

RAP – ASCON Landfill Site

DRAFT EIR

Noise Worksheets

Provided by PCR Services Corporation

- On-Site Implementation of RAP Noise Calculations
- Off-Site Haul Truck Noise Calculations

Appendix

- On-Site Implementation of RAP Noise Calculations

Project: RAP - ASCON Landfill Site
Phase 1 Mobilization
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Backhoe	1	80		40%	350	10
Graders	1	85		40%	350	10
Water Trucks	1	80		10%	350	10

Receptor: R1
Results:
Hourly Leq: 56

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 2 *Fit F*
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	190	10
Backhoe	1	80		40%	190	10
Generator Sets	1	81		50%	190	10
Excavator	1	81		40%	190	10
Pumps	1	81		50%	190	10
Pickup Truck	1	75		40%	190	10
Pickup Truck	1	75		40%	190	10
Other Equipment (HVAC)	1	85		50%	190	10

Receptor: *R1*
Results:
Hourly Leq: 65

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 3 Cut/Fill to Top of Waste
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	160	10
Excavator	1	81		40%	160	10
Rubber Tire Loaders	1	79		40%	160	10
Backhoe	1	80		40%	160	10
Other Equipment (Foam Applicator)	1	85		50%	310	10
Other Equipment (ODEX Applicator)	1	85		50%	310	10
Pickup Truck	1	75		40%	310	10
Water Trucks	1	80		10%	310	10
Dump/Haul Trucks	2	76		20%	460	10
Water Trucks	2	80		10%	460	10
Dozer	1	82		40%	460	10
Compactor (Ground)	1	83		20%	460	10
Rock Crushing	1	96		5%	800	10

Receptor: R1
Results:
Hourly Leq: 64

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 4 Treatment Cell
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Backhoe	1	80		40%	600	10
Dozer	1	82		40%	600	10

Receptor: R1
Results:
Hourly Leq: 49

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 5 Concrete debris
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	100	10
Dump/Haul Trucks	2	76		20%	100	10
Water Trucks	2	80		10%	100	10
Rock Crushing	1	96		5%	800	10

Receptor: R1
Results:
Hourly Leq: 63

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 6 *Fill to Final Grade*
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Compactor (Ground)	1	83		20%	100	10
Dozer	1	82		40%	100	10
Water Trucks	3	80		10%	100	10

Receptor: *R1*
Results:
Hourly Leq: 65

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 7 Surface Water Controls
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Compactor (Ground)	1	83		20%	100	10
Dozer	1	82		40%	100	10
Water Trucks	2	80		10%	100	10

Receptor: R1
Results:
Hourly Leq: 65

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 8 City Parcel
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	100	10
Other Equipment (Foam Applicator)	1	85		50%	100	10
Other Equipment (ODEX Applicator)	1	85		50%	100	10
Pickup Truck	2	75		40%	100	10
Water Trucks	2	80		10%	100	10
Dump/Haul Trucks	2	76		20%	100	10

Receptor: R1
Results:
Hourly Leq: 70

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 9 South Coast Oil Corporation
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	1200	10
Rubber Tired Loader	1	79		50%	1200	10
Backhoe	1	80		40%	1200	10
Other Equipment (Foam Applicator)	1	85		50%	1200	10
Other Equipment (ODEX Applicator)	1	85		50%	1200	10
Pickup Truck	2	75		40%	1200	10
Dump/Haul Trucks	2	76		20%	1200	10
Water Trucks	1	80		10%	1200	10
Dozer	1	82		40%	1200	10

Receptor: R1
Results:
Hourly Leq: 50

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 10 Site Restoration
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Backhoe	1	80		40%	100	10

Receptor: R1
Results:
Hourly Leq: 60

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 1 Mobilization
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Backhoe	1	80		40%	1200	5
Graders	1	85		40%	1200	5
Water Trucks	1	80		10%	1200	5

Receptor: R2: Edison High School
Results:
Hourly Leq: 50

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 2 *Fit F*
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	1200	5
Backhoe	1	80		40%	1200	5
Generator Sets	1	81		50%	1200	5
Excavator	1	81		40%	1200	5
Pumps	1	81		50%	1200	5
Pickup Truck	1	75		40%	1200	5
Pickup Truck	1	75		40%	1200	5
Other Equipment (HVAC)	1	85		50%	1200	5

