DOE Oversight Bureau, New Mexico Environment Department

Direct Penetrating Radiation Monitoring at the Waste Isolation Pilot Plant

Conducted by the New Mexico Environment Department DOE Oversight Bureau for Calendar Year 2015

> Prepared by Jennifer Hart, Staff Manager Martin Simon, former Environmental Scientist Krissie Carrasco, Administrative Assistant Susan Lucas Kamat, Bureau Chief Will Teeter, Environmental Scientist

> > WIPP Oversight Section 406 N Guadalupe Street Carlsbad, NM 88220 (575) 885-9023 jennifer.hart@state.nm.us

> > > **Final Report**

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The purpose of this communication is to transmit direct penetrating radiation (DPR) dose levels collected at the Waste Isolation Pilot Plant during the calendar year 2015. The data measurements were obtained using the E-PERM® electret ionization chamber system from Rad Elec Inc.

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Introduction

On average, Americans receive a radiation dose of about 620 mrem each year. Half of this dose (310 mrem) comes from natural background radiation: radon in the air, cosmic rays and the Earth itself. The other half comes from man-made sources of radiation: medical, commercial, and industrial sources (Doses in our Daily Lives, U.S. Nuclear Regulatory Commission website <u>http://www.nrc.gov/about-nrc/radiation/around-us/doses-daily-lives.html</u>, accessed August 4, 2014).

The environmental dose standard for the Waste Isolation Pilot Plant (WIPP) facility is established in Title 40 Code of Federal Regulations (CFR) Part 191, Subpart A, "Environmental Standards for Management and Storage." The standard sets the regulatory limit for external radiation to a member of the public outside the exclusive use area boundary at 25 mrem per year to the whole body and 75 mrem to any critical organ.

In a 1995 memorandum of understanding between the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE), the DOE agreed that the WIPP facility would comply with 40 CFR Part 61, Subpart H, "National Emission Standards for Emissions of Radionuclides Other Than Radon from Department of Energy Facilities." The National Emissions Standards for Hazardous Air Pollutants (NESHAP) standard for radionuclides requires that the emissions of radionuclides to the ambient air from DOE facilities shall not exceed those amounts that would cause any member of the public to receive in any year an effective dose equivalent (EDE) of 10 mrem per year.

The New Mexico Environment Department (NMED) DOE Oversight Bureau (DOE-OB or the Bureau) has measured and compiled Direct Penetrating Radiation (DPR) dose levels recorded at NMED DOE-OB monitoring sites during calendar year (CY) 2015. The Bureau maintains fourteen (14) monitoring sites located at WIPP, in the Exclusive Use Area, and six (6) sites at other locations off-site in the WIPP region (Table 1, Figures 1 and 2) that are sampled quarterly.

Location	Location Description	Operational History
DPR 01	Exclusive Use Area, Parking lot	CY2006 Q-3 to present
DPR 02	Exclusive Use Area, Railroad Entrance	CY2006 Q-3 to present
DPR 03	Exclusive Use Area, Southwest Fence Corner	CY2007 Q-1 to present
DPR 04	Exclusive Use Area, South Fence Center	CY2007 Q-1 to present
DPR 05	Exclusive Use Area, Near Southeast Fence Corner	CY2006 Q-3 to present
DPR 06	Exclusive Use Area, Far Southeast Fence Corner	CY2006 Q-3 to present
DPR 07	Exclusive Use Area, East Fence Mid	CY2007 Q-1 to present
DPR 08	Exclusive Use Area, Northeast Fence Corner	CY2007 Q-1 to present
DPR 09	Exclusive Use Area, North-Northeast Fence	CY2007 Q-1 to present
DPR 10	Exclusive Use Area, North Fence Salt Pile	CY2007 Q-1 to present
DPR 11	Exclusive Use Area, Northwest Fence Corner	CY2006 Q-3 to present

Table 1. Location and operational details of Direct Penetrating Radiation monitoring stations located inside the WIPP Exclusive Use Area and in the WIPP vicinity.

DPR 12	Exclusive Use Area, Waste Handling Building, Loading Dock West	CY2006 Q-3 to present
DPR 13	Exclusive Use Area, Waste Handling Building, Loading Dock Center	CY2006 Q-3 to present
DPR 14	Exclusive Use Area, Waste Handling Building, Loading Dock East	CY2006 Q-3 to present
DPR 15	Carlsbad, NM - Canal St.	CY2006 Q-3 to CY2012 Q2 ¹
DPR 16	Loving Weigh Station	CY2007 Q3, CY2009 Q-3 to present
DPR 17	Malaga Volunteer Fire Department	CY2008 Q-1 to present
DPR 18	Hobbs Highway / North Access Road	CY2009 Q-1 to present
DPR 19	Southeast Control Tower	CY2011 Q-4 to present
DPR 20	Carlsbad, NM - Guadalupe St. (interior)	CY2012 Q-3 to present
DPR 21	Carlsbad, NM - Guadalupe St. (exterior)	CY2012 Q-3 to present

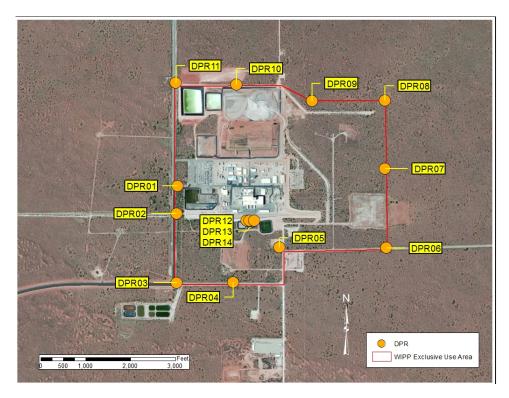


Figure 1. Location of DPR monitors maintained by the DOE Oversight Bureau at the WIPP.

¹ Sampling at DPR 15 was discontinued after CY2012 Q2 when NMED moved their office from the Canal Street location to the Guadalupe Street location

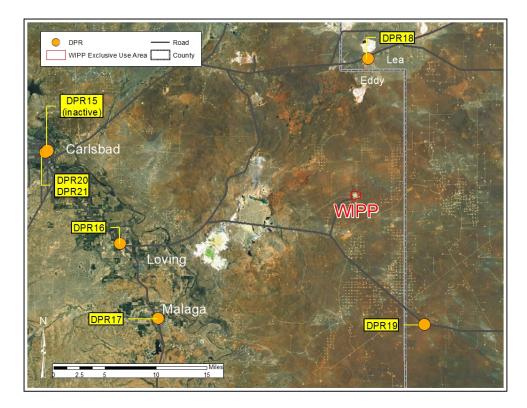


Figure 2. Location of DPR monitors maintained by the DOE Oversight Bureau in the area surrounding WIPP.

The data were obtained using the E-PERM® electret ionization chamber system from Rad Elec Inc. The electret passive ion chamber uses the principle of ion pair production resulting from gamma photons interacting with air molecules to reduce the voltage of a charged Teflon[™] disk. The chambers are housed in aluminum canisters designed to block gamma radiation from radon. Using a predetermined formula, the voltage drop indicates the amount of radiation passing through the chamber. NMED DOE-OB's monitoring program reads electret passive ion chambers at the end of each quarter, converts reading into quarterly dose values presented in units of millirads (mrad).

A rad is a unit of absorbed radiation dose, regardless of its source. The rem (Roentgen equivalent man) is a commonly used unit of ionizing radiation dose that uses a quality factor based on the source of radiation as it interacts with human body tissue. In the case of gamma radiation, the quality factor is one, and thus one rad is equal to one rem.

The quarterly dose rates have been normalized to reflect an actual quarter of 91.25 days. Normalized quarterly dose rates are summed for an estimated annual dose rate.

<u>Results</u>

A summary of the DPR results for each station by quarter, average quarterly dose and total doses for CY 2015 are presented in Table 2 and Figure 3. For the complete dataset, see Appendix 1.

First Quarter.

DPR results at the WIPP ranged from a minimum average quarterly dose of 21.5 mrad at the WIPP Waste Handling Building, Loading Dock West (DPR12), to a maximum average quarterly dose of 45.6 mrad at the Near Southeast Fence Corner (DPR15). The largest measurement in the vicinity of WIPP was 55.7 mrad, measured at the Malaga Volunteer Fire Department location (DPR17).

Second Quarter.

DPR results at the WIPP ranged from a minimum average quarterly dose of 24.4 mrad at the WIPP Waste Handling Building, Loading Dock Center (DPR13), to a maximum average quarterly dose of 44.9 mrad at the Northeast Fence Corner (DPR08). The largest measurement in the vicinity of WIPP was 32.7 mrad, measured at Loving Weigh Station (DPR16).

Third Quarter.

DPR results at the WIPP ranged from a minimum average quarterly dose of 23.5 mrad at the Northeast Fence Corner (DPR08), to a maximum average quarterly dose of 54.8 mrad at the North-Northeast Fence Corner (DPR09). The largest measurement in the region of WIPP was 32.1 mrad, measured at Loving Weigh Station (DPR16).

Fourth Quarter.

DPR results at the WIPP ranged from a minimum average quarterly dose of 18.2 mrad at the WIPP WIPP Waste Handling Building, Loading Dock Center (DPR13), to a maximum average quarterly dose of 34.4 at the North-Northeast Fence (DPR09) The largest measurement in the region surrounding WIPP was 55.4 mrad at NMED Guadalupe St. Office Interior (DPR20).

Annual Summary:

A review of the historical DPR data collected at WIPP in the surrounding region identified several potential outliers in the dataset. In these instances, one of the three electrets at a location had a voltage drop that was significantly higher or lower than the other two electrets. Potential outliers were compared to the quarterly average across all stations, and data that exceeded 2 and 3 standard deviations from the mean are identified in Table 2. Potential outliers have not been excluded from the results reported or analyzed.

Table 2. NMED DOE OB DPR Results by Quarter, Average Quarterly Dose, and Total Annual Dose by Station Location for Calendar Year (CY) 2015. No data is reported if the data were disqualified (DQ)². (*) indicates that one of the three electrets' calculated dose exceeds two standard deviations of the mean quarterly average for all stations without a disqualifying event listed in the field notes. (**) indicates that one of the three electrets' calculated dose exceeds three standard deviations of the mean quarterly average for all stations without a disqualifying event listed in the field notes. (**) indicates that one of the three electrets' calculated dose exceeds three standard deviations of the mean quarterly average for all stations without a disqualifying event listed in the field notes. Total annual doses were not calculated if one or more quarter's data was DQ.

