\$0	\$0	Other: \$0 million
---all dwelling types:		\$0		Total: \$0 million
Estimated Total Recycling Cost:		\$0 million	\$0 million	
---all dwelling types:		\$0 million		Remaining Cost and Time
Average Annual Units to be Recycled:		0		Total Cost: \$0 million
Estimated Time Until Completion:		0 years		Time: 0 years
Progress to Date		Funding Provided to Date		
Total Dwelling Units Mitigated: 1,818			LAWA:	\$48 million
			FAA:	\$80 million

*Summary table reflects ANMP progress through December 2015. Remaining incompatible land use numbers are based on the updated Noise Exposure Map (NEM) 65 dB CNEL contour as the program boundary.

2015 ANMP - Table 2

History of Land Use Mitigation Actions:
Annual Funding & Land Use Mitigation Achieved

Fiscal Year	Annual Budgets	
	LAWA Funding	FAA Grants
1991-92	\$2,000,000	\$2,000,000
1992-93	\$4,000,000	\$2,000,000
1993-94	\$0	\$2,400,000
1994-95	\$0	\$2,500,000
1995-96	\$0	\$2,500,000
1996-97	\$1,500,000	\$2,500,000
1997-98	\$0	\$2,500,000
1998-99	\$3,500,000	\$4,500,000
1999-00	\$2,000,000	\$4,500,000
2000-01	\$0	\$5,000,000
2001-02	\$0	\$5,000,000
2002-03	\$1,250,000	\$6,000,000
2003-04	\$750,000	\$8,500,000
2004-05	\$1,375,000	\$3,500,000
2005-06	\$875,000	\$0
2006-07	\$12,000,000	\$7,000,000
2007-08	\$12,000,000	\$3,000,000
2008-09	\$750,000	\$3,000,000
2009-10	\$750,000	\$3,000,000
2010-11	\$2,625,000	\$4,500,000
2011-12	\$1,500,000	\$6,000,000
2012-13	\$1,400,000	\$240,000
2013-14	\$0	\$0
2014-15	\$0	\$0
Total	\$48,275,000	\$80,140,000
Total Units Mitigated*:		1,818

* Per LAWA Aripport Noise GIS Land Use database from ONT Quiet Homes Program data through Dec 31, 2015.

2015 ANMP - Table 3

Counts of Compatible and Incompatible Land Use
Units and Acreage Within the ANMP Contours (2020 NEM 65 dB CNEL)

LANDUSE	CNEL Zone						Total	
	65 - 70		70 - 75		75+			
	Units	Acres	Units	Acres	Units	Acres	Units	Acres
<u>Incompatible Residential</u>								
Single Family	0	0.0	0	0.0	0	0.0	0	0.0
Two Family*	0	0.0	0	0.0	0	0.0	0	0.0
Multi-Family	0	0.0	0	0.0	0	0.0	0	0.0
Mobile Homes	0	0.0	0	0.0	0	0.0	0	0.0
<u>Other Incompatible</u>								
Schools	0	0.0	0	0.0	0	0.0	0	0.0
Hospitals	0	0.0	0	0.0	0	0.0	0	0.0
Churches	0	0.0	0	0.0	0	0.0	0	0.0
<u>Compatible Residential</u>								
Title 21 Compliance**	0	0.0	0	0.0	0	0.0	0	0.0
Easement***	4	1.6	0	0.0	0	0.0	4	1.6
Title 24 Compliance	0	0.0	0	0.0	0	0.0	0	0.0
<u>Other Compatible</u>								
Title 21 (Schools,Hospitals,Churches)	0	0.0	0	0.0	0	0.0	0	0.0
Easement (Schools,Hospitals,Churches)	0	0.0	0	0.0	0	0.0	0	0.0
Commercial,Industrial,etc (Hotels, Motels, Mixed use, etc)	1	877.7	0	570.6	0	957.9	1	2,406.2
Total Incompatible Residential	0	0.0	0	0.0	0	0.0	0	0.0
Total Other Incompatible	0	0.0	0	0.0	0	0.0	0	0.0
<u>Total Incompatible</u>	0	0.0	0	0.0	0	0.0	0	0.0
Total Residential Compatible	4	1.6	0	0.0	0	0.0	4	1.6
Total Other Compatible	1	877.7	0	570.6	0	957.9	1	2,406.2
<u>Total Compatible</u>	5	879.3	0	570.6	0	957.9	5	2,407.8
Grand Total:	5	879.3	0	570.6	0	957.9	5	2,407.8

*Considered separately from Multi-Family for purposes of cost estimation.

**Easement not obtained.

***May or may not be sound insulated.