

Type of equipment: Self-Reading Electronic Personal Dosimeters

Quantity of dosimeters: 46

Location of dosimeters: State Parks Orange Coast District Office
3030 Avenida Del Presidente, San Clemente, CA 92672

Notes: ALL State Parks SONGS EWEC kits were permanently returned to Cal OES on Oct. 13, 2015

CASE # 27		CASE # 28		CASE # 29		CASE # 30	
Serial #	Due Date	Serial #	Due Date	Serial #	Due Date	Serial #	Due Date
CH3767	02/18/16	CH7237	02/18/16	CH5740	03/17/16	CH6665	03/17/16
CH4210	02/18/16	CH7306	02/18/16	CH5830	03/17/16	CH6739	03/17/16
CH5760	02/18/16	CH7392	02/18/16	CH5835	03/17/16	CH6832	03/17/16
CH5764	02/18/16	CH7401	02/18/16	CH5845	03/17/16	CH6984	03/17/16
CH5861	02/18/16	CH7434	03/17/16	CH5934	03/17/16	CH7119	03/17/16
CH6260	02/18/16	CH7438	02/18/16	CH5944	03/17/16	CH7286	03/17/16
CH6471	02/18/16	CH7443	02/18/16	CH5950	03/17/16	CH7365	03/17/16
CH6496	02/18/16	CH7452	02/18/16	CH5957	03/17/16	CH7377	03/17/16
CH6508	02/18/16	CH7457	02/18/16	CH5999	03/17/16	CH7382	03/17/16
CH6637	02/18/16	CH7460	02/18/16	CH6276	03/17/16	CH7399	03/17/16
CH7047	02/18/16			CH6292	03/17/16	CH7415	03/17/16
CH7120	02/18/16			CH6595	03/17/16	CH7424	03/17/16



OCCUPATIONAL
SERVICES, INC.

Certificate of Calibration

ISO 17025 Accredited



OSI's RML# 5149-37

Manufacturer: SAIC

Model: PD-3i-s

Customer: Governor's Office of Emergency
Services

Calibration Site: 6397 Nancy Ridge Drive, San Diego, CA 92121

Department: State Parks

Serial: CalEMA Dosimeters

ID#: N/A *Case 30*

Batteries: Checked

Detector Voltage: NE

Report Number: 150317 State Parks

Environmental Conditions: Temperature: 26.4 C

Pressure: 29.92 in Hg

Humidity: 31 %

Calibrated with A Cs-137 NIST calibration source, serial number SR-477 and SOP-CAL-09. The measurement uncertainty of the calibration is +/- 5%, at the 95% confidence level. The standard measurement tolerance is +/- 10% relative to the reference standard. Tolerances of +/- 20% are acceptable if appropriate correction factors or charts are provided as specified in the comments section of the calibration certificate. OSI performs radiation detection instrument calibrations in accordance with ISO 17025-2005, ANSI/NCIS Z540-1-1994 and ANSI N323A-1997.

Calibration Frequency: ☒ Annually ☐ Semi Annually ☐ Quarterly

SERIAL NUMBER	REFERENCE VALUE	AS FOUND VALUES	ACCEPTED or ADJUSTED VALUE	DIFFERENCE	% ERROR
	mR	mR	mR	mR	
CH7365	150	150	150	0	0
	50	50	50	0	0
CH7377	150	151	151	1	0.67
	50	50	50	0	0
CH7382	150	151	151	1	0.67
	50	51	51	1	2
CH7399	150	150	150	0	0
	50	50	50	0	0
CH7415	150	152	152	2	1.33
	50	51	51	1	2
CH7424	150	153	153	3	2
	50	51	51	1	2

Notes: The High Voltage for this unit was "Not Evaluated" (NE) because it is not an accessible test parameter. If the High Voltage were to be not within acceptable parameters, then tested ranges would be out of tolerance.

Detector 1 Type: Electronic Dosimeter		Detector 2 Type: N/A	
Background Reading:	Check Source Reading: N/A	Background Reading:	Check Source Reading:
Detector Efficiency:		Detector Efficiency:	
_____ = %		_____ = %	
dpm		dpm	

Condition Received: ☒ In Tolerance ☐ Out of Tolerance

Condition Left: ☒ In Tolerance ☐ Out of Tolerance

Detector Exposure Orientation: ☐ N/A ☐ Parallel ☒ Perpendicular

Calibrated By: *Tim Gray*

Date of Calibration: 3/17/2015

Tim Gray

Next Due Date: 3/17/2016

Q.A. Review: *[Signature]*

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Occupational Services, Inc. - 6397 Nancy Ridge Drive - San Diego, CA 92121

Tel 858-558-6736 - fax 858-558-6756 - www.occserv.com



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OSI's RML# 5149-37

Manufacturer: SAIC

Model: PD-3i-s

Customer: Governor's Office of Emergency
Services

Calibration Site: 6397 Nancy Ridge Drive, San Diego, CA 92121

Department: State Parks

Serial: CalEMA Dosimeters

ID#: N/A *Case 28*

Batteries: Checked

Detector Voltage: NE

Report Number: 150317 State Parks

Environmental Conditions: Temperature: 26.4 C

Pressure: 29.92 in Hg

Humidity: 31 %

Calibrated with A Cs-137 NIST calibration source, serial number SR-477 and SOP-CAL-09. The measurement uncertainty of the calibration is +/-5%, at the 95% confidence level. The standard measurement tolerance is +/- 10% relative to the reference standard. Tolerances of +/- 20% are acceptable if appropriate correction factors or charts are provided as specified in the comments section of the calibration certificate. OSI performs radiation detection instrument calibrations in accordance with ISO 17025-2005, ANSI/NCIS Z540-1-1994 and ANSI N323A-1997.

Calibration Frequency: ☒ Annually ☐ Semi Annually ☐ Quarterly

SERIAL NUMBER	REFERENCE VALUE	AS FOUND VALUES	ACCEPTED or ADJUSTED VALUE	DIFFERENCE	% ERROR
	mR	mR	mR	mR	
CH7434 ✓	150	150	150	0	0
	50	50	50	0	0

Notes: The High Voltage for this unit was "Not Evaluated" (NE) because it is not an accessible test parameter. If the High Voltage were to be not within acceptable parameters, then tested ranges would be out of tolerance.

Detector 1 Type: Electronic Dosimeter

Background Reading:

Check Source

Detector Efficiency:

Reading: N/A

- = %
dpm

Detector 2 Type: N/A

Background Reading:

Check Source

Detector Efficiency:

Reading:

- = %
dpm

Condition Received: ☒ In Tolerance ☐ Out of Tolerance

Condition Left: ☒ In Tolerance ☐ Out of Tolerance

Detector Exposure Orientation: ☐ N/A ☐ Parallel ☒ Perpendicular

Calibrated By:

Tim Gray

Date of Calibration: 3/17/2015

Next Due Date: 3/17/2016

Q.A. Review:

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