

OCEAN WATER SAMPLE DATA									
	Collection Date:		4-16-2024	4-16-2024	4-16-2024	4-16-2024	4-16-2024	4-16-2024	4-16-2024
	Reporting Level (pCi/l)	Lower Limit of Detection (pCi/l)	INDICATOR LOCATIONS (pCi/l)						CONTROL LOCATION (pCi/l)
Isotope	RL ¹	LLD ²	WSA 01	WSA 02	WSA 03	WSA 53	WSA 54	WSA 55	WSA 04
H-3	30,000	2,000	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Mn-54	1,000	15	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Co-58	1,000	15	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Co-60	300	15	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Zn-65	300	30	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-134	30	15	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-137	50	18	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

Sampling and Collection Frequency: Once per month

Type and Frequency of Analysis: Gamma isotopic and tritium analysis of each monthly sample.

Notes	
1.	The Nuclear Regulatory Commission (NRC) sets Reporting Levels (RL) for various environmental sampling media. If radioactivity exceeds the RL when sample results are averaged over any calendar quarter, SCE shall prepare and submit to the NRC within 30 days a special report that identifies the causes for exceeding the limits.
2.	The Lower Limit of Detection (LLD) relates to the method used for the analysis. It is a measure of the detection capability for the analytical method and not for any single sample analysis. The LLD ensures that radiation measurements are sufficiently sensitive to detect any levels of concern and small changes in the environment.

MARINE ANIMALS														
	Collection Date:		4-3-2024	4-3-2024	4-3-2024	4-3-2024	4-3-2024	4-3-2024	4-3-2024	4-3-2024	4-22-2024	4-22-2024	4-22-2024	4-22-2024
	Reporting Level (pCi/g)	Lower Limit of Detection (pCi/g)	INDICATOR LOCATIONS (pCi/g)								CONTROL LOCATIONS (pCi/g)			
Isotope	RL ¹	LLD ²	MOA 01 Fish #1	MOA 01 Fish #2	MOA 01 Crustaceae	MOA 01 Mollusks	MOA 02 Fish #1	MOA 02 Fish #2	MOA 02 Crustaceae	MOA 02 Mollusks	MOA 03 Fish #1	MOA 03 Fish #2	MOA 03 Crustaceae	MOA 03 Mollusks
Mn-54	30.00	0.13	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Co-58	30.00	0.13	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Co-60	10.00	0.13	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Zn-65	20.00	0.26	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-134	1.00	0.13	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Cs-137	2.00	0.15	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

Sampling and Collection Frequency: Once per 6 months

Type and Frequency of Analysis: Gamma isotopic analysis on edible portions

Notes	
1.	The Nuclear Regulatory Commission (NRC) sets Reporting Levels (RL) for various environmental sampling media. If radioactivity exceeds the RL, SCE shall prepare and submit to the NRC within 30 days a special report that identifies the causes for exceeding the limits.
2.	The Lower Limit of Detection (LLD) relates to the method used for the analysis. It is a measure of the detection capability for the analytical method and not for any single sample analysis. The LLD ensures that radiation measurements are sufficiently sensitive to detect any levels of concern and small changes in the environment.

OCEAN BOTTOM SEDIMENT						
	Collection Date:		4-10-2024	4-10-2024	4-10-2024	4-10-2024
	Reporting Level (pCi/g)	Lower Limit of Detection (pCi/g)	INDICATOR LOCATIONS (pCi/g)			
Isotope	RL ¹	LLD ²	SEB 02	SEB 03	SEB 04	SEB 06
Cs-134	N/A ³	0.15	< LLD	< LLD	< LLD	< LLD
Cs-137	N/A ³	0.18	< LLD	< LLD	< LLD	< LLD

Sampling and Collection Frequency: Once per 6 months

Type and Frequency of Analysis: Gamma isotopic analysis of each sample

Notes	
1.	The Nuclear Regulatory Commission (NRC) sets Reporting Levels (RL) for various environmental media ³ . If radioactivity exceeds the RL, SCE shall prepare and submit to the NRC within 30 days a written report that identifies the causes for exceeding the limits.
2.	The Lower Limit of Detection (LLD) relates to the method used for the analysis. It is a measure of the minimum detection capability for the analytical method and not for any single sample analysis. The LLD is the level of radioactivity that radiation measurements are sufficiently sensitive to detect any levels of concern and are expected to occur in the environment.

KELP						
	Collection Date:		4-16-2024	4-16-2024	4-16-2024	4-16-2024
	Reporting Level (pCi/g)	Lower Limit of Detection (pCi/g)	INDICATOR LOCATIONS (pCi/g)			CONTROL LOCATION (pCi/g)
Isotope	RL ¹	LLD ²	AVC 01	AVC 02	AVC 03	AVC 05
I-131	N/A ³	0.06	N/A ⁴	N/A ⁴	< LLD	< LLD

Sampling and Collection Frequency: Once per 6 months

Type and Frequency of Analysis: Gamma isotopic analysis of each sample

Notes	
1.	The Nuclear Regulatory Commission (NRC) sets Reporting Levels (RL) for various environmental sampling media ³ . If radioactivity exceeds the RL, SCE shall prepare and submit to the NRC within 30 days a special report that identifies the causes for exceeding the limits.
2.	The Lower Limit of Detection (LLD) relates to the method used for the analysis. It is a measure of the detection capability for the analytical method and not for any single sample analysis. The LLD ensures that radiation measurements are sufficiently sensitive to detect any levels of concern and small changes in the environment.
3.	The NRC has not established a RL for I-131 for Kelp. Kelp samples are not required by the SONGS NRC Licence Technical specifications.
4.	No surface canopy was available at kelp bed locations AVC 01 or AVC 02 during the April 2024 kelp sample event.