Calgon Carbon Corporation
NETL Mercury Panel Discussion
December 11, 2007

Sorbent Specifications

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Property	Units	MC	MC Plus	CF	CF Plus	Referee Method
Iodine Number	mg/g	400 min	400 Min			ASTM D4607
Moisture	%	<8	<12	<8	<12	ASTM D2867
Bromine	%	Proprietary		Proprietary		Will Disclose upon Secrecy Agreement
Ash	%	<35	<35	<35	<35	ASTM D2866
Particle Size	U%	<16	<16	<16	<16	Laser Coulter LS13-320
Foam Index	Drops			<30	<30	TM-99
Typical Properties						
Ignition Temperature	°C	>450	>450	>450	>450	ASTM D3466
Iodine Number	mg/g			400	400	ASTM D4607
Volatile Matter	%	<3	<3	<3	<3	ASTM D5832

Surface area and starting material affects

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Figure 1: Starting Material and Surface Area Affects on Inflight Capture Efficiency

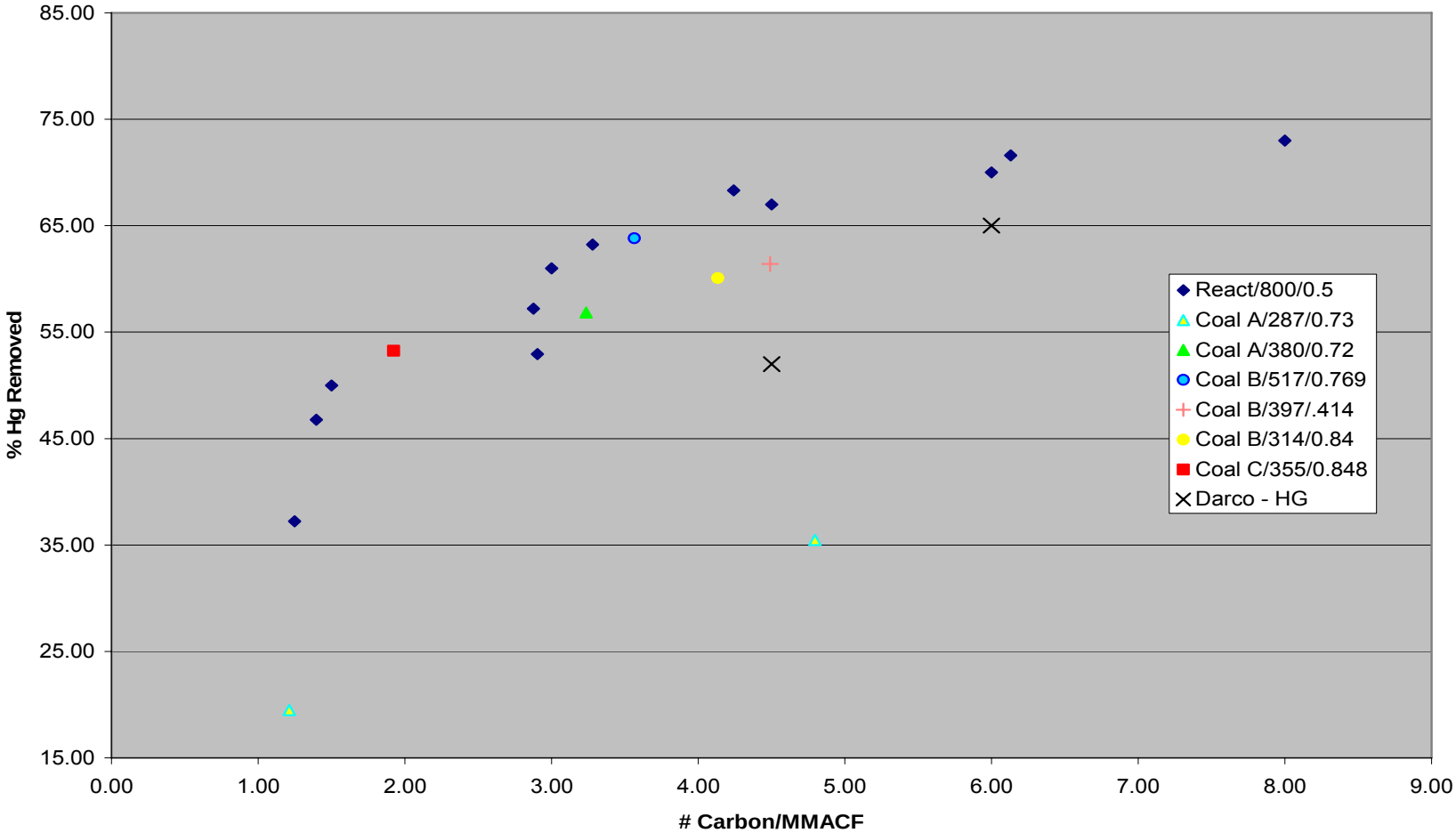
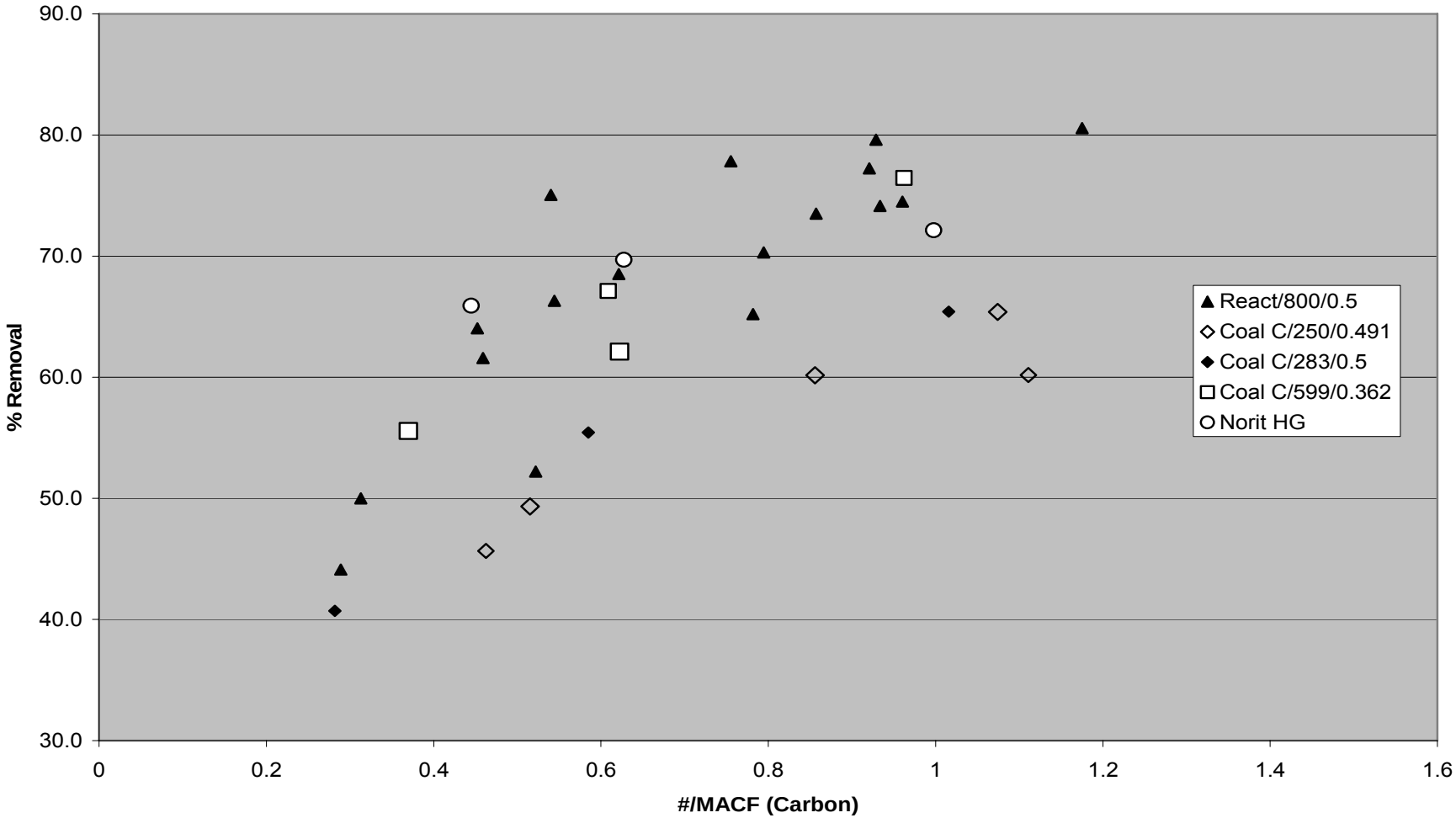


