

### **News:**

#### **EPA "Buy American" Waiver:**

*(Federal Register/Vol74, No.104)*

The EPA granted a nationwide waiver of the "Buy American" requirements of ARRA section 1605 under the authority of 1605(b)[1] (public interest waiver) for *de minimis* incidental components of eligible water infrastructure products funded by ARRA. This action permits the use of non-domestic iron, steel and manufactured goods when they occur in *de minimis* incidental components of such projects that may otherwise be prohibited under section 1605(a).

*(Steel Business Briefing www.steelbb.com)*

#### **China's steel output, iron ore imports hit record levels:**

China's crude steel output reached its highest monthly level this year in July of 50.68m tones, up 12.6% year-on-year, while iron ore imports that month also hit a record 58.1mt. Year-to-July crude steel output was 317.31mt, up 2.9% y-o-y. Although the daily crude steel production rate of 1.63mt was slightly less than the 1.65mt recorded in June, the data points to China being on track to produce at least 530mt of steel this year.

#### **ISM PMI Update:**

After 18-consecutive months of contracting, economic activity in the US manufacturing sector expanded in August, according to a survey conducted by the Institute for Supply Management (ISM). The ISM's August purchasing managers index topped 52.9 - the highest score since June 2007, Steel Business Briefing understands. A score above 50 indicates growth in the manufacturing sector.

#### **Second US stainless pipe producer announces price hike:**

A second US pipe producer is raising prices in response to the burgeoning cost of stainless sheet. A price chart from Felker Piping Products, seen by Steel Business Briefing, shows a list price hike of approximately 7.9% on 304 stainless welded pipes. Felker's official announcement to customers stated that an increase would be effective September 1, but did not give a percentage.

#### **US imports slightly down in August:**

Based on a recent release of license data, overall steel imports into the US appear to have slightly decreased in August to about 863,500 tons from a preliminary count of 893,200 t in July. According to Census data analyzed by Steel Business Briefing, imports have declined fairly steadily since a peak last October of more than 2.8mt.

## Library



### **Types of Mold Casting:**

#### **Expendable mold casting**

1. Waste molding of plaster
2. Sand casting
3. Plaster mold casting
4. Shell molding
5. Investment casting
6. Evaporative-pattern casting
7. Lost-foam casting
8. Full-mold casting
9. Unbounded sand processes

#### **Non-expendable mold casting**

1. Permanent mold casting
2. Die casting
3. Semi-solid metal casting
4. Centrifugal casting
5. Continuous Casting

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