Receptor: *R2: Edison High School*
Results:
Hourly Leq: 54

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 3 Cut/Fill to Top of Waste
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	460	5
Excavator	1	81		40%	460	5
Rubber Tire Loaders	1	79		40%	460	5
Backhoe	1	80		40%	460	5
Other Equipment (Foam Applicator)	1	85		50%	610	5
Other Equipment (ODEX Applicator)	1	85		50%	610	5
Pickup Truck	1	75		40%	610	5
Water Trucks	1	80		10%	610	5
Dump/Haul Trucks	2	76		20%	760	5
Water Trucks	2	80		10%	760	5
Dozer	1	82		40%	760	5
Compactor (Ground)	1	83		20%	760	5
Rock Crushing	1	96		5%	800	5

Receptor: R2: Edison High School
Results:
Hourly Leq: 63

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 4 *Treatment Cell*
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Backhoe	1	80		40%	1300	5
Dozer	1	82		40%	1300	5

Receptor: *R2: Edison High School*
Results:
Hourly Leq: 47

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 5 Concrete debris
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	400	5
Dump/Haul Trucks	2	76		20%	400	5
Water Trucks	2	80		10%	400	5
Rock Crushing	1	96		5%	800	5

Receptor: R2: Edison High School
Results:
Hourly Leq: 58

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 6 *Fill to Final Grade*
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Compactor (Ground)	1	83		20%	400	5
Dozer	1	82		40%	400	5
Water Trucks	3	80		10%	400	5

Receptor: *R2: Edison High School*
Results:
Hourly Leq: 58

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site

Phase 7 *Surface Water Controls*

Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Compactor (Ground)	1	83		20%	1200	5
Dozer	1	82		40%	1200	5
Water Trucks	2	80		10%	1200	5

Receptor: *R2: Edison High School*

Results:

Hourly Leq: 48

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 8 City Parcel
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	400	5
Other Equipment (Foam Applicator)	1	85		50%	400	5
Other Equipment (ODEX Applicator)	1	85		50%	400	5
Pickup Truck	2	75		40%	400	5
Water Trucks	2	80		10%	400	5
Dump/Haul Trucks	2	76		20%	400	5

Receptor: R2: Edison High School
Results:
Hourly Leq: 63

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 9 South Coast Oil Corporation
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	1800	5
Rubber Tired Loader	1	79		50%	1800	5
Backhoe	1	80		40%	1800	5
Other Equipment (Foam Applicator)	1	85		50%	1800	5
Other Equipment (ODEX Applicator)	1	85		50%	1800	5
Pickup Truck	2	75		40%	1800	5
Dump/Haul Trucks	2	76		20%	1800	5
Water Trucks	1	80		10%	1800	5
Dozer	1	82		40%	1800	5

Receptor: R2: Edison High School
Results:
Hourly Leq: 51

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 10 Site Restoration
Equipment

Description	No. of Equip.	Reference Noise	Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax			
Backhoe	1	80	40%	400	5

Receptor: R2: Edison High School
Results:
Hourly Leq: 53

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 1 Mobilization
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Backhoe	1	80		40%	850	5
Graders	1	85		40%	850	5
Water Trucks	1	80		10%	850	5

Receptor: R2: Fire Station
Results:
Hourly Leq: 53

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 2 *Fit F*
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	1150	5
Backhoe	1	80		40%	1150	5
Generator Sets	1	81		50%	1150	5
Excavator	1	81		40%	1150	5
Pumps	1	81		50%	1150	5
Pickup Truck	1	75		40%	1150	5
Pickup Truck	1	75		40%	1150	5
Other Equipment (HVAC)	1	85		50%	1150	5

Receptor: *R2: Fire Station*
Results:
Hourly Leq: 54

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 3 Cut/Fill to Top of Waste
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	330	5
Excavator	1	81		40%	330	5
Rubber Tire Loaders	1	79		40%	330	5
Backhoe	1	80		40%	330	5
Other Equipment (Foam Applicator)	1	85		50%	480	5
Other Equipment (ODEX Applicator)	1	85		50%	480	5
Pickup Truck	1	75		40%	480	5
Water Trucks	1	80		10%	480	5
Dump/Haul Trucks	2	76		20%	630	5
Water Trucks	2	80		10%	630	5
Dozer	1	82		40%	630	5
Compactor (Ground)	1	83		20%	630	5
Rock Crushing	1	96		5%	800	5

