

2010 Gasification Database

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: 126	No. of Gasifiers: Op'g/Sp/Total 2/0/2	Gasifier Status: Operating	Start Date: Oct. 2000
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: BOC Gases	Plt. Owner Type: Industrial Gas Supply		
Plt. Operator: BOC Gases	Plant Name: Brisbane H2 Plant		
Gas'n Tech.: GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>		
Project Contact: Clyde Ikin <small>(Contact)</small>	clyde.ikin@spr.gases.boc.com <small>(Email)</small>		

Facility Information

Facility Owner: BOC Gases	Facility Name: Brisbane Industrial Gas Complex
Location: (City/State/Prov) Brisbane, Queensland	Facility Type: Gas Plant
(Country) Australia	Facility Status: Operating
(Region) Asia/Australia	

Feed/Product Information

Main Feed: Gaseous Gas <small>(Category) (Classification)</small>	Rate (MAF): <input type="text"/> <input type="text"/> <small>(mt/d) (Source)</small>
Feed1: Natural gas 15 MMscf/d	Syngas Cap.: 805,000 Gasifier licensor <small>(Nm3/d) (Source)</small>
Feed2: Ref. off-gases	Eq. IGCC Cap., MWe: 60.1 <small>(Calculated)</small>
Feed3:	
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 129.4 Estimate <small>(MWt) (Source)</small>
Product1: H2 30 MMscf/d	Syngas Output: 110.0 Gasifier licensor data <small>(MWt) (Source)</small>
Product2:	
Product3:	

Other Information

O2 Supply: Oxygen BOC Gases <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>		
Syngas Cooler: Direct water quench cooler <small>(Cooler Type) (Cooler Supplier) (MWth Duty)</small>	Soot Handling:	
Gas Cleanup: <input type="text"/> <input type="text"/> <small>(Supplier) (Process)</small>	Sulfur Removal: <input type="text"/> <input type="text"/> <small>(Supplier) (Process)</small>	
Gas Turbine: <input type="text"/> <input type="text"/> <input type="text"/> <small>(No.) (Supplier) (Model) (MWout)</small>		
HRSG: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(No.) (Supplier) (Model) (Production)</small>	Steam Turbine: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(No.) (Supplier) (Model) (MWout)</small>	
Prin. Contractor: <input type="text"/>	Engineer: Kvaerner	Constructor: <input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID: **No. of Gasifiers: Op'g/Sp/Total** / / **Gasifier Status:** **Start Date:**

Project Count: **Plt. Type:** **Project Reality:** **Application:**

Plt. Owner: **Plt. Owner Type:**

Plt. Operator: **Plant Name:**

Gas'n Tech.:
(Technology Name) (Licensor) (Technology Type)

Vendor Contact:
(Contact) (Email)

Project Contact:
(Contact) (Email)

Facility Information

Facility Owner: **Facility Name:**

Location: (City/State/Prov) **Facility Type:**

(Country) **Facility Status:**

(Region)

Feed/Product Information

Main Feed: **Rate (MAF):**
(Category) (Classification) (mt/d) (Source)

Feed1: **Syngas Cap.:**
(Nm3/d) (Source)

Feed2: **Eq. IGCC Cap., MWe:**
(Calculated)

Feed3:

Main Product: **Fuel Input:**
(Category) (MWt) (Source)

Product1: **Syngas Output:**
(MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply:
(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler: **Soot Handling:**
(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup: **Sulfur Removal:**
(Supplier) (Process) (Supplier) (Process)

Gas Turbine:
(No.) (Supplier) (Model) (MWout)

HRSG: **Steam Turbine:**
(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="436"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="2"/> / <input type="text" value=""/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="FEED"/>	Start Date:	<input type="text" value="2013"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Perdaman Chemicals and Fertilisers Pty Ltd"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Perdaman Chemicals and Fertilisers Pty Ltd"/>			Plant Name:	<input type="text" value="Perdaman"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Perdaman Chemicals and Fertilisers Pty Ltd"/>		Facility Name:	<input type="text"/>	
Location:	<input type="text"/> <small>(City/State/Prov)</small>		Facility Type:	<input type="text"/>	
	<input type="text" value="Australia"/> <small>(Country)</small>		Facility Status:	<input type="text" value="FEED"/>	
	<input type="text" value="Asia/Australia"/> <small>(Region)</small>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	Syngas Cap.:	<input type="text" value="9,400,000"/> <small>(Nm3/d)</small>	<input type="text"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="701.7"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product1:	<input type="text" value="Chemicals"/>	<input type="text"/>	Syngas Output:	<input type="text" value="1,283.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>	
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling: <input type="text"/>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>
			Steam Turbine:	<input type="text"/> <small>(No.)</small> <input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Model)</small> <input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text"/>
			Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

16-Jan-02

Key Gasifier Information

Gasifier ID:
No. of Gasifiers: Op'g/Sp/Total / /
Gasifier Status:
Start Date:

Project Count:
Plt. Type:
Project Reality:
Application:

Plt. Owner:
Plt. Owner Type:

Plt. Operator:
Plant Name:

Gas'n Tech.:

(Technology Name) (Licensor) (Technology Type)

Vendor Contact:

(Contact) (Email)

Project Contact:

(Contact) (Email)

Facility Information

Facility Owner:
Facility Name:

Location: (City/State/Prov)
Facility Type:

(Country)
Facility Status:

(Region)

Feed/Product Information

Main Feed:
Rate (MAF):

(Category) (Classification) (mt/d) (Source)

Feed1:
Syngas Cap.:

(Nm3/d) (Source)

Feed2:
Eq. IGCC Cap., MWe:

(Calculated)

Feed3:

Main Product:
Fuel Input:

(Category) (MWt) (Source)

Product1:
Syngas Output:

(MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply:

(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler:
Soot Handling:

(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup:
Sulfur Removal:

(Supplier) (Process) (Supplier) (Process)

Gas Turbine:

(No.) (Supplier) (Model) (MWout)

HRSG:
Steam Turbine:

(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor:
Engineer:
Constructor:

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="5"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1995"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Beijing No. 4 Chemical"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Beijing No. 4 Chemical"/>			Plant Name:	<input type="text" value="Beijing Oxochemicals Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Beijing No. 4 Chemical"/>	Facility Name:	<input type="text" value="Beijing Chemical Complex"/>
Location: (City/State/Prov)	<input type="text" value="Beijing"/>	Facility Type:	<input type="text" value="Chemical Plant"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Liquid"/> <small>(Category)</small>	<input type="text" value="Petroleum"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="110.0"/> <small>(mt/d)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>	
Feed1:	<input type="text" value="Heavy oil"/>	<input type="text" value="110"/>	<input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="320,000"/> <small>(Nm3/d)</small>	<input type="text" value="Gasifier licensor"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="23.9"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="53.3"/> <small>(MWt)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>	
Product1:	<input type="text" value="Oxochemicals"/>	<input type="text"/>	<input type="text"/>	Syngas Output:	<input type="text" value="43.7"/> <small>(MWt)</small>	<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>						
Syngas Cooler:	<input type="text" value="Radiant syngas cooler"/> <small>(Cooler Type)</small>		<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling:	<input type="text"/>			
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>				
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>					
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>	Steam Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text"/>		Constructor:	<input type="text"/>		

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: **No. of Gasifiers: Op'g/Sp/Total** / / **Gasifier Status:** **Start Date:**

Project Count: **Plt. Type:** **Project Reality:** **Application:**

Plt. Owner: **Plt. Owner Type:**

Plt. Operator: **Plant Name:**

Gas'n Tech.: (Technology Name) (Licensor) (Technology Type)

Vendor Contact: (Contact) (Email)

Project Contact: (Contact) (Email)

Facility Information

Facility Owner: **Facility Name:**

Location: (City/State/Prov) **Facility Type:**

(Country) **Facility Status:**

(Region)

Feed/Product Information

Main Feed: (Category) (Classification) **Rate (MAF):** (mt/d) (Source)

Feed1: (mt/d) **Syngas Cap.:** (Nm3/d) (Source)

Feed2: **Eq. IGCC Cap., MWe:** (Calculated)

Feed3:

Main Product: (Category) **Fuel Input:** (MWt) (Source)

Product1: (mt/d) **Syngas Output:** (MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply: (Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler: (Cooler Type) (Cooler Supplier) (MWth Duty) **Soot Handling:**

Gas Cleanup: (Supplier) (Process) **Sulfur Removal:** (Supplier) (Process)

Gas Turbine: (No.) (Supplier) (Model) (MWout)

HRSG: (No.) (Supplier) (Model) (Production) **Steam Turbine:** (No.) (Supplier) (Model) (MWout)

Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="8"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="3"/> / <input type="text" value="0"/> / <input type="text" value="3"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1988"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Gases"/>
Plt. Owner:	<input type="text" value="CNPC Ningxia Dayuan Refining & Chemical Ind. Co. Ltd."/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="CNPC Ningxia Dayuan Refining & Chemical Ind. Co. Ltd."/>			Plant Name:	<input type="text" value="Ningxia Syngas Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/>		<input type="text" value="GE"/>		<input type="text" value="Entrained-flow gasification"/>		
	<small>(Technology Name)</small>		<small>(Licensor)</small>		<small>(Technology Type)</small>		
Vendor Contact:	<input type="text" value="Tim Huskey"/>		<input type="text" value="timothy.huskey@ge.com"/>				
	<small>(Contact)</small>		<small>(Email)</small>				
Project Contact:	<input type="text"/>		<input type="text"/>				
	<small>(Contact)</small>		<small>(Email)</small>				

Facility Information

Facility Owner:	<input type="text" value="CNPC Ningxia Dayuan Refining & Chemical Ind. Co. Ltd."/>		Facility Name:	<input type="text" value="Ningxia Chemical Works"/>	
Location:	<input type="text" value="(City/State/Prov) Xishi District, Yinchuan, Ningxia"/>		Facility Type:	<input type="text" value="Chemical Plant"/>	
	<input type="text" value="(Country) China"/>		Facility Status:	<input type="text" value="Operating"/>	
	<input type="text" value="(Region) Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Liquid"/>	<input type="text" value="Petroleum"/>	Rate (MAF):	<input type="text" value="865.0"/>	<input type="text" value="Estimate"/>
	<small>(Category)</small>	<small>(Classification)</small>		<small>(mt/d)</small>	<small>(Source)</small>
Feed1:	<input type="text" value="Visbreaker residue"/>	<input type="text" value="1,000"/>	<input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="2,500,000"/>
					<input type="text" value="Gasifier licensor"/>
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>		<small>(Nm3/d)</small>
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="186.6"/>
					<small>(Calculated)</small>
Main Product:	<input type="text" value="Gaseous fuels"/>		Fuel Input:	<input type="text" value="416.8"/>	<input type="text" value="Estimate"/>
	<small>(Category)</small>			<small>(MWt)</small>	<small>(Source)</small>
Product1:	<input type="text" value="Gases"/>	<input type="text"/>	<input type="text" value="MMscf/d"/>	Syngas Output:	<input type="text" value="341.8"/>
Product2:	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text" value="Gasifier licensor data"/>
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		<small>(MWt)</small>
					<small>(Source)</small>

Other Information

O2 Supply:	<input type="text" value="Oxygen"/>	<input type="text"/>	<input type="text"/>
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler:	<input type="text" value="Direct water quench cooler"/>		Soot Handling:
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:
	<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>
Gas Turbine:	<input type="text" value="0"/>	<input type="text" value="N.A."/>	<input type="text" value="0"/>
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>
			<small>(MWout)</small>
HRSG:	<input type="text" value="0"/>	<input type="text" value="N.A."/>	<input type="text" value="0"/>
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Production)</small>
			<small>(Model)</small>
			<small>(MWout)</small>
Prin. Contractor:	<input type="text" value="Ube"/>		Engineer:
			<input type="text"/>
			Constructor:
			<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: **No. of Gasifiers: Op'g/Sp/Total** // **Gasifier Status:** **Start Date:**

Project Count: **Plt. Type:** **Project Reality:** **Application:**

Plt. Owner: **Plt. Owner Type:**

Plt. Operator: **Plant Name:**

Gas'n Tech.:
(Technology Name) (Licensor) (Technology Type)

Vendor Contact:
(Contact) (Email)

Project Contact:
(Contact) (Email)

Facility Information

Facility Owner: **Facility Name:**

Location: (City/State/Prov) **Facility Type:**

(Country) **Facility Status:**

(Region)

Feed/Product Information

Main Feed: **Rate (MAF):**
(Category) (Classification) (mt/d) (Source)

Feed1: **Syngas Cap.:**
(Nm3/d) (Source)

Feed2: **Eq. IGCC Cap., MWe:**
(Calculated)

Feed3:

Main Product: **Fuel Input:**
(Category) (MWt) (Source)

Product1: **Syngas Output:**
(MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply:
(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler: **Soot Handling:**
(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup: **Sulfur Removal:**
(Supplier) (Process) (Supplier) (Process)

Gas Turbine:
(No.) (Supplier) (Model) (MWout)

HRSG: **Steam Turbine:**
(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: **No. of Gasifiers: Op'g/Sp/Total** / / **Gasifier Status:** **Start Date:**

Project Count: **Plt. Type:** **Project Reality:** **Application:**

Plt. Owner: **Plt. Owner Type:**

Plt. Operator: **Plant Name:**

Gas'n Tech.:
(Technology Name) (Licensor) (Technology Type)

Vendor Contact:
(Contact) (Email)

Project Contact:
(Contact) (Email)

Facility Information

Facility Owner: **Facility Name:**

Location: (City/State/Prov) **Facility Type:**

(Country) **Facility Status:**

(Region)

Feed/Product Information

Main Feed: **Rate (MAF):**
(Category) (Classification) (mt/d) (Source)

Feed1: **Syngas Cap.:**
(Nm3/d) (Source)

Feed2: **Eq. IGCC Cap., MWe:**
(Calculated)

Feed3:

Main Product: **Fuel Input:**
(Category) (MWt) (Source)

Product1: **Syngas Output:**
(MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply:
(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler: **Soot Handling:**
(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup: **Sulfur Removal:**
(Supplier) (Process) (Supplier) (Process)

Gas Turbine:
(No.) (Supplier) (Model) (MWout)

HRSG: **Steam Turbine:**
(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

15-Sep-04

Key Gasifier Information

Gasifier ID:	12	No. of Gasifiers: Op'g/Sp/Total	3/0/3	Gasifier Status:	Operating	Start Date:	1995
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Chemicals
Plt. Owner:	Shanghai Coking & Chemical (Shanghai Pacific)			Plt. Owner Type:	Oil Refining & Chemicals		
Plt. Operator:	Shanghai Coking & Chemical (Shanghai Pacific)			Plant Name:	Shanghai Coking & Chemical		
Gas'n Tech.:	GE Gasification Technology <small>(Technology Name)</small>		GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Tim Huskey <small>(Contact)</small>		timothy.huskey@ge.com <small>(Email)</small>				
Project Contact:							

Facility Information

Facility Owner:	Shanghai Pacific Chemical Corp.	Facility Name:	Wujing Coking and Chemical Plant
Location: (City/State/Prov)	Wujing, Shanghai	Facility Type:	Chemical Plant
(Country)	China	Facility Status:	Operating
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Coal <small>(Classification)</small>	Rate (MAF):	715.0 <small>(mt/d)</small>	Estimate <small>(Source)</small>
Feed1:	Anthracite	1,500 mt/d	Syngas Cap.:	1,530,000 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:			Eq. IGCC Cap., MWe:	114.2 <small>(Calculated)</small>	
Feed3:					
Main Product:	Chemicals <small>(Category)</small>		Fuel Input:	278.9 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product1:	Methanol	mt/d	Syngas Output:	209.2 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2:	Town gas	MMscf/d			
Product3:	Acetic acid	275 mt/d			

Other Information

O2 Supply:	Oxygen <small>(Oxidant)</small>			<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler:	Direct water quench cooler <small>(Cooler Type)</small>			<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup:				Sulfur Removal:	
	<small>(Supplier)</small>	<small>(Process)</small>		<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	
Steam Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
Prin. Contractor:		Engineer:		Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	14	No. of Gasifiers: Op'g/Sp/Total	2/1/3	Gasifier Status:	Operating	Start Date:	Feb. 1996
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Chemicals
Plt. Owner:	Weihe Fertilizer Co.			Plt. Owner Type:	Oil Refining & Chemicals		
Plt. Operator:	Weihe Fertilizer Co.			Plant Name:	Shaanxi Ammonia Plant		
Gas'n Tech.:	GE Gasification Technology <small>(Technology Name)</small>		GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Tim Huskey <small>(Contact)</small>		timothy.huskey@ge.com <small>(Email)</small>				
Project Contact:							

Facility Information

Facility Owner:	Weihe Fertilizer Co.		Facility Name:	Weihe Chemical Fertilizer Plant	
Location:	(City/State/Prov)	Xian, Shaanxi	Facility Type:	Chemical Plant	
	(Country)	China	Facility Status:	Operating	
	(Region)	Asia/Australia			

Feed/Product Information

Main Feed:	Solid	Coal	Rate (MAF):	953.0	Estimate
	<small>(Category)</small>	<small>(Classification)</small>		<small>(mt/d)</small>	<small>(Source)</small>
Feed1:	Coal	1,640	Syngas Cap.:	2,040,000	Gasifier licensor
		<small>mt/d</small>		<small>(Nm3/d)</small>	<small>(Source)</small>
Feed2:			Eq. IGCC Cap., MWe:	152.3	
Feed3:				<small>(Calculated)</small>	
Main Product:	Chemicals		Fuel Input:	371.9	Estimate
	<small>(Category)</small>			<small>(MWt)</small>	<small>(Source)</small>
Product1:	Ammonia	900	Syngas Output:	278.9	Gasifier licensor data
		<small>mt/d</small>		<small>(MWt)</small>	<small>(Source)</small>
Product2:					
Product3:					

Other Information

O2 Supply:	Oxygen	Air Liquide	
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler:	Direct water quench cooler		Soot Handling:
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup:			Sulfur Removal:
	<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>
Gas Turbine:			
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>
			<small>(MWout)</small>
HRSG:			Steam Turbine:
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(No.)</small>
		<small>(Model)</small>	<small>(Supplier)</small>
		<small>(Production)</small>	<small>(Model)</small>
			<small>(MWout)</small>
Prin. Contractor:	Ube		Constructor:
Engineer:			

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	15	No. of Gasifiers: Op'g/Sp/Total	3/0/3	Gasifier Status:	Operating	Start Date:	1983
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Chemicals
Plt. Owner:	Zhenhai Refining & Chemical Co.			Plt. Owner Type:	Oil Refining & Chemicals		
Plt. Operator:	Zhenhai Refining & Chemical Co.			Plant Name:	Zhenhai Ammonia Plant		
Gas'n Tech.:	GE Gasification Technology (Technology Name)		GE (Licensor)	Entrained-flow gasification (Technology Type)			
Vendor Contact:	Tim Huskey (Contact)		timothy.huskey@ge.com (Email)				
Project Contact:							

Facility Information

Facility Owner:	Zhenhai Refining & Chemical Co.		Facility Name:	Zhenhai Refinery	
Location:	(City/State/Prov)	Ningbo, Zhejiang	Facility Type:	Refinery	
	(Country)	China	Facility Status:	Operating	
	(Region)	Asia/Australia			

Feed/Product Information

Main Feed:	Liquid (Category)	Petroleum (Classification)	Rate (MAF):	722.5 (mt/d)	Estimate (Source)
Feed1:	Visbreaker residue	900 mt/d	Syngas Cap.:	2,100,000 (Nm3/d)	Estimate (Source)
Feed2:			Eq. IGCC Cap., MWe:	156.8 (Calculated)	
Feed3:					
Main Product:	Chemicals (Category)		Fuel Input:	350.0 (MWt)	Estimate (Source)
Product1:	Ammonia	1,000 mt/d	Syngas Output:	287.1 (MWt)	Estimate (Source)
Product2:					
Product3:					

Other Information

O2 Supply:	Oxygen (Oxidant)		(ASU Supplier)		(ASU Integration)													
Syngas Cooler:	Direct water quench cooler (Cooler Type)			(Cooler Supplier)		MWth Duty	Soot Handling:											
Gas Cleanup:			(Supplier)		(Process)	Sulfur Removal:		(Supplier)		(Process)								
Gas Turbine:			(No.)		(Supplier)		(Model)		(MWout)									
HRSG:			(No.)		(Supplier)		(Model)		(Production)	Steam Turbine:		(No.)		(Supplier)		(Model)		(MWout)
Prin. Contractor:	Ube		Engineer:	Ube		Constructor:	Ube											

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="42"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="3"/> / <input type="text" value="1"/> / <input type="text" value="4"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2000"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Henan"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Henan"/>			Plant Name:	<input type="text" value="Puyang Ammonia Plant"/>		
Gas'n Tech.:	<input type="text" value="Sasol Lurgi Dry Ash Gasification Process"/>		<input type="text" value="Lurgi GmbH"/>	<input type="text" value="Moving-bed gasification"/>			
	(Technology Name)		(Licensor)	(Technology Type)			
Vendor Contact:	<input type="text" value="Claus Greil"/>		<input type="text" value="claus_greil@lurgi.de"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="Henan"/>	Facility Name:	<input type="text" value="Puyang Chemical Fertilizer Plant"/>
Location: (City/State/Prov)	<input type="text" value="Puyang"/>	Facility Type:	<input type="text" value="Chemical Plant"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/>	<input type="text" value="Coal"/>	Rate (MAF):	<input type="text" value="1,000.0"/>	<input type="text" value="Estimate"/>
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Anthracite"/>	<input type="text" value="1,200"/>	<input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="2,282,492"/>
					(Nm3/d) Estimate
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="170.4"/>
					(Calculated)
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/>		Fuel Input:	<input type="text" value="367.1"/>	<input type="text" value="Estimate"/>
	(Category)			(MWt)	(Source)
Product1:	<input type="text" value="Ammonia"/>	<input type="text"/>	<input type="text" value="mt/d"/>	Syngas Output:	<input type="text" value="312.0"/>
					(MWt) Estimate
Product2:	<input type="text"/>	<input type="text"/>	<input type="text"/>		(MWt) (Source)
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		

Other Information

O2 Supply:	<input type="text" value="Oxygen"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text" value="Lurgi Oel•Gas•Chemie GmbH"/>	<input type="text" value="Rectisol"/>	Sulfur Removal:
	(Supplier)	(Process)	<input type="text" value="Lurgi Oel•Gas•Chemie Gm"/>
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (Production)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:	122	No. of Gasifiers: Op'g/Sp/Total	2/ 0/ 2	Gasifier Status:	Operating	Start Date:	May 2002
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Chemicals
Plt. Owner:	Nanjing Chemical Industry Co.			Plt. Owner Type:	Oil Refining & Chemicals		
Plt. Operator:	Nanjing Chemical Industry Co.			Plant Name:	Nanjing Ammonia Plant		
Gas'n Tech.:	GE Gasification Technology <small>(Technology Name)</small>		GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Tim Huskey <small>(Contact)</small>		timothy.huskey@ge.com <small>(Email)</small>				
Project Contact:	Guido Collodi <small>(Contact)</small>		guido.collodi@snamprogetti.eni.it <small>(Email)</small>				

Facility Information

Facility Owner:	Nanjing Chemical Industry Co.	Facility Name:	Nanjing Chemical Plant
Location: (City/State/Prov)	Nanjing, Jiangsu	Facility Type:	Chemical Plant
(Country)	China	Facility Status:	Operating
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Liquid <small>(Category)</small>	Petroleum <small>(Classification)</small>	Rate (MAF):	769.0 <small>(mt/d)</small>	Estimate <small>(Source)</small>
Feed1:	Eureka pitch	385 mt/d	Syngas Cap.:	2,200,000 <small>(Nm3/d)</small>	Gasifier contractor <small>(Source)</small>
Feed2:	Vacuum residue oil	385 mt/d	Eq. IGCC Cap., MWe:	164.2 <small>(Calculated)</small>	
Feed3:					
Main Product:	Chemicals <small>(Category)</small>		Fuel Input:	346.0 <small>(MWt)</small>	Gasifier contractor <small>(Source)</small>
Product1:	Ammonia	1,000 mt/d	Syngas Output:	300.8 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product2:					
Product3:					

Other Information

O2 Supply:	Oxygen <small>(Oxidant)</small>	Air Products & Chemicals, Inc. <small>(ASU Supplier)</small>	N2 feeds NH3 prod'n <small>(ASU Integration)</small>		
Syngas Cooler:	Direct water quench cooler <small>(Cooler Type)</small>				Soot Handling: Flash & filtration
Gas Cleanup:	Linde AG <small>(Supplier)</small>	Rectisol <small>(Process)</small>	Sulfur Removal:		Outside Battery Limits <small>(Process)</small>
Gas Turbine:					
HRSG:					
Prin. Contractor:	Snamprogetti		Engineer:	Snamprogetti	
			Constructor:	Nanjing Chemical Industry Co.	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="184"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2003"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Jilin Chemical Industrial Corp."/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Jilin Chemical Industrial Corp."/>			Plant Name:	<input type="text" value="Jilin Ammonia Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/>		<input type="text" value="GE"/>	<input type="text" value="Entrained-flow gasification"/>			
	<small>(Technology Name)</small>		<small>(Licensor)</small>	<small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/>		<input type="text" value="timothy.huskey@ge.com"/>				
	<small>(Contact)</small>		<small>(Email)</small>				
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Jilin Chemical Industrial Corp."/>		Facility Name:	<input type="text" value="Jilin Chemical Plant"/>	
Location:	<input type="text" value="Jilin"/>		Facility Type:	<input type="text" value="Chemical Plant"/>	
	<small>(City/State/Prov)</small>				
	<input type="text" value="China"/>		Facility Status:	<input type="text" value="Operating"/>	
	<small>(Country)</small>				
	<input type="text" value="Asia/Australia"/>				
	<small>(Region)</small>				

Feed/Product Information

Main Feed:	<input type="text" value="Liquid"/>	<input type="text" value="Petroleum"/>	Rate (MAF):	<input type="text" value="739.5"/>	<input type="text" value="Estimate"/>
	<small>(Category)</small>	<small>(Classification)</small>		<small>(mt/d)</small>	<small>(Source)</small>
Feed1:	<input type="text" value="Visbreaker residue"/>	<input type="text" value="740"/>	<input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="2,096,500"/>
					<small>(Nm3/d)</small>
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="156.5"/>
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		<small>(Calculated)</small>
Main Product:	<input type="text" value="Chemicals"/>		Fuel Input:	<input type="text" value="358.3"/>	<input type="text" value="Estimate"/>
	<small>(Category)</small>			<small>(MWt)</small>	<small>(Source)</small>
Product1:	<input type="text" value="Ammonia"/>	<input type="text" value="1,000"/>	<input type="text" value="mt/d"/>	Syngas Output:	<input type="text" value="286.6"/>
Product2:	<input type="text"/>	<input type="text"/>	<input type="text"/>		<small>(MWt)</small>
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		<small>(Source)</small>

