

POLLUTION PREVENTION TECHNIQUES IN THE PRINTING INDUSTRY

“Sometimes the easiest way to solve a problem is to stop participating in the problem”
-Anonymous

INDUSTRY POLLUTION

MOST POLLUTION IN THE PRINTING INDUSTRY COMES FROM INK AND SOLVENTS, WHICH RELEASE VOLATILE ORGANIC COMPOUNDS (VOCs) INTO THE AIR. COPPER USED TO PLATE ROLLERS AND LEAD PLATING ALSO PRODUCE POLLUTION (“MONITORING INFORMATION BY INDUSTRY”). COPPER CAN BE TOXIC TO BOTH AQUATIC LIFE AND TO HUMANS (“COPPER PRODUCTION”). MONDI JACKSON GROUP, FACILITY ID:63702MWPC14591, A PAPER PACKAGING PRINTER RECOGNIZED THIS. THEY FOUND SOLUTIONS TO REDUCE POLLUTION AND COMPLY WITH EPA GUIDELINES WHILE BENEFITING THE SURROUNDING COMMUNITY.



INDUSTRY POLLUTION

REDUCTION

COMMON POLLUTION REDUCTION TECHNIQUES IN THE PRINTING INDUSTRY INCLUDE:

- LOW VOC INKS
- CAPTURE SYSTEMS
- CATALYTIC OXIDIZERS (“MONITORING INFORMATION BY INDUSTRY”)
- CARBON ABSORBERS (WHICH SEPARATE WATER FROM PRINTING SOLVENT WASTE)

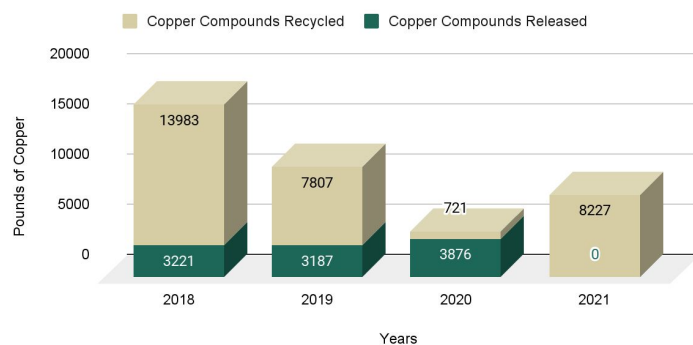
FACILITY POLLUTION REDUCTION

THE MONDI JACKSON GROUP PRINTING FACILITY (FACILITY ID:63702MWPC14591) REDUCED POLLUTION BY DISCONTINUING THE USE OF COPPER CYLINDERS IN PRINTING (US EPA P2 SEARCH TOOL). AS OF 2021, THIS FACILITY IS RECYCLING ALL OF THE COPPER USED. THIS BENEFITS THE COMPANY BY MAKING IT EASIER TO COMPLY WITH EPA WATER POLLUTION GUIDELINES. IT BENEFITS THE ENVIRONMENT BY REDUCING WATER POLLUTION IN THE SURROUNDING AREA. IN ADDITION, THE GLOBAL MONDI JACKSON GROUPS PLANS TO IMPLEMENT SOLUTIONS TO REDUCE WATER POLLUTION WORLD WIDE (“MONDI BECOMES MEMBER OF ALLIANCE FOR WATER STEWARDSHIP”).



FACILITY POLLUTION REDUCTION DATA

Mondi Jackson Group Copper Management of Copper Compounds (All data is from the EPA's P2 Data Base)



COMMUNITY IMPACTS

POSITIVE COMMUNITY IMPACTS OF REDUCED COPPER POLLUTION INCLUDE:

- REDUCED LEVELS OF COPPER POISONING (WHICH CAN CAUSE ALZHEIMER'S DISEASE, LIVER DAMAGE, AND DEATH)
- IMPROVED AIR QUALITY
- IMPROVED WATER QUALITY (“COPPER PRODUCTION”).

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- “Copper Production & Environmental Impact.” Greenspec, <https://www.greenspec.co.uk/building-design/copper-production-environmental-impact/>. Accessed Jan. 16, 2023.
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- “Mondi Becomes Member of Alliance for Water Stewardship (AWS) to Tackle ...” Mondi Group Partnerships and Global Engagements, Mar. 2021, <https://www.mondigroup.com/en/newsroom/press-release/2021/mondi-becomes-member-of-alliance-for-water-stewardship-aws-to-tackle-climate-change-impacts-on-water-security/>
- <https://www.vecteezy.com/free-vector/graffiti> Graffiti Vectors by Vecteezy