Figure 2: Second Study of Surface Area and Apparent Density Affects on In Flight Capture



Domestic Manufacturing

- **Two plants (3 lines) producing virgin grade product**
  - 110 million pounds granular product
  - 8 million pounds PAC
- **Two plants producing reactivated product**
  - 56 million pounds
  - 14.5 dedicated to FluePAC
- **Idle virgin carbon production**
  - B-Line, Cattletsburg, KY – scheduled to start up in 2009
  - Limited capital investment required
- **Idle reactivation capacity**
  - 9 million pounds

FluePAC Capacity

YEAR	TOTAL
2007	23 MM
2008	57 MM
2009	107 MM
2010	112 MM

Expansion Beyond 2009

- **Calgon has unparalleled assets to keep pace with demand beyond 2009 through at least 2012.**
  - Three domestic production lines.
  - Shift demand for other markets to alternative products and/or alternative production facilities
  - 250-300 MM pounds of annual FluePAC production

Phase III would Occur Some time after 2012 and involve one of the options below.

- **Pearl River plant expansion - Mississippi**
  - Addition of a new production line
    - 80 to 90 MM pounds
    - Utilize existing infrastructure

- **Expand supply via new facilities/new production lines at existing CCC facilities outside the U.S.**

- **U.S. Greenfield site**
  - 130 to 150 MM pounds
  - Large capital investment

Future Market Impacts

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- **Current Market Pricing.**

  Non brominated - $0.60-$0.75/lb
  Brominated - $1.00-$1.10/lb
  Cement Friendly - $0.75-$0.85/lb
  Cement Friendly/Brominated - $1.15-$1.25/lb

- **Future impacts are difficult to quantify but include:**

  - Acceptance of Chinese Product and vendor capability of overcoming quality and logistical issues related to importing large volumes.
  - New competitors with domestic production.
  - Feasibility of On site production.
  - Ability of current suppliers to expand capacity.
  - New technologies.

New Product Areas

- **Recyclable Carbon**
- **Hot Side ESP Carbon.**
- **Sulfur Tolerant Carbon.**