Other Information

O2 Supply:	<input type="text" value="Oxygen"/>	<input type="text" value="Linde AG"/>	<input type="text"/>		
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>		
Syngas Cooler:	<input type="text" value="Direct water quench cooler"/>		<input type="text"/>	<input type="text"/>	Soot Handling:
	<small>(Cooler Type)</small>		<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>	
Gas Cleanup:	<input type="text" value="Unspecified vendor"/>	<input type="text" value="Rectisol"/>	Sulfur Removal:		
	<small>(Supplier)</small>	<small>(Process)</small>	<input type="text"/>		
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Steam Turbine:
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<input type="text"/>
					<small>(No.)</small>
					<small>(Supplier)</small>
					<small>(Model)</small>
					<small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text" value="Linde Impianti Italia SpA"/>	Constructor:
					<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="185"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="3"/> / <input type="text" value="0"/> / <input type="text" value="3"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="Aug 2000"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Huainan General Chemical Works"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Huainan General Chemical Works"/>			Plant Name:	<input type="text" value="Hefei City Ammonia Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Huainan General Chemical Works"/>	Facility Name:	<input type="text" value="Hefei City Chemical Plant"/>
Location: (City/State/Prov)	<input type="text" value="Hefei City, Anhui"/>	Facility Type:	<input type="text" value="Chemical Plant"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <input type="text" value="Coal"/> <small>(Category) (Classification)</small>	Rate (MAF):	<input type="text" value="655.0"/> <input type="text" value="Estimate"/> <small>(mt/d) (Source)</small>
Feed1:	<input type="text" value="Coal"/> <input type="text" value="898"/> <input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="1,400,000"/> <input type="text" value="Gasifier licensor"/> <small>(Nm3/d) (Source)</small>
Feed2:	<input type="text"/> <input type="text"/> <input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="104.5"/> <small>(Calculated)</small>
Feed3:	<input type="text"/> <input type="text"/> <input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>	Fuel Input:	<input type="text" value="255.2"/> <input type="text" value="Estimate"/> <small>(MWt) (Source)</small>
Product1:	<input type="text" value="Ammonia"/> <input type="text" value="667"/> <input type="text" value="mt/d"/>	Syngas Output:	<input type="text" value="191.4"/> <input type="text" value="Gasifier licensor data"/> <small>(MWt) (Source)</small>
Product2:	<input type="text"/> <input type="text"/> <input type="text"/>		
Product3:	<input type="text"/> <input type="text"/> <input type="text"/>		

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler:	<input type="text" value="Direct water quench cooler"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal: <input type="text"/> <small>(Supplier) (Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
	<input type="text"/> <small>(MWout)</small>		
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
	<input type="text"/> <small>(Production)</small>	Steam Turbine: <input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>
			<input type="text"/> <small>(Model)</small>
			<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text" value="Ube"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

02-Mar-99

Key Gasifier Information

Gasifier ID: <input type="text" value="224"/>	No. of Gasifiers: Op'g/Sp/Total <input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status: <input type="text" value="Operating"/>	Start Date: <input type="text" value="1987"/>
Project Count: <input type="text" value="1"/>	Plt. Type: <input type="text" value="Commercial"/>	Project Reality: <input type="text" value="Active-Real"/>	Application: <input type="text" value="Syngas for Chemicals"/>
Plt. Owner: <input type="text" value="Qilu Petrochemical Ind."/>	Plt. Owner Type: <input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator: <input type="text" value="Qilu Petrochemical Ind."/>	Plant Name: <input type="text" value="Zibu Methanol/Oxochemicals Plant"/>		
Gas'n Tech.: <input type="text" value="Shell Gasification Process"/>	<input type="text" value="Shell"/>	<input type="text" value="Entrained-flow gasification"/>	
	<small>(Technology Name)</small>	<small>(Licensor)</small>	<small>(Technology Type)</small>
Vendor Contact: <input type="text" value="Jim Volk"/>	<input type="text" value="jim.volk@shell.com"/>		
	<small>(Contact)</small>	<small>(Email)</small>	
Project Contact: <input type="text"/>	<input type="text"/>		
	<small>(Contact)</small>	<small>(Email)</small>	

Facility Information

Facility Owner: <input type="text" value="Qilu Petrochemical Ind."/>	Facility Name: <input type="text" value="Zibu Chemical Plant"/>
Location: (City/State/Prov) <input type="text" value="Zibu, Shandong"/>	Facility Type: <input type="text" value="Chemical Plant"/>
(Country) <input type="text" value="China"/>	Facility Status: <input type="text" value="Operating"/>
(Region) <input type="text" value="Asia/Australia"/>	

Feed/Product Information

Main Feed: <input type="text" value="Liquid"/>	<input type="text" value="Petroleum"/>	Rate (MAF): <input type="text" value="245.9"/>	<input type="text" value="Estimate"/>
	<small>(Classification)</small>	<small>(mt/d)</small>	<small>(Source)</small>
Feed1: <input type="text" value="Vac. residue"/>	<input type="text" value="246"/>	<input type="text" value="mt/d"/>	Syngas Cap.: <input type="text" value="715,000"/>
Feed2: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Nm3/d)</small>
Feed3: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Source)</small>
Main Product: <input type="text" value="Chemicals"/>	Fuel Input: <input type="text" value="119.1"/>		
<small>(Category)</small>	<small>(MWt) (Source)</small>		
Product1: <input type="text" value="Methanol"/>	<input type="text"/>	<input type="text" value="mt/d"/>	Syngas Output: <input type="text" value="97.7"/>
Product2: <input type="text" value="Oxochemicals"/>	<input type="text"/>	<input type="text" value="mt/d"/>	<small>(MWt) (Source)</small>
Product3: <input type="text"/>	<input type="text"/>	<input type="text"/>	

Other Information

O2 Supply: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler: <input type="text" value="Fire-tube boiler"/>	<input type="text"/>	<input type="text"/>
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup: <input type="text"/>	<input type="text"/>	Sulfur Removal: <input type="text"/>
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier) (Process)</small>
Gas Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model) (MWout)</small>
HRSG: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model) (Production)</small>
	Steam Turbine: <input type="text"/>	<input type="text"/>
	<small>(No.)</small>	<small>(Supplier) (Model) (MWout)</small>
Prin. Contractor: <input type="text" value="Lurgi GmbH"/>	Engineer: <input type="text"/>	Constructor: <input type="text" value="Lurgi GmbH"/>

Gasification Database Gasification Plant Report

Date Modified:

16-Jan-02

Key Gasifier Information

Gasifier ID: 227	No. of Gasifiers: Op'g/Sp/Total 2/0/2	Gasifier Status: Operating	Start Date: 1996
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Inner Mongolia Fertilizer Co.	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Inner Mongolia Fertilizer Co.	Plant Name: Hohhot Ammonia Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: Inner Mongolia Fertilizer Co.	Facility Name: Hohhot Fertilizer Plant
Location: (City/State/Prov) Hohhot, Inner Mongolia	Facility Type: Chemical Plant
(Country) China	Facility Status: Operating
(Region) Asia/Australia	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 725.0 <small>(mt/d)</small>	Estimate <small>(Source)</small>
Feed1: Vac. residue 672 mt/d	Syngas Cap.: 2,100,000 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 156.8 <small>(Calculated)</small>	
Feed3:		
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 350.1 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product1: Ammonia mt/d	Syngas Output: 287.1 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2:		
Product3:		

Other Information

O2 Supply:			
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>	
Syngas Cooler: Fire-tube boiler <small>(Cooler Type)</small>		<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup: Lurgi Oel•Gas•Chemie GmbH <small>(Supplier)</small>	Rectisol <small>(Process)</small>	Sulfur Removal:	
		<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:			
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
HRSG:			
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>
		Steam Turbine:	
		<small>(No.)</small>	<small>(Supplier)</small>
			<small>(Model)</small>
			<small>(MWout)</small>
Prin. Contractor:	Engineer:	Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

11-Feb-05

Key Gasifier Information

Gasifier ID: 228	No. of Gasifiers: Op'g/Sp/Total 2/0/2	Gasifier Status: Operating	Start Date: 1998
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Lanzhou Chemical Industrial Co.	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Lanzhou Chemical Industrial Co.	Plant Name: Lanzhou Ammonia Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: Lanzhou Chemical Industrial Co.	Facility Name: Lanzhou Chemical Plant
Location: (City/State/Prov) Lanzhou, Gansu	Facility Type: Chemical Plant
(Country) China	Facility Status: Operating
(Region) Asia/Australia	

Feed/Product Information

Main Feed: Gaseous Gas <small>(Category) (Classification)</small>	Rate (MAF): <small>(mt/d) (Source)</small>
Feed1: Natural Gas 700 mt/d	Syngas Cap.: 2,100,000 Gasifier licensor <small>(Nm3/d) (Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 156.8 <small>(Calculated)</small>
Feed3:	
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 350.1 Gasifier licensor data <small>(MWt) (Source)</small>
Product1: Ammonia mt/d	Syngas Output: 287.1 Gasifier licensor data <small>(MWt) (Source)</small>
Product2:	
Product3:	

Other Information

O2 Supply:			
<small>(Oxidant) (ASU Supplier) (ASU Integration)</small>			
Syngas Cooler: Fire-tube boiler <small>(Cooler Type)</small>			Soot Handling:
<small>(Cooler Supplier) (MWth Duty)</small>			
Gas Cleanup: Lurgi Oel•Gas•Chemie GmbH <small>(Supplier)</small>	Rectisol <small>(Process)</small>	Sulfur Removal:	
		<small>(Supplier) (Process)</small>	
Gas Turbine:			
<small>(No.) (Supplier) (Model) (MWout)</small>			
HRSG:			Steam Turbine:
<small>(No.) (Supplier) (Model) (Production)</small>			<small>(No.) (Supplier) (Model) (MWout)</small>
Prin. Contractor:	Engineer:	Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

16-Jan-02

Key Gasifier Information

Gasifier ID: 229	No. of Gasifiers: Op'g/Sp/Total 2/0/2	Gasifier Status: Operating	Start Date: 1996
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Juijiang Petrochemical Co.	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Juijiang Petrochemical Co.	Plant Name: Juijiang Ammonia Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: Juijiang Petrochemical Co.	Facility Name: Juijiang Fertilizer Plant
Location: (City/State/Prov) Juijiang, Jiangxi	Facility Type: Chemical Plant
(Country) China	Facility Status: Operating
(Region) Asia/Australia	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 725.0 Estimate <small>(mt/d) (Source)</small>
Feed1: Vac. residue 672 mt/d	Syngas Cap.: 2,100,000 Gasifier licensor <small>(Nm3/d) (Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 156.8 <small>(Calculated)</small>
Feed3:	
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 350.1 Gasifier licensor data <small>(MWt) (Source)</small>
Product1: Ammonia mt/d	Syngas Output: 287.1 Gasifier licensor data <small>(MWt) (Source)</small>
Product2:	
Product3:	

Other Information

O2 Supply:			
<small>(Oxidant) (ASU Supplier) (ASU Integration)</small>			
Syngas Cooler: Fire-tube boiler <small>(Cooler Type)</small>			Soot Handling:
<small>(Cooler Supplier) (MWth Duty)</small>			
Gas Cleanup: Lurgi Oel•Gas•Chemie GmbH <small>(Supplier)</small>	Rectisol <small>(Process)</small>	Sulfur Removal:	
		<small>(Supplier) (Process)</small>	
Gas Turbine:			
<small>(No.) (Supplier) (Model) (MWout)</small>			
HRSG:			Steam Turbine:
<small>(No.) (Supplier) (Model) (Production)</small>			<small>(No.) (Supplier) (Model) (MWout)</small>
Prin. Contractor:		Engineer:	Constructor:

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="335"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2006"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Sinopec/Shell"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Sinopec/Shell"/>			Plant Name:	<input type="text" value="Dong Ting Ammonia Plant"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/>		<input type="text" value="Shell"/>		<input type="text" value="Entrained-flow gasification"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Jim Volk"/>		<input type="text" value="jim.volk@shell.com"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="Sinopec"/>	Facility Name:	<input type="text" value="Dong Ting Fertilizer Plant"/>
Location: (City/State/Prov)	<input type="text" value="Yueyang, Hunan"/>	Facility Type:	<input type="text" value="Chemical Plant"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <input type="text" value="Coal"/>	Rate (MAF):	<input type="text" value="1,500.0"/>	Gasifier licensor data
	(Category) (Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/> <input type="text" value="2,000"/> <input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="3,410,000"/>	Gasifier licensor
Feed2:	<input type="text"/>		(Nm3/d)	(Source)
Feed3:	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="254.6"/>	(Calculated)
Main Product:	<input type="text" value="Chemicals"/>	Fuel Input:	<input type="text" value="582.7"/>	Gasifier licensor data
	(Category)		(MWt)	(Source)
Product1:	<input type="text" value="Ammonia"/> <input type="text" value=""/> <input type="text" value="mt/d"/>	Syngas Output:	<input type="text" value="466.2"/>	Gasifier licensor data
Product2:	<input type="text"/>		(MWt)	(Source)
Product3:	<input type="text"/>			

Other Information

O2 Supply:	<input type="text" value="Oxygen"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text" value="Fire-tube boiler"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Supplier)	(Process)	Sulfur Removal: <input type="text"/>
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (Production)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="364"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2006"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Shuanghuan Chemical"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Shuanghuan Chemical"/>			Plant Name:	<input type="text" value="Yinchenge Chemical"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Shuanghuan Chemical"/>		Facility Name:	<input type="text"/>	
Location: (City/State/Prov)	<input type="text" value="Yingcheng, Hubei"/>		Facility Type:	<input type="text"/>	
(Country)	<input type="text" value="China"/>		Facility Status:	<input type="text" value="Operating"/>	
(Region)	<input type="text" value="Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="0.0"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text" value="900 t/d"/>	Syngas Cap.:	<input type="text" value="1,320,000"/> <small>(Nm3/d)</small>	<input type="text"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text" value="0"/>	Eq. IGCC Cap., MWe:	<input type="text" value="98.5"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text" value="0"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="0.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product1:	<input type="text"/>	<input type="text" value="0"/>	Syngas Output:	<input type="text" value="197.0"/> <small>(MWt)</small>	<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text" value="0"/>			
Product3:	<input type="text"/>	<input type="text" value="0"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>	
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text" value="0"/> <small>(MWth Duty)</small>	Soot Handling: <input type="text"/>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
HRSG:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>
Steam Turbine:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text" value="0"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text"/>
			Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="367"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2005"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text"/>
Plt. Owner:	<input type="text" value="Sinopec"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Sinopec"/>			Plant Name:	<input type="text" value="Sinopec, Zhijiang"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Sinopec"/>	Facility Name:	<input type="text"/>
Location: (City/State/Prov)	<input type="text" value="Zhijiang, Hubei"/>	Facility Type:	<input type="text"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="0.0"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text" value="2,000 t/d"/>	Syngas Cap.:	<input type="text"/>	<input type="text"/> <small>(Nm3/d) (Source)</small>
Feed2:	<input type="text"/>	<input type="text" value="0"/>	Eq. IGCC Cap., MWe:	<input type="text" value="0.0"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text" value="0"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="0.0"/> <small>(MWt) (Source)</small>	
Product1:	<input type="text"/>	<input type="text" value="0"/>	Syngas Output:	<input type="text" value="273.4"/> <small>(MWt) (Source)</small>	<input type="text" value="Gasifier licensor data"/>
Product2:	<input type="text"/>	<input type="text" value="0"/>			
Product3:	<input type="text"/>	<input type="text" value="0"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text" value="0"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal: <input type="text"/> <small>(Supplier) (Process)</small>
Gas Turbine:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Model)</small>
		<input type="text"/> <small>(MWout)</small>	
HRSG:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Model)</small>
		<input type="text"/> <small>(Production)</small>	<input type="text" value="0"/> <small>(MWout)</small>
Steam Turbine:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
		<input type="text"/> <small>(MWout)</small>	
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="375"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2005"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text"/>
Plt. Owner:	<input type="text" value="Liuzhou Chemical Industry Corp. Ltd."/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Liuzhou Chemical Industry Corp. Ltd."/>			Plant Name:	<input type="text" value="Liuzhou, Guanxi, PRC"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/>		<input type="text" value="Shell"/>		<input type="text" value="Entrained-flow gasification"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Jim Volk"/>		<input type="text" value="jim.volk@shell.com"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="Liuzhou Chemicals"/>	Facility Name:	<input type="text"/>
Location: (City/State/Prov)	<input type="text" value="Liuzhou, Guanxi"/>	Facility Type:	<input type="text" value="Chemical Plant"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Coal"/>	Rate (MAF):	<input type="text" value="0.0"/>	<input type="text"/>
	(Category) (Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/>	<input type="text" value="1,200"/>	<input type="text" value="mt/d"/>	Syngas Cap.:
Feed2:	<input type="text" value=""/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text" value="1,720,000"/>
Feed3:	<input type="text" value=""/>	<input type="text" value="0"/>	<input type="text"/>	(Nm3/d) (Source)
				Eq. IGCC Cap., MWe:
				<input type="text" value="128.4"/>
				(Calculated)
Main Product:	<input type="text" value="Chemicals"/>		Fuel Input:	<input type="text" value="320.0"/>
	(Category)			(MWt) (Source)
Product1:	<input type="text" value="Ammonia"/>	<input type="text" value="0"/>	Syngas Output:	<input type="text" value="256.0"/>
Product2:	<input type="text" value=""/>	<input type="text" value="0"/>		(MWt) (Source)
Product3:	<input type="text" value=""/>	<input type="text" value="0"/>		

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text" value="0"/>	Soot Handling:
	(Cooler Type)	(Cooler Supplier) (MWth Duty)	<input type="text"/>
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:
	(Supplier)	(Process)	<input type="text"/>
Gas Turbine:	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
	(No.) (Supplier)	(Model) (MWout)	
HRSG:	<input type="text" value="0"/>	<input type="text" value="0"/>	Steam Turbine:
	(No.) (Supplier)	(Model) (Production)	<input type="text" value="0"/>
			(No.) (Supplier) (Model) (MWout)
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="377"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2006"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Sinopec"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Sinopec"/>			Plant Name:	<input type="text" value="Sinopec, Anqing"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Anqing Sinopec"/>	Facility Name:	<input type="text"/>
Location:	<input type="text" value="Anqing, Hubei"/> <small>(City/State/Prov)</small>	Facility Type:	<input type="text" value="Chemical Plant"/>
	<input type="text" value="China"/> <small>(Country)</small>	Facility Status:	<input type="text" value="Operating"/>
	<input type="text" value="Asia/Australia"/> <small>(Region)</small>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="0.0"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text" value="2,000"/>	<input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="3,410,000"/> <small>(Nm3/d)</small>
Feed2:	<input type="text"/>	<input type="text" value="0"/>		Eq. IGCC Cap., MWe:	<input type="text" value="254.6"/> <small>(Calculated)</small>
Feed3:	<input type="text"/>	<input type="text" value="0"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="636.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product1:	<input type="text" value="Ammonia"/>	<input type="text" value="0"/>	Syngas Output:	<input type="text" value="509.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text" value="0"/>			
Product3:	<input type="text"/>	<input type="text" value="0"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text" value="0"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:
	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	<input type="text"/> <small>(Supplier)</small>
Gas Turbine:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Model)</small>
	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text" value="0"/> <small>(MWout)</small>
HRSG:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Production)</small>
	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Model)</small>
	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text" value="0"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="378"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2007"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text"/>
Plt. Owner:	<input type="text" value="Dahua Chemicals"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Dahua Chemicals"/>			Plant Name:	<input type="text" value="Dahua Chemicals, Dalian"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Dahua Chemicals"/>		Facility Name:	<input type="text"/>	
Location:	<input type="text" value="(City/State/Prov) Dalian, Liaoning"/>		Facility Type:	<input type="text" value="Chemical Plant"/>	
	<input type="text" value="(Country) China"/>		Facility Status:	<input type="text" value="Operating"/>	
	<input type="text" value="(Region) Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Coal"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="0.0"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text" value="1,100"/>	<input type="text" value="1,700,000"/> <small>(Nm3/d)</small>		<input type="text"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text" value="0"/>	Eq. IGCC Cap., MWe: <input type="text" value="126.9"/> <small>(Calculated)</small>		
Feed3:	<input type="text"/>	<input type="text" value="0"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="0.0"/> <small>(MWt) (Source)</small>	
Product1:	<input type="text" value="Methanol"/>	<input type="text" value="0"/>	Syngas Output:	<input type="text" value="232.0"/> <small>(MWt) (Source)</small>	
Product2:	<input type="text"/>	<input type="text" value="0"/>			
Product3:	<input type="text"/>	<input type="text" value="0"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>		
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text" value="0"/> <small>(MWth Duty)</small>	Soot Handling: <input type="text"/>	
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Model)</small>	<input type="text" value="0"/> <small>(MWout)</small>	
HRSG:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Model)</small>	<input type="text" value="0"/> <small>(Production)</small>	Steam Turbine:
					<input type="text" value="0"/> <small>(No.)</small>
					<input type="text"/> <small>(Supplier)</small>
					<input type="text"/> <small>(Model)</small>
					<input type="text" value="0"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text"/>	
			Constructor:	<input type="text"/>	

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="379"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2007"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text"/>
Plt. Owner:	<input type="text" value="Yuntianhua Chemicals"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Yuntianhua Chemicals"/>			Plant Name:	<input type="text" value="Yuntianhua Chemicals, Anning"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Yuntianhua Chemicals"/>		Facility Name:	<input type="text"/>	
Location:	<input type="text" value="(City/State/Prov) Anning, Yunnan"/>		Facility Type:	<input type="text" value="Chemical Plant"/>	
	<input type="text" value="(Country) China"/>		Facility Status:	<input type="text" value="Operating"/>	
	<input type="text" value="(Region) Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Coal"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="0.0"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text" value="2,700"/>	<input type="text" value="mt/d"/>		Syngas Cap.:
Feed2:	<input type="text"/>	<input type="text" value="0"/>	<input type="text"/>		<input type="text" value="3,400,000"/> <small>(Nm3/d)</small>
Feed3:	<input type="text"/>	<input type="text" value="0"/>	<input type="text"/>		<input type="text"/> <small>(Source)</small>
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="0.0"/> <small>(MWt) (Source)</small>	
Product1:	<input type="text" value="Ammonia"/>	<input type="text" value="0"/>	<input type="text"/>		Syngas Output:
Product2:	<input type="text"/>	<input type="text" value="0"/>	<input type="text"/>		<input type="text" value="465.0"/> <small>(MWt) (Source)</small>
Product3:	<input type="text"/>	<input type="text" value="0"/>	<input type="text"/>		<input type="text"/> <small>(Calculated)</small>

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text" value="0"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:
	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	<input type="text"/> <small>(Supplier)</small>
Gas Turbine:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Model)</small>
	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(MWout)</small>
HRSG:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Model)</small>
	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:
	<input type="text"/>		Constructor:
	<input type="text"/>		<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="380"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2007"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text"/>
Plt. Owner:	<input type="text" value="Yunzhanhua Chemicals"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Yunzhanhua Chemicals"/>			Plant Name:	<input type="text" value="Yunzhanhua Chemicals, Huashan"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Yunzhanhua Chemicals"/>		Facility Name:	<input type="text"/>	
Location:	<input type="text" value="Huashan, Yunnan"/> <small>(City/State/Prov)</small>		Facility Type:	<input type="text" value="Chemical Plant"/>	
	<input type="text" value="China"/> <small>(Country)</small>		Facility Status:	<input type="text" value="Operating"/>	
	<input type="text" value="Asia/Australia"/> <small>(Region)</small>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="0.0"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text" value="2,700"/>	<input type="text" value="mt/d"/>		Syngas Cap.:
Feed2:	<input type="text"/>	<input type="text" value="0"/>	<input type="text"/>		<input type="text" value="3,400,000"/> <small>(Nm3/d)</small>
Feed3:	<input type="text"/>	<input type="text" value="0"/>	<input type="text"/>		<input type="text"/> <small>(Source)</small>
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="0.0"/> <small>(MWt)</small>	
Product1:	<input type="text" value="Ammonia"/>	<input type="text" value="0"/>	<input type="text"/>		<input type="text" value="253.8"/> <small>(Calculated)</small>
Product2:	<input type="text"/>	<input type="text" value="0"/>	<input type="text"/>		<input type="text"/> <small>(Source)</small>
Product3:	<input type="text"/>	<input type="text" value="0"/>	<input type="text"/>		<input type="text"/> <small>(Source)</small>

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>		
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text" value="0"/> <small>(MWth Duty)</small>	Soot Handling: <input type="text"/>	
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text" value="0"/> <small>(MWout)</small>	
HRSG:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text" value="0"/> <small>(Production)</small>	Steam Turbine:
					<input type="text" value="0"/> <small>(No.)</small>
					<input type="text"/> <small>(Supplier)</small>
					<input type="text"/> <small>(Model)</small>
					<input type="text" value="0"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text"/>	
			Constructor:	<input type="text"/>	

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	381	No. of Gasifiers: Op'g/Sp/Total	2/ 0/ 2	Gasifier Status:	Operating	Start Date:	2008
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	
Plt. Owner:	Shenhua			Plt. Owner Type:			
Plt. Operator:	Shenhua			Plant Name:	Shenhua, Majiata		
Gas'n Tech.:	Shell Gasification Process <small>(Technology Name)</small>		Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Jim Volk <small>(Contact)</small>		jim.volk@shell.com <small>(Email)</small>				
Project Contact:							
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	Shenhua	Facility Name:	
Location: (City/State/Prov)	Majiata, Inner Mongolia	Facility Type:	Chemical Plant
(Country)	China	Facility Status:	Operating
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Coal <small>(Category)</small>	Rate (MAF):	0.0 <small>(mt/d)</small>				
Feed1:	Coal	4,500	mt/d	Syngas Cap.:	6,300,000		
Feed2:		0			<small>(Nm3/d)</small>	<small>(Source)</small>	
Feed3:		0		Eq. IGCC Cap., MWe:	470.3		
					<small>(Calculated)</small>		
Main Product:	Motor Fuels <small>(Category)</small>			Fuel Input:	0.0 <small>(MWt) (Source)</small>		
Product1:	Direct coal liquefacti	0		Syngas Output:	861.0 <small>(MWt) (Source)</small>		
Product2:		0					
Product3:		0					

Other Information

O2 Supply:					
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>		
Syngas Cooler:			0	Soot Handling:	
	<small>(Cooler Type)</small>		<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>	
Gas Cleanup:			Sulfur Removal:		
	<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>	<small>(Process)</small>	
Gas Turbine:	0		0		
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:	0		0	Steam Turbine:	0
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(No.)</small>
		<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
Prin. Contractor:			Engineer:		
	<small>(Contact)</small>			<small>(Contact)</small>	

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	382	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	2007
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	
Plt. Owner:	Yongcheng Chemicals			Plt. Owner Type:			
Plt. Operator:	Yongcheng Chemicals			Plant Name:			
Gas'n Tech.:	Shell Gasification Process <small>(Technology Name)</small>		Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Jim Volk <small>(Contact)</small>		jim.volk@shell.com <small>(Email)</small>				
Project Contact:							
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	Yongcheng Chemicals	Facility Name:	
Location: (City/State/Prov)	Yongcheng, Henan	Facility Type:	Chemical Plant
(Country)	China	Facility Status:	Operating
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Coal	Rate (MAF):	0.0		
	<small>(Category)</small>	<small>(Classification)</small>	<small>(mt/d)</small>	<small>(Source)</small>	
Feed1:	Coal	2,150	mt/d	Syngas Cap.:	3,100,000
Feed2:		0			<small>(Nm3/d)</small>
Feed3:		0		Eq. IGCC Cap., MWe:	231.4
					<small>(Calculated)</small>
Main Product:	Chemicals		Fuel Input:	0.0	
	<small>(Category)</small>			<small>(MWt)</small>	
Product1:	Methanol	0	Syngas Output:	424.0	
Product2:		0		<small>(MWt)</small>	
Product3:		0		<small>(Source)</small>	

