

WATER STEWARDSHIP PLAN - PQF -2021

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Goal (ORGANIZED BY AWS OUTCOME AREA)	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 via CRP 3.0	Factory Manager/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	World water day celebration in factory as well as in LUMS to re-iterate commitment towards water stewardship with key opinion leaders.	Public Affair	On- Going Activities	Reputational
	1c: Notification to catchment authorities and neighboring industries on sites water stewardship strategy and plans	PQF AWS Initiative shared with identified stakeholders on different engagement levels in form of on-site and off-site meetings. (World water day celebration at LUMS)	Public Affairs, AWS team	On- Going Activities	Reputational/Regulatory/Physical
	1d: Meetings with identified stakeholders to have consensus on current water stewardship 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 every 3 years.	Public Affairs, AWS team	Process repeated after every 3 years	Reputational/Physical
	1e(i): 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(ii): Periodic Notification to senior management on water related infrastructure of any concern	Reporting to steering committee sharing evaluation on water stewardship work and way forward to future projects	FM/AWS Lead	On- Going Activities	Regulatory/Physical
	1f: Communicate to suppliers to get vendor water management techniques as good water stewards	Communication to Novatex and Laundry vendor to share their water management techniques as a good practice	Public Affairs, AWS team	Process repeated after every 3 years	Reputational
	1g: Extension of combined Waste water drain line and share in maintenance cost with neighboring industry	Combined waste water drain line with neighboring industry extended and maintenance cost shared via Purchase order.	AWS Team	Completed	Regulatory / Physical / Financial
	1h: Development of "AWS Team" for Port Qasim Site	Training of New AWS Team Lead and S&E Manager	FM/AWS Lead	June'20	Regulatory / Physical / Financial
	1i: 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	CRP Team	Process repeated after every 3 years	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. This activity is done for both shallow and Deep aquifer - Monitoring of the water salinity is done as early warning strategy to anticipate the salinization of the aquifer to trigger awareness	Water Resource team	On- Going Activity	Reputational / Physical
	2b: Monitor monthly data for Static and Dynamic levels of PQ Factory important water related areas	A monthly analysis of well static and dynamic 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 management at catchment level	Improve site's water ratio by 2% every year considering baseline of 2020 according to new criteria for waste water compliance.	Water Resource team	Yearly	Regulatory/physical/financial/reputational
	2e: Combat Climate change and encourage ground water infiltration	Reduce water extraction at site level by implementing internal water saving initiatives.	Water Resource team	On going	Physical / reputational / Regulatory
	2f: Improve water table of catchment	Ensure deep wells operation on safe yield and water losses monitoring to avoid over exploitation via daily monitoring	Water Resource team	On going	Reputational / Physical / Financial
	2g: Explore water saving initiatives for site to meet water ratio targets	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	Site WR & WT Champion	Yearly	Physical
3 Good water quality status	3a: Sustainable water quality results for waste water	Important parameters are regularly tested for waste water	Site SHE 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	Safety and Environment team	On- Going Activities	Physical / Regulatory / Reputational/Financial
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3c: Review of quality status on monthly and quarterly basis	Waste water and important water related areas quality testing is done and reviewed regularly	Site QAM	On- Going Activities	Physical / Regulatory / Reputational
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**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
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4b: AWS disclosure for public dissemination of water stewardship work	Publically disclosed commitment for PQF AWS Audit and AWS Journey	AWS Lead	Yearly	Physical / reputational / Regulatory
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4c: Plan regular meetings with relevant stakeholders	Meetings with Stakeholders are conducted as per CRP 3.0 process to share sites best practices as well as feedback is seeked on environment related subjects.	CRP Lead	Process repeated after every 3 years	Reputational / Financial
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4d: Mitigate impact on climate change and improve livelihood	Partner with the Clean Green Pakistan movement by planting trees every year.	CSV/AWS Team	On going	Regulatory / Financial / Physical
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**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 SHE Manager/ Site HR Manager	Ongoing	Reputational / Physical
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