



# Industrial Water Plants and Projects

March 19, 2015

# Contents

## **N033 \$4700.00/yr (additional users \$100/year)**

- This on line system with electronic alerts covers North American activities broadly, European activities extensively and world activities for specific industries.
- It includes details about the water and wastewater use, the equipment which is installed. It also includes addresses and contacts including phone numbers and emails. The databases include all plants with discharges to water ways, toxic emitters, industrial boilers, refineries and other water users. NPDES permits with detailed information are supplied for industries from food to steel for the U.S.
- Updates are provided multiple times each month.
- The information is invaluable for both new projects and retrofits.
- Includes continually updated intelligence system.
- Access to prospects through webinars and Mcilvaine newsletters to prospects and other initiatives in the [4 Lane Knowledge Bridge to the End User](#)

## Use of the Service

- Local salesmen are alerted to new projects and can use the plant and other background data to make the right contacts in the right sequence.
- Regional managers can monitor the success of their local distributors and sales people.
- Sales management can coordinate the necessary effort where multiple geographies, divisions, and third party specifiers will influence a project.
- This system allows management to take a holistic approach.
- Can be used in conjunction with other Mcilvaine services to “pull” in the sales leads as well as “push” for them.

Company Name to view complete details.

## Steel - Major Dischargers - U.S.

[ACME STEEL CO.-RIVERDALE](#)  
[AK STEEL - BUTLER WORKS](#)  
[AK STEEL CORP COKE PLANT](#)  
[AK STEEL CORP WEST WORKS](#)  
[AK STEEL CORPORATION](#)  
[AK STEEL CORPORATION MANSFIELD](#)  
[AK STEEL COSHOCTON STAINLESS](#)  
[ARMCO ADVANCED MATERIALS CORP](#)  
[BETHLEHEM STEEL CORP/CONSHOHOC](#)  
[CLAIRTON WORKS](#)  
[CRUCIBLE SPECIALTY METALS](#)  
[CSC IND INC COPPERWELD STEEL C](#)  
[DBA ROCKY MOUNTAIN STEEL MILLS](#)  
[DRUMMOND COMPANY INC](#)  
[DSC-TRENTON PLANT](#)  
[DUFERCO FARRELL CORP](#)  
[FAIRFIELD WORKS](#)  
[GENEVA STEEL](#)  
[GEORGETOWN STEEL COMPANY LLC](#)  
[GULF TUBE DIV. OF VISION METAL](#)  
[HOLT BRANCH](#)  
[ISG INDIANA HARBOR, INC.](#)  
[ISG BURNS HARBOR INC.](#)  
[ISG CLEVELAND WORKS](#)  
[ISG HENNEPIN INC.](#)  
[ISG LACKAWANNA, INC](#)

- **Company Name:** BETHLEHEM STEEL CORP/CONSHOHOC
- **Address1:** CONSHOHOCKEN RD
- **Address2:**
- **City:** CONSHOHOCKEN
- **State:** PA
- **ZIP Code:** 19428
- **county:** MONTGOMERY
- 
- **Telephone Number:** 6108327133
- **Official Representative:** PAT RACICH
- **Official Representative Telephone**
- **Number:** 6108327133
- 
- **Mailing Company Name:** BETHLEHEM STEEL CORP/CONSHOHOC
- **Mailing Address1:** ATTN: PAT RACICH
- **Mailing Address2:** CONSHOHOCKEN RD
- **Mailing City:** CONSHOHOCKEN
- **Mailing State:** PA
- **Mailing ZIP Code:** 19428
- 
- **SIC Code:** 3312
- **SIC Description:** BLAST FURN/STEEL
- WORKS/ROLLING
- **Flow Rate:** 1.2
- **Industrial Classification:** P
- **Industrial Classification Description:** PRIMARY ON
- EFFLUENT LIMITATION GUIDELINES
- **Discharge:** major
- 
-