Other Information

O2 Supply:					
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>		
Syngas Cooler:			0	Soot Handling:	
	<small>(Cooler Type)</small>		<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>	
Gas Cleanup:			Sulfur Removal:		
	<small>(Supplier)</small>	<small>(Process)</small>		<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:	0		0		
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:	0		0	Steam Turbine:	0
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(No.)</small>
		<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
Prin. Contractor:			Engineer:		
	<small>(Contact)</small>			<small>(Contact)</small>	

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:	<input type="text" value="383"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2005"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="China 1 (Expansion)"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="China 1 (Expansion)"/>			Plant Name:	<input type="text" value="GE Haolianghe, Heilongjiang"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="China 1 (Expansion)"/>	Facility Name:	<input type="text" value="China 1"/>
Location: (City/State/Prov)	<input type="text" value="Haolianghe, Heilongjiang"/>	Facility Type:	<input type="text" value="Chemical Plant"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <input type="text" value="Coal"/> <small>(Category) (Classification)</small>	Rate (MAF):	<input type="text" value="0.0"/> <input type="text"/> <small>(mt/d) (Source)</small>
Feed1:	<input type="text" value="Coal"/> <input type="text" value="0"/>	Syngas Cap.:	<input type="text" value="2,045,000"/> <input type="text"/> <small>(Nm3/d) (Source)</small>
Feed2:	<input type="text"/> <input type="text" value="0"/>	Eq. IGCC Cap., MWe:	<input type="text" value="152.7"/> <small>(Calculated)</small>
Feed3:	<input type="text"/> <input type="text" value="0"/>		
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>	Fuel Input:	<input type="text" value="0.0"/> <input type="text"/> <small>(MWt) (Source)</small>
Product1:	<input type="text" value="Methanol"/> <input type="text" value="0"/>	Syngas Output:	<input type="text" value="279.6"/> <input type="text"/> <small>(MWt) (Source)</small>
Product2:	<input type="text"/> <input type="text" value="0"/>		
Product3:	<input type="text"/> <input type="text" value="0"/>		

Other Information

O2 Supply:	<input type="text"/> <input type="text"/> <input type="text"/> <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>
Syngas Cooler:	<input type="text"/> <input type="text" value="0"/> <input type="text"/> <small>(Cooler Type) (Cooler Supplier) (MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <input type="text"/> <input type="text"/> <small>(Supplier) (Process)</small>
Sulfur Removal:	<input type="text"/> <input type="text"/> <small>(Supplier) (Process)</small>
Gas Turbine:	<input type="text" value="0"/> <input type="text"/> <input type="text" value="0"/> <input type="text"/> <small>(No.) (Supplier) (Model) (MWout)</small>
HRSG:	<input type="text" value="0"/> <input type="text"/> <input type="text" value="0"/> <input type="text"/> <small>(No.) (Supplier) (Model) (Production)</small>
Steam Turbine:	<input type="text" value="0"/> <input type="text"/> <input type="text" value="0"/> <input type="text"/> <small>(No.) (Supplier) (Model) (MWout)</small>
Prin. Contractor:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>Engineer: Constructor:</small>

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:
No. of Gasifiers: Op'g/Sp/Total / /
Gasifier Status:
Start Date:

Project Count:
Plt. Type:
Project Reality:
Application:

Plt. Owner:
Plt. Owner Type:

Plt. Operator:
Plant Name:

Gas'n Tech.:

(Technology Name) (Licensor) (Technology Type)

Vendor Contact:

(Contact) (Email)

Project Contact:

(Contact) (Email)

Facility Information

Facility Owner:
Facility Name:

Location:
Facility Type:

(City/State/Prov)

Facility Status:

(Country)

(Region)

Feed/Product Information

Main Feed:

Rate (MAF):

(Category) (Classification) (mt/d) (Source)

Feed1:

Syngas Cap.:

(Nm3/d) (Source)

Feed2:

Eq. IGCC Cap., MWe:

(Calculated)

Feed3:

Main Product:

(Category)

Fuel Input:

(MWt) (Source)

Product1:

Syngas Output:

(MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply:

(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler:

Soot Handling:

(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup:

Sulfur Removal:

(Supplier) (Process) (Supplier) (Process)

Gas Turbine:

(No.) (Supplier) (Model) (MWout)

HRSG:

Steam Turbine:

(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor:
Engineer:
Constructor:

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:	<input type="text" value="386"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="3"/> / <input type="text" value="0"/> / <input type="text" value="3"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2006"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text"/>
Plt. Owner:	<input type="text" value="China 5"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="China 5"/>			Plant Name:	<input type="text" value="GE China 5"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="China 5"/>	Facility Name:	<input type="text" value="China 5"/>
Location: (City/State/Prov)	<input type="text"/>	Facility Type:	<input type="text"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Coal"/> <small>(Category)</small>	Rate (MAF):	<input type="text" value="0.0"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/> <input type="text" value="0"/>	Syngas Cap.:	<input type="text" value="2,080,000"/> <small>(Nm3/d)</small>	<input type="text"/> <small>(Source)</small>
Feed2:	<input type="text"/> <input type="text" value="0"/>	Eq. IGCC Cap., MWe:	<input type="text" value="155.3"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/> <input type="text" value="0"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>	Fuel Input:	<input type="text" value="0.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product1:	<input type="text" value="Methanol"/> <input type="text" value="0"/>	Syngas Output:	<input type="text" value="284.3"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product2:	<input type="text"/> <input type="text" value="0"/>			
Product3:	<input type="text"/> <input type="text" value="0"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text" value="0"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal: <input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small> <input type="text" value="0"/> <small>(MWout)</small>
HRSG:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small> <input type="text" value="0"/> <small>(Production)</small>
		Steam Turbine:	<input type="text" value="0"/> <small>(No.)</small> <input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Model)</small> <input type="text" value="0"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:	<input type="text" value="387"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2005"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text"/>
Plt. Owner:	<input type="text" value="Sinopec"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Sinopec"/>			Plant Name:	<input type="text" value="Sinopec Jinling"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Sinopec"/>		Facility Name:	<input type="text" value="Jinling"/>	
Location: (City/State/Prov)	<input type="text" value="Jinling"/>		Facility Type:	<input type="text"/>	
(Country)	<input type="text" value="China"/>		Facility Status:	<input type="text" value="Operating"/>	
(Region)	<input type="text" value="Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="0.0"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text" value="0"/>	Syngas Cap.:	<input type="text" value="2,100,000"/> <small>(Nm3/d)</small>	<input type="text"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text" value="0"/>	Eq. IGCC Cap., MWe:	<input type="text" value="156.8"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text" value="0"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="0.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product1:	<input type="text" value="Ammonia"/>	<input type="text" value="0"/>	Syngas Output:	<input type="text" value="287.1"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text" value="0"/>			
Product3:	<input type="text"/>	<input type="text" value="0"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text" value="0"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal: <input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Model)</small>
		<input type="text" value="0"/> <small>(MWout)</small>	
HRSG:	<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text" value="0"/> <small>(Production)</small>
		<input type="text" value="0"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>
		<input type="text"/> <small>(Model)</small>	<input type="text" value="0"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer: <input type="text"/>
			Constructor: <input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:	<input type="text" value="388"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2005"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text"/>
Plt. Owner:	<input type="text" value="China 4"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="China 4"/>			Plant Name:	<input type="text" value="GE China 4"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="China 4"/>	Facility Name:	<input type="text" value="China 4"/>
Location: (City/State/Prov)	<input type="text"/>	Facility Type:	<input type="text"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <input type="text" value="Coal"/> <small>(Category) (Classification)</small>	Rate (MAF):	<input type="text" value="0.0"/> <input type="text"/> <small>(mt/d) (Source)</small>
Feed1:	<input type="text" value="Coal"/> <input type="text" value="0"/>	Syngas Cap.:	<input type="text" value="2,100,000"/> <input type="text"/> <small>(Nm3/d) (Source)</small>
Feed2:	<input type="text" value="Petcoke"/> <input type="text" value="0"/>	Eq. IGCC Cap., MWe:	<input type="text" value="156.8"/> <small>(Calculated)</small>
Feed3:	<input type="text"/> <input type="text" value="0"/>		
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>	Fuel Input:	<input type="text" value="0.0"/> <input type="text"/> <small>(MWt) (Source)</small>
Product1:	<input type="text" value="Ammonia"/> <input type="text" value="0"/>	Syngas Output:	<input type="text" value="287.1"/> <input type="text"/> <small>(MWt) (Source)</small>
Product2:	<input type="text" value="Urea"/> <input type="text" value="0"/>		
Product3:	<input type="text"/> <input type="text" value="0"/>		

Other Information

O2 Supply:	<input type="text"/> <input type="text"/> <input type="text"/> <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>
Syngas Cooler:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(Cooler Type) (Cooler Supplier) (MWth Duty) Soot Handling:</small>
Gas Cleanup:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(Supplier) (Process) Sulfur Removal: (Supplier) (Process)</small>
Gas Turbine:	<input type="text" value="0"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(No.) (Supplier) (Model) (MWout)</small>
HRSG:	<input type="text" value="0"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(No.) (Supplier) (Model) (Production) Steam Turbine: (No.) (Supplier) (Model) (MWout)</small>
Prin. Contractor:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>Engineer: Constructor:</small>

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:	<input type="text" value="389"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="3"/> / <input type="text" value="0"/> / <input type="text" value="3"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2005"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text"/>
Plt. Owner:	<input type="text" value="China 3"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="China 3"/>			Plant Name:	<input type="text" value="GE China 3"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="China 3"/>	Facility Name:	<input type="text" value="China 3"/>
Location: (City/State/Prov)	<input type="text"/>	Facility Type:	<input type="text"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <input type="text" value="Coal"/> <small>(Category) (Classification)</small>	Rate (MAF):	<input type="text" value="0.0"/> <input type="text"/> <small>(mt/d) (Source)</small>
Feed1:	<input type="text" value="Coal"/> <input type="text" value="0"/>	Syngas Cap.:	<input type="text" value="2,100,000"/> <input type="text"/> <small>(Nm3/d) (Source)</small>
Feed2:	<input type="text" value="Petcoke"/> <input type="text" value="0"/>	Eq. IGCC Cap., MWe:	<input type="text" value="156.8"/> <small>(Calculated)</small>
Feed3:	<input type="text"/> <input type="text" value="0"/>		
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>	Fuel Input:	<input type="text" value="0.0"/> <input type="text"/> <small>(MWt) (Source)</small>
Product1:	<input type="text" value="Ammonia"/> <input type="text" value="0"/>	Syngas Output:	<input type="text" value="287.1"/> <input type="text"/> <small>(MWt) (Source)</small>
Product2:	<input type="text" value="H2"/> <input type="text" value="0"/>		
Product3:	<input type="text"/> <input type="text" value="0"/>		

Other Information

O2 Supply:	<input type="text"/> <input type="text"/> <input type="text"/> <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>
Syngas Cooler:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(Cooler Type) (Cooler Supplier) (MWth Duty) Soot Handling:</small>
Gas Cleanup:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(Supplier) (Process) Sulfur Removal: (Supplier) (Process)</small>
Gas Turbine:	<input type="text" value="0"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(No.) (Supplier) (Model) (MWout)</small>
HRSG:	<input type="text" value="0"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(No.) (Supplier) (Model) (Production) Steam Turbine: (No.) (Supplier) (Model) (MWout)</small>
Prin. Contractor:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>Engineer: Constructor:</small>

Gasification Database Gasification Plant Report

Date Modified:

11-Apr-07

Key Gasifier Information

Gasifier ID:	390	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	2004
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	
Plt. Owner:	Haolianghe Ammonia Plant			Plt. Owner Type:			
Plt. Operator:	Haolianghe Ammonia Plant			Plant Name:	Haolianghe Ammonia Plant		
Gas'n Tech.:	GE Gasification Technology <small>(Technology Name)</small>		GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Tim Huskey <small>(Contact)</small>		timothy.huskey@ge.com <small>(Email)</small>				
Project Contact:							
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:		Facility Name:	Haolianghe Ammonia Plant
Location: (City/State/Prov)	Haolianghe	Facility Type:	
(Country)	China	Facility Status:	Operating
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Coal <small>(Classification)</small>	Rate (MAF):	0.0 <small>(mt/d)</small>			
Feed1:	Coal	0	Syngas Cap.:	2,200,000 <small>(Nm3/d)</small>			<small>(Source)</small>
Feed2:		0	Eq. IGCC Cap., MWe:	164.2 <small>(Calculated)</small>			
Feed3:		0					
Main Product:	Chemicals <small>(Category)</small>		Fuel Input:	400.0 <small>(MWt)</small>			<small>(Source)</small>
Product1:	Ammonia	0	Syngas Output:	300.0 <small>(MWt)</small>			<small>(Source)</small>
Product2:		0					
Product3:		0					

Other Information

O2 Supply:							
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>				
Syngas Cooler:			0	Soot Handling:			
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>				
Gas Cleanup:			Sulfur Removal:				
	<small>(Supplier)</small>	<small>(Process)</small>		<small>(Supplier)</small>	<small>(Process)</small>		
Gas Turbine:	0		0				
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>			
HRSG:	0		0	Steam Turbine:	0		
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(No.)</small>	<small>(Supplier)</small>	
		<small>(Model)</small>	<small>(Production)</small>	<small>(Model)</small>	<small>(MWout)</small>		
Prin. Contractor:			Engineer:			Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

15-Sep-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="391"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1997"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Shanghai Chemical & Coking (Shanghai Pacific)"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Shanghai Chemical & Coking (Shanghai Pacific)"/>			Plant Name:	<input type="text" value="Gas Plant No. 2"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Shanghai Chemical & Coking (Shanghai Pacific)"/>	Facility Name:	<input type="text" value="Gas Plant No. 2"/>
Location: (City/State/Prov)	<input type="text" value="Wujing, Shanghai"/>	Facility Type:	<input type="text" value="Chemical Plant"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <input type="text" value="Coal"/> <small>(Category) (Classification)</small>	Rate (MAF):	<input type="text" value="0.0"/> <input type="text"/> <small>(mt/d) (Source)</small>
Feed1:	<input type="text" value="Coal"/> <input type="text" value="0"/> <input type="text"/>	Syngas Cap.:	<input type="text" value="765,000"/> <input type="text"/> <small>(Nm3/d) (Source)</small>
Feed2:	<input type="text"/> <input type="text" value="0"/> <input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="57.1"/> <input type="text"/> <small>(Calculated)</small>
Feed3:	<input type="text"/> <input type="text" value="0"/> <input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>	Fuel Input:	<input type="text" value="0.0"/> <input type="text"/> <small>(MWt) (Source)</small>
Product1:	<input type="text" value="Methanol"/> <input type="text" value="0"/> <input type="text"/>	Syngas Output:	<input type="text" value="104.6"/> <input type="text"/> <small>(MWt) (Source)</small>
Product2:	<input type="text" value="Town gas"/> <input type="text" value="0"/> <input type="text"/>		
Product3:	<input type="text" value="Acetic acid"/> <input type="text" value="0"/> <input type="text"/>		

Other Information

O2 Supply:	<input type="text"/> <input type="text"/> <input type="text"/> <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>				
Syngas Cooler:	<input type="text"/> <input type="text" value="0"/> <input type="text"/> <small>(Cooler Type) (Cooler Supplier) (MWth Duty)</small>	Soot Handling:	<input type="text"/>		
Gas Cleanup:	<input type="text"/> <input type="text"/> <small>(Supplier) (Process)</small>	Sulfur Removal:	<input type="text"/> <input type="text"/> <small>(Supplier) (Process)</small>		
Gas Turbine:	<input type="text" value="0"/> <input type="text"/> <input type="text" value="0"/> <input type="text"/> <small>(No.) (Supplier) (Model) (MWout)</small>				
HRSG:	<input type="text" value="0"/> <input type="text"/> <input type="text" value="0"/> <input type="text"/> <small>(No.) (Supplier) (Model) (Production)</small>	Steam Turbine:	<input type="text" value="0"/> <input type="text"/> <input type="text" value="0"/> <input type="text"/> <small>(No.) (Supplier) (Model) (MWout)</small>		
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>	Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID: 394	No. of Gasifiers: Op'g/Sp/Total 3/ / 3	Gasifier Status: Operating	Start Date: 2000
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Zhong Yuan Dahua Group Ltd.	Plt. Owner Type:		
Plt. Operator: Zhong Yuan Dahua Group Ltd.	Plant Name: Zhong Yuan Dahua Group Ltd.		
Gas'n Tech.: Sasol Lurgi Dry Ash Gasification Process (Technology Name)	Lurgi GmbH (Licensor)	Moving-bed gasification (Technology Type)	
Vendor Contact: Claus Greil (Contact)	claus_greil@lurgi.de (Email)		
Project Contact: (Contact)	 (Email)		

Facility Information

Facility Owner: Zhong Yuan Dahua Group Ltd.	Facility Name:
Location: (City/State/Prov) Puyang, Henan	Facility Type:
(Country) China	Facility Status: Operating
(Region) Asia/Australia	

Feed/Product Information

Main Feed: Solid Coal (Category) (Classification)	Rate (MAF): (mt/d) (Source)
Feed1: Coal	Syngas Cap.: 2,282,492 (Nm3/d) (Source)
Feed2:	Eq. IGCC Cap., MWe: 170.4 (Calculated)
Feed3:	
Main Product: Chemicals (Category)	Fuel Input: 367.0 (MWt) (Source)
Product1:	Syngas Output: 312.0 (MWt) (Source)
Product2:	
Product3:	

Other Information

O2 Supply: (Oxidant) (ASU Supplier) (ASU Integration)	
Syngas Cooler: (Cooler Type) (Cooler Supplier) (MWth Duty)	Soot Handling:
Gas Cleanup: (Supplier) (Process)	Sulfur Removal: (Supplier) (Process)
Gas Turbine: (No.) (Supplier) (Model) (MWout)	
HRSG: (No.) (Supplier) (Model) (Production)	Steam Turbine: (No.) (Supplier) (Model) (MWout)
Prin. Contractor:	Engineer: Constructor:

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:	<input type="text" value="396"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2005"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Shaanxi Shenmu Chemical Company"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Shaanxi Shenmu Chemical Company"/>			Plant Name:	<input type="text" value="Shaanxi Shenmu Chemical Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Shaanxi Shenmu Chemical Company"/>		Facility Name:	<input type="text"/>	
Location: (City/State/Prov)	<input type="text" value="Shenmu, Shaanxi"/>		Facility Type:	<input type="text"/>	
(Country)	<input type="text" value="China"/>		Facility Status:	<input type="text" value="Operating"/>	
(Region)	<input type="text" value="Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	Syngas Cap.:	<input type="text" value="1,925,000"/> <small>(Nm3/d)</small>	<input type="text"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="143.7"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="351.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product1:	<input type="text"/>	<input type="text"/>	Syngas Output:	<input type="text" value="263.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>	
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling: <input type="text"/>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>
Steam Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text"/>
			Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:	<input type="text" value="398"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Startup"/>	Start Date:	<input type="text" value="2006"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Weihe Chemical Company"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Weihe Chemical Company"/>			Plant Name:	<input type="text" value="Weihe Chemical"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Weihe Chemical Company"/>		Facility Name:	<input type="text"/>	
Location: (City/State/Prov)	<input type="text" value="Weinan, Shaanxi"/>		Facility Type:	<input type="text"/>	
(Country)	<input type="text" value="China"/>		Facility Status:	<input type="text" value="Startup"/>	
(Region)	<input type="text" value="Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	Syngas Cap.:	<input type="text" value="2,900,000"/> <small>(Nm3/d)</small>	<input type="text"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="216.5"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="527.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product1:	<input type="text"/>	<input type="text"/>	Syngas Output:	<input type="text" value="395.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>	
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling: <input type="text"/>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>
Steam Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text"/>
			Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	399	No. of Gasifiers: Op'g/Sp/Total	2/1/3	Gasifier Status:	Operating	Start Date:	2009
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Chemicals
Plt. Owner:	Fujian			Plt. Owner Type:			
Plt. Operator:	Fujian			Plant Name:	Fujian Refinery Ethylene Project (FREP)		
Gas'n Tech.:	Shell Gasification Process <small>(Technology Name)</small>		Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Jim Volk <small>(Contact)</small>		jim.volk@shell.com <small>(Email)</small>				
Project Contact:							
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	Fujian	Facility Name:	
Location: (City/State/Prov)	Fujian	Facility Type:	
(Country)	China	Facility Status:	Operating
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Liquid <small>(Category)</small>	Petroleum <small>(Classification)</small>	Rate (MAF):			
				<small>(mt/d)</small>	<small>(Source)</small>	
Feed1:	Petroleum					
Feed2:						
Feed3:						
Main Product:	Chemicals <small>(Category)</small>		Fuel Input:	1,059.0 <small>(MWt) (Source)</small>		
Product1:			Syngas Output:	868.0 <small>(MWt) (Source)</small>		
Product2:						
Product3:						

Other Information

O2 Supply:				
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>	
Syngas Cooler:				Soot Handling:
	<small>(Cooler Type)</small>		<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup:			Sulfur Removal:	
	<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:				
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
HRSG:				
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>
Steam Turbine:				
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
Prin. Contractor:			Engineer:	
	<small>(Contact)</small>			<small>(Email)</small>
	<small>(Contact)</small>			<small>(Email)</small>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	401	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	2008
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Chemicals
Plt. Owner:	Henan Yima Kaixiang Group			Plt. Owner Type:			
Plt. Operator:	Henan Yima Kaixiang Group			Plant Name:	Kaixiang Chemical Plant		
Gas'n Tech.:	Shell Gasification Process <small>(Technology Name)</small>		Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Jim Volk <small>(Contact)</small>		jim.volk@shell.com <small>(Email)</small>				
Project Contact:							
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	Henan Yima Kaixiang Group	Facility Name:	
Location: (City/State/Prov)	Yima, Henan	Facility Type:	
(Country)	China	Facility Status:	Operating
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Coal <small>(Classification)</small>	Rate (MAF):			
				<small>(mt/d)</small>	<small>(Source)</small>	
Feed1:	Coal					
Feed2:						
Feed3:						
Main Product:	Chemicals <small>(Category)</small>		Fuel Input:	321.0 <small>(MWt)</small>		<small>(Source)</small>
Product1:	Methanol		Syngas Output:	257.0 <small>(MWt)</small>		<small>(Source)</small>
Product2:						
Product3:						

Other Information

O2 Supply:					
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>		
Syngas Cooler:				Soot Handling:	
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>		
Gas Cleanup:			Sulfur Removal:		
	<small>(Supplier)</small>	<small>(Process)</small>		<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(MWout)</small>
Prin. Contractor:			Engineer:		
	<small>(Contact)</small>			<small>(Email)</small>	

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID: 403	No. of Gasifiers: Op'g/Sp/Total 1/0/1	Gasifier Status: Operating	Start Date: 2008
Project Count: 1	Plt. Type: Commercial	Project Reality: Planning	Application: Syngas for Chemicals
Plt. Owner: Zhong Yuan Dahua Group Ltd.	Plt. Owner Type:		
Plt. Operator: Zhong Yuan Dahua Group Ltd.	Plant Name: Puyang Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: Zhong Yuan Dahua Group Ltd.	Facility Name:
Location: (City/State/Prov) Puyang, Henan	Facility Type:
(Country) China	Facility Status: Operating
(Region) Asia/Australia	

Feed/Product Information

Main Feed: Solid Coal <small>(Category) (Classification)</small>	Rate (MAF): <small>(mt/d) (Source)</small>
Feed1: Coal	Syngas Cap.: 3,410,000 <small>(Nm3/d) (Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 254.6 <small>(Calculated)</small>
Feed3:	
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 578.0 <small>(MWt) (Source)</small>
Product1: Methanol	Syngas Output: 463.0 <small>(MWt) (Source)</small>
Product2:	
Product3:	

Other Information

O2 Supply: <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>	
Syngas Cooler: <small>(Cooler Type) (Cooler Supplier) (MWth Duty)</small>	Soot Handling:
Gas Cleanup: <small>(Supplier) (Process)</small>	Sulfur Removal: <small>(Supplier) (Process)</small>
Gas Turbine: <small>(No.) (Supplier) (Model) (MWout)</small>	
HRSG: <small>(No.) (Supplier) (Model) (Production)</small>	Steam Turbine: <small>(No.) (Supplier) (Model) (MWout)</small>
Prin. Contractor:	Engineer: Constructor:

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	404	No. of Gasifiers: Op'g/Sp/Total	2/ 0/ 2	Gasifier Status:	Construction	Start Date:	2010
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Chemicals
Plt. Owner:	Tianjin Bohai Chemical Group			Plt. Owner Type:			
Plt. Operator:	Tianjin Bohai Chemical Group			Plant Name:	Tianjin Chemical Plant		
Gas'n Tech.:	Shell Gasification Process <small>(Technology Name)</small>		Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Jim Volk <small>(Contact)</small>		jim.volk@shell.com <small>(Email)</small>				
Project Contact:							
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	Tianjin Bohai Chemical Group	Facility Name:	
Location: (City/State/Prov)	Tianjin	Facility Type:	
(Country)	China	Facility Status:	Construction
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Coal <small>(Classification)</small>	Rate (MAF):			
				<small>(mt/d)</small>	<small>(Source)</small>	
Feed1:	Coal					
Feed2:						
Feed3:						
Main Product:	Chemicals <small>(Category)</small>		Fuel Input:	1,405.0 <small>(MWt) (Source)</small>		
Product1:	Ammonia		Syngas Output:	1,124.0 <small>(MWt) (Source)</small>		
Product2:						
Product3:						

Other Information

O2 Supply:				
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>	
Syngas Cooler:				Soot Handling:
	<small>(Cooler Type)</small>		<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup:			Sulfur Removal:	
	<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:				
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
HRSG:				
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>
Steam Turbine:				
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
Prin. Contractor:			Engineer:	
	<small>(Contact)</small>			<small>(Email)</small>
	<small>(Contact)</small>			<small>(Email)</small>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	405	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Construction	Start Date:	2010
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Chemicals
Plt. Owner:	Guizhou Tianfu	Plt. Owner Type:					
Plt. Operator:	Guizhou Tianfu	Plant Name:	Guizhou Chemical Plant				
Gas'n Tech.:	Shell Gasification Process (Technology Name)	Shell (Licensor)	Entrained-flow gasification (Technology Type)				
Vendor Contact:	Jim Volk (Contact)	jim.volk@shell.com (Email)					
Project Contact:							

Facility Information

Facility Owner:	Unspecified Owner	Facility Name:	
Location: (City/State/Prov)	Guizhou	Facility Type:	
(Country)	China	Facility Status:	Construction
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Solid (Category)	Coal (Classification)	Rate (MAF):			
			(mt/d)	(Source)		
Feed1:	Coal		Syngas Cap.:	4,125,000 (Nm3/d)		(Source)
Feed2:			Eq. IGCC Cap., MWe:	307.9 (Calculated)		
Feed3:						
Main Product:	Chemicals (Category)		Fuel Input:	703.0 (MWt)		(Source)
Product1:	Ammonia		Syngas Output:	562.0 (MWt)		(Source)
Product2:						
Product3:						