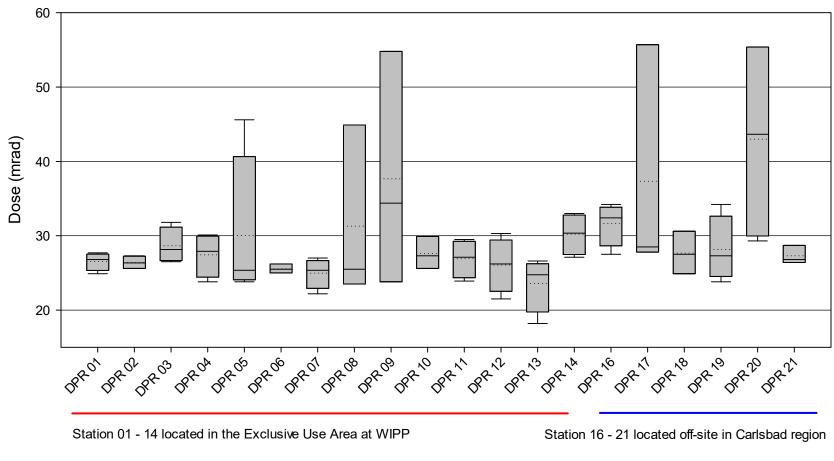
NMED DPR Location	Q1 CY 2015 Dose (mrad)	Q2 CY 2015 Dose (mrad)	Q3 CY 2015 Dose (mrad)	Q4 CY 2015 Dose (mrad)	CY 2015 Average Quarterly Dose (mrad)	CY 2015 Total Annual Dose (mrad)
DPR 01	24.9	27.0	26.6	27.7	26.6	106.2
DPR 02	25.6	25.6	27.3	27.1	26.4	105.6
DPR 03	26.5	27.1*	31.8	29.2	28.7	114.6
DPR 04	23.8	29.5	30.1	26.3	27.4	109.7
DPR 05	45.6**	24.9	23.8	25.8	30.0	120.1
DPR 06	26.2	25.5	DQ	25.0	25.6	
DPR 07	22.2	25.1	25.6	27.0	25.0	99.9
DPR 08	25.5	44.9**	23.5	DQ	31.3	
DPR 09	23.8	DQ	54.8**	34.4*	37.7	
DPR 10	27.3	25.6	29.9	DQ	27.6	
DPR 11	25.7	29.5	23.9	28.5	26.9	107.6
DPR 12	21.5	26.8	30.3	25.6	26.1	104.2
DPR 13	25.1	24.4	26.6	18.2*	23.6	94.3
DPR 14	27.1	28.6	33	32.1	30.2	120.8
DPR 16	27.5	32.7	32.1	34.2	31.6	126.5
DPR 17	55.7**	DQ	27.8	28.5	37.3	
DPR 18	27.5	24.9	DQ	30.6	27.7	
DPR 19	23.8	26.7	27.9	34.2	28.2	112.6
DPR 20	55.3**	32.0**	29.3	55.4**	43.0	172.0
DPR 21	26.8	26.4	28.7	DQ	27.3	

² Data is disqualified if the canister or electrets have been found to have been tampered with in any way. Details of the conditions for disqualification are provided in Appendix 1. Disqualified data are not included in any further analysis.

There was no observable trend in the calculated doses measured at individual stations from CY2015 Q-1 to CY2015 Q-4. There were significant differences in the calculated doses among stations (Figure 3). Post hoc analyses indicate that the doses measured at DPR 20 (Guadalupe Office Interior) were significantly higher than at DPR 13 (Waste Handling Building, Loading Dock Center).

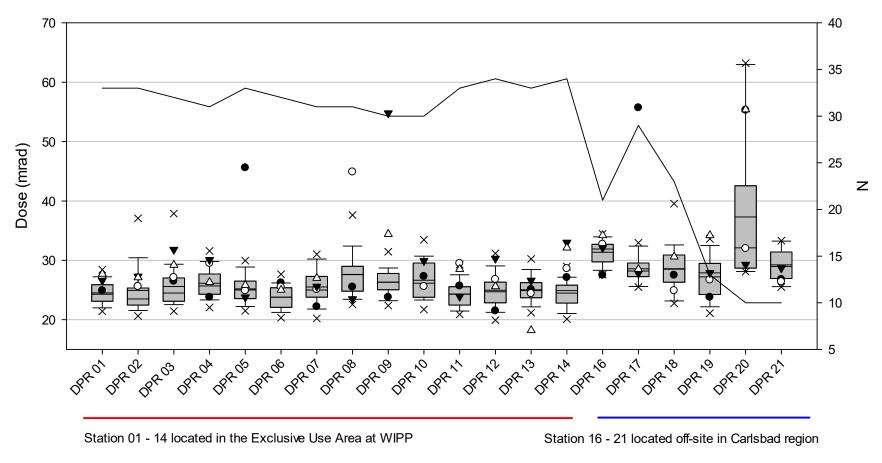
In general, the locations sampled off-site of WIPP, in and around the Carlsbad region (quarterly average 32.76 ± 9.90 , n=21), had slightly higher quarterly doses than the stations located in the Exclusive Use Area on-site at WIPP (quarterly average 27.87 ± 5.97 , n=52).

Data collected during CY 2015 are comparable with historical data (Figure 4). The average quarterly dose across all locations and all quarters in CY 2015 was 29.28 \pm 7.58 (n=73). The average quarterly dose across all locations and all quarters from 2006 through 2014 was 26.87 \pm 3.38 (n=556). It's important to note that some stations have been sampled quarterly since 2006, while other locations have only been sampled since 2012 (Table 1), so the sample size varies at each location (Figure 4).



Station Location

Figure 3. Average quarterly dose calculations for each DPR monitoring location sampled during CY 2015. Box plots depicting the 10th, 25th, 75th, and 90th percentiles; the solid middle line is the median, the dotted middle line is the mean.



Station Location

Figure 4. Quarterly dose calculations (• = Q1, \circ = Q2, ∇ = Q3, and Δ = Q4) for each DPR monitoring location in CY 2015 compared to historical averages, all available quarterly doses 2006-2014. Box plots depicting the 10th, 25th, 75th, and 90th percentiles; the solid middle line is the median, the dotted middle line is the mean; X = potential outliers. N = the number of quarterly samples between 2006 and 2014 (black line).

Conclusions

The doses calculated from the NMED DPR locations located at WIPP and in the surrounding region during CY 2015 are comparable with historical results obtained by the DOE Oversight Bureau since 2006. There were some spikes observed above the historical averages from some locations, but overall the 2015 data fall within the range of expected doses.

If you sum the quarterly dose rates measured during CY 2015, the annual direct penetrating radiation dosages measured by the NMED at WIPP and in the region surrounding Carlsbad range from 94.3 to 172 mrad. In the case of gamma radiation, the quality factor is one, and thus one rad is equal to one rem. These observed dose rates are less than the average U.S. natural background annual dose of 310 mrem.

<u>Reference</u>

Department of Energy and Environmental Protection Agency. "Memorandum of Understanding Between the U.S. EPA and the U.S. DOE Concerning the Clean Air Act Emission Standards for Radionuclides 40 CFR § 61, Including Subparts H, I, Q & T." Signed by Mary D. Nichols, EPA Assistant Administrator for Air and Radiation: September 29, 1994. Signed by Tara O'Toole, DOE Assistant Secretary for Environment, Safety, and Health, April 5, 1995

<u> Appendix 1 -</u>

Direct Penetrating Radiation Quarterly Dose Rates for CY 2015. Data that have been disqualified are highlighted grey, and provides a brief explanation for the disqualification. (*) indicates that the calculated dose exceeds two standard deviations of the mean quarterly average for all stations without a disqualifying event listed in the field notes. (**) indicates that the calculated dose exceeds three standard deviations of the mean quarterly average for all stations without a disqualifying event listed in the field notes.

Electret ID Time Voltage Drop Normal SGJ 022 12/26/2014 9:50 3/27/2015 10:27 44 25.3 SGJ 058 12/26/2014 9:50 3/27/2015 10:27 40 22.4 SHC 841 12/26/2014 9:50 3/27/2015 10:27 50 27.2 Average Quarterly Dose in mrad: Z4.5 DPR02 Railroad Track Entrance Quarterly SK 428 12/26/2014 11:30 3/27/2015 10:28 45 26.5 SFK 428 12/26/2014 11:30 3/27/2015 10:28 45 26.5 SFK 437 12/26/2014 11:30 3/27/2015 10:28 42 23.9 Average Quarterly Dose in mrad: 25.6 DPR03 Southwest Fence Corner Quarterly SHC 673 12/26/2014 11:25 3/27/2015 10:37 52 28.2 SHC 676 12/26/2014 11:25 3/27/2015 10:37 47 25.6 DPR04 South Fence Center Voltage Drop Normal SFK 550 12/26/2014 11:25 3/27/2015 10:37 47 25.7	CY2015 First	t Quarter:			
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CY2015 First Quarter:

