

Manali Petrochemicals switches to 100% recycled wastewater in its manufacturing processes.

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- *The initiative is a part of the group's triple-bottom-line strategy, which aims to conserve resources for a sustainable future.*

28th January 2020, Chennai: Manali Petrochemicals Limited (MPL), a leading chemical manufacturing company and part of AM International, Singapore today announced switching to 100% recycled water in its manufacturing plants. With the completion of the water supply infrastructure upgradation at its plant recently, MPL will deploy only treated tertiary sewage water across its manufacturing value-chain. The initiative is a part of the group's triple-bottom-line strategy, which aims to conserve resources for a sustainable future.

Commending the team for its efforts, **Ashwin Muthiah, Chairman, MPL and Founder Chairman, AM International, Singapore** said, "At AM International, alternate energy and recyclable resources are strategic to our contribution towards a sustainable planet. The water supply infrastructure overhaul at the MPL plant is an example of our commitment to green manufacturing. The move contributes to the optimal utilisation of resources and more importantly, enables the conservation of freshwater for basic human needs."

Water is an essential raw material in chemical manufacturing – used in the production, washing and cooling systems. The plants at MPL have a combined daily requirement of around 6,000 kilolitres (KL). About 4,400 KL is used in the manufacturing process and can accommodate water with slightly high total dissolved solids (TDS) levels. This need has now been met by using secondary treated sewage water. The remaining 1,600 KL has to be high purity water.

To address the challenge, MPL overhauled the water supply infrastructure at its plants.

- To meet its requirement of high TDS water with recycled wastewater, MPL replaced the pipeline of 10" to 14" from the Kodungaiyur (KGR) plant outlet to Plant 2, covering a total distance of 3 km. Further, to connect this line with Plant 1, MPL also converted the existing 6" pipeline from P2 to P1 with a 10" pipe covering another 3 km.
- Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB) propositioned to meet the plant's freshwater requirement with high-quality tertiary treated water from the Kodungaiyur plant. To accommodate this collaboration, MPL modified its pipeline from the outlet point of CMWSSB to both its plants. The pipeline covered a combined distance of approximately 2 km.

The project was completed in 12 months. Today, MPL uses 100% recycled wastewater in its manufacturing processes. Its usage of freshwater is limited to domestic purposes and for the manufacturing of pharmaceutical-related products.

About Manali Petrochemicals Limited (www.manalipetro.com):

Manali Petrochemicals Limited (MPL) is a leading petrochemical manufacturer based in Chennai, India. It markets propylene glycol and polyols. Part of Singapore headquartered USD 2+ billion [AM International](#) group, MPL has one Wholly Owned Subsidiary – AMCHEM Specialty Chemicals Limited, Singapore - and two Step Down Subsidiaries (SDS) – AMCHEM Specialty Chemicals UK Limited, UK and Notedome Limited, UK.

About AM International Holdings Private Limited (www.aminternational.sg):

AM International is a diversified, multinational group of companies with a federated operating architecture. Headquartered in Singapore, it has been trusted by millions of customers for over six decades. Today, many of the group's businesses are market leaders with footprints across South East Asia, India and the United Kingdom. The group's business verticals include fertilisers & supply chain, petrochemicals, infrastructure, healthcare and green energy. The group's CSR activities are helmed under the [AM Foundation](#) and its initiatives are focused on providing clean drinking water, preventing water contamination and solving the sanitation crisis.

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