Other Information

O2 Supply:					
(Oxidant)	(ASU Supplier)	(ASU Integration)			
Syngas Cooler:				Soot Handling:	
(Cooler Type)	(Cooler Supplier)	(MWth Duty)			
Gas Cleanup:			Sulfur Removal:		
(Supplier)	(Process)		(Supplier)	(Process)	
Gas Turbine:					
(No.)	(Supplier)	(Model)	(MWout)		
HRSG:				Steam Turbine:	
(No.)	(Supplier)	(Model)	(Production)	(No.)	(Supplier)
				(Model)	(MWout)
Prin. Contractor:		Engineer:		Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="406"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="3"/> / <input type="text" value="0"/> / <input type="text" value="3"/>	Gasifier Status:	<input type="text" value="Startup"/>	Start Date:	<input type="text" value="2011"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Datang MTP"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Datang MTP"/>			Plant Name:	<input type="text" value="Inner Mongolia Chemical Plant"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Unspecified Owner"/>		Facility Name:	<input type="text"/>	
Location:	<input type="text" value="(City/State/Prov) Inner Mongolia"/>		Facility Type:	<input type="text"/>	
	<input type="text" value="(Country) China"/>		Facility Status:	<input type="text" value="Startup"/>	
	<input type="text" value="(Region) Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/>	<input type="text"/> <small>(Source)</small>
				<input type="text" value="24,750,000"/> <small>(Nm3/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>			
Feed2:	<input type="text"/>	<input type="text"/>			
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="4,216.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product1:	<input type="text" value="Methanol"/>	<input type="text"/>	Syngas Output:	<input type="text" value="3,373.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>	
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling: <input type="text"/>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>
		<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small> <input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text"/>
			Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="423"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="5"/> / <input type="text" value=""/> / <input type="text" value="5"/>	Gasifier Status:	<input type="text" value="Construction"/>	Start Date:	<input type="text" value="2010"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Shenhua Ningxia Coal Group"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Shenhua Ningxia Coal Group"/>			Plant Name:	<input type="text" value="Ningxia Coal to Polypropylene Project (NCPPI)"/>		
Gas'n Tech.:	<input type="text" value="Siemens SFG Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Siemens Power Generation"/> <small>(Licensor)</small>		<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>		
Vendor Contact:	<input type="text" value="Harry Morehead"/> <small>(Contact)</small>			<input type="text" value="harry.morehead@siemens.com"/> <small>(Email)</small>			
Project Contact:	<input type="text" value="Anton Habertzettl"/> <small>(Contact)</small>			<input type="text" value="anton.habertzettl@siemens.com"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Shenhua Ningxia Coal Group"/>	Facility Name:	<input type="text"/>
Location: (City/State/Prov)	<input type="text" value="Ningxia Province, Ningdong Base"/>	Facility Type:	<input type="text"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Construction"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="10,000.0"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text" value="10,000"/>	<input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="5,600,000"/> <small>(Nm3/d)</small>
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="418.1"/> <small>(Calculated)</small>
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="2,500.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product1:	<input type="text" value="Polypropylene"/>	<input type="text"/>	<input type="text"/>	Syngas Output:	<input type="text" value="1,912.0"/> <small>(MWt)</small>
Product2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <small>(Source)</small>
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Production)</small>
Steam Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="429"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value=""/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Construction"/>	Start Date:	<input type="text" value="2012"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Hebi Coal & Electricity Co., Ltd"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Hebi Coal & Electricity Co., Ltd"/>			Plant Name:	<input type="text" value="Hebi"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>		<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>		
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Hebi Coal & Electricity Co., Ltd"/>		Facility Name:	<input type="text"/>	
Location: (City/State/Prov)	<input type="text"/>		Facility Type:	<input type="text"/>	
(Country)	<input type="text" value="China"/>		Facility Status:	<input type="text" value="Construction"/>	
(Region)	<input type="text" value="Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/>	<input type="text"/> <small>(Source)</small>
				<small>(mt/d)</small>	
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	Syngas Cap.:	<input type="text" value="4,000,000"/> <small>(Nm3/d)</small>	<input type="text"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="298.6"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text"/>	<input type="text"/> <small>(Source)</small>
				<small>(MWt)</small>	
Product1:	<input type="text" value="Chemicals"/>	<input type="text"/>	Syngas Output:	<input type="text" value="546.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>		
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling:	<input type="text"/>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>	
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>	Steam Turbine:
			<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text"/>	
			Constructor:	<input type="text"/>	

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="433"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value=""/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Startup"/>	Start Date:	<input type="text" value="2013"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Datong"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Datong"/>			Plant Name:	<input type="text" value="Datong"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Datong"/>	Facility Name:	<input type="text"/>
Location: (City/State/Prov)	<input type="text"/>	Facility Type:	<input type="text"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Startup"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/>	<input type="text"/> <small>(Source)</small>
				<small>(mt/d)</small>	
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	Syngas Cap.:	<input type="text" value="4,000,000"/> <small>(Nm3/d)</small>	<input type="text"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="298.6"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text"/>	<input type="text"/> <small>(Source)</small>
				<small>(MWt)</small>	
Product1:	<input type="text" value="Chemicals"/>	<input type="text"/>	Syngas Output:	<input type="text" value="546.0"/> <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal: <input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
		<input type="text"/> <small>(MWout)</small>	
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
		<input type="text"/> <small>(Production)</small>	<input type="text"/> <small>(MWout)</small>
Steam Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
		<input type="text"/> <small>(MWout)</small>	
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	435	No. of Gasifiers: Op'g/Sp/Total	1/ / 1	Gasifier Status:	Construction	Start Date:	2013
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Chemicals
Plt. Owner:	YYTH Shuifu	Plt. Owner Type:					
Plt. Operator:	YYTH Shuifu	Plant Name:	YYTH Shuifu				
Gas'n Tech.:	Shell Gasification Process (Technology Name)	Shell (Licensor)	Entrained-flow gasification (Technology Type)				
Vendor Contact:	Jim Volk (Contact)	jim.volk@shell.com (Email)					
Project Contact:							

Facility Information

Facility Owner:	YYTH Shuifu	Facility Name:	
Location: (City/State/Prov)		Facility Type:	
(Country)	China	Facility Status:	Construction
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Solid (Category)	Coal (Classification)	Rate (MAF):			
			(mt/d)	(Source)		
Feed1:	Coal		Syngas Cap.:	1,700,000 (Nm3/d)		(Source)
Feed2:			Eq. IGCC Cap., MWe:	126.9 (Calculated)		
Feed3:						
Main Product:	Chemicals (Category)		Fuel Input:			
			(MWt)	(Source)		
Product1:	Chemicals		Syngas Output:	232.0 (MWt)		(Source)
Product2:						
Product3:						

Other Information

O2 Supply:							
(Oxidant)	(ASU Supplier)	(ASU Integration)					
Syngas Cooler:				Soot Handling:			
(Cooler Type)	(Cooler Supplier)	(MWth Duty)					
Gas Cleanup:			Sulfur Removal:				
(Supplier)	(Process)		(Supplier)	(Process)			
Gas Turbine:							
(No.)	(Supplier)	(Model)	(MWout)				
HRSG:				Steam Turbine:			
(No.)	(Supplier)	(Model)	(Production)	(No.)	(Supplier)	(Model)	(MWout)
Prin. Contractor:		Engineer:		Constructor:			

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="437"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="1"/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2007"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Synthesis Energy Systems"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Synthesis Energy Systems"/>			Plant Name:	<input type="text" value="Zhao Zhuang"/>		
Gas'n Tech.:	<input type="text" value="GTI U-GAS Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Gas Technology Institute"/> <small>(Licensor)</small>		<input type="text" value="Fluidized-bed gasification"/> <small>(Technology Type)</small>		
Vendor Contact:	<input type="text" value="Vann Bush"/> <small>(Contact)</small>		<input type="text" value="vann.bush@gastechnology.org"/> <small>(Email)</small>				
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Synthesis Energy Systems"/>		Facility Name:	<input type="text"/>	
Location: (City/State/Prov)	<input type="text"/>		Facility Type:	<input type="text"/>	
(Country)	<input type="text" value="China"/>		Facility Status:	<input type="text" value="Operating"/>	
(Region)	<input type="text" value="Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="400.0"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text" value="400"/>	<input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="400,000"/> <small>(Nm3/d)</small>
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="29.9"/> <small>(Calculated)</small>
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text"/>	<input type="text"/> <small>(MWt) (Source)</small>
Product1:	<input type="text"/>	<input type="text"/>	Syngas Output:	<input type="text" value="55.0"/>	<input type="text"/> <small>(MWt) (Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>		
Syngas Cooler:	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling:	<input type="text"/>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>	
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>	Steam Turbine:
			<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text"/>	
			Constructor:	<input type="text"/>	

Gasification Database Gasification Plant Report

Date Modified:

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Key Gasifier Information

Gasifier ID:	<input type="text" value="446"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value=""/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2005"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Hualu Hengsheng Chemicals Co., Ltd."/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Hualu Hengsheng Chemicals Co., Ltd."/>			Plant Name:	<input type="text" value="Hualu Hengsheng Chemicals Co., Ltd."/>		
Gas'n Tech.:	<input type="text" value="ECUST OMB Gasifier"/>		<input type="text" value="East China University of Science & Tech"/>		<input type="text"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Zhou Zhi Jie"/>		<input type="text" value="zzj@ecust.edu.cn"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="Hualu Hengsheng Chemicals Co., Ltd."/>		Facility Name:	<input type="text" value="Hualu Hengsheng Chemicals Co., Ltd."/>	
Location: (City/State/Prov)	<input type="text"/>		Facility Type:	<input type="text"/>	
(Country)	<input type="text" value="China"/>		Facility Status:	<input type="text" value="Operating"/>	
(Region)	<input type="text" value="Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/>	<input type="text" value="Coal"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	Syngas Cap.:	<input type="text" value="1,152,000"/>	<input type="text"/>
Feed2:	<input type="text"/>	<input type="text"/>		(Nm3/d)	(Source)
Feed3:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="86.0"/>	<input type="text"/>
				(Calculated)	
Main Product:	<input type="text" value="Chemicals"/>		Fuel Input:	<input type="text"/>	<input type="text"/>
	(Category)			(MWt)	(Source)
Product1:	<input type="text" value="Chemicals"/>	<input type="text"/>	Syngas Output:	<input type="text" value="157.0"/>	<input type="text"/>
Product2:	<input type="text"/>	<input type="text"/>		(MWt)	(Source)
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:
	(Supplier)	(Process)	<input type="text"/>
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (Production) (MWout)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

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Key Gasifier Information

Gasifier ID: **No. of Gasifiers: Op'g/Sp/Total** / / **Gasifier Status:** **Start Date:**

Project Count: **Plt. Type:** **Project Reality:** **Application:**

Plt. Owner: **Plt. Owner Type:**

Plt. Operator: **Plant Name:**

Gas'n Tech.:

(Technology Name) (Licensor) (Technology Type)

Vendor Contact:

(Contact) (Email)

Project Contact:

(Contact) (Email)

Facility Information

Facility Owner: **Facility Name:**

Location: (City/State/Prov) **Facility Type:**

(Country) **Facility Status:**

(Region)

Feed/Product Information

Main Feed: **Rate (MAF):**

(Category) (Classification) (mt/d) (Source)

Feed1: **Syngas Cap.:**

(Nm3/d) (Source)

Feed2: **Eq. IGCC Cap., MWe:**

(Calculated)

Feed3:

Main Product: **Fuel Input:**

(Category) (MWt) (Source)

Product1: **Syngas Output:**

(MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply:

(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler: **Soot Handling:**

(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup: **Sulfur Removal:**

(Supplier) (Process) (Supplier) (Process)

Gas Turbine:

(No.) (Supplier) (Model) (MWout)

HRSG: **Steam Turbine:**

(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

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Key Gasifier Information

Gasifier ID:	<input type="text" value="448"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value=""/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2007"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Yankuang Group"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Yankuang Group"/>			Plant Name:	<input type="text" value="Yankuang Lunan Fertilizer Plant"/>		
Gas'n Tech.:	<input type="text" value="ECUST OMB Gasifier"/>		<input type="text" value="East China University of Science & Tech"/>		<input type="text"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Zhou Zhi Jie"/>		<input type="text" value="zzj@ecust.edu.cn"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="Yankuang Group"/>	Facility Name:	<input type="text" value="Yankuang Lunan Fertilizer Plant"/>
Location: (City/State/Prov)	<input type="text"/>	Facility Type:	<input type="text"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/>	<input type="text" value="Coal"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="1,896,000"/>	<input type="text"/>
				(Nm3/d)	(Source)
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="141.5"/>	<input type="text"/>
				(Calculated)	
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/>		Fuel Input:	<input type="text"/>	<input type="text"/>
	(Category)			(MWt)	(Source)
Product1:	<input type="text" value="Chemicals"/>	<input type="text"/>	Syngas Output:	<input type="text" value="259.0"/>	<input type="text"/>
				(MWt)	(Source)
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:
	(Supplier)	(Process)	<input type="text"/>
			(Supplier)
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Production)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model)
			(MWout)
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

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Key Gasifier Information

Gasifier ID:	<input type="text" value="449"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value=""/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Construction"/>	Start Date:	<input type="text" value="2009"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="ENN Group"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="ENN Group"/>			Plant Name:	<input type="text" value="Fenghuang Fertilizer Plant"/>		
Gas'n Tech.:	<input type="text" value="ECUST OMB Gasifier"/>		<input type="text" value="East China University of Science & Tech"/>		<input type="text"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Zhou Zhi Jie"/>		<input type="text" value="zzj@ecust.edu.cn"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="ENN Group"/>	Facility Name:	<input type="text" value="Fenghuang Fertilizer Plant"/>
Location: (City/State/Prov)	<input type="text"/>	Facility Type:	<input type="text"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Construction"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/>	<input type="text" value="Coal"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	Syngas Cap.:	<input type="text" value="4,560,000"/>	<input type="text"/>
Feed2:	<input type="text"/>	<input type="text"/>		(Nm3/d)	(Source)
Feed3:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="340.4"/>	<input type="text"/>
				(Calculated)	
Main Product:	<input type="text" value="Chemicals"/>		Fuel Input:	<input type="text"/>	<input type="text"/>
	(Category)			(MWt)	(Source)
Product1:	<input type="text" value="Chemicals"/>	<input type="text"/>	Syngas Output:	<input type="text" value="623.0"/>	<input type="text"/>
Product2:	<input type="text"/>	<input type="text"/>		(MWt)	(Source)
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:
	(Supplier)	(Process)	(Supplier) (Process)
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (Production)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

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Key Gasifier Information

Gasifier ID:	450	No. of Gasifiers: Op'g/Sp/Total	1/ / 1	Gasifier Status:	Operating	Start Date:	2009
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Chemicals
Plt. Owner:	Jiangsu Linggu Chemicals Co., Ltd.			Plt. Owner Type:			
Plt. Operator:	Jiangsu Linggu Chemicals Co., Ltd.			Plant Name:	Jiangsu Linggu Chemicals Co., Ltd.		
Gas'n Tech.:	ECUST OMB Gasifier		East China University of Science & Tech				
	(Technology Name)		(Licensor)	(Technology Type)			
Vendor Contact:	Zhou Zhi Jie		zzj@ecust.edu.cn				
	(Contact)		(Email)				
Project Contact:							
	(Contact)		(Email)				

Facility Information

Facility Owner:	Jiangsu Linggu Chemicals Co., Ltd.		Facility Name:	Jiangsu Linggu Chemicals Co., Ltd.	
Location: (City/State/Prov)			Facility Type:		
(Country)	China		Facility Status:	Operating	
(Region)	Asia/Australia				

Feed/Product Information

Main Feed:	Solid	Coal	Rate (MAF):		
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	Coal		Syngas Cap.:	2,832,000	
Feed2:				(Nm3/d)	(Source)
Feed3:			Eq. IGCC Cap., MWe:	211.4	
				(Calculated)	
Main Product:	Chemicals		Fuel Input:		
	(Category)			(MWt)	(Source)
Product1:	Chemicals		Syngas Output:	387.0	
Product2:				(MWt)	(Source)
Product3:					

Other Information

O2 Supply:								
	(Oxidant)	(ASU Supplier)	(ASU Integration)					
Syngas Cooler:			Soot Handling:					
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)					
Gas Cleanup:			Sulfur Removal:					
	(Supplier)	(Process)	(Supplier)	(Process)				
Gas Turbine:								
	(No.)	(Supplier)	(Model)	(MWout)				
HRSG:			Steam Turbine:					
	(No.)	(Supplier)	(Model)	(Production)	(No.)	(Supplier)	(Model)	(MWout)
Prin. Contractor:		Engineer:		Constructor:				

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	451	No. of Gasifiers: Op'g/Sp/Total	1/ / 1	Gasifier Status:	Operating	Start Date:	2009
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Chemicals
Plt. Owner:	Jiangsu Sopo Group			Plt. Owner Type:			
Plt. Operator:	Jiangsu Sopo Group			Plant Name:	Jiangsu Sopo Group		
Gas'n Tech.:	ECUST OMB Gasifier		East China University of Science & Tech				
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	Zhou Zhi Jie		zzj@ecust.edu.cn				
	(Contact)		(Email)				
Project Contact:							
	(Contact)			(Email)			

Facility Information

Facility Owner:	Jiangsu Sopo Group		Facility Name:	Jiangsu Sopo Group	
Location: (City/State/Prov)			Facility Type:		
(Country)	China		Facility Status:	Operating	
(Region)	Asia/Australia				

Feed/Product Information

Main Feed:	Solid	Coal	Rate (MAF):		
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	Coal		Syngas Cap.:	5,184,000	
Feed2:				(Nm3/d)	(Source)
Feed3:			Eq. IGCC Cap., MWe:	387.0	
				(Calculated)	
Main Product:	Chemicals		Fuel Input:		
	(Category)			(MWt)	(Source)
Product1:	Chemicals		Syngas Output:	708.0	
Product2:				(MWt)	(Source)
Product3:					

Other Information

O2 Supply:								
	(Oxidant)	(ASU Supplier)	(ASU Integration)					
Syngas Cooler:			Soot Handling:					
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)					
Gas Cleanup:			Sulfur Removal:					
	(Supplier)	(Process)	(Supplier)	(Process)				
Gas Turbine:								
	(No.)	(Supplier)	(Model)	(MWout)				
HRSG:			Steam Turbine:					
	(No.)	(Supplier)	(Model)	(Production)	(No.)	(Supplier)	(Model)	(MWout)
Prin. Contractor:		Engineer:		Constructor:				

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="452"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value=""/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Construction"/>	Start Date:	<input type="text" value="2010"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Shenhua Ningxia Coal Group"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Shenhua Ningxia Coal Group"/>			Plant Name:	<input type="text" value="Shenhua Ningxia Coal Group"/>		
Gas'n Tech.:	<input type="text" value="ECUST OMB Gasifier"/>		<input type="text" value="East China University of Science & Tech"/>		<input type="text"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Zhou Zhi Jie"/>		<input type="text" value="zzj@ecust.edu.cn"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="Shenhua Ningxia Coal Group"/>	Facility Name:	<input type="text" value="Shenhua Ningxia Coal Group"/>
Location: (City/State/Prov)	<input type="text"/>	Facility Type:	<input type="text"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Construction"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <input type="text" value="Coal"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	(Category) (Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/>	Syngas Cap.:	<input type="text" value="5,280,000"/>	<input type="text"/>
Feed2:	<input type="text"/>		(Nm3/d)	(Source)
Feed3:	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="394.2"/>	<input type="text"/>
			(Calculated)	
Main Product:	<input type="text" value="Chemicals"/>	Fuel Input:	<input type="text"/>	<input type="text"/>
	(Category)		(MWt)	(Source)
Product1:	<input type="text" value="Chemicals"/>	Syngas Output:	<input type="text" value="721.0"/>	<input type="text"/>
Product2:	<input type="text"/>		(MWt)	(Source)
Product3:	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Supplier)	(Process)	(Process)
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(MWout)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(MWout)
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="453"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value=""/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Construction"/>	Start Date:	<input type="text" value="2010"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Ningbo Wanhua Co.Ltd."/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Ningbo Wanhua Co.Ltd."/>			Plant Name:	<input type="text" value="Ningbo Wanhua Co.Ltd."/>		
Gas'n Tech.:	<input type="text" value="ECUST OMB Gasifier"/>		<input type="text" value="East China University of Science & Tech"/>		<input type="text"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Zhou Zhi Jie"/>		<input type="text" value="zzj@ecust.edu.cn"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="Ningbo Wanhua Co.Ltd."/>		Facility Name:	<input type="text" value="Ningbo Wanhua Co.Ltd."/>	
Location: (City/State/Prov)	<input type="text"/>		Facility Type:	<input type="text"/>	
(Country)	<input type="text" value="China"/>		Facility Status:	<input type="text" value="Construction"/>	
(Region)	<input type="text" value="Asia/Australia"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/>	<input type="text" value="Coal"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	Syngas Cap.:	<input type="text" value="3,600,000"/>	<input type="text"/>
Feed2:	<input type="text"/>	<input type="text"/>		(Nm3/d)	(Source)
Feed3:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="268.7"/>	<input type="text"/>
				(Calculated)	
Main Product:	<input type="text" value="Chemicals"/>		Fuel Input:	<input type="text"/>	<input type="text"/>
	(Category)			(MWt)	(Source)
Product1:	<input type="text" value="Chemicals"/>	<input type="text"/>	Syngas Output:	<input type="text" value="492.0"/>	<input type="text"/>
Product2:	<input type="text"/>	<input type="text"/>		(MWt)	(Source)
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:
	(Supplier)	(Process)	<input type="text"/>
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(MWout)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(MWout)
Prin. Contractor:	<input type="text"/>		Engineer:
			<input type="text"/>
Constructor:	<input type="text"/>		

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="455"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value=""/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Development"/>	Start Date:	<input type="text" value="2012"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Shandong Jiutai Co. Ltd."/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Shandong Jiutai Co. Ltd."/>			Plant Name:	<input type="text" value="Shandong Jiutai Co. Ltd."/>		
Gas'n Tech.:	<input type="text" value="ECUST OMB Gasifier"/>		<input type="text" value="East China University of Science & Tech"/>		<input type="text"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Zhou Zhi Jie"/>		<input type="text" value="zzj@ecust.edu.cn"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="Shandong Jiutai Co. Ltd."/>		Facility Name:	<input type="text" value="Shandong Jiutai Co. Ltd."/>	
Location:	<input type="text"/>		Facility Type:	<input type="text"/>	
	(City/State/Prov)				
	(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Development"/>	
	(Region)	<input type="text" value="Asia/Australia"/>			

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/>	<input type="text" value="Coal"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	Syngas Cap.:	<input type="text" value="14,016,000"/>	<input type="text"/>
				(Nm3/d)	(Source)
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="1,046.3"/>	
				(Calculated)	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/>		Fuel Input:	<input type="text"/>	<input type="text"/>
	(Category)			(MWt)	(Source)
Product1:	<input type="text" value="Chemicals"/>	<input type="text"/>	Syngas Output:	<input type="text" value="1,914.0"/>	<input type="text"/>
				(MWt)	(Source)
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:
	(Supplier)	(Process)	<input type="text"/>
			(Supplier)
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (Production)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
Prin. Contractor:	<input type="text"/>		Engineer:
			<input type="text"/>
			Constructor:
			<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	457	No. of Gasifiers: Op'g/Sp/Total	1/ / 1	Gasifier Status:	Construction	Start Date:	2011
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Chemicals
Plt. Owner:	Shandong Shengda Co., Ltd			Plt. Owner Type:			
Plt. Operator:	Shandong Shengda Co., Ltd			Plant Name:	Shengda Ningdong Chemicals Co., Ltd		
Gas'n Tech.:	ECUST OMB Gasifier		East China University of Science & Tech				
	(Technology Name)		(Licensor)	(Technology Type)			
Vendor Contact:	Zhou Zhi Jie		zzj@ecust.edu.cn				
	(Contact)		(Email)				
Project Contact:							
	(Contact)		(Email)				

Facility Information

Facility Owner:	Shandong Shengda Co., Ltd		Facility Name:	Shengda Ningdong Chemicals Co., Ltd		
Location:	(City/State/Prov)		Facility Type:			
	(Country)		Facility Status:	Construction		
	(Region)					

Feed/Product Information

Main Feed:	Solid	Coal	Rate (MAF):		
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	Coal		Syngas Cap.:	6,288,000	
Feed2:				(Nm3/d)	(Source)
Feed3:			Eq. IGCC Cap., MWe:	469.4	
				(Calculated)	
Main Product:	Chemicals		Fuel Input:		
	(Category)			(MWt)	(Source)
Product1:	Chemicals		Syngas Output:	859.0	
Product2:				(MWt)	(Source)
Product3:					

Other Information

O2 Supply:								
	(Oxidant)	(ASU Supplier)	(ASU Integration)					
Syngas Cooler:			Soot Handling:					
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)					
Gas Cleanup:			Sulfur Removal:					
	(Supplier)	(Process)	(Supplier)	(Process)				
Gas Turbine:								
	(No.)	(Supplier)	(Model)	(MWout)				
HRSG:			Steam Turbine:					
	(No.)	(Supplier)	(Model)	(Production)	(No.)	(Supplier)	(Model)	(MWout)
Prin. Contractor:		Engineer:		Constructor:				

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	459	No. of Gasifiers: Op'g/Sp/Total	1/ / 1	Gasifier Status:	Development	Start Date:	2012
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Chemicals
Plt. Owner:	Yankuang Group			Plt. Owner Type:			
Plt. Operator:	Yankuang Group			Plant Name:	Yankuang Xinjiang Coal Chemicals Co. Ltd		
Gas'n Tech.:	ECUST OMB Gasifier (Technology Name)		East China University of Science & Tech (Licensor)				
Vendor Contact:	Zhou Zhi Jie (Contact)		zzj@ecust.edu.cn (Email)				
Project Contact:							

Facility Information

Facility Owner:	Yankuang Group Yankuang Group		Facility Name:	Yankuang Xinjiang Coal Chemicals Co. Ltd		
Location: (City/State/Prov)			Facility Type:			
(Country)	China		Facility Status:	Development		
(Region)	Asia/Australia					

Feed/Product Information

Main Feed:	Solid (Category)	Coal (Classification)	Rate (MAF):		
			(mt/d)	(Source)	
Feed1:	Coal		Syngas Cap.:	7,056,000 (Nm3/d)	(Source)
Feed2:			Eq. IGCC Cap., MWe:	526.7 (Calculated)	
Feed3:					
Main Product:	Chemicals (Category)		Fuel Input:		
			(MWt)	(Source)	
Product1:	Chemicals		Syngas Output:	963.0 (MWt)	(Source)
Product2:					
Product3:					

Other Information

O2 Supply:							
(Oxidant)	(ASU Supplier)	(ASU Integration)					
Syngas Cooler:			Soot Handling:				
(Cooler Type)	(Cooler Supplier)	(MWth Duty)					
Gas Cleanup:			Sulfur Removal:				
(Supplier)	(Process)	(Supplier)	(Process)				
Gas Turbine:							
(No.)	(Supplier)	(Model)	(MWout)				
HRSG:			Steam Turbine:				
(No.)	(Supplier)	(Model)	(Production)	(No.)	(Supplier)	(Model)	(MWout)
Prin. Contractor:		Engineer:		Constructor:			