DPR06	Far Southeast Fer	nce Corner		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SGI 982	12/26/2014 9:55	3/27/2015 10:22	45	24.7
SHC 665	12/26/2014 9:55	3/27/2015 10:22	49	26.9
SHC 667	12/26/2014 9:55	3/27/2015 10:22	50	27.1
		Average Quarterl	y Dose in mrad:	26.2
DPR07	East Fence Mid			
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SGJ 037	12/26/2014 9:45	3/27/2015 10:31	35	18.9
SHC 674	12/26/2014 9:45	3/27/2015 10:31	42	22.6
SHC 755	12/26/2014 9:45	3/27/2015 10:31	46	25.2
		Average Quarterl	y Dose in mrad:	22.2
DPR08	Northeast Fence (Corner		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 431	12/26/2014 10:35	3/27/2015 10:47	44	25.7
SFK 510	12/26/2014 10:35	3/27/2015 10:47	45	25.9
SFK 533	12/26/2014 10:35	3/27/2015 10:47	44	24.9
		Average Quarterl	y Dose in mrad:	25.5
DPR09	North-Northeast F	ence		
DPR09	North-Northeast F Start Date and	ence Finish Date and		Quarterly Dose
DPR09 Electret ID			Voltage Drop	Quarterly Dose Normalized
	Start Date and	Finish Date and	Voltage Drop 41	
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Electret ID SFC 074 SHC 850 SHC 647 DPR10	Start Date and Time 12/26/2014 10:00 12/26/2014 10:00 12/26/2014 10:00 North Fence Salt I Start Date and	Finish Date and Time 3/27/2015 10:48 3/27/2015 10:48 3/27/2015 10:48 Average Quarterl Pile Finish Date and	41 41 48 y Dose in mrad:	Normalized 24.3 21.6 25.6 23.8 Quarterly Dose
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Electret ID SFC 074 SHC 850 SHC 647 DPR10 Electret ID SHC 658 SHC 765 SHC 793	Start Date and Time 12/26/2014 10:00 12/26/2014 10:00 12/26/2014 10:00 North Fence Salt I Start Date and Time 12/26/2014 10:20 12/26/2014 10:20	Finish Date and Time 3/27/2015 10:48 3/27/2015 10:48 3/27/2015 10:48 Average Quarterl Pile Finish Date and Time 3/27/2015 10:52 3/27/2015 10:52 3/27/2015 10:52 Average Quarterl	41 48 y Dose in mrad: Voltage Drop 53 48 47	Normalized 24.3 21.6 25.6 23.8 Quarterly Dose Normalized 29.3 26.4 26.3
Electret ID SFC 074 SHC 850 SHC 647 DPR10 Electret ID SHC 658 SHC 765	Start Date and Time 12/26/2014 10:00 12/26/2014 10:00 12/26/2014 10:00 North Fence Salt I Start Date and Time 12/26/2014 10:20 12/26/2014 10:20 12/26/2014 10:20 12/26/2014 10:20 12/26/2014 10:20	Finish Date and Time 3/27/2015 10:48 3/27/2015 10:48 3/27/2015 10:48 Average Quarterl Pile Finish Date and Time 3/27/2015 10:52 3/27/2015 10:52 3/27/2015 10:52 Average Quarterl	41 48 y Dose in mrad: Voltage Drop 53 48 47	Normalized 24.3 21.6 25.6 23.8 Quarterly Dose Normalized 29.3 26.4 26.3 27.3
Electret ID SFC 074 SHC 850 SHC 647 DPR10 Electret ID SHC 658 SHC 765 SHC 793	Start Date and Time 12/26/2014 10:00 12/26/2014 10:00 12/26/2014 10:00 North Fence Salt I Start Date and Time 12/26/2014 10:20 12/26/2014 10:20 12/26/2014 10:20 Northwest Fence	Finish Date and Time 3/27/2015 10:48 3/27/2015 10:48 3/27/2015 10:48 Average Quarterl Pile Finish Date and Time 3/27/2015 10:52 3/27/2015 10:52 3/27/2015 10:52 3/27/2015 10:52 Average Quarterl Corner	41 48 y Dose in mrad: Voltage Drop 53 48 47	Normalized 24.3 21.6 25.6 23.8 Quarterly Dose Normalized 29.3 26.4 26.3
Electret ID SFC 074 SHC 850 SHC 647 DPR10 Electret ID SHC 658 SHC 765 SHC 793 DPR11	Start Date and Time 12/26/2014 10:00 12/26/2014 10:00 12/26/2014 10:00 North Fence Salt I Start Date and Time 12/26/2014 10:20 12/26/2014 10:20 12/26/2014 10:20 12/26/2014 10:20 12/26/2014 10:20 12/26/2014 10:20 Start Date and Start Date and	Finish Date and Time 3/27/2015 10:48 3/27/2015 10:48 3/27/2015 10:48 Average Quarterl Pile Finish Date and Time 3/27/2015 10:52 3/27/2015 10:52 3/27/2015 10:52 3/27/2015 10:52 Average Quarterl Corner Finish Date and	41 41 48 y Dose in mrad: Voltage Drop 53 48 47 y Dose in mrad:	Normalized 24.3 21.6 25.6 23.8 Quarterly Dose Normalized 29.3 26.4 26.3 27.3 Quarterly Dose
Electret ID SFC 074 SHC 850 SHC 647 DPR10 Electret ID SHC 658 SHC 765 SHC 793 DPR11 Electret ID	Start Date and Time 12/26/2014 10:00 12/26/2014 10:00 12/26/2014 10:00 North Fence Salt I Start Date and Time 12/26/2014 10:20 12/26/2014 10:20 12/26/2014 10:20 Northwest Fence Start Date and Time	Finish Date and Time 3/27/2015 10:48 3/27/2015 10:48 3/27/2015 10:48 Average Quarterl Pile Finish Date and Time 3/27/2015 10:52 3/27/2015 10:52 3/27/2015 10:52 Average Quarterl Corner Finish Date and Time	41 48 y Dose in mrad: Voltage Drop 53 48 47 y Dose in mrad: Voltage Drop	Normalized 24.3 21.6 25.6 23.8 Quarterly Dose Normalized 29.3 26.4 26.3 27.3 Quarterly Dose Normalized
Electret ID SFC 074 SHC 850 SHC 647 DPR10 Electret ID SHC 658 SHC 765 SHC 793 DPR11 Electret ID SGJ 042	Start Date and Time 12/26/2014 10:00 12/26/2014 10:00 12/26/2014 10:00 North Fence Salt I Start Date and Time 12/26/2014 10:20 12/26/2014 10:20 Northwest Fence Start Date and Time 12/26/2014 11:40	Finish Date and Time 3/27/2015 10:48 3/27/2015 10:48 3/27/2015 10:48 Average Quarterl Pile Finish Date and Time 3/27/2015 10:52 3/27/2015 10:52 Average Quarterl Corner Finish Date and Time 3/27/2015 10:53	41 41 48 y Dose in mrad: Voltage Drop 53 48 47 y Dose in mrad: Voltage Drop 43	Normalized 24.3 21.6 25.6 23.8 Quarterly Dose Normalized 29.3 26.4 26.3 27.3 Quarterly Dose Normalized 23.9
Electret ID SFC 074 SHC 850 SHC 647 DPR10 Electret ID SHC 658 SHC 765 SHC 793 DPR11 Electret ID SGJ 042 SGJ 083	Start Date and Time 12/26/2014 10:00 12/26/2014 10:00 12/26/2014 10:00 North Fence Salt I Start Date and Time 12/26/2014 10:20 12/26/2014 10:20 Northwest Fence Start Date and Time 12/26/2014 11:40	Finish Date and Time 3/27/2015 10:48 3/27/2015 10:48 3/27/2015 10:48 Average Quarterl Pile Finish Date and Time 3/27/2015 10:52 3/27/2015 10:52 Average Quarterl Corner Finish Date and Time 3/27/2015 10:53 3/27/2015 10:53	41 41 48 y Dose in mrad: Voltage Drop 53 48 47 y Dose in mrad: Voltage Drop 43 49 47	Normalized 24.3 21.6 25.6 23.8 Quarterly Dose Normalized 29.3 26.4 26.3 27.3 Quarterly Dose Normalized 29.3 26.4 26.3 27.3

DPR12	Waste Handling B	uilding Loading D	ock (West)	
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 344	12/26/2014 10:30	3/27/2015 10:55	36	20.9
SHC 722	12/26/2014 10:30	3/27/2015 10:55	43	22.8
SHC 705	12/26/2014 10:30	3/27/2015 10:55	39	20.8
		Average Quarterl	y Dose in mrad:	21.5
DPR13	Waste Handling B	uilding Loading D	ock (Center)	
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SGI 997	12/26/2014 11:15	3/27/2015 10:24	43	23.8
SGJ 041	12/26/2014 11:15	3/27/2015 10:24	45	25.2
SHC 653	12/26/2014 11:15	3/27/2015 10:24	49	26.3
		Average Quarterl	y Dose in mrad:	25.1
DPR14	Waste Handling B	uilding Loading D	ock (East)	
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 708	12/26/2014 10:40	3/27/2015 10:26	60	32.0
SHC 716	12/26/2014 10:40	3/27/2015 10:26	45	23.8
SHC 842	12/26/2014 10:40	3/27/2015 10:26	48	25.6
		Average Quarterl	y Dose in mrad:	27.1
DPR16	Loving Weigh Sta	tion		
DPR16	Loving Weigh Sta Start Date and	tion Finish Date and		Quarterly Dose
DPR16 Electret ID			Voltage Drop	Quarterly Dose Normalized
-	Start Date and	Finish Date and	Voltage Drop 53	
Electret ID	Start Date and Time	Finish Date and Time		Normalized
Electret ID SHC 675	Start Date and Time 12/26/2014 10:15	Finish Date and Time 3/27/2015 10:57	53	Normalized 27.7
Electret ID SHC 675 SHC 696	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20	Finish Date and Time 3/27/2015 10:57 3/27/2015 10:57	53 47 57	Normalized 27.7 24.5
Electret ID SHC 675 SHC 696	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20	Finish Date and Time 3/27/2015 10:57 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl	53 47 57	Normalized 27.7 24.5 30.2
Electret ID SHC 675 SHC 696 SHC 740	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20	Finish Date and Time 3/27/2015 10:57 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl	53 47 57	Normalized 27.7 24.5 30.2
Electret ID SHC 675 SHC 696 SHC 740	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer	Finish Date and <u>Time</u> 3/27/2015 10:57 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department	53 47 57	Normalized 27.7 24.5 30.2 27.5
Electret ID SHC 675 SHC 696 SHC 740 DPR17	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer Start Date and	Finish Date and <u>Time</u> 3/27/2015 10:57 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department Finish Date and	53 47 57 y Dose in mrad:	Normalized 27.7 24.5 30.2 27.5 Quarterly Dose
Electret ID SHC 675 SHC 696 SHC 740 DPR17 Electret ID	Start Date and <u>Time</u> 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer Start Date and <u>Time</u>	Finish Date and <u>Time</u> 3/27/2015 10:57 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department Finish Date and <u>Time</u>	53 47 57 y Dose in mrad: Voltage Drop	Normalized 27.7 24.5 30.2 27.5 Quarterly Dose Normalized
Electret ID SHC 675 SHC 696 SHC 740 DPR17 Electret ID SFK 380	Start Date and <u>Time</u> 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer Start Date and <u>Time</u> 12/26/2014 11:10	Finish Date and <u>Time</u> 3/27/2015 10:57 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department Finish Date and <u>Time</u> 3/27/2015 11:00	53 47 57 y Dose in mrad: Voltage Drop 195	Normalized 27.7 24.5 30.2 27.5 Quarterly Dose Normalized 111.0**
Electret ID SHC 675 SHC 696 SHC 740 DPR17 Electret ID SFK 380 SFK 524	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer Start Date and Time 12/26/2014 11:10 12/26/2014 11:10	Finish Date and Time 3/27/2015 10:57 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department Finish Date and Time 3/27/2015 11:00 3/27/2015 11:00	53 47 57 y Dose in mrad: Voltage Drop 195 52 49	Normalized 27.7 24.5 30.2 27.5 Quarterly Dose Normalized 111.0** 28.6
Electret ID SHC 675 SHC 696 SHC 740 DPR17 Electret ID SFK 380 SFK 524	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer Start Date and Time 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10	Finish Date and <u>Time</u> 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department Finish Date and <u>Time</u> 3/27/2015 11:00 3/27/2015 11:00 3/27/2015 11:00 Average Quarterl	53 47 57 y Dose in mrad: Voltage Drop 195 52 49	Normalized 27.7 24.5 30.2 27.5 Quarterly Dose Normalized 111.0** 28.6 27.4
Electret ID SHC 675 SHC 696 SHC 740 DPR17 Electret ID SFK 380 SFK 524 SFK 543	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer Start Date and Time 12/26/2014 11:10 12/26/2014 11:10	Finish Date and <u>Time</u> 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department Finish Date and <u>Time</u> 3/27/2015 11:00 3/27/2015 11:00 3/27/2015 11:00 Average Quarterl	53 47 57 y Dose in mrad: Voltage Drop 195 52 49	Normalized 27.7 24.5 30.2 27.5 Quarterly Dose Normalized 111.0** 28.6 27.4 55.7
Electret ID SHC 675 SHC 696 SHC 740 DPR17 Electret ID SFK 380 SFK 524 SFK 543	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer Start Date and Time 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 Hobbs Hwy / Nort	Finish Date and Time 3/27/2015 10:57 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department Finish Date and Time 3/27/2015 11:00 3/27/2015 11:00 3/27/2015 11:00 Average Quarterl h Access Rd	53 47 57 y Dose in mrad: Voltage Drop 195 52 49	Normalized 27.7 24.5 30.2 27.5 Quarterly Dose Normalized 111.0** 28.6 27.4
Electret ID SHC 675 SHC 696 SHC 740 DPR17 Electret ID SFK 380 SFK 524 SFK 543 DPR18	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer Start Date and Time 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10	Finish Date and <u>Time</u> 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department Finish Date and <u>Time</u> 3/27/2015 11:00 3/27/2015 11:00 3/27/2015 11:00 Average Quarterl h Access Rd Finish Date and	53 47 57 y Dose in mrad : <u>Voltage Drop</u> 195 52 49 y Dose in mrad :	Normalized 27.7 24.5 30.2 27.5 Quarterly Dose Normalized 111.0** 28.6 27.4 55.7 Quarterly Dose
Electret ID SHC 675 SHC 696 SHC 740 DPR17 Electret ID SFK 380 SFK 524 SFK 543 DPR18 Electret ID	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer Start Date and Time 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10	Finish Date and Time 3/27/2015 10:57 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department Finish Date and Time 3/27/2015 11:00 3/27/2015 11:00 3/27/2015 11:00 Average Quarterl h Access Rd Finish Date and Time	53 47 57 y Dose in mrad: Voltage Drop 195 52 49 y Dose in mrad: Voltage Drop	Normalized 27.7 24.5 30.2 27.5 Quarterly Dose Normalized 111.0** 28.6 27.4 55.7 Quarterly Dose Normalized
Electret ID SHC 675 SHC 696 SHC 740 DPR17 Electret ID SFK 380 SFK 524 SFK 543 DPR18 Electret ID SFK 581	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer Start Date and Time 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:50	Finish Date and Time 3/27/2015 10:57 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department Finish Date and Time 3/27/2015 11:00 3/27/2015 11:00 3/27/2015 11:00 Average Quarterl h Access Rd Finish Date and Time 3/27/2015 10:30	53 47 57 y Dose in mrad : Voltage Drop 195 52 49 y Dose in mrad : Voltage Drop 45	Normalized 27.7 24.5 30.2 27.5 Quarterly Dose Normalized 111.0** 28.6 27.4 55.7 Quarterly Dose Normalized
Electret ID SHC 675 SHC 696 SHC 740 DPR17 Electret ID SFK 380 SFK 524 SFK 543 DPR18 Electret ID SFK 581 SGJ 001	Start Date and Time 12/26/2014 10:15 12/26/2014 10:20 12/26/2014 10:20 Malaga Volunteer Start Date and Time 12/26/2014 11:10 12/26/2014 11:10 12/26/2014 11:10 Start Date and Time 12/26/2014 10:50 12/26/2014 10:50	Finish Date and Time 3/27/2015 10:57 3/27/2015 10:57 3/27/2015 10:57 Average Quarterl Fire Department Finish Date and Time 3/27/2015 11:00 3/27/2015 11:00 Average Quarterl h Access Rd Finish Date and Time 3/27/2015 10:30 3/27/2015 10:30	53 47 57 y Dose in mrad: <u>Voltage Drop</u> 195 52 49 y Dose in mrad: <u>Voltage Drop</u> 45 49 53	Normalized 27.7 24.5 30.2 27.5 Quarterly Dose Normalized 111.0** 28.6 27.4 55.7 Quarterly Dose Normalized 26.5 27.0

