



# Incinerated Biosolids Ash

## What is it?



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- Hampton Roads Sanitation District (HRSD) provides high quality wastewater treatment services to Southeast Virginia. Each day approximately 150 million gallons of wastewater are collected, cleaned, and returned to the local waterways. As a result of effective wastewater treatment, solids are removed and in some cases incinerated at our facilities. This incineration process reduces the solids to bottom ash.

### Can this ash be recycled?

- HRSD generates approximately 10,000 tons of incinerator ash annually. This ash is recycled into various products for beneficial reuse. Some of the uses for this valuable material include:
  - Flowable and select fill material
  - Soil cement components
  - Potting soil mixes
  - Erosion control blocks
  - Garden ornaments
- The unique properties of incinerator ash provides a higher compressive strength than many conventional fill materials.
- The ash recycling program saves HRSD and its customers an estimated \$180,000 per year by diverting the ash from landfills to recycling projects.
- The recycling of ash preserves valuable landfill space.

### Are there environmental concerns?

- HRSD conducts an annual laboratory analysis on the characteristics and leaching potential of this ash. For over a decade, this product has consistently qualified as “non-hazardous” and deemed appropriate for beneficial reuse.

***HRSD’s incinerated biosolids ash is not the same as coal fly ash or other ash products.  
The characteristics of incinerated biosolids may differ significantly from other ash products.***