Receptor: R2: Fire Station
Results:
Hourly Leq: 65

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 4 Treatment Cell
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Backhoe	1	80		40%	1150	5
Dozer	1	82		40%	1150	5

Receptor: R2: Fire Station
Results:
Hourly Leq: 48

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 5 Concrete debris
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	350	5
Dump/Haul Trucks	2	76		20%	350	5
Water Trucks	2	80		10%	350	5
Rock Crushing	1	96		5%	800	5

Receptor: R2: Fire Station
Results:
Hourly Leq: 59

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site

Phase 6 *Fill to Final Grade*

Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Compactor (Ground)	1	83		20%	350	5
Dozer	1	82		40%	350	5
Water Trucks	3	80		10%	350	5

Receptor: *R2: Fire Station*

Results:

Hourly Leq: 59

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 7 Surface Water Controls
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Compactor (Ground)	1	83		20%	850	5
Dozer	1	82		40%	850	5
Water Trucks	2	80		10%	850	5

Receptor: R2: Fire Station
Results:
Hourly Leq: 51

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 8 City Parcel
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	350	5
Other Equipment (Foam Applicator)	1	85		50%	350	5
Other Equipment (ODEX Applicator)	1	85		50%	350	5
Pickup Truck	2	75		40%	350	5
Water Trucks	2	80		10%	350	5
Dump/Haul Trucks	2	76		20%	350	5

Receptor: R2: Fire Station
Results:
Hourly Leq: 64

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 9 South Coast Oil Corporation
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	1500	5
Rubber Tired Loader	1	79		50%	1500	5
Backhoe	1	80		40%	1500	5
Other Equipment (Foam Applicator)	1	85		50%	1500	5
Other Equipment (ODEX Applicator)	1	85		50%	1500	5
Pickup Truck	2	75		40%	1500	5
Dump/Haul Trucks	2	76		20%	1500	5
Water Trucks	1	80		10%	1500	5
Dozer	1	82		40%	1500	5

Receptor: R2: Fire Station
Results:
Hourly Leq: 53

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 10 Site Restoration
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Backhoe	1	80		40%	350	5

Receptor: R2: Fire Station
Results:
Hourly Leq: 54

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 1 Mobilization
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Backhoe	1	80		40%	500	5
Graders	1	85		40%	500	5
Water Trucks	1	80		10%	500	5

Receptor: R3
Results:
Hourly Leq: 57

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 2 *Fit F*
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	1500	5
Backhoe	1	80		40%	1500	5
Generator Sets	1	81		50%	1500	5
Excavator	1	81		40%	1500	5
Pumps	1	81		50%	1500	5
Pickup Truck	1	75		40%	1500	5
Pickup Truck	1	75		40%	1500	5
Other Equipment (HVAC)	1	85		50%	1500	5

Receptor: *R3*
Results:
Hourly Leq: 52

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 3 Cut/Fill to Top of Waste
Equipment

Description	No. of Equip.	Reference Noise		Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax	Acoustical Usage Factor		
Excavator	1	81	40%	500	5
Excavator	1	81	40%	500	5
Rubber Tire Loaders	1	79	40%	500	5
Backhoe	1	80	40%	500	5
Other Equipment (Foam Applicator)	1	85	50%	650	5
Other Equipment (ODEX Applicator)	1	85	50%	650	5
Pickup Truck	1	75	40%	650	5
Water Trucks	1	80	10%	650	5
Dump/Haul Trucks	2	76	20%	800	5
Water Trucks	2	80	10%	800	5
Dozer	1	82	40%	800	5
Compactor (Ground)	1	83	20%	800	5
Rock Crushing	1	96	5%	800	5

Receptor: R3
Results:
Hourly Leq: 62

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 4 Treatment Cell
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Backhoe	1	80		40%	1000	5
Dozer	1	82		40%	1000	5

Receptor: R3
Results:
Hourly Leq: 49

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 5 Concrete debris
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	300	5
Dump/Haul Trucks	2	76		20%	300	5
Water Trucks	2	80		10%	300	5
Rock Crushing	1	96		5%	800	5