# European Steel Plants

- [A/S "Liepajas metalurģs" - Latvia](#)
- [AB Sandvik Materials Technology - Sweden](#)
- [ACCIAIERIA VALSUGANA SPA - Acciaieria Valsugana SpA - Italy](#)
- [ACCIAIERIE BERTOLI SAFAU S.P.A. - Acciaierie Bertoli Safau S.p.A. - Italy](#)
- [ACCIAIERIE DI CALVISANO S.P.A. - ACCIAIERIE DI CALVISANO SPA - Italy](#)
- [ACCIAIERIE DI SICILIA S.P.A. - ACCIAIERIE DI SICILIA SPA - Italy](#)
- [ACCIAIERIE VENETE S.P.A. - ACCIAIERIE VENETE S.p.A. STABILIMENTO DI SAREZZO - Italy](#)
- [ACERALIA PERFILES BERGARA, S.A. \(ACERALIA PERFILES BERGARA, S.A.\) - Spain](#)
- [ACERÍA COMPACTA DE BIZKAIA, S.A. \(ACERÍA COMPACTA DE BIZKAIA\) - Spain](#)
- [ACERINOX, S.A. - Spain](#)
- [ACEROS INOXIDABLES OLARRA, S.A. \(ACEROS INOXIDABLES OLARRA\) - Spain](#)
- [ACIERIE DE L'ATLANTIQUE - France](#)
- [Acroni d.o.o. - Slovenia](#)
- [AG der Dillinger Hüttenwerke - Germany](#)
- [ALFA ACCIAI SPA - ALFA ACCIAI SPA - Italy](#)
- [ALPA - France](#)
- [Alphasteel Ltd - United Kingdom](#)
- [ARCELOR ALAMBRON ZUMARRAGA, S.A. \(ARCELOR ALAMBRON ZUMARRAGA, S.A.\) - Spain](#)
- [ARCELOR CORRUGADOS AZPEITIA, S.L. \(ARCELOR CORRUGADOS AZPEITIA, S.L.\) - Spain](#)
- [ARCELOR LAMINADOS ZARAGOZA, S.A. - Spain](#)
- [ARCELOR MADRID, S. L. - Spain](#)
- [ARCELOR OLABERRIA, S.L. \(ACERALIA PERFILES OLABERRÍA, S.L.\) - Spain](#)
- [Arcelor packaging international - France](#)
- [ARCELOR PACKAGING INTERNATIONAL \(API Florange\) - France](#)
- [ARCELOR PACKAGING INTERNATIONAL ESPAÑA, S.L. \(FABRICA DE ETXEBARRI\) - Spain](#)
- [ARES Esch-Schiffange - Luxembourg](#)
- [ARES Rodange - Luxembourg](#)
- [ARVEDI TUBI ACCIAIO S.p.A. - ARVEDI TUBI ACCIAIO S.p.A. - Italy](#)
- [ASCOMETAL - France](#)
- [ASCOMETAL ALLEVARD - France](#)
- [ASCOMETAL Usine de FOS - France](#)
- [ASCOMETAL USINE D'HAGONDANGE - France](#)
- [ASO SIDERURGICA SRL - ASO SIDERURGICA SRL - Italy](#)
- [ATUSA EMPRESARIAL, S.L. \(ATUSA EMPRESARIAL, S.L.\) - Spain](#)
- [AUBERT & DUVAL - Site des Ancizes - France](#)
- [Avesta Polarit AB, Degerfors - Sweden](#)

# Corus –UK Port Talbot works , Post Code SA13 2NG, Longitude - 3.759456 latitude 51.567911

Chemical Group	Chemical	Emission Type	Thresholds Air	Thresholds Water
Metal and Compounds	As and compounds	Air	20	5
Other Organic Compounds	Benzene	Air	1000	
Metal and Compounds	Cd and compounds	Air	10	5
Environmental Themes	CH4; Methane	Air	100000	
Other Compounds	Chlorine and inorganic compounds	Air	10000	
Environmental Themes	CO; Carbon monoxide	Air	500000	
Environmental Themes	CO2; Carbon dioxide	Air	100000000	
Metal and Compounds	Cr and compounds	Air	100	50
Metal and Compounds	Cu and compounds	Air	100	50
Other Compounds	Fluorine and inorganic compounds	Air	5000	
Metal and Compounds	Hg and compounds	Air	10	1
Environmental Themes	N2O; Dinitrogenoxide	Air	10000	