DPR19	Southeast Control			
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 410	12/26/2014 11:05	3/27/2015 10:18	40	23.6
SFK 443	12/26/2014 11:05	3/27/2015 10:18	43	25.4
SFK 562	12/26/2014 11:05	3/27/2015 10:18	39	22.3
		Average Quarterl	y Dose in mrad:	23.8
DPR20	NMED Guadalupe	St Office Interior		
DFNZU	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 656	12/29/2014 13:37	3/27/2015 10:08	90	55.0*
SHC 691	12/29/2014 13:37	3/27/2015 10:08	95	56.6**
SHC 812	12/29/2014 13:37	3/27/2015 10:08	90	54.3*
0110 012	12/23/2014 10:07	Average Quarteri		55.3
		Average Quarteri	y Dose in finad.	00.0
DPR21	NMED Guadalupe		r	
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 774	12/29/2014 13:39	3/27/2015 10:15	49	27.3
SHC 785	12/29/2014 13:39	3/27/2015 10:15	52	29.1
SHC 709	12/29/2014 13:39	3/27/2015 10:15	43	23.8
		Average Quarterl	y Dose in mrad:	26.8
CY2015 Sec	ond Quarter:			
DPR01	Parking Lot Entran	се		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 650	3/25/2015 12:52	7/1/2015 12:39	51	27.4
SHC 659	3/25/2015 12:52	7/1/2015 12:40	51	27.3
SHC 726	3/25/2015 12:52	7/1/2015 12:39	49	26.4
		Average Quarterl	y Dose in mrad:	27.0
DPR02	Railroad Track Ent	ranco		
DI KUZ	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 754	3/25/2015 12:44	7/1/2015 12:44	49	26.5
SHC 835	3/25/2015 12:44	7/1/2015 12:44	47	25.1
SHC 856	3/25/2015 12:44	7/1/2015 12:44	47	25.1
010 000	0/20/2010 12.44			25.6
		Average Quarterl	y Dose in inrad:	23.0
DPR03	Southwest Fence C			
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 330	3/25/2015 12:56	7/1/2015 12:55	46	26.0
SFK 351	3/25/2015 12:56	7/1/2015 12:54	-	too low
SFK 458	3/25/2015 12:56	7/1/2015 12:53	48	28.1
		Average Quarterl	y Dose in mrad:	27.1

DPR04	South Fence Cent	-		
Electret ID	Start Date and Time	Finish Date and Time	Voltage Drop	Quarterly Dose Normalized
SGI 976	3/25/2015 13:14	7/1/2015 12:48	48	26.6
SHC 768	3/25/2015 13:14	7/1/2015 12:50	53	28.8
SHC 771	3/25/2015 13:14	7/1/2015 12:50	62	33.0
		Average Quarterl	y Dose in mrad:	29.5
DPR05	Near Southeast F	ence Corner		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SGJ 044	3/25/2015 13:06	7/1/2015 12:41	45	24.6
SGJ 109	3/25/2015 13:06	7/1/2015 12:42	42	23.1
SHC 688	3/25/2015 13:06	7/1/2015 12:41	50	27.1
		Average Quarterl		24.9
DPR06	Far Southeast Fei	ice Corner		
DI IXUU	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 478	3/25/2015 13:04	7/1/2015 12:32	42	24.0
SFK 512	3/25/2015 13:04	7/1/2015 12:32	40	22.9
SHC 761	3/25/2015 13:04	7/1/2015 12:32	56	29.7
	0,20,2010 10.01	Average Quarterl		25.5
DPR07	East Fence Mid			
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 481	3/25/2015 12:55	7/1/2015 12:17	44	25.4
SFK 500	3/25/2015 12:55	7/1/2015 12:17	44	25.2
SFK 533	3/25/2015 12:55	7/1/2015 12:17	43	24.7
0110 000	5/25/2015 12.55	Average Quarterl		24.7 25.1
DPR08	Northeast Fence (•	-	
DFRUO				Quarterly Dose
	Start Data and	Finich Data and		
Electret ID	Start Date and Time	Finish Date and Time	Voltage Drop	
Electret ID	Time	Time	Voltage Drop	Normalized
SFC 049	Time 3/25/2015 12:58	Time 7/1/2015 12:26	48	Normalized 28.1
SFC 049 SHC 703	Time 3/25/2015 12:58 3/25/2015 12:58	Time 7/1/2015 12:26 7/1/2015 12:28	48 133	Normalized 28.1 70.6**
SFC 049	Time 3/25/2015 12:58	Time 7/1/2015 12:26 7/1/2015 12:28 7/1/2015 12:29	48 133 68	Normalized 28.1 70.6** 35.9
SFC 049 SHC 703	Time 3/25/2015 12:58 3/25/2015 12:58	Time 7/1/2015 12:26 7/1/2015 12:28	48 133 68	Normalized 28.1 70.6**
SFC 049 SHC 703	Time 3/25/2015 12:58 3/25/2015 12:58 3/25/2015 12:58	Time 7/1/2015 12:26 7/1/2015 12:28 7/1/2015 12:29 Average Quarterl	48 133 68 y Dose in mrad:	Normalized 28.1 70.6** 35.9 44.9
SFC 049 SHC 703 SHC 686 DPR09	Time 3/25/2015 12:58 3/25/2015 12:58 3/25/2015 12:58 North-Northeast F Start Date and	Time 7/1/2015 12:26 7/1/2015 12:28 7/1/2015 12:29 Average Quarterl Fence - Water in Ca Finish Date and	48 133 68 y Dose in mrad: anister	Normalized 28.1 70.6** 35.9 44.9 Quarterly Dose
SFC 049 SHC 703 SHC 686 DPR09 Electret ID	Time 3/25/2015 12:58 3/25/2015 12:58 3/25/2015 12:58 North-Northeast F Start Date and Time	Time 7/1/2015 12:26 7/1/2015 12:28 7/1/2015 12:29 Average Quarterl Fence - Water in Ca Finish Date and Time	48 133 68 y Dose in mrad: anister Voltage Drop	Normalized 28.1 70.6** 35.9 44.9 Quarterly Dose Normalized
SFC 049 SHC 703 SHC 686 DPR09 Electret ID SGJ 046	Time 3/25/2015 12:58 3/25/2015 12:58 3/25/2015 12:58 North-Northeast F Start Date and Time 3/25/2015 12:50	Time 7/1/2015 12:26 7/1/2015 12:28 7/1/2015 12:29 Average Quarterl Fence - Water in Ca Finish Date and Time 7/1/2015 12:25	48 133 68 y Dose in mrad: anister Voltage Drop 62	Normalized 28.1 70.6** 35.9 44.9 Quarterly Dose Normalized 34.2
SFC 049 SHC 703 SHC 686 DPR09 Electret ID SGJ 046 SGJ 055	Time 3/25/2015 12:58 3/25/2015 12:58 3/25/2015 12:58 North-Northeast F Start Date and Time 3/25/2015 12:50 3/25/2015 12:50 3/25/2015 12:50	Time 7/1/2015 12:26 7/1/2015 12:28 7/1/2015 12:29 Average Quarterl Fence - Water in Ca Finish Date and Time 7/1/2015 12:25 7/1/2015 12:12	48 133 68 y Dose in mrad: anister Voltage Drop 62 212	Normalized 28.1 70.6** 35.9 44.9 Quarterly Dose Normalized 34.2 119.5
SFC 049 SHC 703 SHC 686 DPR09 Electret ID SGJ 046	Time 3/25/2015 12:58 3/25/2015 12:58 3/25/2015 12:58 North-Northeast F Start Date and Time 3/25/2015 12:50	Time 7/1/2015 12:26 7/1/2015 12:28 7/1/2015 12:29 Average Quarterl Fence - Water in Ca Finish Date and Time 7/1/2015 12:25	48 133 68 y Dose in mrad: anister Voltage Drop 62 212 100	Normalized 28.1 70.6** 35.9 44.9 Quarterly Dose Normalized 34.2