Receptor: R3
Results:
Hourly Leq: 60

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 6 *Fill to Final Grade*
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Compactor (Ground)	1	83		20%	300	5
Dozer	1	82		40%	300	5
Water Trucks	3	80		10%	300	5

Receptor: *R3*
Results:
Hourly Leq: 61

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 7 Surface Water Controls
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Compactor (Ground)	1	83		20%	300	5
Dozer	1	82		40%	300	5
Water Trucks	2	80		10%	300	5

Receptor: R3
Results:
Hourly Leq: 60

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 8 City Parcel
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	300	5
Other Equipment (Foam Applicator)	1	85		50%	300	5
Other Equipment (ODEX Applicator)	1	85		50%	300	5
Pickup Truck	2	75		40%	300	5
Water Trucks	2	80		10%	300	5
Dump/Haul Trucks	2	76		20%	300	5

Receptor: R3
Results:
Hourly Leq: 66

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 9 South Coast Oil Corporation
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Excavator	1	81		40%	900	5
Rubber Tired Loader	1	79		50%	900	5
Backhoe	1	80		40%	900	5
Other Equipment (Foam Applicator)	1	85		50%	900	5
Other Equipment (ODEX Applicator)	1	85		50%	900	5
Pickup Truck	2	75		40%	900	5
Dump/Haul Trucks	2	76		20%	900	5
Water Trucks	1	80		10%	900	5
Dozer	1	82		40%	900	5

Receptor: R3
Results:
Hourly Leq: 57

Source for Ref. Noise Levels: FHWA, RCNM 2005

Project: RAP - ASCON Landfill Site
Phase 10 Site Restoration
Equipment

Description	No. of Equip.	Reference Noise		Acoustical Usage Factor	Distance to Receptor, ft	Estimated Noise Shielding, dBA
		Level at 50ft, Lmax				
Backhoe	1	80		40%	300	5

Receptor: R3
Results:
Hourly Leq: 55

Source for Ref. Noise Levels: FHWA, RCNM 2005

Appendix

- Off-Site Haul Truck Noise Calculations

Off-Site Truck Traffic Noise Calculations
1 of 1

Project: RAP - ASCON Landfill Site

Haul Truck Noise

Existing									
Roadway/Segment	Traffic Volumes			Leq			CNEL		
	AM	PM	ADT	ROW	25 Feet	200 Feet	ROW	25 Feet	200 Feet
Hamilton Avenue			300	64.7	62.4	56.6	61.7	59.4	53.6
Magnolia Street			300	67.4	63.8	56.9	64.4	60.8	53.9
Newland Street			300	67.4	63.8	56.9	64.4	60.8	53.9
Pacific Coast Highway			300	66.1	63.5	57.2	63.1	60.4	54.2
Beach Boulevard			300	64.3	62.4	57.0	61.3	59.4	54.0
Future No Project									
Roadway/Segment	Traffic Volumes			Leq			CNEL		
	AM	PM	ADT	ROW	25 Feet	200 Feet	ROW	25 Feet	200 Feet
Hamilton Avenue			0	-	-	-	-	-	-
Magnolia Street			0	-	-	-	-	-	-
Newland Street			0	-	-	-	-	-	-
Pacific Coast Highway			0	-	-	-	-	-	-
Beach Boulevard			0	-	-	-	-	-	-
Future With Project									
Roadway/Segment	Traffic Volumes			Leq			CNEL		
	AM	PM	ADT	ROW	25 Feet	200 Feet	ROW	25 Feet	200 Feet
Hamilton Avenue			0	-	-	-	-	-	-
Magnolia Street			0	-	-	-	-	-	-
Newland Street			0	-	-	-	-	-	-
Pacific Coast Highway			0	-	-	-	-	-	-
Beach Boulevard			0	-	-	-	-	-	-

Summary	CNEL			
	25 ft. from ROW		At ROW	
	Project Increment	Cumulative Increment	Project Increment	Cumulative Increment
Hamilton Avenue	-	-	-	-
Magnolia Street	-	-	-	-
Newland Street	-	-	-	-
Pacific Coast Highway	-	-	-	-
Beach Boulevard	-	-	-	-