# Large Industrial Boilers with Water and Wastewater Challenges

- Click on Facility Name to view complete details.
- [ADM-Peoria \(3 Unit\)](#)
- [AES Greenidge LLC \(2 Unit\)](#)
- [AES Westover \(3 Unit\)](#)
- [Akron Thermal Energy Corporation \(4 Unit\)](#)
- [Alabama River Newspring Co \(1 Unit\)](#)
- [Alcoa Inc. - Warrick Operations \(3 Unit\)](#)
- [American Crystal Sugar - Hillsboro \(2 Unit\)](#)
- [American Crystal Sugar - Moorhead \(3 Unit\)](#)
- [American Crystal Sugar Company - Crookston \(3 Unit\)](#)
- [American Crystal Sugar Company - Drayton \(1 Unit\)](#)
- [American Crystal Sugar Company - East Grand Forks \(2 Unit\)](#)
- [Andersen Corporation \(2 Unit\)](#)
- [Anheuser-Busch, Inc. St. Louis Brewery \(4 Unit\)](#)
- [Appleton \(2 Unit\)](#)
- [Appleton Coated L.L.C. - Locks Mill \(1 Unit\)](#)
- [ArcelorMittal Cleveland Inc. \(2 Unit\)](#)
- [Archer Daniels Midland Co., Location 551 \(2 Unit\)](#)
- [Archer Daniels Midland Company - Corn Processing Plant - Clinton \(3 Unit\)](#)
- [Armstrong Hardwood Flooring \(1 Unit\)](#)
- [Armstrong Hardwood Flooring Company \(1 Unit\)](#)

# Details on 30,000 boiler units

**Facility Name:** ADM-Peoria

**Address:** 1 Edmund Street

Peoria, Illinois 61602    **County:** Peoria

**Primary Contact :** Jim McQuellon Environmental Supervisor

**Telephone:** (309)669-1614

**Fax:** (309)673-7424

**Email:** jmcquellon@admworld.com

**Unit ID:** [EU-PH101](#)    *Click on Unit ID to view Emissions Data*

**Classification:** Boiler

**Year Installed:** 1932

**Capacity Mil Btu/hr:** 187

**Operating Hrs/Yr:** 8400

**Fuel:** Coal: Bituminous

**Equipment:** Electrostatic Precipitator

*Ongoing analysis to determine what each plant will do to meet the new MACT requirements. Many may have to install scrubbers and will need both air pollution and water pollution control equipment*



# Chemical Plants-California

<b>AIR PRODUCTS &amp; CHEMICALS INC</b>	<b>1969 PALOMAR OAKS WAY</b>	<b>CARLSBAD, CA 92011</b>
<b>AIR PRODUCTS &amp; CHEMICALS INC.</b>	<b>3305 E 26TH ST</b>	<b>LOS ANGELES, CA 90023</b>
<b>ALCHEM PLASTICS INC.</b>	<b>14263 GANNET PKWY</b>	<b>LA MIRADA, CA 90638</b>
<b>ALCHEM PLASTICS INC.</b>	<b>14263 GANNET ST</b>	<b>LA MIRADA, CA 90638</b>
<b>ALSHIN TIRE CORP</b>	<b>14263 GANNET ST</b>	<b>LA MIRADA, CA 90638</b>
<b>AMERICH CORP</b>	<b>13222 SATICOY ST</b>	<b>NORTH HOLLYWOOD, CA 91605</b>
<b>ANDPAK INC</b>	<b>400 JARVIS DR</b>	<b>MORGAN HILL, CA 95037</b>
<b>ARLON, MATERIALS FOR ELECTRONI CS DIV</b>	<b>9433 HYSSOP DR</b>	<b>RANCHO CUCAMONGA, CA 91730</b>
<b>ARMORCAST PRODUCTS CO</b>	<b>13230 SATICOY ST</b>	<b>NORTH HOLLYWOOD, CA 91605</b>
<b>B &amp; P MARBLE INC</b>	<b>1044 44TH AVE</b>	<b>OAKLAND, CA 94601</b>
<b>BANDAG LICENSING CORP</b>	<b>2500 THOMPSON ST</b>	<b>LONG BEACH, CA 90805</b>
<b>BEKAERT SPECIALTY FILMS LLC</b>	<b>4540 VIEWRIDGE AVE</b>	<b>SAN DIEGO, CA 92123</b>
<b>CAMBRO MANUFACTURING CO</b>	<b>PO BOX 2000</b>	<b>HUNTINGTON BEACH, CA 92647</b>

