



THE CAINE GROUP

ROOF TO ROAD

Wet Blending Recycled Asphalt Shingles to Manufacture Asphalt Paving

Presenter - Jim Russell



**Carolina Recycling Association
33rd Annual Conference & Trade Show**



Jim Russell

CEO The Caine Group

Over 50 Years experience in the asphalt industry.

IMPACT

Every year in North Carolina an estimated **60,000 - 90,000** tons of liquid asphalt is disposed into landfills annually from roofing shingles.



IMPACT

With an estimated **150,000** roofs replaced across NC every year, landfill space is becoming increasingly limited. Across North America, asphalt shingles comprise 80% of residential roofs which increases the need to have more efficient methods of recycling this material.



IMPACT

A unique opportunity exists to help Asphalt Plant Operators reduce the production cost of asphalt paving and reduce the amount of waste that goes into landfills.

Our recent, internationally patented technology, wet blends recycled asphalt shingles in the manufacturing process of asphalt paving instead of the current dry shingle recycling method.



IMPACT

Prior to obtaining the wet blending method patent design, the only approved method was the dry method.

Our patented Wet method allows recycled asphalt shingles to be blended into the asphalt cement. The recycled asphalt shingles are completely blended, giving a more consistent asphalt cement introduction into the hot mix. All asphalt cement and recycled asphalt shingles will be fully blended and introduced to the hot mix together.



BENEFITS

This technology represents a tremendous win for everyone involved. The benefits as described are far reaching and will help many.

Roofing companies have the potential to reduce their disposal cost, landfills benefit by preserving valuable landfill space, asphalt manufacturers reduce the production cost, and State and Local Municipal highway builders will see lower bid cost for paving projects.



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