DPR10	North Fence Salt			
Electret ID	Start Date and Time	Finish Date and Time	Voltage Drop	Quarterly Dose Normalized
SGI 957	3/25/2015 13:08	7/1/2015 12:15	38	20.8
SHC 689	3/25/2015 13:08	7/1/2015 12:16	53	28.5
SHC 778	3/25/2015 13:08	7/1/2015 12:16	51	27.5
		Average Quarterl	y Dose in mrad:	25.6
DPR11	Northwest Fence	Corner		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 666	3/25/2015 13:01	7/1/2015 11:45	58	32.1
SHC 678	3/25/2015 13:01	7/1/2015 11:45	47	25.6
SHC 780	3/25/2015 13:01	7/1/2015 11:46	56	30.8
		Average Quarter	y Dose in mrad:	29.5
DPR12	Waste Handling B	uilding Loading D	ock (West)	
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 644	3/25/2015 13:11	7/1/2015 11:58	47	25.1
SHC 743	3/25/2015 13:11	7/1/2015 11:58	46	24.7
SHC 777	3/25/2015 13:11	7/1/2015 11:59	57	30.7
		Average Quarterl	y Dose in mrad:	26.8
DPR13	Waste Handling B	uilding Loading D	ock (Center)	
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 672	3/25/2015 12:47	7/1/2015 12:01	47	25.2
SHC 799	3/25/2015 12:47	7/1/2015 12:01	44	23.5
SHC 799 SHC 863	3/25/2015 12:47 3/25/2015 12:47	7/1/2015 12:01 7/1/2015 12:02	44 46	23.5 24.6
			46	
	3/25/2015 12:47 Waste Handling B	7/1/2015 12:02 Average Quarterl Suilding Loading D	46 y Dose in mrad:	24.6 24.4
SHC 863 DPR14	3/25/2015 12:47 Waste Handling E Start Date and	7/1/2015 12:02 Average Quarterl Suilding Loading D Finish Date and	46 ly Dose in mrad: ock (East)	24.6 24.4 Quarterly Dose
SHC 863 DPR14 Electret ID	3/25/2015 12:47 Waste Handling E Start Date and Time	7/1/2015 12:02 Average Quarterl Suilding Loading D Finish Date and Time	46 ly Dose in mrad: ock (East) Voltage Drop	24.6 24.4 Quarterly Dose Normalized
SHC 863 DPR14 Electret ID SHC 645	3/25/2015 12:47 Waste Handling E Start Date and <u>Time</u> 3/25/2015 12:54	7/1/2015 12:02 Average Quarterl Building Loading D Finish Date and Time 7/1/2015 12:03	46 ly Dose in mrad: ock (East) Voltage Drop 47	24.6 24.4 Quarterly Dose Normalized 25.0
SHC 863 DPR14 Electret ID SHC 645 SHC 715	3/25/2015 12:47 Waste Handling E Start Date and <u>Time</u> 3/25/2015 12:54 3/25/2015 12:54	7/1/2015 12:02 Average Quarterl Building Loading D Finish Date and Time 7/1/2015 12:03 7/1/2015 12:03	46 y Dose in mrad: ock (East) <u>Voltage Drop</u> 47 69	24.6 24.4 Quarterly Dose Normalized 25.0 36.9
SHC 863 DPR14 Electret ID SHC 645	3/25/2015 12:47 Waste Handling E Start Date and <u>Time</u> 3/25/2015 12:54	7/1/2015 12:02 Average Quarterl Building Loading D Finish Date and Time 7/1/2015 12:03	46 ly Dose in mrad: ock (East) Voltage Drop 47	24.6 24.4 Quarterly Dose <u>Normalized</u> 25.0 36.9 24.0
SHC 863 DPR14 Electret ID SHC 645 SHC 715	3/25/2015 12:47 Waste Handling E Start Date and <u>Time</u> 3/25/2015 12:54 3/25/2015 12:54	7/1/2015 12:02 Average Quarterl Building Loading D Finish Date and Time 7/1/2015 12:03 7/1/2015 12:03	46 by Dose in mrad: ock (East) Voltage Drop 47 69 45	24.6 24.4 Quarterly Dose Normalized 25.0 36.9
SHC 863 DPR14 Electret ID SHC 645 SHC 715	3/25/2015 12:47 Waste Handling E Start Date and Time 3/25/2015 12:54 3/25/2015 12:54 3/25/2015 12:54 3/25/2015 12:54 Loving Weigh Sta	7/1/2015 12:02 Average Quarterl Building Loading D Finish Date and Time 7/1/2015 12:03 7/1/2015 12:03 7/1/2015 12:04 Average Quarterl tion	46 by Dose in mrad: ock (East) Voltage Drop 47 69 45	24.6 24.4 Quarterly Dose Normalized 25.0 36.9 24.0 28.6
SHC 863 DPR14 Electret ID SHC 645 SHC 715 SHC 849 DPR16	3/25/2015 12:47 Waste Handling E Start Date and Time 3/25/2015 12:54 3/25/2015 12:54 3/25/2015 12:54 3/25/2015 12:54 Loving Weigh Start Start Date and	7/1/2015 12:02 Average Quarterl Suilding Loading D Finish Date and Time 7/1/2015 12:03 7/1/2015 12:03 7/1/2015 12:04 Average Quarterl tion Finish Date and	46 y Dose in mrad: ock (East) Voltage Drop 47 69 45 y Dose in mrad:	24.6 24.4 Quarterly Dose Normalized 25.0 36.9 24.0 28.6 Quarterly Dose
SHC 863 DPR14 Electret ID SHC 645 SHC 715 SHC 849 DPR16 Electret ID	3/25/2015 12:47 Waste Handling B Start Date and Time 3/25/2015 12:54 3/25/2015 12:54 3/25/2015 12:54 Loving Weigh Start Start Date and Time	7/1/2015 12:02 Average Quarterl Building Loading D Finish Date and Time 7/1/2015 12:03 7/1/2015 12:03 7/1/2015 12:04 Average Quarterl tion Finish Date and Time	46 y Dose in mrad: ock (East) Voltage Drop 47 69 45 y Dose in mrad: Voltage Drop	24.6 24.4 Quarterly Dose Normalized 25.0 36.9 24.0 28.6 Quarterly Dose Normalized
SHC 863 DPR14 Electret ID SHC 645 SHC 715 SHC 849 DPR16 Electret ID SFK 526	3/25/2015 12:47 Waste Handling E Start Date and Time 3/25/2015 12:54 3/25/2015 12:54 3/25/2015 12:54 Loving Weigh Start Start Date and Time 3/25/2015 13:12	7/1/2015 12:02 Average Quarterl Finish Date and Time 7/1/2015 12:03 7/1/2015 12:03 7/1/2015 12:04 Average Quarterl tion Finish Date and Time 7/1/2015 12:05	46 y Dose in mrad: ock (East) Voltage Drop 47 69 45 y Dose in mrad: Voltage Drop 52	24.6 24.4 Quarterly Dose Normalized 25.0 36.9 24.0 28.6 Quarterly Dose Normalized 29.9
SHC 863 DPR14 Electret ID SHC 645 SHC 715 SHC 849 DPR16 Electret ID SFK 526 SFK 539	3/25/2015 12:47 Waste Handling E Start Date and Time 3/25/2015 12:54 3/25/2015 12:54 3/25/2015 12:54 Loving Weigh Start Start Date and Time 3/25/2015 13:12 3/25/2015 13:12	7/1/2015 12:02 Average Quarterl Suilding Loading D Finish Date and Time 7/1/2015 12:03 7/1/2015 12:03 7/1/2015 12:04 Average Quarterl tion Finish Date and Time 7/1/2015 12:05 7/1/2015 12:07	46 y Dose in mrad: ock (East) Voltage Drop 47 69 45 y Dose in mrad: Voltage Drop 52 51	24.6 24.4 Quarterly Dose Normalized 25.0 36.9 24.0 28.6 Quarterly Dose Normalized 29.9 29.7
SHC 863 DPR14 Electret ID SHC 645 SHC 715 SHC 849 DPR16 Electret ID SFK 526	3/25/2015 12:47 Waste Handling E Start Date and Time 3/25/2015 12:54 3/25/2015 12:54 3/25/2015 12:54 Loving Weigh Start Start Date and Time 3/25/2015 13:12	7/1/2015 12:02 Average Quarterl Finish Date and Time 7/1/2015 12:03 7/1/2015 12:03 7/1/2015 12:04 Average Quarterl tion Finish Date and Time 7/1/2015 12:05	46 y Dose in mrad: ock (East) Voltage Drop 47 69 45 y Dose in mrad: Voltage Drop 52 51 73	24.6 24.4 Quarterly Dose Normalized 25.0 36.9 24.0 28.6 Quarterly Dose Normalized 29.9

	Malawa Maluwata aw		Caniatan	
DPR17	found smashed	Fire Department -	Canister	
DFRI	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 519	3/25/2015 12:40	7/1/2015 11:51	46	25.6
SFK 525	3/25/2015 12:40	7/1/2015 11:52	50	27.7
SFK 559	3/25/2015 12:40	7/1/2015 11:52	49	28.0
		Average Quarter	ly Dose in mrad:	27.1
DPR18	Hobbs Hwy / Nort	h Access Rd		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 354	3/25/2015 12:37	7/1/2015 11:54	42	24.5
SFK 406	3/25/2015 12:37	7/1/2015 11:54	42	24.2
SFK 502	3/25/2015 12:37	7/1/2015 11:55	45	25.9
		Average Quarter	ly Dose in mrad:	24.9
DPR19	Southeast Contro			
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SGI 958	3/25/2015 12:42	7/1/2015 11:49	48	26.7
SGJ 103	3/25/2015 12:42	7/1/2015 11:50	45	24.7
SGJ 104	3/25/2015 12:42	7/1/2015 11:50	52	28.6
		Average Quarter	lv Dose in mrad:	26.7
			.,	
DPR20	-	e St. Office Interior	r	
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 656	3/25/2015 10:08	7/1/2015 12:35	4	2.1*
SHC 691	3/25/2015 10:08	7/1/2015 12:35	61	33.3
SHC 812	3/25/2015 10:08	7/1/2015 12:35	108	60.4**
		Average Quarter	ly Dose in mrad:	32.0
DPR21	NMED Guadalum	e St. Office Exterio	or	
	-	Finish Date and	-	Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 774	3/25/2015 10:15	7/2/2015 9:06	52	27.6
SHC 785	3/25/2015 10:15	7/2/2015 9:06	55	29.4
SHC 709	3/25/2015 10:15	7/2/2015 9:06	42	22.1
		Average Quarter		26.4
		J	-	
CY2015 Thii	rd Quarter:			
DPR01	Parking Lot Entra	nce		
	Start Date and	Finish Date and		Quarterly D
Electret ID	Time	Time	Voltage Di	
SGJ 022	6/29/2015 10:31	9/30/2015 12:04	40	24.6
SGJ 058	6/29/2015 10:34	9/30/2015 12:04	41	24.4
SHC 841	6/29/2015 10:33	9/30/2015 12:04	53	30.7

Average Quarterly Dose in mrad:

26.6

DPR02	Railroad Track Er			
Electret ID	Start Date and Time	Finish Date and Time	Voltage Drop	Quarterly Dose Normalized
SFK 428	6/29/2015 10:40	9/30/2015 12:20	41	25.6
SFK 438	6/29/2015 10:38	9/30/2015 12:20	43	26.2
SHV 170	6/29/2015 10:39	9/30/2015 12:20	54	30.1
			Quarterly Dose in mrad:	27.3
DPR03	Southwest Fence	Corner		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 736	6/29/2015 10:43	9/30/2015 12:18	49	28.5
SHC 673	6/29/2015 10:44	9/30/2015 12:18	61	35.2
SHC 676	6/29/2015 10:42	9/30/2015 12:18	55	31.7
		Average C	Quarterly Dose in mrad:	31.8
DPR04	South Fence Cen	ter		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 685	6/29/2015 10:48	9/30/2015 12:13	50	28.8
SHC 704	6/29/2015 10:47	9/30/2015 12:13	50	28.6
SHV 216	6/29/2015 10:49	9/30/2015 12:13	59	33.0
		Average G	Quarterly Dose in mrad:	30.1
DDDAG				
DPR05	Near Southeast F			Overtarly Dees
Electret ID	Start Date and Time	Finish Date and Time	Voltage Drop	Quarterly Dose Normalized
SGI 991	6/29/2015 10:53	9/30/2015 12:08	34	20.0
	6/29/2015 10:52		49	20.0
SHC 816		9/30/2015 12:08		
SHC 657	6/29/2015 10:51	9/30/2015 12:08	43	24.0
		Average G	Quarterly Dose in mrad:	23.8
DPR06	Far Southeast Fe	nce Corner - Caniste	r found smashed	
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 478				
011(470	3/25/2015 13:04	7/1/2015 12:32	42	24.0
SFK 512	3/25/2015 13:04 3/25/2015 13:04	7/1/2015 12:32 7/1/2015 12:32	42 40	24.0 22.9
SFK 512	3/25/2015 13:04	7/1/2015 12:32 7/1/2015 12:32	40	22.9
SFK 512 SHC 761	3/25/2015 13:04 3/25/2015 13:04	7/1/2015 12:32 7/1/2015 12:32	40 56	22.9 29.7
SFK 512	3/25/2015 13:04 3/25/2015 13:04 East Fence Mid	7/1/2015 12:32 7/1/2015 12:32 Average C	40 56	22.9 29.7 25.5
SFK 512 SHC 761 DPR07	3/25/2015 13:04 3/25/2015 13:04 East Fence Mid Start Date and	7/1/2015 12:32 7/1/2015 12:32 Average C Finish Date and	40 56 Quarterly Dose in mrad:	22.9 29.7 25.5 Quarterly Dose
SFK 512 SHC 761 DPR07 Electret ID	3/25/2015 13:04 3/25/2015 13:04 East Fence Mid Start Date and Time	7/1/2015 12:32 7/1/2015 12:32 Average C Finish Date and Time	40 56 Quarterly Dose in mrad: Voltage Drop	22.9 29.7 25.5 Quarterly Dose Normalized
SFK 512 SHC 761 DPR07 Electret ID SGJ 037	3/25/2015 13:04 3/25/2015 13:04 East Fence Mid Start Date and Time 6/29/2015 11:01	7/1/2015 12:32 7/1/2015 12:32 Average C Finish Date and <u>Time</u> 9/30/2015 13:01	40 56 Quarterly Dose in mrad: Voltage Drop 37	22.9 29.7 25.5 Quarterly Dose Normalized 21.1
SFK 512 SHC 761 DPR07 Electret ID SGJ 037 SHC 674	3/25/2015 13:04 3/25/2015 13:04 East Fence Mid Start Date and Time 6/29/2015 11:01 6/29/2015 11:02	7/1/2015 12:32 7/1/2015 12:32 Average C Finish Date and <u>Time</u> 9/30/2015 13:01 9/30/2015 13:01	40 56 Quarterly Dose in mrad: Voltage Drop 37 46	22.9 29.7 25.5 Quarterly Dose Normalized 21.1 26.4
SFK 512 SHC 761 DPR07 Electret ID SGJ 037	3/25/2015 13:04 3/25/2015 13:04 East Fence Mid Start Date and Time 6/29/2015 11:01	7/1/2015 12:32 7/1/2015 12:32 Average C Finish Date and <u>Time</u> 9/30/2015 13:01 9/30/2015 13:01 9/30/2015 13:01	40 56 Quarterly Dose in mrad: Voltage Drop 37	22.9 29.7 25.5 Quarterly Dose Normalized 21.1