# New Project Updates

- **Chemicals**

- Wacker Expands Production Capacity for Dispersions in USA
- Entergy Louisiana to Power Expanded CF Industries Facility
- Solvay to Build Specialty Polymers PEEK-production Unit in U.S.
- BioAmber Begins Commissioning of Sarnia Commercial Plant
- Honeywell Begins Full-scale Production of Low-GWP Material

- **Pulp and Paper**

- Glatfelter Prepare Woodchip Recycling Test Project at Chillicothe, OH, Paper Mill
- Xerium Plans Expansion Strategy at Two Plants
- Neenah Paper Plans Mill Expansion
- Georgia Pacific's Palatka Mill Boosts Energy Efficiency
- KapStone to Expand in Kentucky
- CRPE Receives Environmental License for New 2.2-Million Tonne/Yr BEK Mill in Brazil

# Project Information Includes Reference Documents

- [Flint Hills Plans Refinery Upgrade and New Cogeneration Plant](#) click on this title for the full information in the intelligence system)
- Two unrelated permit actions for Flint Hills' Pine Bend Refinery: The first project is for the construction of a natural gas based combined heat and power cogeneration facility, generating up to a net 49.9 megawatts (MW) and up to 290,000 lb/hr steam production. The second project involves investments proposed by FHR to meet the Environmental Protection Agency's Tier 3 gasoline sulfur standard which becomes effective in 2017. The cogeneration plant HRSG will have natural gas-fired duct burners for supplementary heat input and contain an oxidation catalyst for reducing CO and VOC emissions, as well as an aqueous ammonia based selective catalytic

# Food Project Examples

## **Golden State Foods to Establish Meat Processing Plant in Alabama**

US-based establishment Golden State Foods is planning to establish a new meat processing facility in Opelika, Alabama.

To be located in the Northeast Opelika Industrial Park, the proposed facility will see an investment of around \$45m, and is expected to create 173 new jobs.

Headquartered in California, Golden State Foods is involved in the processing and distribution of liquid products, meat products, produce, dairy, and other services, as well as providing a variety of networked solutions for the total supply chain spectrum.

The company currently services more than 125,000 restaurants from its 45 locations on five continents.

## **Butterball to Expand Turkey Processing Operations with New Facility in NC**

Turkey products manufacturer Butterball has acquired a processing facility in Raeford, North Carolina, in a move to cater to increasing demand for Butterball turkey products.

The facility, which is spread over an area of around 200,000ft<sup>2</sup>, will see around \$30m in investment for improvements over the next 12 months.

Upon completion of the improvements, the facility will be capable of producing close to 200 million pounds of turkey products annually.

The acquisition is expected to create more than 200 local jobs initially, and more than 360 jobs over the next three years.

