**Non Fossil H.G.I. CRADA Report
CRADA PC90-001, Final Report**

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no date
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NON FOSSIL H.G.I. CRADA REPORT

Responsible Person: Colleen Butcher
 Parson's Group Leader: Deborah Hreha
 Parson's technician: Thomas Beatty
 Parson's technician: Donald Kirkland
 Location: HGI lab in NW corner of Bldg 83
 CRADA Partner: ASTM

Year	Samples Sold	Price
1993	95	\$250
1994	81	\$250
1995	51	\$500
1996	46	\$500
1997	58	\$500
1998 as of 11/2/98	39	\$500
Total=	380	\$141,000

The price of \$500 covered manufacturing for the past four years, not shipping. Before 1995 the HGI manufacturing and shipping was mostly subsidized by the government.

Semiannual ASTM D-05 committee meetings are attended by the responsible person in order to exchange information. These are held at various locations throughout the US and Canada.

A set consists of 4 canisters, each of a different hardness: 40, 60, 80 and 110. The money the US DOE receives comes from the customer who wants to purchase the set. Customers consist primarily of domestic power utility companies and Commercial Laboratories. Countries we have shipped to include, but are not limited to, South Africa, Brazil, Chile, Peru, Indonesia, France, Germany, Australia, Japan, India, Canada and Switzerland.

Attached are the official ASTM procedures used in the production of the sets which are reviewed yearly by the ASTM D05 committee. The two Parson's technicians are trained in accordance with these procedures.

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