DPR08	Northeast Fence	Corner		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 431	6/29/2015 11:05	9/30/2015 11:57	38	23.7
SFK 510	6/29/2015 11:06	9/30/2015 11:57	39	23.9
SFK 533	6/29/2015 11:04	9/30/2015 11:57	38	22.8
		Average C	Quarterly Dose in mrad:	23.5
DPR09	North-Northeast F	ence		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 647	6/29/2015 11:07	9/30/2015 12:00	47	26.6
SHC 850	6/29/2015 11:08	9/30/2015 12:00	38	21.2
SHV 205	6/29/2015 11:09	9/30/2015 12:00	201	116.7**
		Average C	Quarterly Dose in mrad:	54.8
DPR10	North Fence Salt	Pile		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 658	6/29/2015 11:11	9/30/2015 11:55	52	30.6
SHC 765	6/29/2015 11:12	9/30/2015 11:55	49	28.7
SHC 793	6/29/2015 11:13	9/30/2015 11:55	51	30.5
		Average C	Quarterly Dose in mrad:	29.9
DPR11	Northwest Fence	Corner		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SGJ 083	6/29/2015 11:17	9/30/2015 12:58	43	25.2
SGJ 042	6/29/2015 11:15	9/30/2015 12:58	39	23.0
SGJ 986	6/29/2015 11:16	9/30/2015 12:58	40	23.5
		Average G	Quarterly Dose in mrad:	23.9
DPR12	Waste Handling E	Building Loading Doc	k (West)	
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 344	6/29/2015 11:20	9/30/2015 12:02	42	26.2
SHC 722	6/29/2015 11:19	9/30/2015 12:02	53	30.0
SHC 705	6/29/2015 11:20	9/30/2015 12:02	61	34.7
		Average C	Quarterly Dose in mrad:	30.3
DPR13				
DIKIS	Waste Handling E	Building Loading Doc	k (Center)	
DIRIO	Waste Handling E Start Date and	Building Loading Doc Finish Date and		Quarterly Dose
Electret ID		u	k (Center) Voltage Drop	Quarterly Dose Normalized
	Start Date and	Finish Date and	Voltage Drop 57	Normalized 32.5
Electret ID SHC 653 SGI 997	Start Date and Time 6/29/2015 11:23 6/29/2015 11:22	Finish Date and Time 9/30/2015 12:16 9/30/2015 12:16	Voltage Drop 57 36	Normalized 32.5 21.0
Electret ID SHC 653	Start Date and Time 6/29/2015 11:23	Finish Date and Time 9/30/2015 12:16	Voltage Drop 57	Normalized 32.5
Electret ID SHC 653 SGI 997	Start Date and Time 6/29/2015 11:23 6/29/2015 11:22	Finish Date and Time 9/30/2015 12:16 9/30/2015 12:16 9/30/2015 12:16	Voltage Drop 57 36	Normalized 32.5 21.0

DPR14	•	uilding Loading Doc	:k (East)		
	Start Date and	Finish Date and	Valtara Dran	Quarterly Dose	
Electret ID SHC 842	Time 6/29/2015 11:26	Time 9/30/2015 12:06	Voltage Drop 61	Normalized 34.6	
	6/29/2015 11:26		60		
SHC 716 SHC 708	6/29/2015 11:25	9/30/2015 12:06	54	33.9 30.6	
SHC / U0	0/29/2015 11.20	9/30/2015 12:06	-		
		Average G	Quarterly Dose in mrad:	33.0	
DPR16	Loving Weigh Stat				
	Start Date and	Finish Date and		Quarterly Dose	
Electret ID	Time	Time	Voltage Drop	Normalized	
SHC 675	6/29/2015 11:29	9/30/2015 12:10	58	32.3	
SHC 696	6/29/2015 11:28	9/30/2015 12:10	52	28.8	
SHC 740	6/29/2015 11:28	9/30/2015 12:10	62	35.1	
		Average G	Quarterly Dose in mrad:	32.1	
DPR17	Malaga Volunteer	-			
	Start Date and	Finish Date and		Quarterly Dose	
Electret ID	Time	Time	Voltage Drop	Normalized	
	C/00/004E 11:01	0/20/2045 44.49	voltage outside		
SFK 380	6/29/2015 11:31	9/30/2015 11:48	parameters	07.5	
SFK 543	6/29/2015 11:32	9/30/2015 11:48	46	27.5	
SFK 524	6/29/2015 11:31	9/30/2015 11:48	48	28.1	
		Average C	Quarterly Dose in mrad:	27.8	
DPR18	-	Access Rd - Canis	ter lost		
	Start Date and	Finish Date and	Maltana Duan	Quarterly Dose	
Electret ID	Time	Time	Voltage Drop	Normalized	
SGJ 001	6/29/2015 11:35	Canister missing			
SHC 767	6/29/2015 11:34	Canister missing			
SHV 168	6/29/2015 11:35	Canister missing			
	Average Quarterly Dose in mrad: NA				
DPR19	Southeast Control				
	Start Date and	Finish Date and		Quarterly Dose	
Electret ID	Time	Time	Voltage Drop	Normalized	
SFK 562	6/29/2015 11:38	9/30/2015 11:45	37	22.5	
SHD 971	6/29/2015 11:41	9/30/2015 11:45	56	31.6	
SHV 195	6/29/2015 11:37	9/30/2015 11:45	53	29.8	
		Average C	Quarterly Dose in mrad:	27.9	
DPR20	NMED Guadalupe				
	Start Date and	Finish Date and		Quarterly Dose	
Electret ID	Time	Time	Voltage Drop	Normalized	
SHC 656	7/2/2015 9:06	9/30/2015 11:35	47	28.7	
SHC 691	7/2/2015 9:06	9/30/2015 11:35	52	31.3	
SHC 812	7/2/2015 9:06	9/30/2015 11:35	45	28.0	
				29.3	

DPR21	NMED Guadalup	St Office Exterio	-	
DPR21	Start Date and	e St. Office Exterio Finish Date and	ſ	Quarterly Do
Electret ID	Time	Time	Voltage Dro	
SHC 774	7/2/2015 9:06	9/30/2015 11:30	49	29.3
SHC 785	7/2/2015 9:06	9/30/2015 11:30	54	32.5
SHC 709	7/2/2015 9:06	9/30/2015 11:30	41	24.2
			e Quarterly Dose i	
CY2015 For	urth Quarter:			
DPR01	Parking Lot Entra	nco		
BIROT	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 650	9/28/2015 13:30	1/6/2016 16:33	51	26.2
SHC 659	9/28/2015 13:30	1/6/2016 16:33	52	26.5
SHC 726	9/28/2015 13:30	1/6/2016 16:33	59	30.4
0110 720	0/20/2010 10:00	Average Quarterl		27.7
DPR02	Railroad Track Er	tranco		
DFIXUZ	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 754	9/28/2015 13:56	1/6/2016 16:36	55	28.5
SHC 835	9/28/2015 13:56	1/6/2016 16:36	56	28.5
SHC 856	9/28/2015 13:56	1/6/2016 16:36	47	24.3
5110 050	9/20/2013 13:30	Average Quarteri		24.3 27.1
	Osuthurset Famos	-	,	
DPR03	Southwest Fence			
	Start Date and	Finish Date and	Valtage Drep	Quarterly Dose
Electret ID	Time	Time 1/6/2016 16:20	Voltage Drop 47	Normalized
SFK 330	9/28/2015 13:43			
	0/00/0045 40.40			25.6
SHD 960	9/28/2015 13:43	1/6/2016 16:20	61	30.3
SHD 960 SHD 185	9/28/2015 13:43 9/28/2015 13:43	1/6/2016 16:20 1/6/2016 16:20	61 64	30.3 31.7
		1/6/2016 16:20	61 64	30.3
	9/28/2015 13:43 South Fence Cen	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl	61 64	30.3 31.7 29.2
SHD 185	9/28/2015 13:43 South Fence Cent Start Date and	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and	61 64 y Dose in mrad:	30.3 31.7 29.2 Quarterly Dose
SHD 185 DPR04 Electret ID	9/28/2015 13:43 South Fence Cent Start Date and Time	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and Time	61 64 y Dose in mrad: Voltage Drop	30.3 31.7 29.2 Quarterly Dose Normalized
SHD 185 DPR04 Electret ID SGI 976	9/28/2015 13:43 South Fence Cent Start Date and Time 9/28/2015 13:46	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and <u>Time</u> 1/6/2016 14:50	61 64 y Dose in mrad: Voltage Drop 43	30.3 31.7 29.2 Quarterly Dose Normalized 22.8
SHD 185 DPR04 Electret ID SGI 976 SHC 768	9/28/2015 13:43 South Fence Cent Start Date and <u>Time</u> 9/28/2015 13:46 9/28/2015 13:46	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and Time 1/6/2016 14:50 1/6/2016 14:50	61 64 y Dose in mrad: <u>Voltage Drop</u> 43 53	30.3 31.7 29.2 Quarterly Dose Normalized
SHD 185 DPR04 Electret ID SGI 976	9/28/2015 13:43 South Fence Cent Start Date and Time 9/28/2015 13:46	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and <u>Time</u> 1/6/2016 14:50	61 64 y Dose in mrad: Voltage Drop 43	30.3 31.7 29.2 Quarterly Dose Normalized 22.8
SHD 185 DPR04 Electret ID SGI 976 SHC 768	9/28/2015 13:43 South Fence Cent Start Date and <u>Time</u> 9/28/2015 13:46 9/28/2015 13:46	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and Time 1/6/2016 14:50 1/6/2016 14:50	61 64 y Dose in mrad: <u>Voltage Drop</u> 43 53 56	30.3 31.7 29.2 Quarterly Dose Normalized 22.8 27.6
SHD 185 DPR04 Electret ID SGI 976 SHC 768	9/28/2015 13:43 South Fence Cent Start Date and <u>Time</u> 9/28/2015 13:46 9/28/2015 13:46	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and Time 1/6/2016 14:50 1/6/2016 14:50 1/6/2016 14:50 Average Quarterl	61 64 y Dose in mrad: <u>Voltage Drop</u> 43 53 56	30.3 31.7 29.2 Quarterly Dose Normalized 22.8 27.6 28.5
SHD 185 DPR04 Electret ID SGI 976 SHC 768 SHC 771	9/28/2015 13:43 South Fence Cent Start Date and Time 9/28/2015 13:46 9/28/2015 13:46 9/28/2015 13:46	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and Time 1/6/2016 14:50 1/6/2016 14:50 1/6/2016 14:50 Average Quarterl	61 64 y Dose in mrad: <u>Voltage Drop</u> 43 53 56	30.3 31.7 29.2 Quarterly Dose Normalized 22.8 27.6 28.5
SHD 185 DPR04 Electret ID SGI 976 SHC 768 SHC 771	9/28/2015 13:43 South Fence Cent Start Date and Time 9/28/2015 13:46 9/28/2015 13:46 9/28/2015 13:46 Near Southeast F	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and <u>Time</u> 1/6/2016 14:50 1/6/2016 14:50 1/6/2016 14:50 Average Quarterl ence Corner	61 64 y Dose in mrad: <u>Voltage Drop</u> 43 53 56	30.3 31.7 29.2 Quarterly Dose Normalized 22.8 27.6 28.5 26.3
SHD 185 DPR04 Electret ID SGI 976 SHC 768 SHC 771 DPR05	9/28/2015 13:43 South Fence Cent Start Date and Time 9/28/2015 13:46 9/28/2015 13:46 9/28/2015 13:46 Near Southeast F Start Date and	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and <u>Time</u> 1/6/2016 14:50 1/6/2016 14:50 1/6/2016 14:50 Average Quarterl ence Corner Finish Date and	61 64 y Dose in mrad: Voltage Drop 43 53 56 y Dose in mrad:	30.3 31.7 29.2 Quarterly Dose Normalized 22.8 27.6 28.5 26.3 Quarterly Dose
SHD 185 DPR04 Electret ID SGI 976 SHC 768 SHC 771 DPR05 Electret ID	9/28/2015 13:43 South Fence Cent Start Date and Time 9/28/2015 13:46 9/28/2015 13:46 9/28/2015 13:46 Near Southeast F Start Date and Time	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and Time 1/6/2016 14:50 1/6/2016 14:50 Average Quarterl ence Corner Finish Date and Time	61 64 y Dose in mrad: Voltage Drop 43 53 56 y Dose in mrad: Voltage Drop	30.3 31.7 29.2 Quarterly Dose Normalized 22.8 27.6 28.5 26.3 Quarterly Dose Normalized
SHD 185 DPR04 Electret ID SGI 976 SHC 768 SHC 771 DPR05 Electret ID SGJ 044	9/28/2015 13:43 South Fence Cent Start Date and Time 9/28/2015 13:46 9/28/2015 13:46 9/28/2015 13:46 Near Southeast F Start Date and Time 9/28/2015 13:31	1/6/2016 16:20 1/6/2016 16:20 Average Quarterl ter Finish Date and Time 1/6/2016 14:50 1/6/2016 14:50 Average Quarterl ence Corner Finish Date and Time 1/6/2016 15:04	61 64 y Dose in mrad: Voltage Drop 43 53 56 y Dose in mrad: Voltage Drop 49	30.3 31.7 29.2 Quarterly Dose Normalized 22.8 27.6 28.5 26.3 Quarterly Dose Normalized 25.6