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="462"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value=""/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Development"/>	Start Date:	<input type="text" value="2011"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="CNOOC Group"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="CNOOC Group"/>			Plant Name:	<input type="text" value="Neimeng Tianye Chemical Co.Ltd."/>		
Gas'n Tech.:	<input type="text" value="ECUST OMB Gasifier"/>		<input type="text" value="East China University of Science & Tech"/>		<input type="text"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Zhou Zhi Jie"/>		<input type="text" value="zzj@ecust.edu.cn"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="CNOOC Group"/>	Facility Name:	<input type="text" value="Neimeng Tianye Chemical Co.Ltd."/>
Location: (City/State/Prov)	<input type="text"/>	Facility Type:	<input type="text"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Development"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <input type="text" value="Coal"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	(Category) (Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/>	Syngas Cap.:	<input type="text" value="3,078,720"/>	<input type="text"/>
Feed2:	<input type="text"/>		(Nm3/d)	(Source)
Feed3:	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="229.8"/>	<input type="text"/>
			(Calculated)	
Main Product:	<input type="text" value="Chemicals"/>	Fuel Input:	<input type="text"/>	<input type="text"/>
	(Category)		(MWt)	(Source)
Product1:	<input type="text" value="Chemicals"/>	Syngas Output:	<input type="text" value="420.0"/>	<input type="text"/>
Product2:	<input type="text"/>		(MWt)	(Source)
Product3:	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Supplier)	(Process)	(Process)
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Production)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(MWout)
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="463"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value=""/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Development"/>	Start Date:	<input type="text" value="2011"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="CNOOC Group"/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="CNOOC Group"/>			Plant Name:	<input type="text" value="Shanxi Hualu Coal Chemical Co.Ltd."/>		
Gas'n Tech.:	<input type="text" value="ECUST OMB Gasifier"/>		<input type="text" value="East China University of Science & Tech"/>		<input type="text"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Zhou Zhi Jie"/>		<input type="text" value="zzj@ecust.edu.cn"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="CNOOC Group"/>	Facility Name:	<input type="text" value="Shanxi Hualu Coal Chemical Co.Ltd."/>
Location: (City/State/Prov)	<input type="text"/>	Facility Type:	<input type="text"/>
(Country)	<input type="text" value="China"/>	Facility Status:	<input type="text" value="Development"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <input type="text" value="Coal"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	(Category) (Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/>	Syngas Cap.:	<input type="text" value="2,160,000"/>	<input type="text"/>
Feed2:	<input type="text"/>		(Nm3/d)	(Source)
Feed3:	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="161.2"/>	
			(Calculated)	
Main Product:	<input type="text" value="Chemicals"/>	Fuel Input:	<input type="text"/>	<input type="text"/>
	(Category)		(MWt)	(Source)
Product1:	<input type="text" value="Chemicals"/>	Syngas Output:	<input type="text" value="295.0"/>	<input type="text"/>
Product2:	<input type="text"/>		(MWt)	(Source)
Product3:	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Supplier)	(Process)	Sulfur Removal: <input type="text"/>
			(Supplier) (Process)
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (Production)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID: <input type="text" value="97"/>	No. of Gasifiers: Op'g/Sp/Total <input type="text" value="6"/> / <input type="text" value="0"/> / <input type="text" value="6"/>	Gasifier Status: <input type="text" value="Operating"/>	Start Date: <input type="text" value="Jan, 1971"/>
Project Count: <input type="text" value="1"/>	Plt. Type: <input type="text" value="Commercial"/>	Project Reality: <input type="text" value="Active-Real"/>	Application: <input type="text" value="Syngas for Chemicals"/>
Plt. Owner: <input type="text" value="UNI Petrol"/>	Plt. Owner Type: <input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator: <input type="text" value="UNI Petrol"/>	Plant Name: <input type="text" value="Most Gasification Plant"/>		
Gas'n Tech.: <input type="text" value="Shell Gasification Process"/>	<input type="text" value="Shell"/>	<input type="text" value="Entrained-flow gasification"/>	
	<small>(Technology Name)</small>	<small>(Licensor)</small>	<small>(Technology Type)</small>
Vendor Contact: <input type="text" value="Jim Volk"/>	<input type="text" value="jim.volk@shell.com"/>		
	<small>(Contact)</small>	<small>(Email)</small>	
Project Contact: <input type="text"/>	<input type="text"/>		
	<small>(Contact)</small>	<small>(Email)</small>	

Facility Information

Facility Owner: <input type="text" value="Chemopetrol a.s."/>	Facility Name: <input type="text" value="Most Chemical Plant"/>
Location: (City/State/Prov) <input type="text" value="Most, Litvinov"/>	Facility Type: <input type="text" value="Chemical Plant"/>
(Country) <input type="text" value="Czech Republic"/>	Facility Status: <input type="text" value="Operating"/>
(Region) <input type="text" value="Europe"/>	

Feed/Product Information

Main Feed: <input type="text" value="Liquid"/>	<input type="text" value="Petroleum"/>	Rate (MAF): <input type="text" value="1,238.5"/>	<input type="text" value="Estimate"/>
<small>(Category)</small>	<small>(Classification)</small>	<small>(mt/d)</small>	<small>(Source)</small>
Feed1: <input type="text" value="Vac. residue"/>	<input type="text" value="1,250"/>	<input type="text" value="mt/d"/>	Syngas Cap.: <input type="text" value="3,600,000"/>
Feed2: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Nm3/d)</small>
Feed3: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Source)</small>
Main Product: <input type="text" value="Chemicals"/>	Fuel Input: <input type="text" value="600.1"/>		
<small>(Category)</small>	<small>(MWt) (Source)</small>		
Product1: <input type="text" value="Methanol"/>	<input type="text"/>	<input type="text" value="mt/d"/>	Syngas Output: <input type="text" value="492.1"/>
Product2: <input type="text" value="Ammonia"/>	<input type="text"/>	<input type="text" value="mt/d"/>	<small>(MWt) (Source)</small>
Product3: <input type="text"/>	<input type="text"/>	<input type="text"/>	

Other Information

O2 Supply: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler: <input type="text" value="Fire-tube boiler"/>	<input type="text"/>	<input type="text"/>
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup: <input type="text"/>	<input type="text"/>	Sulfur Removal: <input type="text"/>
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>
Gas Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>
		<small>(MWout)</small>
HRSG: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>
		<small>(Production)</small>
	Steam Turbine: <input type="text"/>	<input type="text"/>
	<small>(No.)</small>	<small>(Supplier)</small>
		<small>(Model)</small>
		<small>(MWout)</small>
Prin. Contractor: <input type="text" value="Lurgi GmbH"/>	Engineer: <input type="text"/>	Constructor: <input type="text" value="Lurgi GmbH"/>

Gasification Database Gasification Plant Report

Date Modified:

12-Aug-04

Key Gasifier Information

Gasifier ID: 274	No. of Gasifiers: Op'g/Sp/Total 13/ 13/ 26	Gasifier Status: Operating	Start Date: 1996
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Power
Plt. Owner: Sokolovska Uhelna, A.S.	Plt. Owner Type: Mining		
Plt. Operator: Sokolovska Uhelna, A.S.	Plant Name: Vresova IGCC Plant		
Gas'n Tech.: Lurgi Dry Ash Gasification Process <small>(Technology Name)</small>	Lurgi GmbH <small>(Licensor)</small>	Moving-bed gasification <small>(Technology Type)</small>	
Vendor Contact: Pauli Bauman <small>(Contact)</small>	pauli.bauman@sasol.com <small>(Email)</small>		
Project Contact: Jan Krouzecky <small>(Contact)</small>	krouzecky@suas.cz <small>(Email)</small>		

Facility Information

Facility Owner: Sokolovska Uhelna, A.S.	Facility Name: Vresova Town Gas Plant
Location: (City/State/Prov) Vresova	Facility Type: Lignite Processing Plant
(Country) Czech Republic	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Solid Coal <small>(Category) (Classification)</small>	Rate (MAF): 2,040.0 Estimate <small>(mt/d) (Source)</small>
Feed1: Lignite 2,040 mt/d	Syngas Cap.: 4,700,000 Estimate <small>(Nm3/d) (Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 350.9 <small>(Calculated)</small>
Feed3:	
Main Product: Power <small>(Category)</small>	Fuel Input: 795.5 Estimate <small>(MWt) (Source)</small>
Product1: Electricity 350 MW	Syngas Output: 636.4 Estimate <small>(MWt) (Source)</small>
Product2: Steam t/hr	
Product3:	

Other Information

O2 Supply:			
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>	
Syngas Cooler:			Soot Handling:
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>	
Gas Cleanup:	Rectisol	Sulfur Removal:	
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine: 2	General Electric Co.	9E	400
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
HRSG:			
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>
Steam Turbine:			
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
Prin. Contractor:		Engineer:	
			Constructor:

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	333	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	2008
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Power
Plt. Owner:	Sokolovska Uhelna, A.S.			Plt. Owner Type:	Mining Company		
Plt. Operator:	Sokolovska Uhelna, A.S.			Plant Name:	Thermoselece Vresova		
Gas'n Tech.:	Siemens SFG Gasification Process <small>(Technology Name)</small>		Siemens Power Generation <small>(Licensor)</small>		Entrained-flow gasification <small>(Technology Type)</small>		
Vendor Contact:	Harry Morehead <small>(Contact)</small>			harry.morehead@siemens.com <small>(Email)</small>			
Project Contact:	Anton Habertzettl <small>(Contact)</small>			anton.habertzettl@siemens.com <small>(Email)</small>			

Facility Information

Facility Owner:	Chemoprojekt, a.s.	Facility Name:	Thermoselece Vresova
Location: (City/State/Prov)	Vresova	Facility Type:	Lignite Processing
(Country)	Czech Republic	Facility Status:	Operating
(Region)	Europe		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Other <small>(Classification)</small>	Rate (MAF):			
				<small>(mt/d)</small>	<small>(Source)</small>	
Feed1:	Tars and Oils	1,968	mt/d	Syngas Cap.:	750,147	Gasifier licensor
Feed2:					<small>(Nm3/d)</small>	<small>(Source)</small>
Feed3:				Eq. IGCC Cap., MWe:	56.0	<small>(Calculated)</small>
Main Product:	Power <small>(Category)</small>			Fuel Input:	175.0 Estimate	
Product1:					<small>(MWt)</small>	<small>(Source)</small>
Product2:				Syngas Output:	140.0 Estimate	
Product3:					<small>(MWt)</small>	<small>(Source)</small>

Other Information

O2 Supply:	Oxygen <small>(Oxidant)</small>				
	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>			
Syngas Cooler:				Soot Handling:	
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>		
Gas Cleanup:		Rectisol <small>(Process)</small>	Sulfur Removal:		<small>(Process)</small>
	<small>(Supplier)</small>			<small>(Supplier)</small>	
Gas Turbine:	2	General Electric Co.	9E	400	
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	
Steam Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
Prin. Contractor:				Engineer:	Krupp Unde/Lurgi Envirotherm
				Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID: **No. of Gasifiers: Op'g/Sp/Total** / / **Gasifier Status:** **Start Date:**

Project Count: **Plt. Type:** **Project Reality:** **Application:**

Plt. Owner: **Plt. Owner Type:**

Plt. Operator: **Plant Name:**

Gas'n Tech.:

(Technology Name) (Licensor) (Technology Type)

Vendor Contact:

(Contact) (Email)

Project Contact:

(Contact) (Email)

Facility Information

Facility Owner: **Facility Name:**

Location: (City/State/Prov) **Facility Type:**

(Country) **Facility Status:**

(Region)

Feed/Product Information

Main Feed: **Rate (MAF):**

(Category) (Classification) (mt/d) (Source)

Feed1: **Syngas Cap.:**

(Nm3/d) (Source)

Feed2: **Eq. IGCC Cap., MWe:**

(Calculated)

Feed3:

Main Product:

(Category)

Product1: **Fuel Input:**

(MWt) (Source)

Product2: **Syngas Output:**

(MWt) (Source)

Product3:

Other Information

O2 Supply:

(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler: **Soot Handling:**

(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup: **Sulfur Removal:**

(Supplier) (Process) (Supplier) (Process)

Gas Turbine:

(No.) (Supplier) (Model) (MWout)

HRSG: **Steam Turbine:**

(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

08-Dec-99

Key Gasifier Information

Gasifier ID: <input type="text" value="90"/>	No. of Gasifiers: Op'g/Sp/Total <input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status: <input type="text" value="Operating"/>	Start Date: <input type="text" value="Jan, 1965"/>
Project Count: <input type="text" value="1"/>	Plt. Type: <input type="text" value="Commercial"/>	Project Reality: <input type="text" value="Active-Real"/>	Application: <input type="text" value="Syngas for Chemicals"/>
Plt. Owner: <input type="text" value="Kemira Chemicals Oy"/>	Plt. Owner Type: <input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator: <input type="text" value="Kemira Chemicals Oy"/>	Plant Name: <input type="text" value="Oulu Syngas Plant-I"/>		
Gas'n Tech.: <input type="text" value="Shell Gasification Process"/>	<input type="text" value="Shell"/>	<input type="text" value="Entrained-flow gasification"/>	
<small>(Technology Name)</small>		<small>(Licensor)</small>	<small>(Technology Type)</small>
Vendor Contact: <input type="text" value="Jim Volk"/>	<input type="text" value="jim.volk@shell.com"/>		
<small>(Contact)</small>	<small>(Email)</small>		
Project Contact: <input type="text"/>	<input type="text"/>		
<small>(Contact)</small>	<small>(Email)</small>		

Facility Information

Facility Owner: <input type="text" value="Kemira Chemicals Oy"/>	Facility Name: <input type="text" value="Oulu Chemical Plant"/>
Location: (City/State/Prov) <input type="text" value="Oulu"/>	Facility Type: <input type="text" value="Chemical Plant"/>
(Country) <input type="text" value="Finland"/>	Facility Status: <input type="text" value="Operating"/>
(Region) <input type="text" value="Europe"/>	

Feed/Product Information

Main Feed: <input type="text" value="Liquid"/>	<input type="text" value="Petroleum"/>	Rate (MAF): <input type="text" value="105.0"/>	<input type="text" value="Estimate"/>
<small>(Category)</small>	<small>(Classification)</small>	<small>(mt/d)</small>	<small>(Source)</small>
Feed1: <input type="text" value="Bunker C fuel oil"/>	<input type="text"/>	<input type="text" value="300,000"/>	<input type="text" value="Gasifier licensor"/>
Feed2: <input type="text"/>	<input type="text"/>	<input type="text" value="22.4"/>	<input type="text"/>
Feed3: <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Main Product: <input type="text" value="Chemicals"/>	Fuel Input: <input type="text" value="50.0"/>		
<small>(Category)</small>	<small>(MWt) (Source)</small>		
Product1: <input type="text" value="Syngas"/>	<input type="text" value="300,000"/>	<input type="text" value="41.0"/>	<input type="text" value="Estimate"/>
Product2: <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Product3: <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
		<small>(MWt) (Source)</small>	

Other Information

O2 Supply: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler: <input type="text" value="Fire-tube boiler"/>	<input type="text"/>	<input type="text"/>
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup: <input type="text"/>	<input type="text"/>	Sulfur Removal: <input type="text"/>
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier) (Process)</small>
Gas Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.) (Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
HRSG: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.) (Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>
Steam Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.) (Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
Prin. Contractor: <input type="text" value="Lurgi GmbH"/>	Engineer: <input type="text"/>	Constructor: <input type="text" value="Lurgi GmbH"/>

Gasification Database Gasification Plant Report

Date Modified:

21-Feb-01

Key Gasifier Information

Gasifier ID:	280	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	2001
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Gases
Plt. Owner:	Corenso United Oy Ltd.			Plt. Owner Type:	Pulp & Paper Processing		
Plt. Operator:	Corenso United Oy Ltd.			Plant Name:	Varkaus ACFBG Plant		
Gas'n Tech.:	Foster Wheeler Atmospheric Circulating Fluidized Bed Gasifier <small>(Technology Name)</small>		Foster Wheeler International <small>(Licensor)</small>	Fluidized-bed gasification <small>(Technology Type)</small>			
Vendor Contact:	John Hemmings <small>(Contact)</small>		john_hemmings@fwc.com <small>(Email)</small>				
Project Contact:							
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	Corenso United Oy Ltd.	Facility Name:	Varkaus Gas Plant
Location: (City/State/Prov)	Varkaus	Facility Type:	Pulp & Paper Mill
(Country)	Finland	Facility Status:	Operating
(Region)	Europe		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Biomass/Waste <small>(Classification)</small>	Rate (MAF):		
				<small>(mt/d)</small>	<small>(Source)</small>
Feed1:	Packaging wastes		mt/d	Syngas Cap.:	234,133 Estimate <small>(Nm3/d) (Source)</small>
Feed2:				Eq. IGCC Cap., MWe:	17.5 <small>(Calculated)</small>
Feed3:					
Main Product:	Gaseous fuels <small>(Category)</small>		Fuel Input:	40.0 Gasifier licensor data <small>(MWt) (Source)</small>	
Product1:	Syngas		Nm3/d	Syngas Output:	32.0 Estimate <small>(MWt) (Source)</small>
Product2:					
Product3:					

Other Information

O2 Supply:	Air <small>(Oxidant)</small>				
	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>			
Syngas Cooler:				Soot Handling:	
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>		
Gas Cleanup:			Sulfur Removal:		
	<small>(Supplier)</small>	<small>(Process)</small>		<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model) (MWout)</small>		
HRSG:	1		12.5 kg/s	Steam Turbine:	
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model) (Production)</small>		<small>(No.) (Supplier) (Model) (MWout)</small>
Prin. Contractor:			Engineer:		
	<small>(Contact)</small>			<small>(Contact)</small>	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	314	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	Jan, 1998
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Power
Plt. Owner:	Lahden Lämpövoima Oy			Plt. Owner Type:	Utility		
Plt. Operator:	Lahden Lämpövoima Oy			Plant Name:	Kymijärvi ACFBG Plant		
Gas'n Tech.:	Foster Wheeler Atmospheric Circulating Fluidized Bed Gasifier <small>(Technology Name)</small>		Foster Wheeler International <small>(Licensor)</small>	Fluidized-bed gasification <small>(Technology Type)</small>			
Vendor Contact:	John Hemmings <small>(Contact)</small>		john_hemmings@fwc.com <small>(Email)</small>				
Project Contact:							
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	Lahden Lämpövoima Oy	Facility Name:	Kymijärvi Power Station
Location: (City/State/Prov)	Lahti	Facility Type:	Electric Utility
(Country)	Finland	Facility Status:	Operating
(Region)	Europe		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Biomass/Waste <small>(Classification)</small>	Rate (MAF):		
				<small>(mt/d)</small>	<small>(Source)</small>
Feed1:	Biofuels		mt/d	Syngas Cap.:	351,118 Estimate
Feed2:					<small>(Nm3/d)</small> <small>(Source)</small>
Feed3:				Eq. IGCC Cap., MWe:	26.2
					<small>(Calculated)</small>
Main Product:	Power <small>(Category)</small>		Fuel Input:	60.0 Gasifier licensor data	
Product1:	Electricity	42	MWe		<small>(MWt)</small> <small>(Source)</small>
Product2:	District heat			Syngas Output:	48.0 Estimate
Product3:					<small>(MWt)</small> <small>(Source)</small>

Other Information

O2 Supply:	Air <small>(Oxidant)</small>				
	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>			
Syngas Cooler:				Soot Handling:	
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>		
Gas Cleanup:			Sulfur Removal:		
	<small>(Supplier)</small>	<small>(Process)</small>		<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:	1		49		
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(MWout)</small>
Steam Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
Prin. Contractor:			Engineer:		
	<small>(Contact)</small>			<small>(Email)</small>	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	316	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	Oct. 1983
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Fuels
Plt. Owner:	Oy W. Schauman Ab Mills			Plt. Owner Type:	Pulp & Paper Processing		
Plt. Operator:	Oy W. Schauman Ab Mills			Plant Name:	Pietarsaari ACFBG Unit		
Gas'n Tech.:	Foster Wheeler Atmospheric Circulating Fluidized Bed Gasifier <small>(Technology Name)</small>		Foster Wheeler International <small>(Licensor)</small>	Fluidized-bed gasification <small>(Technology Type)</small>			
Vendor Contact:	John Hemmings <small>(Contact)</small>		john_hemmings@fwc.com <small>(Email)</small>				
Project Contact:							
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	Oy W. Schauman Ab Mills	Facility Name:	Pietarsaari Kiln
Location: (City/State/Prov)	Pietarsaari	Facility Type:	Pulp & Paper Mill
(Country)	Finland	Facility Status:	Operating
(Region)	Europe		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Biomass/Waste <small>(Classification)</small>	Rate (MAF):			
				<small>(mt/d)</small>	<small>(Source)</small>	
Feed1:	Biofuels		mt/d	Syngas Cap.:	204,819	Estimate
Feed2:					<small>(Nm3/d)</small>	<small>(Source)</small>
Feed3:				Eq. IGCC Cap., MWe:	15.3	(Calculated)
Main Product:	Gaseous fuels <small>(Category)</small>			Fuel Input:	35.0	Gasifier licensor data
Product1:	Syngas		35 MWth		<small>(MWt)</small>	<small>(Source)</small>
Product2:				Syngas Output:	28.0	Estimate
Product3:					<small>(MWt)</small>	<small>(Source)</small>

Other Information

O2 Supply:	Air <small>(Oxidant)</small>							
	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>						
Syngas Cooler:					Soot Handling:			
	<small>(Cooler Type)</small>		<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>				
Gas Cleanup:			Sulfur Removal:					
	<small>(Supplier)</small>	<small>(Process)</small>			<small>(Process)</small>			
Gas Turbine:								
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>				
HRSG:					Steam Turbine:			
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
Prin. Contractor:			Engineer:			Constructor:		

Gasification Database Gasification Plant Report

Date Modified:

04-Mar-99

Key Gasifier Information

Gasifier ID:	<input type="text" value="256"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1952"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Fabrika Azotnih Jendinjenja"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Fabrika Azotnih Jendinjenja"/>			Plant Name:	<input type="text" value="Gorazde Ammonia Plant"/>		
Gas'n Tech.:	<input type="text" value="Low Pressure Winkler Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Kvaerner Process Technology"/> <small>(Licensor)</small>		<input type="text" value="Fluidized-bed gasification"/> <small>(Technology Type)</small>		
Vendor Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Fabrika Azotnih Jendinjenja"/>		Facility Name:	<input type="text" value="Gorazde Plant"/>	
Location:	<input type="text" value="Gorazde"/> <small>(City/State/Prov)</small>		Facility Type:	<input type="text" value="Chemical Plant"/>	
	<input type="text" value="Former Yugoslavia"/> <small>(Country)</small>		Facility Status:	<input type="text" value="Operating"/>	
	<input type="text" value="Europe"/> <small>(Region)</small>				

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Coal"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/>	<input type="text"/> <small>(Source)</small>
			<small>(mt/d)</small>		
Feed1:	<input type="text" value="Lignite"/>	<input type="text" value="53"/>	mt/d	Syngas Cap.:	<input type="text" value="120,000"/> <small>(Nm3/d)</small> Estimate
Feed2:	<input type="text"/>	<input type="text"/>			<small>(Source)</small>
Feed3:	<input type="text"/>	<input type="text"/>		Eq. IGCC Cap., MWe:	<input type="text" value="9.0"/> <small>(Calculated)</small>
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="20.5"/> <small>(MWt)</small> Estimate	
Product1:	<input type="text" value="Ammonia"/>	<input type="text"/>	mt/d	Syngas Output:	<input type="text" value="16.4"/> <small>(MWt)</small> Estimate
Product2:	<input type="text"/>	<input type="text"/>			<small>(Source)</small>
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text"/>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler:	<input type="text"/>	<input type="text"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>
				<input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>
			Steam Turbine:	<input type="text"/> <small>(No.)</small>
				<input type="text"/> <small>(Supplier)</small>
				<input type="text"/> <small>(Model)</small>
				<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text" value="Bamag Verfah."/>
			Constructor:	<input type="text" value="Bamag Verfah."/>

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="119"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1977"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Oxochimie S.A."/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Oxochimie S.A."/>			Plant Name:	<input type="text" value="Lavéra Syngas Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/>		<input type="text" value="GE"/>		<input type="text" value="Entrained-flow gasification"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Tim Huskey"/>			<input type="text" value="timothy.huskey@ge.com"/>			
	(Contact)			(Email)			
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="Oxochimie S.A."/>		Facility Name:	<input type="text" value="Lavéra Plant"/>	
Location: (City/State/Prov)	<input type="text" value="Lavéra"/>		Facility Type:	<input type="text" value="Chemical Plant"/>	
(Country)	<input type="text" value="France"/>		Facility Status:	<input type="text" value="Operating"/>	
(Region)	<input type="text" value="Europe"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Gaseous"/>	<input type="text" value="Gas"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Natural gas"/>	<input type="text" value="9"/>	<input type="text" value="MMscf/d"/>	Syngas Cap.:	<input type="text" value="590,976"/>
					(Nm3/d) Gasifier contractor
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="44.1"/>
					(Calculated)
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/>		Fuel Input:	<input type="text" value="98.5"/>	
	(Category)			(MWt)	(Source) Estimate
Product1:	<input type="text" value="Oxochemicals"/>	<input type="text"/>	<input type="text" value="mt/d"/>	Syngas Output:	<input type="text" value="80.8"/>
					(MWt) (Source) Estimate
Product2:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		

Other Information

O2 Supply:	<input type="text" value="Oxygen"/>	<input type="text"/>	<input type="text"/>				
	(Oxidant)	(ASU Supplier)	(ASU Integration)				
Syngas Cooler:	<input type="text" value="Radiant syngas cooler"/>		<input type="text" value="MAN GHH AG"/>	<input type="text"/>	Soot Handling:	<input type="text"/>	
	(Cooler Type)		(Cooler Supplier)	(MWth Duty)			
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:	<input type="text"/>	<input type="text"/>		
	(Supplier)	(Process)		(Supplier)	(Process)		
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>			
	(No.)	(Supplier)	(Model)	(MWout)			
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Steam Turbine:	<input type="text"/>	
	(No.)	(Supplier)	(Model)	(Production)		(No.) (Supplier) (Model) (MWout)	
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text" value="Uhde"/>		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="41"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="3"/> / <input type="text" value="1"/> / <input type="text" value="4"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1968"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Gases"/>
Plt. Owner:	<input type="text" value="BASF AG"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="BASF AG"/>			Plant Name:	<input type="text" value="Ludwigshafen H2 Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="BASF AG"/>		Facility Name:	<input type="text" value="Ludwigshafen Chemical facility"/>		
Location:	<input type="text" value="Ludwigshafen"/> <small>(City/State/Prov)</small>		Facility Type:	<input type="text" value="Chemical Plant"/>		
	<input type="text" value="Germany"/> <small>(Country)</small>		Facility Status:	<input type="text" value="Operating"/>		
	<input type="text" value="Europe"/> <small>(Region)</small>					

Feed/Product Information

Main Feed:	<input type="text" value="Liquid"/> <small>(Category)</small>	<input type="text" value="Petroleum"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="345.5"/> <small>(mt/d)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Feed1:	<input type="text" value="Fuel oil"/>	<input type="text" value="346"/>	<input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="980,208"/> <small>(Nm3/d)</small> <input type="text" value="Estimate"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="73.2"/> <small>(Calculated)</small>
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="167.4"/> <small>(MWt)</small> <input type="text" value="Estimate"/> <small>(Source)</small>	
Product1:	<input type="text" value="H2"/>	<input type="text" value="35"/>	<input type="text" value="MMscf/d"/>	Syngas Output:	<input type="text" value="134.0"/> <small>(MWt)</small> <input type="text" value="Estimate"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>		
Syngas Cooler:	<input type="text" value="MAN GHH AG"/> <small>(Cooler Type)</small>		<input type="text"/> <small>(Cooler Supplier)</small>	Soot Handling:	<input type="text"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>	
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>	Steam Turbine:
					<input type="text"/> <small>(No.)</small>
					<input type="text"/> <small>(Supplier)</small>
					<input type="text"/> <small>(Model)</small>
					<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text" value="Foster Wheeler"/>		Engineer:	<input type="text" value="Foster Wheeler"/>	
			Constructor:	<input type="text"/>	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="43"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1991"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Gases"/>
Plt. Owner:	<input type="text" value="Air Liquide (Dow Stade GmbH)"/>			Plt. Owner Type:	<input type="text" value="Industrial Gas Supply"/>		
Plt. Operator:	<input type="text" value="Air Liquide (Dow Stade GmbH)"/>			Plant Name:	<input type="text" value="Stade Syngas Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Air Liquide (Dow Stade GmbH)"/>		Facility Name:	<input type="text" value="Stade Chemical Plant"/>	
Location:	<input type="text" value="Stade"/> <small>(City/State/Prov)</small>		Facility Type:	<input type="text" value="Chemical Plant"/>	
	<input type="text" value="Germany"/> <small>(Country)</small>		Facility Status:	<input type="text" value="Operating"/>	
	<input type="text" value="Europe"/> <small>(Region)</small>				

