

Date: 15 August 2023

SWS's Energy Management Team

SWS has ISO 50001:2018 certification part of its assets and is working towards achieving this for all of its assets. The Energy Management System (EnMS) was established to systematically manage, forecast and record energy consumption, identify and implement improvements in energy performance at SWS. The following team members have been nominated based on purpose and responsibility and may act as focal points where indicated:

#	Nominated Members	Department/Section	Role in Team
1.	Dr. Titia de Mes	Sustainability Department	EnMS Team Representative & AMR
2.	Ahmad Abu Yousef	Sustainability Department	EnMS Team Support
3.	Ruqaya Al Hashmi	Sustainability Department	EnMS Team Support
4.	Senthil Nallusamy	Operational Excellence	Audit EnMS Suppor/QAQC
5.	Ali Omar Al Hashmi	Business Operations	EnMS Team Support
6.	Nasser Al Shamsi	HSE Department	EnMS Team Support
7.	Faris Al Bloushi	HSE Department	HSE focal point- Abu Dhabi
8.	Mohammed Almheiri	Enterprise Risk Management Section	EnMS Team Support
9.	Mohamed Buswaid	Mainland PS Section	O&M Contractor focal point – Abu Dhabi
10.	Suhail Al Nuami	Treatment Plant CMT	STPs & BOOT focal point
11.	Hassan Darwish	Quality Control Section	EnMS Team Support/(IMS AMR)
12.	Syed Akhlaq	Asset Development Section	EnMS Team Support
13.	Omar Chakfa	Projects Control Section	EnMS Team Support
14.	Raed Hardan	Planning & Development Section	EnMS Team Support

Key Tasks:

- Define and document the SWS EnMS scope and boundary in the event of change of boundary.
- Identify training needs associated with the significant energy uses and EnMS operation.
- Conduct the energy planning in line with SWS's energy management policy and report to the Top Management through the MR on the energy review based on the energy review procedure.
- Analyze energy use and consumption; predict the future energy use and variables that affect energy use and consumption and Identify areas of Significant Energy Use (SEUs), and establish and maintain energy baselines and Energy Performance Indicators (EnPI's).
- Identify, prioritize and record opportunities for improving energy performance and determine how the legal requirements and other requirements apply to SWS's energy use, consumption and efficiency and consider them in establishing, implementing and maintaining the EnMS.
- Establish, implement and maintain documented energy objectives and targets at the relevant functions, levels, processes, or facilities within SWS and assign time frames for such activities.
- Identify and plan operations and maintenance activities related to SWS's SEUs in line with energy management policy, objectives, targets and action plans.
- Promote awareness of the policy and objectives at all levels of SWS and perform a risk assessment by reviewing SWS's activities/ processes that can affect energy performance.
- Ensure monitoring, measurement and analysis of energy performance at planned intervals and review energy performance by comparing EnPI's to the baselines, as appropriate.
- Ensure the consideration of energy performance improvement opportunities and operational control in the design of new, modified and renovated facilities, equipment, systems and processes that can have a significant impact on SWS's energy performance.

O&M Contractor Authorized Representatives

The following team members have been nominated by the respective O&M Contractors based on purpose and responsibility and may act as focal points wherever required during the EnMS implementation and audit processes.

#	Nominated Members	O&M Contractor	Role in Team
1.	Jebakumar Ebenezer	El Nitco	Water Treatments Manager
2.	Vivek Reghukumar		Pumping station and Treatment facilities Eng
3.	Asokan Manickam		Area Manager – Al Dhafra1
4.	Ajith Krishnan		Area Manager – Al Dhafra2
5.	Natarajan V		Treatment Process Engineer-1
6.	Abdullah Helal		Treatment Process Engineer-2
7.	John Evangelist		O&M Engineer - Mainland
8.	Madhanraj M		O&M Engineer – Al Dhafra
9.	Hari Nath		Network Engineer
10.	Abdul Rehman		O&M Engineer – Al Khatim& Ghantoot
11.	Ahmed Gouda	Emarat Al Oula	Water & Wastewater Specialist
12.	Raheel Ansari		E&I Engineer
13.	Mohammad Naseer		E&I Engineer
14.	Abdalla Ahmed		Operations Engineer
15.	Jacob Chacko		Project Manager
16.	Eng Fadi Abi Assal	AqualiaMACE	Projects Director
17.	Eng Victoria Alvarez		O&M Manager Abu Dhabi
18.	Eng Francisco Abrahan Bermudez		O&M Manager Al Ain

Approved By:



Eng. Mohamed Al Jneibi
Business Resilience Director