DPR06	Far Southeast Fei	nce Corner		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 478	9/28/2015 13:51	1/6/2016 14:55	42	23.1
SFK 512	9/28/2015 13:51	1/6/2016 14:55	43	23.7
SHC 761	9/28/2015 13:51	1/6/2016 14:55	56	28.3
		Average Quarter	ly Dose in mrad:	25.0
DPR07	East Fence Mid			
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SFK 481	9/28/2015 13:39	1/6/2016 15:06	45	25.1
SFK 500	9/28/2015 13:39	1/6/2016 15:06	49	27.1
SFK 553	9/28/2015 13:39	1/6/2016 15:06	52	28.9
		Average Quarter	y Dose in mrad:	27.0
DPR08	Northeast Fence	Corner -Water in ca	anister	
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 686	9/28/2015 13:23	1/6/2016 16:15	109	55.4
SHC 703	9/28/2015 13:23	1/6/2016 16:15	369	195.6
SHV 211	9/28/2015 13:23	1/6/2016 16:15	113	56.5
		Average Quarter	ly Dose in mrad:	102.5
DPR09	North-Northeast F	ence		
DPR09	North-Northeast F Start Date and	Fence Finish Date and		Quarterly Dose
DPR09 Electret ID	North-Northeast F Start Date and Time		Voltage Drop	Quarterly Dose Normalized
	Start Date and	Finish Date and	Voltage Drop 92	
Electret ID	Start Date and Time	Finish Date and Time		Normalized
Electret ID SGJ 046	Start Date and Time 9/28/2015 13:32	Finish Date and Time 1/6/2016 15:29	92	Normalized 49.3*
Electret ID SGJ 046 SHC 830	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32	Finish Date and Time 1/6/2016 15:29 1/6/2016 15:29	92 56 48	Normalized 49.3* 27.9
Electret ID SGJ 046 SHC 830	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32	Finish Date and Time 1/6/2016 15:29 1/6/2016 15:29 1/6/2016 15:29 Average Quarter	92 56 48 I y Dose in mrad:	Normalized 49.3* 27.9 26.1
Electret ID SGJ 046 SHC 830 SGJ 061	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt	Finish Date and Time 1/6/2016 15:29 1/6/2016 15:29 1/6/2016 15:29 Average Quarter Pile - Canister four	92 56 48 I y Dose in mrad:	Normalized 49.3* 27.9 26.1 34.4
Electret ID SGJ 046 SHC 830 SGJ 061	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32	Finish Date and Time 1/6/2016 15:29 1/6/2016 15:29 1/6/2016 15:29 Average Quarter	92 56 48 I y Dose in mrad:	Normalized 49.3* 27.9 26.1
Electret ID SGJ 046 SHC 830 SGJ 061 DPR10 Electret ID	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt Start Date and	Finish Date and Time 1/6/2016 15:29 1/6/2016 15:29 1/6/2016 15:29 Average Quarter Pile - Canister four Finish Date and Time	92 56 48 I y Dose in mrad: nd on ground Voltage Drop	Normalized 49.3* 27.9 26.1 34.4 Quarterly Dose Normalized
Electret ID SGJ 046 SHC 830 SGJ 061 DPR10	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt Start Date and Time	Finish Date and Time 1/6/2016 15:29 1/6/2016 15:29 1/6/2016 15:29 Average Quarter Pile - Canister four Finish Date and	92 56 48 ly Dose in mrad: nd on ground	Normalized 49.3* 27.9 26.1 34.4 Quarterly Dose
Electret ID SGJ 046 SHC 830 SGJ 061 DPR10 Electret ID SGI 957	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt Start Date and Time 9/28/2015 13:50	Finish Date and <u>Time</u> 1/6/2016 15:29 1/6/2016 15:29 Average Quarterl Pile - Canister four Finish Date and <u>Time</u> 1/6/2016 16:40	92 56 48 Iy Dose in mrad: nd on ground Voltage Drop 50	Normalized 49.3* 27.9 26.1 34.4 Quarterly Dose Normalized 26.1
Electret ID SGJ 046 SHC 830 SGJ 061 DPR10 Electret ID SGI 957 SHC 689	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt Start Date and Time 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50	Finish Date and Time 1/6/2016 15:29 1/6/2016 15:29 1/6/2016 15:29 Average Quarterl Pile - Canister four Finish Date and Time 1/6/2016 16:40 1/6/2016 16:40	92 56 48 ly Dose in mrad: nd on ground Voltage Drop 50 64 65	Normalized 49.3* 27.9 26.1 34.4 Quarterly Dose Normalized 26.1 32.9
Electret ID SGJ 046 SHC 830 SGJ 061 DPR10 Electret ID SGI 957 SHC 689 SHC 778	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt Start Date and Time 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50	Finish Date and <u>Time</u> 1/6/2016 15:29 1/6/2016 15:29 Average Quarterl Pile - Canister four Finish Date and <u>Time</u> 1/6/2016 16:40 1/6/2016 16:40 1/6/2016 16:40 Average Quarterl	92 56 48 ly Dose in mrad: nd on ground Voltage Drop 50 64 65	Normalized 49.3* 27.9 26.1 34.4 Quarterly Dose Normalized 26.1 32.9 33.5
Electret ID SGJ 046 SHC 830 SGJ 061 DPR10 Electret ID SGI 957 SHC 689	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt Start Date and Time 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50	Finish Date and <u>Time</u> 1/6/2016 15:29 1/6/2016 15:29 Average Quarterl Pile - Canister four Finish Date and <u>Time</u> 1/6/2016 16:40 1/6/2016 16:40 1/6/2016 16:40 Average Quarterl Corner	92 56 48 ly Dose in mrad: nd on ground Voltage Drop 50 64 65	Normalized 49.3* 27.9 26.1 34.4 Quarterly Dose Normalized 26.1 32.9 33.5 30.9
Electret ID SGJ 046 SHC 830 SGJ 061 DPR10 Electret ID SGI 957 SHC 689 SHC 778	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt Start Date and Time 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50	Finish Date and <u>Time</u> 1/6/2016 15:29 1/6/2016 15:29 Average Quarterl Pile - Canister four Finish Date and <u>Time</u> 1/6/2016 16:40 1/6/2016 16:40 1/6/2016 16:40 Average Quarterl	92 56 48 ly Dose in mrad: nd on ground Voltage Drop 50 64 65	Normalized 49.3* 27.9 26.1 34.4 Quarterly Dose Normalized 26.1 32.9 33.5
Electret ID SGJ 046 SHC 830 SGJ 061 DPR10 Electret ID SGI 957 SHC 689 SHC 778 DPR11	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt Start Date and Time 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 Start Date and Time	Finish Date and <u>Time</u> 1/6/2016 15:29 1/6/2016 15:29 Average Quarter Pile - Canister four Finish Date and <u>Time</u> 1/6/2016 16:40 1/6/2016 16:40 1/6/2016 16:40 Average Quarter Corner Finish Date and	92 56 48 ly Dose in mrad: nd on ground Voltage Drop 50 64 65 ly Dose in mrad:	Normalized 49.3* 27.9 26.1 34.4 Quarterly Dose Normalized 26.1 32.9 33.5 30.9 Quarterly Dose
Electret ID SGJ 046 SHC 830 SGJ 061 DPR10 Electret ID SGI 957 SHC 689 SHC 778 DPR11 Electret ID	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt Start Date and Time 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 Start Date and Time Start Date and Time	Finish Date and Time 1/6/2016 15:29 1/6/2016 15:29 1/6/2016 15:29 Average Quarter Pile - Canister four Finish Date and Time 1/6/2016 16:40 1/6/2016 16:40 Average Quarter Corner Finish Date and Time	92 56 48 Iy Dose in mrad: Ind on ground Voltage Drop 50 64 65 Iy Dose in mrad: Voltage Drop	Normalized 49.3* 27.9 26.1 34.4 Quarterly Dose Normalized 26.1 32.9 33.5 30.9 Quarterly Dose Normalized
Electret ID SGJ 046 SHC 830 SGJ 061 DPR10 Electret ID SGI 957 SHC 689 SHC 778 DPR11 Electret ID SHC 666	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt Start Date and Time 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50	Finish Date and <u>Time</u> 1/6/2016 15:29 1/6/2016 15:29 Average Quarterl Pile - Canister four Finish Date and <u>Time</u> 1/6/2016 16:40 1/6/2016 16:40 Average Quarterl Corner Finish Date and <u>Time</u> 1/6/2016 15:25	92 56 48 ly Dose in mrad: nd on ground Voltage Drop 50 64 65 ly Dose in mrad: Voltage Drop 56	Normalized 49.3* 27.9 26.1 34.4 Quarterly Dose Normalized 26.1 32.9 33.5 30.9 Quarterly Dose Normalized 29.7
Electret ID SGJ 046 SHC 830 SGJ 061 DPR10 Electret ID SGI 957 SHC 689 SHC 778 DPR11 Electret ID SHC 666 SHC 678	Start Date and Time 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 9/28/2015 13:32 North Fence Salt Start Date and Time 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50 9/28/2015 13:50	Finish Date and Time 1/6/2016 15:29 1/6/2016 15:29 1/6/2016 15:29 Average Quarterl Pile - Canister four Finish Date and Time 1/6/2016 16:40 1/6/2016 16:40 Average Quarterl Corner Finish Date and Time 1/6/2016 15:25 1/6/2016 15:25 1/6/2016 15:25	92 56 48 ly Dose in mrad: nd on ground Voltage Drop 50 64 65 ly Dose in mrad: Voltage Drop 56 71 56	Normalized 49.3* 27.9 26.1 34.4 Quarterly Dose Normalized 26.1 32.9 33.5 30.9 Quarterly Dose Normalized 29.7 31.1

