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## News Release

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## **BioSAFE Engineering Clarifies Recent AP Article “Dissolving Bodies with LYE”**

**Brownsburg (Indianapolis), Indiana** – BioSAFE Engineering explains their patented Alkaline Hydrolysis process as a green alternative to burial and cremation. According to Brad Crain, President of BioSAFE Engineering, “It is a non-burn environmentally friendly process that sympathetically returns the body to ashes.”

BioSAFE Engineering’s process for human cadavers is called “Water Resolution” and uses Potassium Hydroxide which is a chemical liquid in wide use today. Crain explains, “Alkaline Hydrolysis is a naturally occurring process. Bodies that are buried in the earth are degraded by alkaline hydrolysis, expedited by soil bacteria. However, this is a very slow process. BioSAFE Engineering’s Water Resolution speeds up this naturally occurring process by using an alkali to solubilize and hydrolyze tissue, accelerated by heat inside a pressure vessel. The patented method processes amino acids and peptides that form a PH controlled sterile nontoxic effluent. Also produced are pure white bone shadows (ash) which may be easily powdered and given to relatives as in cremation.” Crain also points out that “BioSAFE’s Water Resolution process is a safe method for destruction of all known diseases: bacteria, viruses, and cancer fighting drugs, as well as embalming fluids. “

“The carbon “foot print” for Water Resolution is substantially smaller when compared to furnace fired cremation,” states Richard Redpath, PE and Vice President Operations for BioSAFE Engineering. “There are no air emissions or EPA permits required with our process. Present Cremation furnaces produce CO<sub>2</sub>, CO, incomplete combustion by products such as heavy metal vapor (from dental fillings) and contaminated particles are released up the flue stack. Our process uses an electric steam generator and mixing motor pumps while the chemical process breaks down cell structure to very basic hydrocarbons. Average water usage is approximately two barrels and the process is completed in approximately 2-3 hours.”

BioSAFE Engineering’s Alkaline Hydrolysis Process is patented in 23 Countries including the USA, Canada and in the (EU) European Community for human cadavers. The European Union is requiring scrubbers on all cremation furnaces during 2009 at a cost of approximately \$400,000 in US dollars per facility. The basic cremation furnace, without a scrubber, is slightly higher than BioSAFE’s Water Resolution unit. Operating costs for BioSAFE’s unit are less than fuel consuming furnaces. No additional labor is required and the machinery can be placed within existing cremation facilities. For more information contact BioSAFE at 888-858-8099 or visit the BioSAFE website at [www.biosafeengineering.com](http://www.biosafeengineering.com) .