

ALLIANCE FOR WATER STEWARDSHIP SHEIKHUPURA FACTORY						
WATER STEWARDSHIP PLAN						
ALS (Aligned with AWS Outcom	ACTIONS	INDICATORS	RESPONSIBLE	TIMELINE	CREATION (Physical/Regulation/Reputatio	na/Financial)
GOOD WATER GOVERNANCE	1a:Development of a water stewardship Commitment in the light of water stewardship policy	Site commitment drafted, signed . Aws team identified internal & external projects under AWS umbrella to show case best water saving practices.	Factory Manager & AWS team	Raheel Afzal & AWS team	March 2018- On Going	Regulatory / Physical
	1b:Engagement with local media and journalists to disseminate water related information to the public	1 time to time Site visit of Media staff/Journalist, bloggers to show case best water practices. SKP Water projects story of drip field & Other initiatives also available on social media platforms.	Manager Public Affairs Office HO/Site	Maryam Khalid	March 2018- On Going	Reputational
	1c:Development of water stewardship plan to address key water issues facing the community	The Factory Leadership AWS Lead plus Team has discussed water related issues on Regular interval on which internal & External issues are discussed at several external forum like Pakistan Water Plan launch.	Manager Public Affairs, AWS team	Maryam Khalid / AWS team	Ongoing	Regulatory / Physical
	1d:Develop AWS related projects in agreement with EPA to sponsor environmentally sustainable activities dealing with climate change, water reporting water conservation.	Conduct Public hearing for new expansion project engage EPA, local population etc on tree plantation activities, World water day and share water saving projects status for new projects.	SH&E Manager , AWS team, HR	Asif Javid , Nabeel , Aws team	Jan '19 - Ongoing	Regulatory/ Physical
	1e:Meetings with identified stakeholders to have consensus on current water stewardship work and future water related development	Consultative meeting on site to be hosted by Nestle, inviting relevant stakeholders identified during stakeholder mapping process to discuss and get feedback on sites water stewardship commitment. Due to COVID only online sessions will be done.	AWS team	AWS team	2017 - Ongoing	Reputational
	1f:Meetings with identified stakeholders to have consensus on current water stewardship work and future water related development	Nestle Pakistan Water Stewardship plan was launched at LUMS in which policy maker, Government departments, NGOs, academia and other relevant water stakeholders were involved. The stakeholder engagement is a continuous process.	Manager Public Affairs, AWS team	Maryam Khalid / AWS team	October'19 - On going	Reputational
	1g:Implementation of good water practices awareness in sites area of operations	Neighbour industries and local population engaged on Public hearing session. Due to COVID in 2020 online invites sent to neighbour industries while Public hearing held with limited audience.	HRM,ERM,SHE,	Nabeel / Waseem / Asif Aws team	Dec'19 - ongoing	Reputational
	1h:Development of 'AWS Teams' for SKP Site	AWS Team led by the Factory Manager which includes the site leadership in which cross functional teams are collaborating actions. These action are tracked in Environment & Compliance meeting.	Site SHE/ Site HR/ Site Quality/ Site ERM	All AWS team members	Ongoing	Physical/Regulatory/Financial
	1i:Nestlé Chaunsa Mango Project at different farms in District Multan and District Khanewal	Improving the indirect water usage in Juice supply chain	AgriServices Manager	Mehboob Elahi	Ongoing	Reputational/Financial
	1j:Feasibility to use treated Waste Water use for Irrigation purpose	To enhance good Governance at Catchment level and enhance water usage at catchment level NOC is applied to use treated Waste Water for Irrigation purpose is on Going.	Site SHE / Site ISM / Water Expert / HRM / Waseem	Asif Javid / Muazz / Asif Khakwani / Nabeel / Waseem	2019 - Ongoing	Physical/Regulatory/Financial
1k:Participation in Tree Plantation Activity organized Annually on 'World Tree Plantation Day', and supporting Pakistan Govt. In clean green initiative	Different tree plantation activities are planned in Year 2019 & 2020 and more than 30000 tree planted so far.	Manager Public Affairs, HR, SHE	Maryam Khalid , Nabeel , Asif, hassan	Ongoing	Reputational	
1l: Improve Waste Water recycling at Factory Level	Reduction in Fresh Raw Water Extraction	Water Expert	Muazz Bin Aqeel	Ongoing	Reputational	
1m: Self-cleaneable filters installation to reduce process loss	Improve Water Recovery at HOD Line	Plant Manager -NPL	Nasir Mansoor	Ongoing	Reputational	
1n: Implementation of Water sense project	To install soil moisture sensor in farm fields around SKP region	AgriServices Manager	Mehboob Elahi	Ongoing	Reputational	
1o: Deploy water efficient irrigation system	To promote drip irrigation in farm field to reduce water usage in irrigation fields near SKP	Agri Services Manager	Mehboob Elahi	Ongoing	Reputational	
SUSTAINABLE WATER BALANCE	2a:Conduct an indirect water use awareness and evaluation for the supply chain vendors to factory.	Indirect Water coming in milk and drained at Evaporators in now treated and reused at factory level. Initiatives to lower on dairy supply chain such as drip fields is on going	AWS Lead /Team	Muazz Aqeel / Aws team	2018 - On Going	Reputational
	2b:Improve awareness about water conservation Agri value chain by helping local farm holdings implement drip irrigation farming method	MOU Signing between Nestlé Pakistan and GOU Drip Irrigation Project Providing training and support to farmers and other relevant suppliers on water quality, reducing water usage as well as retaining soil moisture for water sourcing in water scarce locations.	Manager Public Affairs , Agri Services Manager	Maryam Khalid / Mehboob Elahi	2017- On going	Physical / Financial
