



Problem/Opportunity

Irrigation Dripline Scrap: Polymer Recovered

CASE STUDY - No. 09242

Mixed Plastic Separation



Silicone Removal

Problem/Opportunity:

Major manufacturers of irrigation products and services wanted an alternative to sending their otherwise unusable production scrap to a landfill.

Impact on Customer:

Irrigation dripline scrap cannot be reused *“as is”* because of imbedded thermoset silicone emitters and incompatible polymers. In addition to *landfill avoidance*, our customers also wanted to recover the valuable PE from their dripline scrap and use it for manufacturing new irrigation tubing. In one case, having recently opened a new production plant — startup scrap was significant. In another case, production scrap was an expense that could be eliminated

Butler-MacDonald’s Solution:

Butler-MacDonald was able to utilize our proprietary plastics separation processes to recover significant quantities of PE resin, which was further processed to generate a 83% yield of near-prime PE Repro pellets.

Result:

Our customers are now using recycled PE content derived from the unusable dripline scrap back in the manufacture of new irrigation products. Moreover, using Butler-MacDonald has reduced their need for prime PE resin and lowered raw material costs. In a world where carbon footprinting can impact the bottom line and influence a customer's decision on what product they will purchase – these companies were also able to achieve their objective of *landfill avoidance*.

Using Butler-MacDonald makes economic sense

Call us.



Result: PE Pellets, 100% Repro



RECOVERING VALUE FROM UNUSABLE PLASTIC™

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