# Contacts at the Plants

Plant	Address	Location	Person	Title	Telephone	Email
Alamo Cement Co./ Plant 1604	Box 34807	San Antonio, TX 78265	John Henderson	Vice-Pres./ Cement Mfg.	210-208-1800	jhenderson@alamocement.com
Alamo Cement Co./ Plant 1604	Box 34807	San Antonio, TX 78265	Larry Alexander	Dir./ Envr. & Process Control	210-208-1800	lalexander@alamocement.com
Alamo Cement Co./ Plant 1604	Box 34807	San Antonio, TX 78265	Rene Chavera	Manager/ Production		rchavera@alamocement.com
Alamo Cement Co./ Plant 1604	Box 34807	San Antonio, TX 78265	Ricardo Sigaran	Plant Engineer		rsigaran@alamocement.com
Alamo Cement Co./ Plant 1604	Box 34807	San Antonio, TX 78265	Richard Mendoza	Director/Maintenance		rmendoza@alamocement.com
Alamo Cement Company-Main Office	6055 West Green Mountain Road	San Antonio, TX 78265	Allen Walsh	President & CEO		
Alamo Cement Company-Main Office	6055 West Green Mountain Road	San Antonio, TX 78265	Debbie Longoria		210-208-1800 x1940	dlongoria@alamocement.com

# Biomass Projects

**Project Title:** Renewable Energy Facility No. 2 Biogas Project

- **Location:** West Palm Beach, Palm Beach County, FL
- **Startup date:** 2015
- **Size:** 95 MW
- **Project type:** Biomass, MSW
- **Descriptions:** May 2012: Babcock & Wilcox Power Generation Group received full notice to proceed on the EPC and construction of this project for the Solid Waste Authority of Palm Beach County. B&W and its consortium partner, KBR, were awarded a \$668 million contract for design and construction. May 2011: The new plant will be located on 24 acres adjacent to the SWA's Renewable Energy Facility No. 1 existing waste-to-energy plant.

## **Contractors:**

- Babcock & Wilcox Co. Designer/EPC Constructor
- Solid Waste Authority of Palm Beach Cty. Owner
- BE&K Construction Company LLC Designer
- SCS Engineers Greenhouse Gas Reduction Plan Supplier/Energy Credit Management Systems

# Chemical Project Tracking

## **Yara and BASF to Build Ammonia Plant in Freeport, Texas**

Yara International and BASF Group have agreed to build a world-scale ammonia plant at BASF's site in Freeport, Texas. The plant will use hydrogen as raw material, reducing capital expenditures (capex), maintenance and carbon dioxide emissions significantly.

"I am very pleased to announce this highly value creating project together with BASF. The use of hydrogen as raw material reduces capex, maintenance and carbon dioxide emissions significantly. This project will further strengthen Yara's position in the global ammonia market and increase our footprint in the United States. I would like to thank BASF for putting trust in Yara and we look forward to a long and good relationship," said Torgeir Kvidal, President and CEO of Yara International.

"Through the joint investment with Yara, we can take advantage of world-scale production economics and the attractive raw material costs in the United States. We will thus strengthen our Freeport Verbund and the competitiveness of our polyamide 6 value chain in the region. We look forward to a successful partnership with Yara," said Wayne T. Smith, member of the Board of Executive Directors of BASF SE, responsible for the Chemicals segment.

The ammonia plant will be owned 68 percent by Yara and 32 percent by BASF and located on BASF's site in Freeport. The plant will have a capacity of about 750,000 metric tons per year. Each party will off-take ammonia from the plant in accordance with its equity share. Total capital investment for the plant is estimated at USD 600 million. Yara will in addition build an ammonia tank at the BASF terminal bringing Yara's total investment to USD 490 million. BASF will in addition upgrade its current terminal and pipeline assets.

The hydrogen technology reduces capex and maintenance significantly compared to a traditional natural gas based ammonia plant. The technology also allows for lower carbon dioxide emissions. A long-term supply agreement for nitrogen and hydrogen has been signed with Praxair Inc., the largest industrial gases company in North America, linking the feedstock variable cost to the advantageous natural gas prices available at the U.S. Gulf Coast.

KBR, Inc., Houston, Texas, has been awarded a fixed price turnkey contract for the engineering, procurement and construction. The plant is expected to be completed by the end of 2017. Yara will manage construction of the plant while BASF will operate the plant and the export terminal.

# Geothermal

## **Projects**

**Project Title:** Los Azufres III Power Station

**Location:** Michoacan, west of Mexico City, Mexico

**Startup date:** 2014

**Size:** 50 MW

**Project type:** Geothermal

**Descriptions:** Mitsubishi Heavy Industries received a full turnkey order from Comision Federal de Electricidad to build this plant.