	2c:Improve and update site water balance	Update and maintenance of currently existing water balance for site, m3 / day	water expert/site SHE	Muazz Aqeel, Sibtain	Annually	Regulatory/ financial
	2d:Data for static and Dynamic level of SKP	Quarterly monitoring and analysis of well static and dynamic levels done . In addition yearly monitoring of NPL wells is available.	NPL Plant Team	Sibtain Khalid / Nasir mehmoood	quarterly/ongoing	Regulatory/ physical
	2e: Explore water saving initiatives for site to meet water reduction targets	Year Wise Water Saving Projects to achieve Water ratios targets	Water Expert / Plant managers / HSE team	All AWS team members	Dec'19	Reputational
	2f: Reduction of Arsenic level in raw water supply for production plants.	Improved water quality & enhanced pre treatment	water expert	Muazz Aqeel	May 2020	Reputational
	2g:Optimization of softener Backwash & final rinse with automation / upgradation	Water reduction at softners by timer & sequence based sequence	water expert / Project Manager	Muazz Aqeel	Feb 2021	Reputational
	2h:Seal Water reduction at D&J Plant by reusing it in closed loop circuit.	Water reduction at respective plant and improve water ratio.	water expert / Project Manager	Ibrahim Hameed / muazz aqeel	March 2021	Reputational
	2i:RO Reject installation to increase NPL RO permeate generation	Enhance operational efficiency of NPL RO units	NPL Plant Manager	Nasir Mansoor	Aug' 20	Physical/Regulatory
	2j:Installation of mist tap & safety guns to lower water usage in toilets at factory level & CD plant	Environment sustainability & reduced water usage	Water expert / CD team leader	Muazz Aqeel / Zaheer Wasti	May'19	Reputational
	2k:Maximizing Utilization of MBR-RO Water Water	Recycling of treated water for factory reuse.	Water Expert	Muazz Aqeel	December 2020	Physical/Regulatory/Financial
	2l: Maximizing utilization of Cow Water RO	To improve factory water ratio & maximize Indirect water re-use at factory level.	water expert	Muazz Aqeel	December 2020	Physical/Regulatory/Financial
	2m:Improve water management resource at catchment level	Initiate a plan to engage government engagement of concrete drain structure and engage Government authorities to support the initiative.	ERM, UM,FE,FM,HR,SHE	Waseem,Asif,Nabeel,	Dec-19	Physical,reputational,regulation
2n:Improve water management resource at catchment level	renewal water management parameter trees in public schools in the surrounding communities Plantation of more than approx. 30000 trees already done.	SH&E Manager / AWS Team	Asif Javid / Aws team	Ongoing	Reputational	
2o:RO Recovery Increase for Industrial Services	Reduction in Reject Water and Improve Water Ratio	Water Expert	Muazz Bin Aqeel	Completed	Reputational	
GOOD WATER QUALITY STATUS	3a:sustainable water quality results for water discharge record availability	Regulatory conduct Waste water parameters testing as per SOP.s from internal and external labs,	Site SHE manager/IS Manager	Asif Javid	ongoing	Regulation, Reputational, financial, Physical
	3b:Monitoring of Ground water Quality	Raw water parameters monitoring at Monthly basis	Water Expert	Muazz Aqeel	Ongoing Activities	Regulation, Reputational, financial, Physical
	3c: Effluent treatment online monitoring system	Compliance & Monitoring of Waste Treatment Plant Performance	Water Expert	Muazz Aqeel	Completed	Regulation, Reputational
IMPORTANT WATER RELATED AREAS	4a: Combat Climate Change and encourage good practise to discharge treated waste water discharge at catchment level.	Creating awareness of a shared challenge among the local industry & show case of waste treatment plant as good practice and appreciate others. Drive tree plantation around SKP to avoid run off and enhance filtration.	AWS Team	AWS team members	Ongoing	Physical, financial Regulatory
	4b: Evaluation of the site water stewardship in the catchment context. An evaluation feedback form to be developed and sent to relevant stakeholders and receive feedback on current risks	Utilize CRP tool as feedback and incorporate comments and suggestions from relevant stakeholders to assess risk at Catchment level which include multiple stakeholders	AWS Team	AWS team members	2016 - Ongoing	Reputational, Financial, Physical
SAFE WATER, SANITATION AND HYGIENE FOR ALL (WASH)	4c: AWS disclosure for public dissemination of water stewardship	Publicly disclosed commitment for SKP AWS Certification & Update on Website Publicly available data studies, publicly available commitment by Nestlé	Manager Public Affairs	Maryam Khalid Maryam Khalid	Done	Reputational
	5a: Regular Maintenance and improvement of WASH Services on Site	Continually improve better sanitation services to staff onsite. This may include, but not limited to, renovation work to install improved sanitary ware on site which may conserve water.	Site HR manager / AWS team	Nabeel Javid / Sibtain / Aws Team	2016-ongoing	Reputational
	5b: Clean Drinking Water Facility / Water Filtration Plant	Water Quality Testing to be done by third party & Maintenance as per plan	CSV Projects Manager	Ali Asher	Ongoing	Physical
	5c:Clean Drinking Water Facility / Water Filtration plant water supply at factory level	Water Quality Testing	QA Team , Water Treatment team	Anjum Suhail / Kashif / Muazz	Ongoing	Physical
5d:Clean Drinking Water Facility / Water Filtration Plant near SKP region.	Water Quality Test	QA Team	Anjum Suhail	Ongoing	Physical	