

- **List of stakeholders**

Stakeholder Category: Local Authorities	
SH Subcategory	Name/Organization
Local administrations	Sindh Environmental Protection Agency
Local administrations	BQATI (Bin Qasim Association for trade and industry)
Water governance body	KWSB (Karachi water and sewerage board)
Local representative organizations	Madinah Medical
Local administrations	Sukkhan Police station

Stakeholder Category: Local Population	
SH Sub category	Name/Organization
Village / District	Neiborhood (Nestle employees)
Village / District	Farmers

Stakeholder Category: Local Businesses	
SH Subcategory	Name/Organization
Industrial neighbors	DP World
Industrial neighbors	Hamza Vegetable Oil and Ghee
Industrial neighbors	Home care textile
Industrial neighbors	Karachi Grains
Industrial neighbors	Kissan Ghee
Industrial neighbors	National Foods
Industrial neighbors	Pak Petro
Industrial neighbors	Pak Shaheen
Industrial neighbors	Shuja Mill
Industrial neighbors	TriPack
Industrial neighbors	Universal Cables

Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;

- Authorities and water governance bodies within area of influence also covered in stakeholder list

Provide evidence of stakeholder consultation on water-related interests and challenges;



National Foods



Pak Shaheen Cargo



Home Care textile



Employees from Nearest Society



Sukhan Police Station

Provide evidence of stakeholder consultation on water-related interests and challenges;



Hamza Vegetable Oil & Ghee (Sufi oil)



Baqati



Madinah Medical Centre



Universal Cables



Pak petro chemicals

Telephonic Interview with KWSB

Telephonic Interview with Farmers

Waqas Hussain
Business Support Staff Safety & Environment (POE)

Stakeholders Consultation



The engagement was planned on world water day in March, 2023 in PQF.

Connect session with External stakeholders (i.e. Neighboring industries, Authorities representatives and KWSB) and internal stakeholders(employees) was conducted at site to promote the water stewardship. The outcomes of the engagement were:

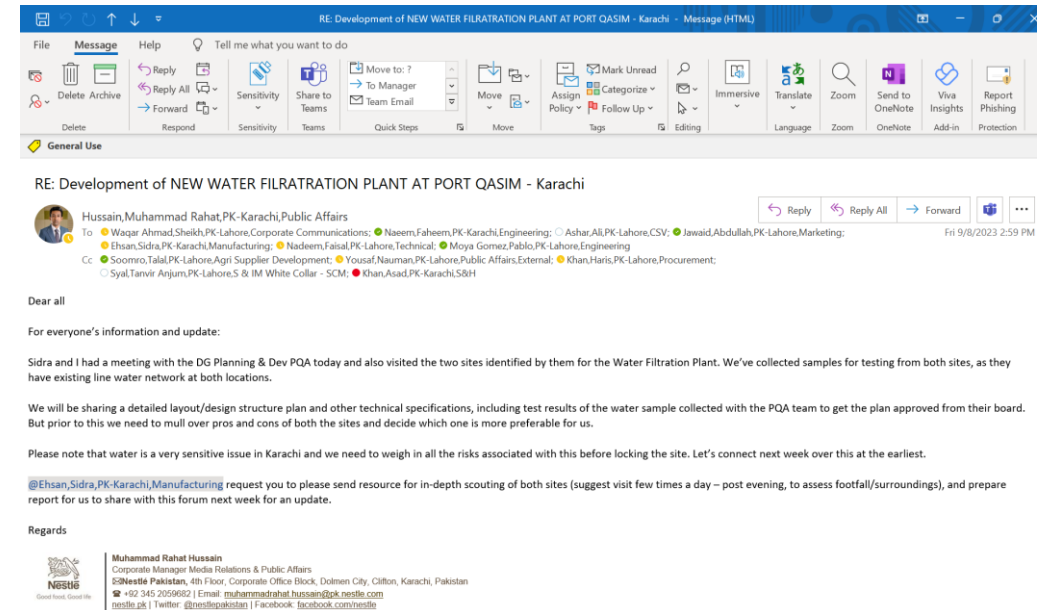
1. Shared water challenges identified: Water quality, unavailability of potable water,
2. Identification of water related initiatives to address the identified challenges.



Stakeholders Consultation

Drinking Water Filtration Plant - Nestle Pakistan Limited

Nestle is installing a drinking water filtration plant in 2023 within catchment. For this, meeting and consultations with PQA are underway. The project's discussion are in line with extending support to water governance bodies (Port Qasim Authority).



Telephonic Interview with KWSB

Telephonic Interview with Farmers

Waqas Hussain
Business Support Staff Safety & Environment (POE)

Shared Water Challenges (Order of Priority)

1. Water Quality Water quality is a big challenge for the area. Especially salinity of groundwater, untreated effluent.
2. Lack of good quality potable water
3. Water scarcity
4. Depleting groundwater levels
5. Floods in monsoon season
6. Marine Pollution
7. Lack of awareness on water management
8. Lack of awareness on wastewater management

<https://www.sciencedirect.com/science/article/pii/S2049080122004484#:~:text=In%20Karachi%2C%20causes%20of%20this,Karachi's%20already%20scarce%20water%20supply>

<https://www.thenewhumanitarian.org/news/2002/01/16/karachi-water-shortage>

<https://tribune.com.pk/story/2383239/water-scarcity-hits-city>

<https://www.slideshare.net/MinzaMumtaz/marine-pollution-and-its-control-along-karachi-coastline>

Water Related Challenges identified through stakeholder engagement process 2020-23

1. Drain line chocking issue with Home Care Textile (Priority 1)

Action: Matter has been taken up with PQA, Separate has been installed to avoid chocking issue.

2. Lack of knowledge regarding water resource management . (Priority 3)

Action:

- Knowledge sharing sessions conducted with neighboring industries and Authorities.
- Competency building of neighboring industries staff in resource management such as water mapping.

3. Water quality (Highly saline) and quantity issue in watershed. (Priority 1)

Action:

- Help neighboring industries in designing & construction of new deep well to achieve good quality water from underground.
- Install drip irrigation project for farmers which help in water conservation and increase crop yield with precision Watering.

Water Related Challenges identified through stakeholder engagement process 2020-23

4. Lack of understanding on wastewater management.

Action: Share best practices of wastewater management with neighboring industries.

5. Less trees in front of universal cable factory

Action: Tree plantation in front of universal cable

9. Water level drop issue will arise as neighboring industries wells will be operational.

Action: Raise awareness among all internal & external stakeholders on water saving

Initiatives to address Water Challenges

1. Monitoring the Sea Water Intrusion, Sea Level Rise, Coastal Erosion & Land Subsidence Along Sindh and Baluchistan Coast. (5- years)

<https://pcrwr.gov.pk/karachi/#1631208293744-1aadaeaa-7123>

2. Karachi Water and Sewerage Services Improvement Project

<https://documents.worldbank.org/en/publication/documents-reports/documentdetail/764331558330233577/environmental-management-framework>

3. PepsiCo Pakistan's new water filtration plant provides safe drinking water to 100,000 residents

<https://tribune.com.pk/story/2349075/pepsico-pakistans-new-water-filtration-plant-provides-safe-drinking-water-to-100000-residents>

4. Clean Water Program

<https://alkhidmat.com/donate/water-filtration-plant/>

<https://alkhidmat.com/clean-water-program/>

5. Wastewater Treatment Plants

https://www.nec.com.pk/WastWater_TreatmentPlants.aspx

Shared Water Challenges

- Water Quality (Highly saline underground water)
- water scarcity
- Lack of awareness on water management
- Lack of awareness on wastewater management