### **Contractors:**

Mitsubishi Heavy

Industries Engineering/Manufacturing/Procurement/Installer/Equipment

Mitsubishi Corporation Builder

Mitsubishi Electric Corporation Generator Supplier

Comission Federal de Electricidad Developer/Power Purchaser



# Intelligence System with Organized Retrieval of Project Information

- Application
- Company/Divisions
- Corporations
- Calendar of Events
- Global Data Search
- Location
- Multiple Keyword Search
- Mcilvaine Keyword Search
- Other Subjects
- Person
- Process
- Product
- Publication
- Publication Date
- Text descriptor
- Title

# Petrochemical Project Updates

## Ineos, Sasol Break Ground on Texas HDPE Project

- INEOS Olefins & Polymers USA (INEOS) and Sasol broke ground December 5 on their much anticipated high-density polyethylene (HDPE) manufacturing joint venture at the INEOS Battleground Manufacturing Complex in La Porte, Texas.
- *Revision Date:* 1/6/2015
- *Tags:* 325110 - Petrochemical Manufacturing 石化产品生产, INEOS Olefins & Polymers, Sasol, Joint Venture, Upstream, Downstream, Investment, Bimodal Technology, Manufacture, Switzerland, South Africa, USA

## North Dakota Group, Badlands NGL Plans \$4 Bln Chemical Plant

- Badlands NGL LLC said on October 13 it will build a \$4 billion chemical plant in North Dakota to produce polyethylene, a key plastic used to make packaging, pipes and scores of other products.
- *Revision Date:* 1/5/2015
- *Tags:* 325110 - Petrochemical Manufacturing 石化产品生产, Vinmar Projects, Badlands NGL, Tecnicas Reunidas, Packaging, Pipes, Energy, Flaring Reduction, Site Selection, Investment, Construction, USA, Spain, USA

## Chemtura Expands Antioxidant Capacity for Auto Industry Demand Growth

- Chemtura Corporation has announced that three of its major production sites are now increasing capacity for its Naugalube alkylated diphenyl amine (ADPA) liquid antioxidants to prevent predicted future shortages of antioxidants in the automotive petroleum additive industry worldwide.
- *Revision Date:* 1/5/2015
- *Tags:* 325110 - Petrochemical Manufacturing 石化产品生产, Chemtura Corporation, EPA, Capacity, Standards, Shortage, Regulating, Growth, Investment, Fuel Efficiency, Consumption, Emissions Reduction, Expansion, Production, Demand, USA, Europe, Japan, USA, Canada, Italy, Taiwan

## Westlake Chemical to Add Ethylene Capacity in Lake Charles

- On October 23, Westlake

## Search Projecets by A/E

- [Bechtel-Linde Consortium to Build Large-Scale Ethylene Plant at Baytown Complex](#)
- Bechtel and Linde have been awarded a contract to design and build an ethylene plant in Texas for ExxonMobil. The plant will be built just east of Houston at the ExxonMobil Baytown Complex, one of the largest and most technologically advanced petroleum and petrochemical complexes in the world. At a capacity of 1.55 million tons of ethylene per year, the new facility will be one of the world's largest ethylene plants. Construction will begin immediately, with design and procurement of key equipment already under way.
- [Bechtel's ThruPlus® Coking Technology Selected for Croatian Refinery](#)
- [Bechtel's ThruPlus® Coking Technology to Be Used in Refinery in Mexico](#)

# Search by Location- Ontario

## Shell's Corunna Refinery Capacity Could Expand by 15,000 Barrels a Day

Shell Canada is considering expanding production capacity at its Corunna refinery by approximately 15,000 barrels of oil a day. If the expansion project is eventually approved by the company, it would take the refinery's capacity up to 95,000 barrels a day.

## Kinder Morgan to Develop \$300 Mln Products Pipeline to Ship Utica NGLs to Ontario

## Suncor Begins Planned Maintenance at Two Canadian Refineries