DPR12	Waste Handling Building Loading Dock (West)				
	Start Date and	Finish Date and		Quarterly Dose	
Electret ID	Time	Time	Voltage Drop	Normalized	
SHC 645	9/28/2015 13:34	1/6/2016 15:15	48	24.3	
SHC 715	9/28/2015 13:34	1/6/2016 15:15	47	24.0	
SHC 849	9/28/2015 13:34	1/6/2016 15:15	56	28.6	
		Average Quarter	y Dose in mrad:	25.6	
DPR13	Waste Handling B	uilding Loading D	ock (Center)		
	Start Date and	Finish Date and		Quarterly Dose	
Electret ID	Time	Time	Voltage Drop	Normalized	
SHC 672	9/28/2015 14:00	1/6/2016 14:03	6	3.0*	
SHC 799	9/28/2015 14:00	1/6/2016 14:03	48	24.4	
SHC 863	9/28/2015 14:00	1/6/2016 14:03	53	27.1	
		Average Quarter	ly Dose in mrad:	18.2	
DPR14	Waste Handling B	uilding Loading D	ock (East)		
	Start Date and	Finish Date and	()	Quarterly Dose	
Electret ID	Time	Time	Voltage Drop	Normalized	
SHC 644	9/28/2015 13:41	1/6/2016 13:38	53	27.0	
SHC 743	9/28/2015 13:41	1/6/2016 13:38	54	27.7	
SHC 777	9/28/2015 13:41	1/6/2016 13:38	80	41.5	
		Average Quarter	y Dose in mrad:	32.1	
		, tronage Quanton	,	•=	
DPR16	Loving Weigh Sta	-	,		
DPR16	Loving Weigh Sta Start Date and	-	,		
DPR16 Electret ID		tion	Voltage Drop	Quarterly Dose Normalized	
	Start Date and	tion Finish Date and	-	Quarterly Dose	
Electret ID	Start Date and Time	tion Finish Date and Time	Voltage Drop	Quarterly Dose Normalized	
Electret ID SHC 724	Start Date and Time 9/28/2015 13:36	tion Finish Date and Time 1/6/2016 13:41	Voltage Drop 72	Quarterly Dose Normalized 35.4	
Electret ID SHC 724 SHC 725	Start Date and Time 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarter	Voltage Drop 72 66 70	Quarterly Dose Normalized 35.4 33.2	
Electret ID SHC 724 SHC 725	Start Date and Time 9/28/2015 13:36 9/28/2015 13:36	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarter	Voltage Drop 72 66 70	Quarterly Dose Normalized 35.4 33.2 34.2	
Electret ID SHC 724 SHC 725 SHV 169 DPR17	Start Date and Time 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarter Fire Department Finish Date and	Voltage Drop 72 66 70 I y Dose in mrad:	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 34.2 Quarterly Dose	
Electret ID SHC 724 SHC 725 SHV 169 DPR17 Electret ID	Start Date and Time 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and Time	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarter Fire Department Finish Date and Time	Voltage Drop 72 66 70 I y Dose in mrad: Voltage Drop	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 34.2 Quarterly Dose Normalized	
Electret ID SHC 724 SHC 725 SHV 169 DPR17 Electret ID SFK 519	Start Date and <u>Time</u> 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and <u>Time</u> 9/28/2015 13:28	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarter Fire Department Finish Date and Time 1/6/2016 13:58	Voltage Drop 72 66 70 I y Dose in mrad: Voltage Drop 51	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 Quarterly Dose Normalized 27.3	
Electret ID SHC 724 SHC 725 SHV 169 DPR17 Electret ID SFK 519 SFK 525	Start Date and <u>Time</u> 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and <u>Time</u> 9/28/2015 13:28 9/28/2015 13:28	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarter Fire Department Finish Date and Time 1/6/2016 13:58 1/6/2016 13:58	Voltage Drop 72 66 70 I y Dose in mrad: Voltage Drop 51 51	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 Quarterly Dose Normalized 27.3 27.2	
Electret ID SHC 724 SHC 725 SHV 169 DPR17 Electret ID SFK 519	Start Date and <u>Time</u> 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and <u>Time</u> 9/28/2015 13:28	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarter Fire Department Finish Date and Time 1/6/2016 13:58	Voltage Drop 72 66 70 I y Dose in mrad: Voltage Drop 51	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 Quarterly Dose Normalized 27.3	
Electret ID SHC 724 SHC 725 SHV 169 DPR17 Electret ID SFK 519 SFK 525	Start Date and <u>Time</u> 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and <u>Time</u> 9/28/2015 13:28 9/28/2015 13:28	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarter Fire Department Finish Date and Time 1/6/2016 13:58 1/6/2016 13:58	Voltage Drop 72 66 70 I y Dose in mrad: Voltage Drop 51 51 51 56	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 Quarterly Dose Normalized 27.3 27.2	
Electret ID SHC 724 SHC 725 SHV 169 DPR17 Electret ID SFK 519 SFK 525	Start Date and Time 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and Time 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 Hobbs Hwy / Nort	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarterl Fire Department Finish Date and Time 1/6/2016 13:58 1/6/2016 13:58 1/6/2016 13:58 Average Quarterl h Access Rd	Voltage Drop 72 66 70 I y Dose in mrad: Voltage Drop 51 51 51 56	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 34.2 Quarterly Dose Normalized 27.3 27.2 31.0	
Electret ID SHC 724 SHC 725 SHV 169 DPR17 Electret ID SFK 519 SFK 525 SFK 559 DPR18	Start Date and Time 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and Time 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarterl Fire Department Finish Date and Time 1/6/2016 13:58 1/6/2016 13:58 1/6/2016 13:58 Average Quarterl h Access Rd Finish Date and	Voltage Drop 72 66 70 Iy Dose in mrad: Voltage Drop 51 51 51 56	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 Quarterly Dose Normalized 27.3 27.2 31.0 28.5 Quarterly Dose	
Electret ID SHC 724 SHC 725 SHV 169 DPR17 Electret ID SFK 519 SFK 525 SFK 559 DPR18 Electret ID	Start Date and Time 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and Time 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 Start Date and Time Start Date and Time	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarterl Fire Department Finish Date and Time 1/6/2016 13:58 1/6/2016 13:58 1/6/2016 13:58 Average Quarterl h Access Rd Finish Date and Time	Voltage Drop 72 66 70 Iy Dose in mrad: Voltage Drop 51 51 56 Iy Dose in mrad: Voltage Drop	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 34.2 Quarterly Dose Normalized 27.3 27.2 31.0 28.5 Quarterly Dose Normalized	
Electret ID SHC 724 SHC 725 SHV 169 DPR17 Electret ID SFK 519 SFK 525 SFK 559 DPR18 Electret ID SFK 406	Start Date and Time 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and Time 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 Hobbs Hwy / Nort Start Date and Time 9/28/2015 13:28	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarterl Fire Department Finish Date and Time 1/6/2016 13:58 1/6/2016 13:58 Average Quarterl h Access Rd Finish Date and Time 1/6/2016 15:19	Voltage Drop 72 66 70 Voltage Drop 51 51 56 Voltage Drop Voltage Drop 49	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 34.2 Quarterly Dose Normalized 27.3 27.2 31.0 28.5 Quarterly Dose Normalized 27.3	
Electret ID SHC 724 SHC 725 SHV 169 DPR17 Electret ID SFK 519 SFK 525 SFK 559 DPR18 Electret ID SFK 406 SFK 502	Start Date and Time 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and Time 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 Hobbs Hwy / Nort Start Date and Time 9/28/2015 13:47 9/28/2015 13:47	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarterl Fire Department Finish Date and Time 1/6/2016 13:58 1/6/2016 13:58 Average Quarterl h Access Rd Finish Date and Time 1/6/2016 15:19 1/6/2016 15:19 1/6/2016 15:19	Voltage Drop 72 66 70 y Dose in mrad: Voltage Drop 51 56 y Dose in mrad: Voltage Drop 56 Voltage Drop 49 56	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 Quarterly Dose Normalized 27.3 27.2 31.0 28.5 Quarterly Dose Normalized 27.3 31.3	
Electret ID SHC 724 SHC 725 SHV 169 DPR17 Electret ID SFK 519 SFK 525 SFK 559 DPR18 Electret ID SFK 406	Start Date and Time 9/28/2015 13:36 9/28/2015 13:36 9/28/2015 13:36 Malaga Volunteer Start Date and Time 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 9/28/2015 13:28 Hobbs Hwy / Nort Start Date and Time 9/28/2015 13:28	tion Finish Date and Time 1/6/2016 13:41 1/6/2016 13:41 1/6/2016 13:41 Average Quarterl Fire Department Finish Date and Time 1/6/2016 13:58 1/6/2016 13:58 Average Quarterl h Access Rd Finish Date and Time 1/6/2016 15:19	Voltage Drop 72 66 70 Voltage Drop 51 51 56 Voltage Drop Voltage Drop 49	Quarterly Dose Normalized 35.4 33.2 34.2 34.2 34.2 Quarterly Dose Normalized 27.3 27.2 31.0 28.5 Quarterly Dose Normalized 27.3	

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DPR19	Southeast Control			
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SGI 958	9/28/2015 13:27	1/6/2016 13:53	72	35.4
SGJ 103	9/28/2015 13:27	1/6/2016 13:53	66	33.2
SGJ 104	9/28/2015 13:27	1/6/2016 13:53	70	34.2
		Average Quarterl	y Dose in mrad:	34.2
DPR20	NMED Guadalupe	St. Office Interior		
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 691	9/30/2015 11:40	1/6/2016 13:28	100	56.9**
SHC 812	9/30/2015 11:40	1/6/2016 13:28	95	55.1*
SHD 934	9/30/2015 11:40	1/6/2016 13:28	105	54.3*
		Average Quarterly	y Dose in mrad:	55.4
DPR21	NMED Guadalupe	St. Office Exterio	r	
	Start Date and	Finish Date and		Quarterly Dose
Electret ID	Time	Time	Voltage Drop	Normalized
SHC 774	9/30/2015 11:30	1/6/2016 13:43	55	29.2
SHC 709	9/30/2015 11:30	1/6/2016 13:43	-37	-19.7
SHC 785	9/30/2015 11:30	1/6/2016 13:43	145	76.9
		Average Quarterly	y Dose in mrad:	28.8