Feed/Product Information

Main Feed:	<input type="text" value="Gaseous"/> <small>(Category)</small>	<input type="text" value="Gas"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Natural gas"/>	<input type="text" value="3,855,000"/>	<input type="text" value="MMscf/d"/>	Syngas Cap.:	<input type="text" value="264,000"/> <small>(Nm3/d)</small> <input type="text" value="Estimate"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="19.7"/> <small>(Calculated)</small>
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="42.5"/> <small>(MWt)</small> <input type="text" value="Estimate"/> <small>(Source)</small>	
Product1:	<input type="text" value="CO"/>	<input type="text"/>	<input type="text" value="mt/d"/>	Syngas Output:	<input type="text" value="36.1"/> <small>(MWt)</small> <input type="text" value="Estimate"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>		
Syngas Cooler:	<input type="text" value="Direct water quench cooler"/> <small>(Cooler Type)</small>		<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling: <input type="text"/>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>	
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>	Steam Turbine: <input type="text"/> <small>(No.)</small> <input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Model)</small> <input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text" value="Linde"/>		Engineer:	<input type="text"/>	Constructor: <input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID: 45	No. of Gasifiers: Op'g/Sp/Total 6/0/6	Gasifier Status: Operating	Start Date: 1985
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Total	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Total	Plant Name: Leuna Methanol Anlage		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: Mitteldeutsche Erdöl-Raffinerie GmbH	Facility Name: Mider Refinery
Location: (City/State/Prov) Leuna	Facility Type: Refinery
(Country) Germany	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 2,400.0 <small>(mt/d)</small>	Gasifier licensor data <small>(Source)</small>
Feed1: Visbreaker residue 2,400 mt/d	Syngas Cap.: 7,200,000 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 537.5 <small>(Calculated)</small>	
Feed3:		
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 1,162.9 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product1: H2 42 MMscf/d	Syngas Output: 984.3 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2: Methanol 600,000 mt/yr		
Product3: Electricity MW		

Other Information

O2 Supply:			
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>	
Syngas Cooler: Fire-tube boiler			Soot Handling: NSRU
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>	
Gas Cleanup: Lurgi Oel•Gas•Chemie GmbH	Rectisol	Sulfur Removal:	
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:			
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
HRSG:			
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>
Steam Turbine:			
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
Prin. Contractor:	Engineer:	Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="98"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="Feb. 1969"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Shell SDO"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Shell SDO"/>			Plant Name:	<input type="text" value="Wesseling Methanol Plant-VI"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="DEA Mineraloel AG"/>	Facility Name:	<input type="text" value="Wesseling Chemical Plant"/>
Location: (City/State/Prov)	<input type="text" value="Wesseling"/>	Facility Type:	<input type="text" value="Chemical Plant"/>
(Country)	<input type="text" value="Germany"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Europe"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Liquid"/> <small>(Category)</small>	<input type="text" value="Petroleum"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="447.2"/> <small>(mt/d)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Feed1:	<input type="text" value="Heavy cracked residu"/>	<input type="text" value="447"/>	<input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="1,300,000"/> <small>(Nm3/d)</small> <input type="text" value="Gasifier licensor"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="97.0"/> <small>(Calculated)</small>
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>				
Product1:	<input type="text" value="Methanol"/>	<input type="text" value="582"/>	<input type="text" value="mt/d"/>	Fuel Input:	<input type="text" value="216.7"/> <small>(MWt)</small> <input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Syngas Output:	<input type="text" value="177.7"/> <small>(MWt)</small> <input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler:	<input type="text" value="Fire-tube boiler"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal: <input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small> <input type="text"/> <small>(MWout)</small>
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small> <input type="text"/> <small>(Production)</small>
		<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small> <input type="text"/> <small>(Model)</small> <input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text" value="Lurgi GmbH"/>		Engineer: <input type="text"/>
		Constructor:	<input type="text" value="Lurgi GmbH"/>

Gasification Database Gasification Plant Report

Date Modified:

27-Aug-03

Key Gasifier Information

Gasifier ID: 104	No. of Gasifiers: Op'g/Sp/Total 4/ 0/ 4	Gasifier Status: Operating	Start Date: 1973
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Veba Oil Refining & Petrochemicals GmbH	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Veba Oil Refining & Petrochemicals GmbH	Plant Name: Gelsenkirchen-Scholven Ammonia/Methanol Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact: Dr. Thomas Sunderbrink <small>(Contact)</small>	thomas.sunderbrink@vorp.de <small>(Email)</small>		

Facility Information

Facility Owner: Veba Oil Refining & Petrochemicals GmbH	Facility Name: Gelsenkirchen-Scholven Chemical Plant
Location: (City/State/Prov) Gelsenkirchen	Facility Type: Chemical Plant
(Country) Germany	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 1,479.4 <small>(mt/d)</small>	Estimate <small>(Source)</small>
Feed1: Vac. residue 1,479 mt/d	Syngas Cap.: 4,300,000 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 321.0 <small>(Calculated)</small>	
Feed3:		
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 716.8 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product1: Ammonia 1,200 mt/d	Syngas Output: 587.8 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2: Methanol 600 mt/d		
Product3:		

Other Information

O2 Supply: Oxygen <small>(Oxidant)</small>				<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler: Fire-tube boiler <small>(Cooler Type)</small>				Soot Handling: Separate handling unit	
				<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup:				Sulfur Removal:	
				<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine: 0 <small>(No.)</small>		N.A.	0		
	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>		
HRSG: 0 <small>(No.)</small>		N.A.	0	Steam Turbine: 0 <small>(No.)</small>	
	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(Supplier)</small>	<small>(Model)</small>
				<small>(MWout)</small>	
Prin. Contractor: Lurgi GmbH	Engineer:		Constructor: Lurgi GmbH		

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	201	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	1966
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Chemicals
Plt. Owner:	BASF AG			Plt. Owner Type:	Oil Refining & Chemicals		
Plt. Operator:	BASF AG			Plant Name:	Ludwigshafen Oxochemicals Plant		
Gas'n Tech.:	GE Gasification Technology <small>(Technology Name)</small>		GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Tim Huskey <small>(Contact)</small>		timothy.huskey@ge.com <small>(Email)</small>				
Project Contact:							

Facility Information

Facility Owner:	BASF AG	Facility Name:	Ludwigshafen Chemical Plant
Location: (City/State/Prov)	Ludwigshafen	Facility Type:	Chemical Plant
(Country)	Germany	Facility Status:	Operating
(Region)	Europe		

Feed/Product Information

Main Feed:	Liquid <small>(Category)</small>	Petroleum <small>(Classification)</small>	Rate (MAF):	344.0 <small>(mt/d)</small>	Estimate <small>(Source)</small>	
Feed1:	Heavy fuel oil	344	mt/d	Syngas Cap.:	1,000,000 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:				Eq. IGCC Cap., MWe:	74.7 <small>(Calculated)</small>	
Feed3:						
Main Product:	Chemicals <small>(Category)</small>		Fuel Input:	166.7 <small>(MWt)</small>	Estimate <small>(Source)</small>	
Product1:	Oxochemicals		mt/d	Syngas Output:	136.7 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2:						
Product3:						

Other Information

O2 Supply:	Oxygen <small>(Oxidant)</small>			<small>(ASU Supplier)</small>		<small>(ASU Integration)</small>
Syngas Cooler:	Direct water quench cooler <small>(Cooler Type)</small>	MAN GHH AG <small>(Cooler Supplier)</small>			Soot Handling:	Partial recycle to gasifier
Gas Cleanup:				Sulfur Removal:		
Gas Turbine:						
HRSG:					Steam Turbine:	
Prin. Contractor:		Engineer:	Foster Wheeler, BASF	Constructor:		

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	202	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	1967
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Chemicals
Plt. Owner:	Chemische Werke Hüls AG			Plt. Owner Type:	Oil Refining & Chemicals		
Plt. Operator:	Chemische Werke Hüls AG			Plant Name:	Marl Oxochemicals Plant		
Gas'n Tech.:	GE Gasification Technology (Technology Name)		GE (Licensor)	Entrained-flow gasification (Technology Type)			
Vendor Contact:	Tim Huskey (Contact)		timothy.huskey@ge.com (Email)				
Project Contact:							

Facility Information

Facility Owner:	Chemische Werke Hüls AG		Facility Name:	Marl Chemical Plant		
Location: (City/State/Prov)	Marl		Facility Type:	Chemical Plant		
(Country)	Germany		Facility Status:	Operating		
(Region)	Europe					

Feed/Product Information

Main Feed:	Liquid (Category)	Petroleum (Classification)	Rate (MAF):	206.0 (mt/d)	Estimate (Source)
Feed1:	Heavy fuel oil	206	Syngas Cap.:	600,000 (Nm ³ /d)	Gasifier licensor (Source)
Feed2:			Eq. IGCC Cap., MWe:	44.8 (Calculated)	
Feed3:					
Main Product:	Chemicals (Category)		Fuel Input:	100.0 (MWt)	Estimate (Source)
Product1:	Oxochemicals		Syngas Output:	82.0 (MWt)	Gasifier licensor data (Source)
Product2:					
Product3:					

Other Information

O ₂ Supply:	Oxygen (Oxidant)				
Syngas Cooler:	Radiant syngas cooler (Cooler Type)		MAN GHH AG (Cooler Supplier)		Soot Handling: Total recycle to gasifier
Gas Cleanup:			Sulfur Removal:		
Gas Turbine:					
HRSG:			Steam Turbine:		
Prin. Contractor:		Engineer:		Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: 203	No. of Gasifiers: Op'g/Sp/Total 1/0/1	Gasifier Status: Operating	Start Date: 1969
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Chemische Werke Hüls AG	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Chemische Werke Hüls AG	Plant Name: Marl Oxochemicals Plant		
Gas'n Tech.: GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>		
Project Contact: <input type="text"/> <small>(Contact)</small>	<input type="text"/> <small>(Email)</small>		

Facility Information

Facility Owner: Chemische Werke Hüls AG	Facility Name: Marl Chemical Plant
Location: (City/State/Prov) Marl	Facility Type: Chemical Plant
(Country) Germany	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 206.0 <small>(mt/d)</small>	Estimate <small>(Source)</small>
Feed1: Vac. residue & heavy 206 mt/d	Syngas Cap.: 600,000 <small>(Nm3/d)</small>	Estimate <small>(Source)</small>
Feed2: <input type="text"/>	Eq. IGCC Cap., MWe: 44.8 <small>(Calculated)</small>	
Feed3: <input type="text"/>		
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 100.0 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product1: Oxochemicals <input type="text"/> mt/d	Syngas Output: 82.0 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product2: <input type="text"/>		
Product3: <input type="text"/>		

Other Information

O2 Supply: Oxygen <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler: Radiant syngas cooler <small>(Cooler Type)</small>	MAN GHH AG <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>
Gas Cleanup: <input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal: <input type="text"/> <small>(Supplier)</small>
Gas Turbine: <input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
HRSG: <input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Production)</small>
<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
Prin. Contractor: <input type="text"/>	Engineer: <input type="text"/>	Constructor: <input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: 207	No. of Gasifiers: Op'g/Sp/Total 4/0/4	Gasifier Status: Operating	Start Date: 1974
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: BASF AG	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: BASF AG	Plant Name: Ludwigshafen Methanol Plant		
Gas'n Tech.: GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>		
Project Contact: Werner Hefner <small>(Contact)</small>	werner.hefner@basf-ag.de <small>(Email)</small>		

Facility Information

Facility Owner: BASF AG	Facility Name: Ludwigshafen Chemical Plant
Location: (City/State/Prov) Ludwigshafen	Facility Type: Chemical Plant
(Country) Germany	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 860.0 Estimate <small>(mt/d) (Source)</small>
Feed1: Vac. residue & heavy 860 mt/d	Syngas Cap.: 2,500,000 Gasifier licensor <small>(Nm3/d) (Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 186.6 <small>(Calculated)</small>
Feed3:	
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 416.8 Estimate <small>(MWt) (Source)</small>
Product1: Methanol mt/d	Syngas Output: 341.8 Gasifier licensor data <small>(MWt) (Source)</small>
Product2:	
Product3:	

Other Information

O2 Supply: Oxygen <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>	
Syngas Cooler: Radiant syngas cooler <small>(Cooler Type)</small>	MAN GHH AG <small>(Cooler Supplier) (MWth Duty)</small>
Gas Cleanup:	Sulfur Removal:
<small>(Supplier) (Process)</small>	<small>(Supplier) (Process)</small>
Gas Turbine: 0 N.A. 0 <small>(No.) (Supplier) (Model) (MWout)</small>	
HRSG: 0 N.A. 0 <small>(No.) (Supplier) (Model) (Production)</small>	Steam Turbine: 0 N.A. 0 <small>(No.) (Supplier) (Model) (MWout)</small>
Prin. Contractor:	Engineer:
	Constructor: BASF

Gasification Database Gasification Plant Report

Date Modified:

12-Aug-04

Key Gasifier Information

Gasifier ID: **No. of Gasifiers: Op'g/Sp/Total** / / **Gasifier Status:** **Start Date:**

Project Count: **Plt. Type:** **Project Reality:** **Application:**

Plt. Owner: **Plt. Owner Type:**

Plt. Operator: **Plant Name:**

Gas'n Tech.:
(Technology Name) (Licensor) (Technology Type)

Vendor Contact:
(Contact) (Email)

Project Contact:
(Contact) (Email)

Facility Information

Facility Owner: **Facility Name:**

Location: (City/State/Prov) **Facility Type:**
 (Country) **Facility Status:**
 (Region)

Feed/Product Information

Main Feed: **Rate (MAF):**
(Category) (Classification) (mt/d) (Source)

Feed1: **Syngas Cap.:**
(Nm3/d) (Source)

Feed2: **Eq. IGCC Cap., MWe:**
(Calculated)

Feed3:

Main Product:
(Category)

Fuel Input:
(MWt) (Source)

Product1: **Syngas Output:**
(MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply:
(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler: **Soot Handling:**
(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup: **Sulfur Removal:**
(Supplier) (Process) (Supplier) (Process)

Gas Turbine:
(No.) (Supplier) (Model) (MWout)

HRSG: **Steam Turbine:**
(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

27-Aug-03

Key Gasifier Information

Gasifier ID: 285	No. of Gasifiers: Op'g/Sp/Total 4/0/4	Gasifier Status: Operating	Start Date: 1978
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Hydro Agri Brunsbüttel GmbH	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Hydro Agri Brunsbüttel GmbH	Plant Name: Brunsbüttel Ammonia Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact: Sven Kohnke <small>(Contact)</small>	Sven.Kohnke@hydro.com <small>(Email)</small>		

Facility Information

Facility Owner: Hydro Agri Brunsbüttel GmbH	Facility Name: Brunsbüttel Chemical Plant
Location: (City/State/Prov) Brunsbüttel	Facility Type: Chemical Plant
(Country) Germany	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 1,600.0 <small>(mt/d)</small>	Estimate <small>(Source)</small>
Feed1: Hvy vis. residue 1,600 mt/d	Syngas Cap.: 4,700,000 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 350.9 <small>(Calculated)</small>	
Feed3:		
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 803.1 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product1: Ammonia 2,100 mt/d	Syngas Output: 642.5 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2:		
Product3:		

Other Information

O2 Supply: Oxygen <small>(Oxidant)</small>	Integrated/N2 feeds NH3 prod'n <small>(ASU Supplier) (ASU Integration)</small>
Syngas Cooler: Fire-tube boiler <small>(Cooler Type)</small>	Soot Handling: Separate handling unit <small>(Cooler Supplier) (MWth Duty)</small>
Gas Cleanup: Rectisol <small>(Supplier) (Process)</small>	Sulfur Removal: Claus <small>(Supplier) (Process)</small>
Gas Turbine: 0 <small>(No.) (Supplier)</small>	N.A. 0 <small>(Model) (MWout)</small>
HRSG: 0 <small>(No.) (Supplier)</small>	N.A. 0 <small>(Model) (Production)</small>
Steam Turbine: 0 <small>(No.) (Supplier)</small>	N.A. 0 <small>(Model) (MWout)</small>
Prin. Contractor:	Engineer:
	Constructor:

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: <input type="text" value="322"/>	No. of Gasifiers: Op'g/Sp/Total <input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status: <input type="text" value="Operating"/>	Start Date: <input type="text" value="May 2000"/>
Project Count: <input type="text" value="1"/>	Plt. Type: <input type="text" value="Commercial"/>	Project Reality: <input type="text" value="Active-Real"/>	Application: <input type="text" value="Syngas for Chemicals"/>
Plt. Owner: <input type="text" value="DEA Mineraloel AG"/>	Plt. Owner Type: <input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator: <input type="text" value="DEA Mineraloel AG"/>	Plant Name: <input type="text" value="Wesseling Syngas Plant"/>		
Gas'n Tech.: <input type="text" value="GE Gasification Technology"/>	<input type="text" value="GE"/>	<input type="text" value="Entrained-flow gasification"/>	
<small>(Technology Name)</small>		<small>(Licensor)</small>	<small>(Technology Type)</small>
Vendor Contact: <input type="text" value="Tim Huskey"/>	<input type="text" value="timothy.huskey@ge.com"/>		
<small>(Contact)</small>		<small>(Email)</small>	
Project Contact: <input type="text"/>	<input type="text"/>		
<small>(Contact)</small>		<small>(Email)</small>	

Facility Information

Facility Owner: <input type="text" value="DEA Mineraloel AG"/>	Facility Name: <input type="text" value="Wesseling Refinery"/>
Location: (City/State/Prov) <input type="text" value="Wesseling"/>	Facility Type: <input type="text" value="Refinery"/>
(Country) <input type="text" value="Germany"/>	Facility Status: <input type="text" value="Operating"/>
(Region) <input type="text" value="Europe"/>	

Feed/Product Information

Main Feed: <input type="text" value="Liquid"/>	<input type="text" value="Petroleum"/>	Rate (MAF): <input type="text"/>	<input type="text"/>
<small>(Category) (Classification)</small>		<small>(mt/d)</small>	<small>(Source)</small>
Feed1: <input type="text" value="Residual oil"/>	<input type="text" value="544"/>	<input type="text" value="1,500,000"/>	<input type="text" value="Estimate"/>
		<small>(Nm3/d)</small>	<small>(Source)</small>
Feed2: <input type="text"/>	<input type="text"/>	<input type="text" value="112.0"/>	<input type="text"/>
		<small>(Calculated)</small>	
Feed3: <input type="text"/>	<input type="text"/>		
Main Product: <input type="text" value="Chemicals"/>	Fuel Input: <input type="text" value="250.1"/>		
<small>(Category)</small>	<small>(MWt) (Source)</small>		
Product1: <input type="text" value="Methanol"/>	<input type="text"/>	<input type="text" value="205.1"/>	<input type="text" value="Estimate"/>
		<small>(MWt)</small>	<small>(Source)</small>
Product2: <input type="text"/>	<input type="text"/>		
Product3: <input type="text"/>	<input type="text"/>		

Other Information

O2 Supply: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup: <input type="text"/>	<input type="text"/>	Sulfur Removal: <input type="text"/>
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier) (Process)</small>
Gas Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.) (Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
HRSG: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.) (Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>
Steam Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.) (Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
Prin. Contractor: <input type="text" value="Edeleanu GmbH"/>	Engineer: <input type="text" value="Edeleanu GmbH"/>	Constructor: <input type="text" value="Edeleanu GmbH"/>

Gasification Database Gasification Plant Report

Date Modified:

02-Mar-99

Key Gasifier Information

Gasifier ID:	<input type="text" value="108"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="3"/> / <input type="text" value="0"/> / <input type="text" value="3"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1978"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Fertilizer Corp. of India Ltd."/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Fertilizer Corp. of India Ltd."/>			Plant Name:	<input type="text" value="Nangal Ammonia Plant"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Fertilizer Corp. of India Ltd."/>	Facility Name:	<input type="text" value="Nangal Fertilizer Plant"/>
Location:	<input type="text" value="Nangal, New Delhi"/> <small>(City/State/Prov)</small>	Facility Type:	<input type="text" value="Chemical Plant"/>
	<input type="text" value="India"/> <small>(Country)</small>	Facility Status:	<input type="text" value="Operating"/>
	<input type="text" value="Asia/Australia"/> <small>(Region)</small>		

Feed/Product Information

Main Feed:	<input type="text" value="Liquid"/> <small>(Category)</small>	<input type="text" value="Petroleum"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="722.5"/> <small>(mt/d)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Feed1:	<input type="text" value="Bunker C fuel oil"/>	<input type="text" value="723"/> <small>mt/d</small>	Syngas Cap.:	<input type="text" value="2,100,000"/> <small>(Nm3/d)</small>	<input type="text" value="Gasifier licensor"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="156.8"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="350.1"/> <small>(MWt)</small>	<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product1:	<input type="text" value="Ammonia"/>	<input type="text" value="600"/> <small>mt/d</small>	Syngas Output:	<input type="text" value="287.1"/> <small>(MWt)</small>	<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>
Syngas Cooler:	<input type="text" value="Fire-tube boiler"/> <small>(Cooler Type)</small>	<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:
			<input type="text"/> <small>(Supplier)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
			<input type="text"/> <small>(MWout)</small>
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
		<input type="text"/> <small>(Production)</small>	<input type="text"/> <small>(MWout)</small>
Steam Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
			<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text" value="Lurgi GmbH"/>		Engineer:
			<input type="text"/>
Constructor:	<input type="text" value="Lurgi GmbH"/>		

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	163	No. of Gasifiers: Op'g/Sp/Total	2/ 1/ 3	Gasifier Status:	Operating	Start Date:	July 1982
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Chemicals
Plt. Owner:	Gujarat Narmada Valley Fertilizers Co. Ltd.			Plt. Owner Type:	Oil Refining & Chemicals		
Plt. Operator:	Gujarat Narmada Valley Fertilizers Co. Ltd.			Plant Name:	Narmada Ammonia/Methanol Plant		
Gas'n Tech.:	GE Gasification Technology <small>(Technology Name)</small>		GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Tim Huskey <small>(Contact)</small>		timothy.huskey@ge.com <small>(Email)</small>				
Project Contact:	R.P. Vyas <small>(Contact)</small>		rpyyas@gnvfc.com <small>(Email)</small>				

Facility Information

Facility Owner:	Gujarat Narmada Valley Fertilizers Co. Ltd.		Facility Name:	Narmada Fertilizer Complex	
Location:	<small>(City/State/Prov)</small>	Bharuch, Gujarat	Facility Type:	Chemical Plant	
	<small>(Country)</small>	India	Facility Status:	Operating	
	<small>(Region)</small>	Asia/Australia			

Feed/Product Information

Main Feed:	Liquid <small>(Category)</small>	Petroleum <small>(Classification)</small>	Rate (MAF):	1,030.0 <small>(mt/d)</small>	Estimate <small>(Source)</small>
Feed1:	Ref. residual oil	1,030 mt/d	Syngas Cap.:	2,964,600 <small>(Nm3/d)</small>	Estimate <small>(Source)</small>
Feed2:			Eq. IGCC Cap., MWe:	221.3 <small>(Calculated)</small>	
Feed3:					
Main Product:	Chemicals <small>(Category)</small>		Fuel Input:	506.6 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product1:	Ammonia	1,350 mt/d	Syngas Output:	405.3 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product2:	Methanol	60 mt/d			
Product3:					

Other Information

O2 Supply:	Oxygen <small>(Oxidant)</small>	Linde AG <small>(ASU Supplier)</small>		<small>(ASU Integration)</small>			
Syngas Cooler:	Direct water quench cooler <small>(Cooler Type)</small>			<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>	Soot Handling:	
Gas Cleanup:	Linde AG <small>(Supplier)</small>	Rectisol <small>(Process)</small>		Sulfur Removal:		<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:	0 <small>(No.)</small>		N.A. <small>(Model)</small>	0 <small>(MWout)</small>			
HRSG:	0 <small>(No.)</small>		N.A. <small>(Supplier)</small>	0 <small>(Production)</small>		Steam Turbine:	0 <small>(No.)</small>
						<small>(Supplier)</small>	N.A. <small>(Model)</small>
							0 <small>(MWout)</small>
Prin. Contractor:	Linde AG		Engineer:		Constructor:		

Gasification Database Gasification Plant Report

Date Modified:

02-Mar-99

Key Gasifier Information

Gasifier ID: <input type="text" value="287"/>	No. of Gasifiers: Op'g/Sp/Total <input type="text" value="3"/> / <input type="text" value="0"/> / <input type="text" value="3"/>	Gasifier Status: <input type="text" value="Operating"/>	Start Date: <input type="text" value="1978"/>
Project Count: <input type="text" value="1"/>	Plt. Type: <input type="text" value="Commercial"/>	Project Reality: <input type="text" value="Active-Real"/>	Application: <input type="text" value="Syngas for Chemicals"/>
Plt. Owner: <input type="text" value="National Fertilizer Ltd."/>	Plt. Owner Type: <input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator: <input type="text" value="National Fertilizer Ltd."/>	Plant Name: <input type="text" value="Panipat Ammonia Plant"/>		
Gas'n Tech.: <input type="text" value="Shell Gasification Process"/>	<input type="text" value="Shell"/>	<input type="text" value="Entrained-flow gasification"/>	
	<small>(Technology Name)</small>	<small>(Licensor)</small>	<small>(Technology Type)</small>
Vendor Contact: <input type="text" value="Jim Volk"/>	<input type="text" value="jim.volk@shell.com"/>		
	<small>(Contact)</small>	<small>(Email)</small>	
Project Contact: <input type="text"/>	<input type="text"/>		
	<small>(Contact)</small>	<small>(Email)</small>	

Facility Information

Facility Owner: <input type="text" value="National Fertilizer Ltd."/>	Facility Name: <input type="text" value="Panipat Fertilizer Plant"/>
Location: (City/State/Prov) <input type="text" value="Panipat, Haryana"/>	Facility Type: <input type="text" value="Chemical Plant"/>
(Country) <input type="text" value="India"/>	Facility Status: <input type="text" value="Operating"/>
(Region) <input type="text" value="Asia/Australia"/>	

Feed/Product Information

Main Feed: <input type="text" value="Liquid"/>	<input type="text" value="Petroleum"/>	Rate (MAF): <input type="text" value="722.5"/>	<input type="text" value="Estimate"/>
	<small>(Classification)</small>	<small>(mt/d)</small>	<small>(Source)</small>
Feed1: <input type="text" value="Bunker C fuel oil"/>	<input type="text" value="723"/>	<input type="text" value="mt/d"/>	Syngas Cap.: <input type="text" value="2,100,000"/>
Feed2: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Nm3/d)</small>
Feed3: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Source)</small>
Main Product: <input type="text" value="Chemicals"/>	Fuel Input: <input type="text" value="350.1"/>		
<small>(Category)</small>	<small>(MWt)</small>		
Product1: <input type="text" value="Ammonia"/>	<input type="text"/>	<input type="text" value="mt/d"/>	Syngas Output: <input type="text" value="287.1"/>
Product2: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(MWt)</small>
Product3: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Source)</small>

