

Alliance for Water Stewardship

Port Qasim Factory

Water Stewardship Plan

	Goal	Action	Indicators	Responsible	Timeline	RISK MITIGATION / OPPORTUNITY CREATION (Physical / Regulatory / Reputational / Financial)
1	Good water governance	1a: Development of Water Stewardship plan to address key water issues faced by community and neighboring industries	AWS team has identified internal and external actions to be undertaken under AWS Umbrella in light of identified water challenges	AWS Lead	Process repeated after every 3 years	Reputational/Regulatory/Physical
		1b: Engagement with local media and journalists to disseminate water related information to the public	Discussion with journalists to disseminate factory's best water practices to public via Key opinion leaders visits.	Public Affair	On- Going Activities (KOL visits)	Reputational
		1c: Meetings with identified stakeholders to have consensus on current waterstewardship work and future water related development	Consultative meeting with relevant stakeholders identified during stakeholder mapping process to discuss and get feedback on sites water stewardship commitment.	AWS Team	On- Going Activities	Reputational/Physical
		1d: Periodic Notification to senior management on water related infrastructure of any concern	Quarterly Reporting to zone sharing evaluation of Water Stewardship work.	AWS team	On- Going Activities	Regulatory/Physical
		1e: Complete a social impact assessment on acceptability of local populations towards Nestle's Operation in the catchment	Conduct a poll acceptability survey to assess the evolution of Nestle PQ factory local acceptance, Opinion local people have on the factory's impacts, benefits for local population, etc	AWS team	On- Going Activities	Physical / Financial/Reputational
2	Sustainable water balance	2a: As identified via stakeholder consultation and hydrogeological study, underground water quality might affected with high extraction which can be shared water challenge	-Deep wells are run on designed yield to avoid exploitation and regular quality results are done especially conductivity monitoring to identify any abnormal trend in the aquifer.	Water Resource team	On- Going Activity	Reputational / Physical
		2b: Monitor monthly data for levels of PQ Factory important water related areas	A monthly analysis of well levels is done to take relevant actions where need be.	Water Resource team	On- Going Activities	Physical
		2c: Underground high saline water conversion into for Drinking water via proficient reverse osmosis system	Raw water extraction is done from deep wells which contain saline water which cannot be used without industrial treatment. This makes fresh surface water more available to local population.	Water Resource team	On- Going Activities	Regulatory / Financial / Physical
		2d: Improve Water resource managment at catchment level	Water Mapping is revised every year to prioritise top contributors on which projects are done to save water. This ensures continual improvement in the process	Water Resource team	Yearly	Regulatory/physical/financial/reputational
3	Good water quality status	3a: Sustainable water quality results for waste water	Important parametres are regularly tested for waste water	Site S&E Manager	On- Going Activities	Physical / Financial / Regulatory
		3b: Target zero landfill by identifying recycling, composting and incineration with heat recovery techniques.	All types of solid waste is completely transformed to avoid landfill which ultimately can exploit underground water bodies (via lechate) as well as surface water. Scrap vendors developed to: 1. Recycle all plastic waste from site 2. Compost Food waste 3. Incinerate with heat recovery all other hazardous waste	S&E team	On- Going Activities	Physical / Regulatory / Reputational/Financial
4	Healthy status of Important Water-Related Areas	4a: Inspection and maintenance of site IWRA (Deep Wells)	Micro, chemical and sensory is conducted for raw water from deep wells to trigger any issue immediately. Also, CIPs, pumping tests and camera inspections are done to maintain healthy status of deep wells in case of any observation.	Water Resource team	On- Going Activities	Regulatory
		4b: AWS disclosure for public dissemination of water stewardship work	Publically disclosed commitment for PQF AWS Audit and AWS Journey	AWS Lead	Done	Physical / reputational / Regulatory
		4c: Plan regular meetings with relevant stakeholders	Stakeholders are invited as well as involved in knowledge sharing sessions on water saving (AWS) as well as tree plantation activities	AWS Team	On going	Reputational / Financial
		4d: Mitigate impact on climate change and improve livelihood	Plant trees in Port Qasim region involving employees, authorities and neighboring industries	AWS Team	On going	Regulatory / Financial / Physical
5	Safe water, sanitation and hygiene for all (WASH)	5a: Maintenance and Improvement of WASH on site	Continually improve better sanitation services to staff on site. This may include, but not limited to, renovation work to install improved sanitary ware on site which may conserve water.	Site S&E Manager/ Site HR Manager	On going	Reputational / Physical