W.A.S.T.E. CLOTHING DIVISION

This garment is made from 100% certified recycled plastic PET bottles. The bottles are stripped of their labels and caps, washed, and crushed, then chopped into flake. These tiny pieces are melted and extruded to create fibre. The fibre produced is crimped, cut, drawn and stretched into desired length for strength, then baled. The baled fibre can be processed into fabric for a variety of textile product end uses.

Presented below are brief descriptions of the processes involved in the production of both ordinary polyester and of recycled polyester;

TO MAKE POLYESTER:

MINE EXPLORATION + PETROLEUM MINING (LAND) OR DRILLING (OCEAN) + PETROLEUM TRANSPORTATION (BOAT, PIPELINE, RAIL & TRUCK)

AT THE POLYESTER REFINEMENT FACTORY:

CHEMICAL TREATMENT 1: TEREPHTHALIC ACID + CHEMICAL TREATMENT 2: DIMETHL TEREPHTHALATE + CHEMICAL TREATMENT 3: BIS-CHYDROXYETHYL ISOPHALATE + CRUSH, MELT & SHRED INTO POLYESTER FLUFF

AT THE YARN FACTORY:

PACK THE POLY FLUFF BY PRODUCT INTO ROLLS + DIVIDE INTO SMALLER ROLLS + WIND THE ROLLS + COMB THE ROLLS + SPIN THE COMBED POLY INTO YARN (OFTEN WITH SILKS) + KNIT THE POLY YARN WITH OTHER YARNS INTO FABRIC = FINISHED FABRIC

TO MAKE RECYCLED POLYESTER:

COLLECT BOTTLES + COMPACT BOTTLES + TRANSPORT BOTTLES (BOAT, RAIL & TRUCK)

AT THE POLYESTER REFINEMENT FACTORY:

CRUSH, MELT & SHRED INTO POLYESTER FLUFF

AT THE YARN FACTORY:

PACK THE POLYESTER FLUFF BY PRODUCT INTO ROLLS + DIVIDE INTO SMALLER ROLLS + WIND THE ROLLS + COMB THE ROLLS + SPIN THE COMBED POLY INTO YARN = FINISHED FABRIC

RECYCLED POLYESTER

REDUCES AIR, WATER & SOIL CONTAMINATION
REDUCES USE OF ENERGY & OIL
REDUCES NON-BIODEGRADABLE LANDFILL MATTER
REDUCES TOXIC EMISSIONS FROM INCINERATORS
REDUCES POLLUTION AND LAND DEGRADATION
ALTHOUGH, OF COURSE, NOTHING IS PERFECT

THIS ANORAK IS MADE FROM APPROXIMATELY 15 OLD BOTTLES