Other Information

O2 Supply: <input type="text" value="Oxygen"/>	<input type="text"/>	<input type="text"/>
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler: <input type="text" value="Fire-tube boiler"/>	<input type="text"/>	<input type="text"/>
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup: <input type="text"/>	<input type="text"/>	Sulfur Removal: <input type="text"/>
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>
Gas Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>
		<small>(MWout)</small>
HRSG: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Production)</small>
		<small>(Model)</small>
		<small>(MWout)</small>
Prin. Contractor: <input type="text"/>	Engineer: <input type="text"/>	Constructor: <input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

02-Mar-99

Key Gasifier Information

Gasifier ID:	288	No. of Gasifiers: Op'g/Sp/Total	3/0/3	Gasifier Status:	Operating	Start Date:	1979
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Chemicals
Plt. Owner:	National Fertilizer Ltd.			Plt. Owner Type:	Oil Refining & Chemicals		
Plt. Operator:	National Fertilizer Ltd.			Plant Name:	Bathinda Ammonia Plant		
Gas'n Tech.:	Shell Gasification Process (Technology Name)		Shell (Licensor)	Entrained-flow gasification (Technology Type)			
Vendor Contact:	Jim Volk (Contact)		jim.volk@shell.com (Email)				
Project Contact:							

Facility Information

Facility Owner:	National Fertilizer Ltd.		Facility Name:	Bathinda Fertilizer Plant	
Location:	(City/State/Prov)	Bathinda	Facility Type:	Chemical Plant	
	(Country)	India	Facility Status:	Operating	
	(Region)	Asia/Australia			

Feed/Product Information

Main Feed:	Liquid (Category)	Petroleum (Classification)	Rate (MAF):	722.5 (mt/d)	Estimate (Source)
Feed1:	Bunker C fuel oil	723 mt/d	Syngas Cap.:	2,100,000 (Nm ³ /d)	Gasifier licensor (Source)
Feed2:			Eq. IGCC Cap., MWe:	156.8 (Calculated)	
Feed3:					
Main Product:	Chemicals (Category)		Fuel Input:	350.1 (MWt)	Gasifier licensor data (Source)
Product1:	Ammonia	mt/d	Syngas Output:	287.1 (MWt)	Gasifier licensor data (Source)
Product2:					
Product3:					

Other Information

O ₂ Supply:	Oxygen (Oxidant)				
	(ASU Supplier)		(ASU Integration)		
Syngas Cooler:	Fire-tube boiler (Cooler Type)				Soot Handling:
			(Cooler Supplier)	(MWth Duty)	
Gas Cleanup:			Sulfur Removal:		
	(Supplier)	(Process)		(Supplier)	(Process)
Gas Turbine:					
	(No.)	(Supplier)	(Model)	(MWout)	
HRSG:					Steam Turbine:
	(No.)	(Supplier)	(Model)	(Production)	(No.)
					(Supplier)
					(Model)
					(MWout)
Prin. Contractor:		Engineer:		Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

09-Dec-99

Key Gasifier Information

Gasifier ID: 289	No. of Gasifiers: Op'g/Sp/Total 2/0/2	Gasifier Status: Operating	Start Date: 1979
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Neyveli Lignite Corp. Ltd.	Plt. Owner Type:		
Plt. Operator: Neyveli Lignite Corp. Ltd.	Plant Name: Neyveli Syngas Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: Neyveli Lignite Corp. Ltd.	Facility Name: Neyveli Chemical Plant
Location: (City/State/Prov) Neyveli, Tamil Nadu	Facility Type: Chemical Plant
(Country) India	Facility Status: Operating
(Region) Asia/Australia	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 275.0 <small>(mt/d)</small>	Estimate <small>(Source)</small>
Feed1: Bunker C fuel oil 275 mt/d	Syngas Cap.: 800,000 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 59.7 <small>(Calculated)</small>	
Feed3:		
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 133.4 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product1: Syngas 800,000 Nm3/d	Syngas Output: 109.4 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2:		
Product3:		

Other Information

O2 Supply: Oxygen <small>(Oxidant)</small>			<small>(ASU Supplier)</small>		<small>(ASU Integration)</small>
Syngas Cooler: Fire-tube boiler <small>(Cooler Type)</small>			<small>(Cooler Supplier)</small>		<small>(MWth Duty)</small>
Gas Cleanup:			<small>(Supplier)</small>		<small>(Process)</small>
Gas Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	
Steam Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
Prin. Contractor:		Engineer:		Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: 53	No. of Gasifiers: Op'g/Sp/Total 2/ 0/ 2	Gasifier Status: Operating	Start Date: April 2001
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Power
Plt. Owner: api Energia S.p.A.	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: API Raffineria di Ancona S.p.A.	Plant Name: api Energia S.p.A. IGCC Plant		
Gas'n Tech.: GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>		
Project Contact: Thomas S. O'Brien <small>(Contact)</small>	obriets@chevrontexaco.com <small>(Email)</small>		

Facility Information

Facility Owner: API Raffineria di Ancona S.p.A.	Facility Name: Falconara Marittima Refinery
Location: (City/State/Prov) Falconara Marittima	Facility Type: Refinery
(Country) Italy	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 1,440.0 <small>(mt/d)</small>	Gasifier licensor data <small>(Source)</small>
Feed1: Vac. visbreaker resid 1,440 mt/d	Syngas Cap.: 3,845,000 <small>(Nm3/d)</small>	Gasifier licensor data <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 287.0 <small>(Calculated)</small>	
Feed3:		
Main Product: Power <small>(Category)</small>	Fuel Input: 641.0 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product1: Electricity 287 MWe	Syngas Output: 525.6 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2: Steam 65 mt/hr		
Product3:		

Other Information

O2 Supply: Oxygen Praxair, Inc. <small>(Oxidant) (ASU Supplier)</small>	Across-the-fence <small>(ASU Integration)</small>
Syngas Cooler: Direct water quench cooler <small>(Cooler Type)</small>	Soot Handling: Separate handling unit
Gas Cleanup: UOP LLC Selecol <small>(Supplier) (Process)</small>	Sulfur Removal: Parsons Energy & Chemical Claus (O2 blown) <small>(Supplier) (Process)</small>
Gas Turbine: 1 ABB Lummus Global 13E2 190 <small>(No.) (Supplier) (Model) (MWout)</small>	
HRSG: 1 <small>(No.) (Supplier) (Model) (Production)</small>	Steam Turbine: 1 Ansaldo <small>(No.) (Supplier) (Model) (MWout)</small>
Prin. Contractor: ABB Lummus Global/SAE Sadelm	Engineer: ABB Lummus Global/SAE Sade
	Constructor: ABB Lummus Global/SAE Sade

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: 54	No. of Gasifiers: Op'g/Sp/Total 2/ 0/ 2	Gasifier Status: Operating	Start Date: July 1999
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Power
Plt. Owner: ISAB Energy	Plt. Owner Type: Special Joint Venture		
Plt. Operator: ISAB Energy	Plant Name: ISAB Energy IGCC Project		
Gas'n Tech.: GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>		
Project Contact: Guido Collodi <small>(Contact)</small>	guido.collodi@snamprogetti.eni.it <small>(Email)</small>		

Facility Information

Facility Owner: ISAB S.p.A.	Facility Name: Priolo Gargallo Refinery
Location: (City/State/Prov) Priolo Gargallo, Sicily	Facility Type: Refinery
(Country) Italy	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 3,163.0 <small>(mt/d)</small>	Gasifier contractor <small>(Source)</small>
Feed1: ROSE asphalt 3,168 mt/d	Syngas Cap.: 8,800,000 <small>(Nm3/d)</small>	Gasifier contractor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 656.9 <small>(Calculated)</small>	
Feed3:		
Main Product: Power <small>(Category)</small>	Fuel Input: 1,360.0 <small>(MWt)</small>	Gasifier contractor <small>(Source)</small>
Product1: Electricity 512 MWe	Syngas Output: 1,203.0 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product2:		
Product3:		

Other Information

O2 Supply: Oxygen Air Liquide <small>(Oxidant) (ASU Supplier)</small>	Across-the-fence/No integration <small>(ASU Integration)</small>		
Syngas Cooler: Direct water quench cooler <small>(Cooler Type)</small>	(Cooler Supplier)	(MWth Duty)	Soot Handling: Naphtha recovery & recy
Gas Cleanup: Dow Chemical Co. <small>(Supplier)</small>	MDEA <small>(Process)</small>	Sulfur Removal: Lurgi Oel•Gas•Chemie Gm <small>(Supplier)</small>	Claus (O2 blown) <small>(Process)</small>
Gas Turbine: 2 Siemens/Ansaldo <small>(No.) (Supplier)</small>	V94.2K <small>(Model)</small>	330 <small>(MWout)</small>	
HRSg: 2 Siemens/Ansaldo <small>(No.) (Supplier)</small>	(Model)	(Production)	Steam Turbine: 2 Siemens/Ansaldo <small>(No.) (Supplier)</small>
	(Model)	(Production)	(Model) 230 <small>(MWout)</small>
Prin. Contractor: Snamprogetti	Engineer: Snamprogetti-Foster Wheeler	Constructor: Snamprogetti-Foster Wheeler	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: 55	No. of Gasifiers: Op'g/Sp/Total 3/0/3	Gasifier Status: Operating	Start Date: April 2000
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Power
Plt. Owner: SARLUX srl	Plt. Owner Type: Special Joint Venture		
Plt. Operator: SARLUX srl	Plant Name: SARLUX IGCC Project		
Gas'n Tech.: GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>		
Project Contact: Guido Collodi <small>(Contact)</small>	guido.collodi@snamprogetti.eni.it <small>(Email)</small>		

Facility Information

Facility Owner: Saras S.p.A.	Facility Name: Saras S.p.A. Raffinerie Sarde
Location: (City/State/Prov) Sarroch, Cagliari, Sardinia	Facility Type: Refinery
(Country) Italy	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 3,545.0 <small>(mt/d)</small>	Gasifier contractor <small>(Source)</small>
Feed1: Visbreaker residue 3,552 mt/d	Syngas Cap.: 10,400,000 <small>(Nm3/d)</small>	Gasifier contractor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 776.4 <small>(Calculated)</small>	
Feed3:		
Main Product: Power <small>(Category)</small>	Fuel Input: 1,586.3 <small>(MWt)</small>	Gasifier contractor <small>(Source)</small>
Product1: Electricity 551 MWe	Syngas Output: 1,271.2 <small>(MWt)</small>	Gasifier contractor <small>(Source)</small>
Product2: H2 960,000 Nm3/d		
Product3: Steam 185 mt/hr		

Other Information

O2 Supply: Oxygen Air Liquide <small>(Oxidant) (ASU Supplier)</small>	Across-the-fence/No integration <small>(ASU Integration)</small>		
Syngas Cooler: Direct water quench cooler <small>(Cooler Type)</small>	(Cooler Supplier)	(MWth Duty)	Soot Handling: Naphtha recovery & recy
Gas Cleanup: UOP LLC <small>(Supplier)</small>	Selexol <small>(Process)</small>	Sulfur Removal: Lurgi Oel•Gas•Chemie Gm <small>(Supplier)</small>	Claus (O2 blown) <small>(Process)</small>
Gas Turbine: 3 General Electric Co. 9E 414 <small>(No.) (Supplier) (Model) (MWout)</small>			
HRSg: 3 General Electric Co. 700 t/hr <small>(No.) (Supplier) (Model) (Production)</small>	Steam Turbine: 3 General Electric Co. 152.4 <small>(No.) (Supplier) (Model) (MWout)</small>		
Prin. Contractor: Snamprogetti	Engineer: RTI	Constructor: RTI	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="188"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1963"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="PRAOIL"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="PRAOIL"/>			Plant Name:	<input type="text" value="Gela Ragusa H2 Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="PRAOIL"/>		Facility Name:	<input type="text" value="Gela Ragusa Refinery"/>	
Location: (City/State/Prov)	<input type="text" value="Gela Ragusa"/>		Facility Type:	<input type="text" value="Refinery"/>	
(Country)	<input type="text" value="Italy"/>		Facility Status:	<input type="text" value="Operating"/>	
(Region)	<input type="text" value="Europe"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Gaseous"/> <small>(Category)</small>	<input type="text" value="Gas"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Natural gas"/>	<input type="text" value="17"/> MMscf/d	Syngas Cap.:	<input type="text" value="1,150,000"/> <small>(Nm3/d)</small>	<input type="text" value="Gasifier licensor"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="85.8"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="184.9"/> <small>(MWt)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Product1:	<input type="text" value="H2"/>	<input type="text"/>	Syngas Output:	<input type="text" value="157.2"/> <small>(MWt)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>	
Syngas Cooler:	<input type="text" value="Direct water quench cooler"/> <small>(Cooler Type)</small>		<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>
Steam Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text" value="Foster Wheeler"/>
	<input type="text"/>		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	191	No. of Gasifiers: Op'g/Sp/Total	2/0/2	Gasifier Status:	Operating	Start Date:	1958
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Gases
Plt. Owner:	Praxair (EniChem)			Plt. Owner Type:	Industrial Gas Supply		
Plt. Operator:	Praxair (EniChem)			Plant Name:	Ravenna Syngas Plant		
Gas'n Tech.:	GE Gasification Technology (Technology Name)		GE (Licensor)	Entrained-flow gasification (Technology Type)			
Vendor Contact:	Tim Huskey (Contact)		timothy.huskey@ge.com (Email)				
Project Contact:							

Facility Information

Facility Owner:	Praxair (EniChem)		Facility Name:	Ravenna Chemical Plant	
Location:	(City/State/Prov)	Ravenna	Facility Type:	Chemical Plant	
	(Country)	Italy	Facility Status:	Operating	
	(Region)	Europe			

Feed/Product Information

Main Feed:	Gaseous (Category)	Gas (Classification)	Rate (MAF):			
				(mt/d)	(Source)	
Feed1:	Natural gas	10	Syngas Cap.:	700,000	Estimate	
		MMscf/d		(Nm3/d)	(Source)	
Feed2:			Eq. IGCC Cap., MWe:	52.3	(Calculated)	
Feed3:						
Main Product:	Chemicals (Category)		Fuel Input:	112.6	Estimate	
				(MWt)	(Source)	
Product1:	CO		Syngas Output:	95.7	Estimate	
		Nm3/d		(MWt)	(Source)	
Product2:						
Product3:						

Other Information

O2 Supply:	Oxygen (Oxidant)		(ASU Supplier)		(ASU Integration)	
Syngas Cooler:	Direct water quench cooler (Cooler Type)			(Cooler Supplier)		(MWth Duty)
Gas Cleanup:			Sulfur Removal:			
	(Supplier)	(Process)		(Supplier)	(Process)	
Gas Turbine:						
	(No.)	(Supplier)	(Model)	(MWout)		
HRSG:			Steam Turbine:			
	(No.)	(Supplier)	(Model)	(Production)	(No.)	(Supplier)
					(Model)	(MWout)
Prin. Contractor:		Engineer:		Constructor:		

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID: 329	No. of Gasifiers: Op'g/Sp/Total 2/0/2	Gasifier Status: Operating	Start Date: 2006
Project Count: 1	Plt. Type: Commercial	Project Reality: Planning	Application: Syngas for Power
Plt. Owner: AGIP Raffinazione S.p.A.	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: AGIP Raffinazione S.p.A.	Plant Name: Agip IGCC		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: AGIP Raffinazione S.p.A.	Facility Name: Sannazzaro Refinery
Location: (City/State/Prov) Sannazzaro	Facility Type: Refinery
(Country) Italy	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 1,150.0 <small>(mt/d)</small>	Gasifier licensor data <small>(Source)</small>
Feed1: Visbreaker residue 1,200 mt/d	Syngas Cap.: 3,340,000 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 249.3 <small>(Calculated)</small>	
Feed3:		
Main Product: Power <small>(Category)</small>	Fuel Input: 556.8 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product1: Electricity MW	Syngas Output: 456.6 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2: H2 Nm3/d		
Product3:		

Other Information

O2 Supply: Oxygen <small>(Oxidant)</small>			<small>(ASU Supplier)</small>		<small>(ASU Integration)</small>
Syngas Cooler: Fire-tube boiler <small>(Cooler Type)</small>			<small>(Cooler Supplier)</small>		<small>(MWth Duty)</small>
Gas Cleanup:			<small>(Supplier)</small>		<small>(Process)</small>
Sulfur Removal:			<small>(Supplier)</small>		<small>(Process)</small>
Gas Turbine:			<small>(No.)</small>		<small>(Supplier)</small>
			<small>(Model)</small>		<small>(MWout)</small>
HRSG:			<small>(No.)</small>		<small>(Supplier)</small>
			<small>(Model)</small>		<small>(Production)</small>
Steam Turbine:			<small>(No.)</small>		<small>(Supplier)</small>
			<small>(Model)</small>		<small>(MWout)</small>
Prin. Contractor:		Engineer:		Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: **No. of Gasifiers: Op'g/Sp/Total** / / **Gasifier Status:** **Start Date:**

Project Count: **Plt. Type:** **Project Reality:** **Application:**

Plt. Owner: **Plt. Owner Type:**

Plt. Operator: **Plant Name:**

Gas'n Tech.:
(Technology Name) (Licensor) (Technology Type)

Vendor Contact:
(Contact) (Email)

Project Contact:
(Contact) (Email)

Facility Information

Facility Owner: **Facility Name:**

Location: **Facility Type:**
(City/State/Prov)

Facility Status:
(Country)

(Region)

Feed/Product Information

Main Feed: **Rate (MAF):**
(Category) (Classification) (mt/d) (Source)

Feed1: **Syngas Cap.:**
(Nm3/d) (Source)

Feed2: **Eq. IGCC Cap., MWe:**
(Calculated)

Feed3:

Main Product:
(Category)

Fuel Input:
(MWt) (Source)

Product1: **Syngas Output:**
(MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply:
(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler: **Soot Handling:**
(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup: **Sulfur Removal:**
(Supplier) (Process) (Supplier) (Process)

Gas Turbine:
(No.) (Supplier) (Model) (MWout)

HRSG: **Steam Turbine:**
(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

02-Mar-99

Key Gasifier Information

Gasifier ID: <input type="text" value="70"/>	No. of Gasifiers: Op'g/Sp/Total <input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status: <input type="text" value="Operating"/>	Start Date: <input type="text" value="May 1961"/>
Project Count: <input type="text" value="1"/>	Plt. Type: <input type="text" value="Commercial"/>	Project Reality: <input type="text" value="Active-Real"/>	Application: <input type="text" value="Syngas for Chemicals"/>
Plt. Owner: <input type="text" value="Mitsubishi Petrochemicals"/>	Plt. Owner Type: <input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator: <input type="text" value="Mitsubishi Petrochemicals"/>	Plant Name: <input type="text" value="Yokkaichi Syngas Plant"/>		
Gas'n Tech.: <input type="text" value="Shell Gasification Process"/>	<input type="text" value="Shell"/>	<input type="text" value="Entrained-flow gasification"/>	
	<small>(Technology Name)</small>	<small>(Licensor)</small>	<small>(Technology Type)</small>
Vendor Contact: <input type="text" value="Jim Volk"/>	<input type="text" value="jim.volk@shell.com"/>		
	<small>(Contact)</small>	<small>(Email)</small>	
Project Contact: <input type="text"/>	<input type="text"/>		
	<small>(Contact)</small>	<small>(Email)</small>	

Facility Information

Facility Owner: <input type="text" value="Mitsubishi Petrochemicals"/>	Facility Name: <input type="text" value="Yokkaichi Petrochemical Plant"/>
Location: (City/State/Prov) <input type="text" value="Yokkaichi"/>	Facility Type: <input type="text" value="Petrochemical Plant"/>
(Country) <input type="text" value="Japan"/>	Facility Status: <input type="text" value="Operating"/>
(Region) <input type="text" value="Asia/Australia"/>	

Feed/Product Information

Main Feed: <input type="text" value="Liquid"/>	<input type="text" value="Petroleum"/>	Rate (MAF): <input type="text" value="137.6"/>	<input type="text" value="Estimate"/>
<small>(Category)</small>	<small>(Classification)</small>	<small>(mt/d)</small>	<small>(Source)</small>
Feed1: <input type="text" value="Bunker C fuel oil"/>	<input type="text" value="138"/>	<input type="text" value="mt/d"/>	Syngas Cap.: <input type="text" value="400,000"/>
Feed2: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Nm3/d)</small>
Feed3: <input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe: <input type="text" value="29.9"/>
			<small>(Calculated)</small>
Main Product: <input type="text" value="Chemicals"/>	Fuel Input: <input type="text" value="66.7"/>		
<small>(Category)</small>	<small>Gasifier licensor data</small>		
Product1: <input type="text" value="Syngas"/>	<input type="text" value="400,000"/>	<input type="text" value="Nm3/d"/>	Syngas Output: <input type="text" value="54.7"/>
Product2: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>Gasifier licensor data</small>
Product3: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(MWt)</small>
			<small>(Source)</small>

Other Information

O2 Supply: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler: <input type="text" value="Fire-tube boiler"/>	<input type="text"/>	<input type="text"/>
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup: <input type="text" value="Shell"/>	<input type="text" value="Adip"/>	Sulfur Removal: <input type="text"/>
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>
Gas Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>
		<small>(MWout)</small>
HRSG: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Production)</small>
		<small>(Model)</small>
		<small>(MWout)</small>
Prin. Contractor: <input type="text"/>	Engineer: <input type="text"/>	Constructor: <input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: 121	No. of Gasifiers: Op'g/Sp/Total 2/ 0/ 2	Gasifier Status: Operating	Start Date: July 2003
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Power
Plt. Owner: Nippon Petroleum Refining Co.	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Nippon Petroleum Refining Co.	Plant Name: Negishi IGCC		
Gas'n Tech.: GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>		
Project Contact: Takuya Ono <small>(Contact)</small>	oono.takuya@jgc.co.jp <small>(Email)</small>		

Facility Information

Facility Owner: Nippon Petroleum Refining Co.	Facility Name: Negishi Refinery
Location: (City/State/Prov) Yokohama	Facility Type: Refinery
(Country) Japan	Facility Status: Operating
(Region) Asia/Australia	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 2,000.0 <small>(mt/d)</small>	Estimate <small>(Source)</small>
Feed1: Vac. residue 1,992 mt/d	Syngas Cap.: 5,800,000 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 433.0 <small>(Calculated)</small>	
Feed3:		
Main Product: Power <small>(Category)</small>	Fuel Input: 967.0 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product1: Electricity 342 MWnet	Syngas Output: 792.9 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2:		
Product3:		

Other Information

O2 Supply: Oxygen Air Liquide <small>(Oxidant) (ASU Supplier)</small>	On-site/No integration <small>(ASU Integration)</small>		
Syngas Cooler: Direct water quench cooler <small>(Cooler Type)</small>	(Cooler Supplier)	(MWth Duty)	Soot Handling: Separate handling unit
Gas Cleanup: Shell/JGC <small>(Supplier)</small>	ADIP <small>(Process)</small>	Sulfur Removal: Lurgi Oel•Gas•Chemie Gm <small>(Supplier)</small>	OxyClaus/Scot <small>(Process)</small>
Gas Turbine: 1 Mitsubishi Heavy Industr <small>(No.) (Supplier)</small>	701F <small>(Model)</small>	301 <small>(MWout)</small>	
HRSG: 1 Mitsubishi Heavy Industr <small>(No.) (Supplier)</small>	Vertical <small>(Model)</small>	430 mt/hr <small>(Production)</small>	Steam Turbine: 1 Mitsubishi Heavy Industr <small>(No.) (Supplier)</small>
			Down Flow <small>(Model)</small>
Prin. Contractor: JGC Corp.	Engineer: JGC Corp.	Constructor: JGC Corp.	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="179"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1982"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Ube Ammonia Industry Co. Ltd."/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Ube Ammonia Industry Co. Ltd."/>			Plant Name:	<input type="text" value="Ube City CO Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Ube Ammonia Industry Co. Ltd."/>	Facility Name:	<input type="text" value="Ube City Chemical Plant"/>
Location: (City/State/Prov)	<input type="text" value="Ube City"/>	Facility Type:	<input type="text" value="Chemical Plant"/>
(Country)	<input type="text" value="Japan"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/> <small>(Category)</small>	<input type="text" value="Petcoke"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="95.0"/> <small>(mt/d)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Feed1:	<input type="text" value="Petcoke"/>	<input type="text" value="95 mt/d"/>	Syngas Cap.:	<input type="text" value="200,000"/> <small>(Nm3/d)</small>	<input type="text" value="Gasifier licensor"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="14.9"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="36.4"/> <small>(MWt)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Product1:	<input type="text" value="CO"/>	<input type="text" value="6,500,000 scf/d"/>	Syngas Output:	<input type="text" value="27.3"/> <small>(MWt)</small>	<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>				
Syngas Cooler:	<input type="text" value="Direct water quench cooler"/> <small>(Cooler Type)</small>		<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling:	<input type="text"/>	
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>		
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>			
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>	Steam Turbine:	<input type="text"/> <small>(No.)</small>	
					<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text" value="Ube"/>		Engineer:	<input type="text"/>	Constructor:	<input type="text"/>	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="204"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1961"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Mitsui"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Mitsui"/>			Plant Name:	<input type="text" value="CO Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Mitsui"/>	Facility Name:	<input type="text" value="Omuta Chemical Plant"/>
Location: (City/State/Prov)	<input type="text" value="Omuta"/>	Facility Type:	<input type="text" value="Chemical Plant"/>
(Country)	<input type="text" value="Japan"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="Asia/Australia"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Liquid"/> <small>(Category)</small>	<input type="text" value="Petroleum"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="206.0"/> <small>(mt/d)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>	
Feed1:	<input type="text" value="Crude oil"/>	<input type="text" value="206"/>	<input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="600,000"/> <small>(Nm3/d)</small>	<input type="text" value="Gasifier licensor"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="44.8"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="100.0"/> <small>(MWt)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>	
Product1:	<input type="text" value="CO"/>	<input type="text"/>	<input type="text"/>	Syngas Output:	<input type="text" value="82.0"/> <small>(MWt)</small>	<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text"/>	<input type="text"/>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler:	<input type="text" value="Direct water quench cooler"/> <small>(Cooler Type)</small>		<input type="text"/>	<input type="text"/>	Soot Handling: <input type="text"/>
			<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>	
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:	<input type="text"/>	<input type="text"/>
	<small>(Supplier)</small>	<small>(Process)</small>		<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text" value="Foster Wheeler"/>	Constructor: <input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="400"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2007"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Power"/>
Plt. Owner:	<input type="text" value="Clean Coal Power R&D Co., Ltd."/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Clean Coal Power R&D Co., Ltd."/>			Plant Name:	<input type="text" value="Nakoso IGCC"/>		
Gas'n Tech.:	<input type="text" value="MHI Air-blown Gasifier"/>		<input type="text" value="Mitsubishi Heavy Industries, Ltd."/>		<input type="text" value="Entrained-flow gasification"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Koji Ota"/>		<input type="text" value="kota@mpshq.com"/>				
	(Contact)		(Email)				
Project Contact:	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text" value="Clean Coal Power R&D Co., Ltd."/>		Facility Name:	<input type="text"/>	
Location:	(City/State/Prov)	<input type="text" value="Nakoso, Iwaki-city, Fukushima Prefecture"/>	Facility Type:	<input type="text"/>	
	(Country)	<input type="text" value="Japan"/>	Facility Status:	<input type="text" value="Operating"/>	
	(Region)	<input type="text" value="Asia/Australia"/>			

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/>	<input type="text" value="Coal"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/>	<input type="text" value="1,700 tpd"/>	Syngas Cap.:	<input type="text" value="6,880,800"/>	<input type="text"/>
Feed2:	<input type="text"/>	<input type="text"/>		(Nm3/d)	(Source)
Feed3:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="513.7"/>	<input type="text"/>
				(Calculated)	
Main Product:	<input type="text" value="Power"/>		Fuel Input:	<input type="text" value="610.0"/>	<input type="text"/>
	(Category)			(MWt)	(Source)
Product1:	<input type="text" value="Electricity"/>	<input type="text" value="250 MW"/>	Syngas Output:	<input type="text" value="449.0"/>	<input type="text"/>
Product2:	<input type="text"/>	<input type="text"/>		(MWt)	(Source)
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:
	(Supplier)	(Process)	(Supplier) (Process)
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (Production) (MWout)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

13-Mar-01

Key Gasifier Information

Gasifier ID:	<input type="text" value="19"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="6"/> / <input type="text" value="0"/> / <input type="text" value="6"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="May"/> <input type="text" value="1993"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Fuels"/>
Plt. Owner:	<input type="text" value="Shell MDS (Malaysia) Sdn. Bhd."/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Shell MDS (Malaysia) Sdn. Bhd."/>			Plant Name:	<input type="text" value="Bintulu GTL Plant"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Shell MDS (Malaysia) Sdn. Bhd."/>	Facility Name:	<input type="text" value="Bintulu Middle Distillate Synthesis Plant"/>
Location:	<input type="text" value="Bintulu, Sarawak"/> <small>(City/State/Prov)</small>	Facility Type:	<input type="text" value="Gas Plant"/>
	<input type="text" value="Malaysia"/> <small>(Country)</small>	Facility Status:	<input type="text" value="Operating"/>
	<input type="text" value="Asia/Australia"/> <small>(Region)</small>		

Feed/Product Information

Main Feed:	<input type="text" value="Gaseous"/> <small>(Category)</small>	<input type="text" value="Gas"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Natural gas"/>	<input type="text" value="100"/> <input type="text" value="MMscf/d"/>	Syngas Cap.:	<input type="text" value="7,552,000"/> <small>(Nm3/d)</small>	<input type="text" value="Gasifier licensor"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="563.8"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Motor Fuels"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="1,214.6"/> <small>(MWt)</small>	<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product1:	<input type="text" value="Mid-distillates"/>	<input type="text" value="12,500"/> <input type="text" value="bbl/d"/>	Syngas Output:	<input type="text" value="1,032.4"/> <small>(MWt)</small>	<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text" value="Air Liquide"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>				
Syngas Cooler:	<input type="text" value="Fire-tube boiler with integrated superheater"/> <small>(Cooler Type)</small>		<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling:	<input type="text"/>	
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>		
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>			
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>	Steam Turbine:	<input type="text"/> <small>(No.)</small>	
					<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text" value="Lurgi GmbH"/>		Engineer:	<input type="text"/>	Constructor:	<input type="text" value="Lurgi GmbH"/>	

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	422	No. of Gasifiers: Op'g/Sp/Total	2/ / 2	Gasifier Status:	Development	Start Date:	2015
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Fuels
Plt. Owner:	ICM	Plt. Owner Type:					
Plt. Operator:	ICM	Plant Name:	ICM Coal to Liquids Plant				
Gas'n Tech.:	Uhde PRENFLO Gasification Technology (Technology Name)		Uhde (Licensor)	Entrained-flow gasification (Technology Type)			
Vendor Contact:	William Richards (Contact)		bill.richards@thyssenkrupp.com (Email)				
Project Contact:							

Facility Information

Facility Owner:	ICM	Facility Name:	
Location: (City/State/Prov)	Tugrug Nuur	Facility Type:	
(Country)	Mongolia	Facility Status:	Development
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Solid (Category)	Coal (Classification)	Rate (MAF):			
			(mt/d)	(Source)		
Feed1:	Lignite		Syngas Cap.:	13,200,000 (Nm3/d)		(Source)
Feed2:			Eq. IGCC Cap., MWe:	985.4 (Calculated)		
Feed3:						
Main Product:	Motor Fuels (Category)		Fuel Input:			
			(MWt)	(Source)		
Product1:	Gasoline	18,000 bbl/day	Syngas Output:	1,802.0 (MWt)		(Source)
Product2:						
Product3:						

Other Information

O2 Supply:						
	(Oxidant)	(ASU Supplier)	(ASU Integration)			
Syngas Cooler:				Soot Handling:		
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)			
Gas Cleanup:			Sulfur Removal:			
	(Supplier)	(Process)	(Supplier)	(Process)		
Gas Turbine:						
	(No.)	(Supplier)	(Model)	(MWout)		
HRSG:				Steam Turbine:		
	(No.)	(Supplier)	(Model)	(Production)	(No.)	(Supplier)
				(Model)		(MWout)
Prin. Contractor:		Engineer:		Constructor:		

Gasification Database Gasification Plant Report

Date Modified:

27-Aug-03

Key Gasifier Information

Gasifier ID: 56	No. of Gasifiers: Op'g/Sp/Total 1/0/1	Gasifier Status: Operating	Start Date: April 1994
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Power
Plt. Owner: Nuon Power Buggenum	Plt. Owner Type: Utility		
Plt. Operator: Nuon Power Buggenum	Plant Name: Buggenum IGCC Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact: Marco Kanaar <small>(Contact)</small>	marco.kanaar@nuonpower.com <small>(Email)</small>		

Facility Information

Facility Owner: Nuon Power	Facility Name: Willem-Alexander Centrale (WAC)
Location: (City/State/Prov) Haelen, Limburg	Facility Type: Electric Utility
(Country) Netherlands	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Solid Coal <small>(Category) (Classification)</small>	Rate (MAF): 2,000.0 <small>(mt/d)</small>	Gasifier licensor data <small>(Source)</small>
Feed1: Bit. coal 2,000 mt/d (max)	Syngas Cap.: 3,408,000 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 254.4 <small>(Calculated)</small>	
Feed3:		
Main Product: Power <small>(Category)</small>	Fuel Input: 702.6 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product1: Electricity 253 MWe	Syngas Output: 465.9 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2:		
Product3:		

Other Information

O2 Supply: Oxygen Air Products & Chemicals, Inc. Integrated <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>		
Syngas Cooler: Water-tube boiler with superheater Steinmüller <small>(Cooler Type) (Cooler Supplier) (MWth Duty)</small>	Soot Handling: Separate handling unit	
Gas Cleanup: Shell Sulfinol-M <small>(Supplier) (Process)</small>	Sulfur Removal: Claus (O2 Blown)/SCOT <small>(Supplier) (Process)</small>	
Gas Turbine: 1 Siemens/KWU V94.2 156 <small>(No.) (Supplier) (Model) (MWout)</small>		
HRSG: 1 Stork 300 MWth <small>(No.) (Supplier) (Model) (Production)</small>	Steam Turbine: 3 Siemens/KWU 1 HP/1IP/1 LP 128 <small>(No.) (Supplier) (Model) (MWout)</small>	
Prin. Contractor:	Engineer:	Constructor:

Gasification Database Gasification Plant Report

Date Modified:

27-Aug-03

Key Gasifier Information

Gasifier ID: 57	No. of Gasifiers: Op'g/Sp/Total 3/ 0/ 3	Gasifier Status: Operating	Start Date: Oct, 1997
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Shell Nederland Raffinaderij BV	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Shell Nederland Raffinaderij BV	Plant Name: Pernis Shell IGCC/Hydrogen Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact: J.D. de Graaf <small>(Contact)</small>	Jan.deGraaf@shell.com <small>(Email)</small>		

Facility Information

Facility Owner: Shell Nederland Raffinaderij BV	Facility Name: Pernis Refinery
Location: (City/State/Prov) Rotterdam	Facility Type: Refinery
(Country) Netherlands	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 1,650.0 <small>(mt/d)</small>	Gasifier licensor data <small>(Source)</small>
Feed1: Visbreaker residue 1,650 mt/d	Syngas Cap.: 4,662,200 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 348.0 <small>(Calculated)</small>	
Feed3:		
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 799.5 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product1: H2 100 MMscf/d	Syngas Output: 637.3 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2: Electricity 110 MW		
Product3: Steam 200 mt/hr		

Other Information

O2 Supply: Oxygen Air Products & Chemicals, Inc. <small>(Oxidant) (ASU Supplier)</small>	Across-the-fence/No integration <small>(ASU Integration)</small>		
Syngas Cooler: Fire-tube boiler <small>(Cooler Type)</small>	SFL Netherlands <small>(Cooler Supplier)</small>	94.5 <small>(MWth Duty)</small>	Soot Handling: SARU
Gas Cleanup: Lurgi Oel•Gas•Chemie GmbH <small>(Supplier)</small>	Rectisol <small>(Process)</small>	Sulfur Removal: Shell <small>(Supplier)</small>	Claus <small>(Process)</small>
Gas Turbine: 2 General Electric Co. <small>(No.) (Supplier)</small>	6B <small>(Model)</small>	86 <small>(MWout)</small>	
HRSG: 2 <small>(No.)</small>	<small>(Supplier)</small>	290 mt/hr <small>(Production)</small>	Steam Turbine: 2 GE/Nuovo Pignone <small>(No.) (Supplier)</small>
	<small>(Model)</small>		<small>(Model) (MWout)</small>
Prin. Contractor: Lurgi GmbH	Engineer: Fluor Daniel B.V.	Constructor: Fluor Daniel B.V.	

Gasification Database Gasification Plant Report

Date Modified:

12-Aug-04

Key Gasifier Information

Gasifier ID:	242	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	2000
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Gases
Plt. Owner:	EPZ			Plt. Owner Type:			
Plt. Operator:	EPZ			Plant Name:	Amercentrale Fuel Gas Plant		
Gas'n Tech.:	Lurgi Circulating Fluidized Bed Gasification Process <small>(Technology Name)</small>		Lurgi Envirotherm GmbH <small>(Licensor)</small>	Fluidized-bed gasification <small>(Technology Type)</small>			
Vendor Contact:	Claus Greil <small>(Contact)</small>		claus_greil@lurgi.de <small>(Email)</small>				
Project Contact:							

Facility Information

Facility Owner:	EPZ	Facility Name:	Amercentrale Plant
Location: (City/State/Prov)	Geertruidenberg	Facility Type:	
(Country)	Netherlands	Facility Status:	Operating
(Region)	Europe		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Biomass/Waste <small>(Classification)</small>	Rate (MAF):	500.0 <small>(mt/d)</small>	Gasifier licensor data <small>(Source)</small>
Feed1:	Demolition wood	500 mt/d	Syngas Cap.:	614,300 <small>(Nm3/d)</small>	Estimate <small>(Source)</small>
Feed2:			Eq. IGCC Cap., MWe:	45.9 <small>(Calculated)</small>	
Feed3:					
Main Product:	Power <small>(Category)</small>		Fuel Input:	105.0 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product1:	Electricity	85 MWth	Syngas Output:	84.0 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2:					
Product3:					

Other Information

O2 Supply:	Air <small>(Oxidant)</small>				
Syngas Cooler:	Water-tube <small>(Cooler Type)</small>	Baumgarte <small>(Cooler Supplier)</small>		Soot Handling:	
Gas Cleanup:	Lurgi Oel•Gas•Chemie GmbH <small>(Supplier)</small>	Scrubber <small>(Process)</small>	Sulfur Removal:		
Gas Turbine:					
HRSG:				Steam Turbine:	
Prin. Contractor:		Engineer:		Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	430	No. of Gasifiers: Op'g/Sp/Total	3/ / 3	Gasifier Status:	FEED	Start Date:	2012
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Power
Plt. Owner:	Nuon			Plt. Owner Type:			
Plt. Operator:	Nuon			Plant Name:	Nuon		
Gas'n Tech.:	Shell Gasification Process <small>(Technology Name)</small>		Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Jim Volk <small>(Contact)</small>		jim.volk@shell.com <small>(Email)</small>				
Project Contact:							
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	Nuon	Facility Name:	
Location: (City/State/Prov)		Facility Type:	
(Country)	Netherlands	Facility Status:	FEED
(Region)	Europe		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Coal <small>(Classification)</small>	Rate (MAF):			
				<small>(mt/d)</small>	<small>(Source)</small>	
Feed1:	Coal					
Feed2:	Biomass					
Feed3:						
Main Product:	Power <small>(Category)</small>		Fuel Input:			
Product1:	Electricity			<small>(MWt)</small>	<small>(Source)</small>	
Product2:			Syngas Output:	1,925.0		
Product3:				<small>(MWt)</small>	<small>(Source)</small>	

Other Information

O2 Supply:					
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>		
Syngas Cooler:					Soot Handling:
	<small>(Cooler Type)</small>		<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>	
Gas Cleanup:			Sulfur Removal:		
	<small>(Supplier)</small>	<small>(Process)</small>		<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:					Steam Turbine:
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(No.)</small>
		<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
Prin. Contractor:			Engineer:		
	<small>(Contact)</small>			<small>(Contact)</small>	

Gasification Database Gasification Plant Report

Date Modified:

02-Mar-99

Key Gasifier Information

Gasifier ID:	<input type="text" value="225"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1984"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Quimigal Adubos"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="Quimigal Adubos"/>			Plant Name:	<input type="text" value="Barreiro Ammonia Plant"/>		
Gas'n Tech.:	<input type="text" value="Shell Gasification Process"/> <small>(Technology Name)</small>		<input type="text" value="Shell"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Jim Volk"/> <small>(Contact)</small>		<input type="text" value="jim.volk@shell.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Quimigal Adubos"/>		Facility Name:	<input type="text" value="Barreiro Chemical Plant"/>	
Location:	<input type="text" value="Barreiro, Lavradio"/> <small>(City/State/Prov)</small>		Facility Type:	<input type="text" value="Chemical Plant"/>	
	<input type="text" value="Portugal"/> <small>(Country)</small>		Facility Status:	<input type="text" value="Operating"/>	
	<input type="text" value="Europe"/> <small>(Region)</small>				

Feed/Product Information

Main Feed:	<input type="text" value="Liquid"/> <small>(Category)</small>	<input type="text" value="Petroleum"/> <small>(Classification)</small>	Rate (MAF):	<input type="text" value="825.8"/> <small>(mt/d)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Feed1:	<input type="text" value="Vac. residue"/>	<input type="text" value="888"/>	<input type="text" value="mt/d"/>	Syngas Cap.:	<input type="text" value="2,400,000"/> <small>(Nm3/d)</small>
					<input type="text" value="Gasifier licensor"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="179.2"/> <small>(Calculated)</small>
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="400.1"/> <small>(MWt)</small>	<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product1:	<input type="text" value="Ammonia"/>	<input type="text"/>	<input type="text"/>	Syngas Output:	<input type="text" value="328.1"/> <small>(MWt)</small>
		<input type="text"/>	<input type="text"/>		<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		

Other Information

O2 Supply:	<input type="text"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>	
Syngas Cooler:	<input type="text" value="Fire-tube boiler"/> <small>(Cooler Type)</small>		<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text" value="Lurgi Oel•Gas•Chemie GmbH"/> <small>(Supplier)</small>	<input type="text" value="Rectisol"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>
				<input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>
			Steam Turbine:	<input type="text"/> <small>(No.)</small>
				<input type="text"/> <small>(Supplier)</small>
				<input type="text"/> <small>(Model)</small>
				<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text" value="Lurgi GmbH"/>		Engineer:	<input type="text"/>
			Constructor:	<input type="text" value="Lurgi GmbH"/>

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: 319 **No. of Gasifiers: Op'g/Sp/Total** 1/0/1 **Gasifier Status:** Operating **Start Date:** 1985
Project Count: 1 **Plt. Type:** Commercial **Project Reality:** Active-Real **Application:** Syngas for Fuels
Plt. Owner: Portucel **Plt. Owner Type:** Pulp & Paper Processing
Plt. Operator: Portucel **Plant Name:** Rodao ACFBG Unit
Gas'n Tech.: Foster Wheeler Atmospheric Circulating Fluidized Bed Gasifier (Technology Name) Foster Wheeler International (Licensor) Fluidized-bed gasification (Technology Type)
Vendor Contact: John Hemmings (Contact) john_hemmings@fwc.com (Email)
Project Contact: (Contact) (Email)

Facility Information

Facility Owner: Portucel **Facility Name:** Rodao Mill
Location: (City/State/Prov) Rodao **Facility Type:** Pulp & Paper Mill
 (Country) Portugal **Facility Status:** Operating
 (Region) Europe

Feed/Product Information

Main Feed: Solid (Category) Biomass/Waste (Classification) **Rate (MAF):** (mt/d) (Source)
Feed1: Bark (mt/d) **Syngas Cap.:** 87,800 (Nm3/d) Estimate (Source)
Feed2: **Eq. IGCC Cap., MWe:** 6.6 (Calculated)
Feed3: **Main Product:** Gaseous fuels (Category)
Product1: Syngas 15 MWth **Fuel Input:** 15.0 (MWt) Gasifier licensor data (Source)
Product2: **Syngas Output:** 15.0 (MWt) Estimate (Source)
Product3:

Other Information

O2 Supply: Air (Oxidant) (ASU Supplier) (ASU Integration)
Syngas Cooler: (Cooler Type) (Cooler Supplier) (MWth Duty) **Soot Handling:**
Gas Cleanup: (Supplier) (Process) **Sulfur Removal:** (Supplier) (Process)
Gas Turbine: (No.) (Supplier) (Model) (MWout)
HRSG: (No.) (Supplier) (Model) (Production) **Steam Turbine:** (No.) (Supplier) (Model) (MWout)
Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	374	No. of Gasifiers: Op'g/Sp/Total	18/0/18	Gasifier Status:	Startup	Start Date:	2010
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Fuels
Plt. Owner:	Qatar Petroleum			Plt. Owner Type:	Oil Refining & Chemicals		
Plt. Operator:	Qatar Petroleum			Plant Name:	Pearl GTL		
Gas'n Tech.:	Shell Gasification Process (Technology Name)		Shell (Licensor)	Entrained-flow gasification (Technology Type)			
Vendor Contact:	Jim Volk (Contact)		jim.volk@shell.com (Email)				
Project Contact:							

Facility Information

Facility Owner:	Qatar Petroleum		Facility Name:	Pearl GTL	
Location:	(City/State/Prov)		Facility Type:	Refinery	
	(Country)		Facility Status:	Startup	
	Qatar				
	(Region)				
	Africa/Middle East				

Feed/Product Information

Main Feed:	Gaseous (Category)	Gas (Classification)	Rate (MAF):	0.0 (mt/d)	(Source)
Feed1:	Natural Gas	330 mcf	Syngas Cap.:	80,000,000 (Nm3/d)	(Source)
Feed2:		0	Eq. IGCC Cap., MWe:	5,972.2 (Calculated)	
Feed3:		0			
Main Product:	Motor Fuels (Category)		Fuel Input:	0.0 (MWt)	(Source)
Product1:	FT Diesel	70,000 bpd	Syngas Output:	10,936.0 (MWt)	(Source)
Product2:	Naphtha				
Product3:	Paraffins				

Other Information

O2 Supply:	(Oxidant)	(ASU Supplier)	(ASU Integration)					
Syngas Cooler:	(Cooler Type)	(Cooler Supplier)	(MWth Duty)	0	Soot Handling:			
Gas Cleanup:	(Supplier)	(Process)	Sulfur Removal:	(Supplier)	(Process)			
Gas Turbine:	(No.)	(Supplier)	(Model)	(MWout)				
	0							
HRSG:	(No.)	(Supplier)	(Model)	(Production)	Steam Turbine:			
	0				(No.)	(Supplier)	(Model)	(MWout)
					0			
Prin. Contractor:		Engineer:		Constructor:				

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: 20	No. of Gasifiers: Op'g/Sp/Total 2/0/2	Gasifier Status: Operating	Start Date: June 2000
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Linde AG	Plt. Owner Type: Special Joint Venture		
Plt. Operator: Linde AG	Plant Name: Singapore Syngas Plant		
Gas'n Tech.: GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: Singapore Syngas Pte. Ltd. (Texaco/Messer)	Facility Name: Pulau Merlimau Gas Plant
Location: (City/State/Prov) Jurong Island	Facility Type: Gas Plant
(Country) Singapore	Facility Status: Operating
(Region) Asia/Australia	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 554.0 <small>(mt/d)</small>	Estimate <small>(Source)</small>
Feed1: Ref. residue 572 mt/d	Syngas Cap.: 1,610,000 <small>(Nm3/d)</small>	Gasifier licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 120.2 <small>(Calculated)</small>	
Feed3:		
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 268.4 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product1: H2 25 MMscf/d	Syngas Output: 220.1 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product2: CO 25 MMscf/d		
Product3:		

Other Information

O2 Supply: Oxygen <small>(Oxidant)</small>	Messer Griesheim <small>(ASU Supplier)</small>		<small>(ASU Integration)</small>
Syngas Cooler: Direct water quench cooler <small>(Cooler Type)</small>			Soot Handling:
Gas Cleanup:			Sulfur Removal:
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:			
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
HRSG:			
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>
	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
Prin. Contractor:		Engineer: Linde AG	Constructor: M.W. Kellogg/Chiyoda

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: <input type="text" value="271"/>	No. of Gasifiers: Op'g/Sp/Total <input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status: <input type="text" value="Operating"/>	Start Date: <input type="text" value="2001"/>
Project Count: <input type="text" value="1"/>	Plt. Type: <input type="text" value="Commercial"/>	Project Reality: <input type="text" value="Active-Real"/>	Application: <input type="text" value="Syngas for Power"/>
Plt. Owner: <input type="text" value="Esso Singapore Pty. Ltd."/>	Plt. Owner Type: <input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator: <input type="text" value="Esso Singapore Pty. Ltd."/>	Plant Name: <input type="text" value="Chawan IGCC Plant"/>		
Gas'n Tech.: <input type="text" value="GE Gasification Technology"/>	<input type="text" value="GE"/>	<input type="text" value="Entrained-flow gasification"/>	
	<small>(Technology Name)</small>	<small>(Licensor)</small>	<small>(Technology Type)</small>
Vendor Contact: <input type="text" value="Tim Huskey"/>	<input type="text" value="timothy.huskey@ge.com"/>		
	<small>(Contact)</small>	<small>(Email)</small>	
Project Contact: <input type="text"/>	<input type="text"/>		
	<small>(Contact)</small>	<small>(Email)</small>	

Facility Information

Facility Owner: <input type="text" value="Esso Singapore Pty. Ltd."/>	Facility Name: <input type="text" value="Chawan Refinery"/>
Location: (City/State/Prov) <input type="text" value="Pulau Ayer Chawan, Jurong Island"/>	Facility Type: <input type="text" value="Refinery"/>
(Country) <input type="text" value="Singapore"/>	Facility Status: <input type="text" value="Operating"/>
(Region) <input type="text" value="Asia/Australia"/>	

Feed/Product Information

Main Feed: <input type="text" value="Liquid"/>	<input type="text" value="Petroleum"/>	Rate (MAF): <input type="text" value="924.0"/>	<input type="text" value="Estimate"/>
<small>(Category)</small>	<small>(Classification)</small>	<small>(mt/d)</small>	<small>(Source)</small>
Feed1: <input type="text" value="Residual oil"/>	<input type="text" value="924"/>	<input type="text" value="mt/d"/>	Syngas Cap.: <input type="text" value="2,660,000"/>
Feed2: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Nm3/d)</small> <input type="text" value="Estimate"/>
Feed3: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Source)</small>
Main Product: <input type="text" value="Power"/>	Fuel Input: <input type="text" value="450.0"/>		
<small>(Category)</small>	<small>(MWt)</small> <input type="text" value="Estimate"/>		
Product1: <input type="text" value="Electricity"/>	<input type="text" value="173"/>	<input type="text" value="MW"/>	Syngas Output: <input type="text" value="363.6"/>
Product2: <input type="text" value="H2"/>	<input type="text"/>	<input type="text" value="MMscf/d"/>	<small>(MWt)</small> <input type="text" value="Estimate"/>
Product3: <input type="text" value="Steam"/>	<input type="text"/>	<input type="text" value="lb/hr"/>	<small>(Source)</small>

Other Information

O2 Supply: <input type="text" value="Oxygen"/>	<input type="text"/>	<input type="text"/>	
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>	
Syngas Cooler: <input type="text" value="Direct water quench cooler"/>	<input type="text"/>	<input type="text"/>	
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>	
Gas Cleanup: <input type="text"/>	<input type="text"/>	Sulfur Removal: <input type="text"/>	
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>	
Gas Turbine: <input type="text" value="2"/>	<input type="text" value="General Electric Co."/>	<input type="text" value="6FA"/>	<input type="text" value="173.2"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
HRSG: <input type="text" value="2"/>	<input type="text" value="General Electric Co."/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>
Steam Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>
Prin. Contractor: <input type="text" value="M.W. Kellogg"/>	Engineer: <input type="text" value="M.W. Kellogg"/>	Constructor: <input type="text"/>	

Gasification Database Gasification Plant Report

Date Modified:

16-Jun-03

Key Gasifier Information

Gasifier ID: 3	No. of Gasifiers: Op'g/Sp/Total 15/ 2/ 17	Gasifier Status: Operating	Start Date: 1955
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Fuels
Plt. Owner: Sasol Chemical Industries (Pty.) Ltd./Sasol Ltd.	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Sasol Chemical Industries (Pty.) Ltd./Sasol Ltd.	Plant Name: Sasol-I F-T Syngas Plant		
Gas'n Tech.: Sasol Lurgi Dry Ash Gasification Process (Technology Name)	Lurgi GmbH (Licensor)	Moving-bed gasification (Technology Type)	
Vendor Contact: Claus Greil (Contact)	claus_greil@lurgi.de (Email)		
Project Contact: Pieter Van Nierop (Contact)	pieter.vannierop@sasol.com (Email)		

Facility Information

Facility Owner: Sasol Chemical Industries (Pty.) Ltd./Sasol Ltd.	Facility Name: Sasol-I Petrochemical Plant
Location: (City/State/Prov) Sasolburg	Facility Type: Petrochemical Plant
(Country) South Africa	Facility Status: Operating
(Region) Africa/Middle East	

Feed/Product Information

Main Feed: Solid Coal (Category) (Classification)	Rate (MAF): 7,000.0 (mt/d)	Gasifier licensor data (Source)
Feed1: Bit. coal 10,000 mt/d	Syngas Cap.: 7,100,000 (Nm3/d)	Gasifier operator (Source)
Feed2:	Eq. IGCC Cap., MWe: 530.0 (Calculated)	
Feed3:		
Main Product: Motor Fuels (Category)	Fuel Input: 1,169.4 Estimate (MWt) (Source)	
Product1: FT liquids 4,000 bbl/d	Syngas Output: 970.6 Gasifier operator data (MWt) (Source)	
Product2:		
Product3:		

Other Information

O2 Supply: Oxygen Air Liquide (Oxidant) (ASU Supplier)	Not integrated (ASU Integration)		
Syngas Cooler: Direct-quench/fire-tube (Cooler Type)	(Cooler Supplier)	(MWth Duty)	Soot Handling:
Gas Cleanup: Lurgi Oel•Gas•Chemie GmbH (Supplier)	Rectisol (Process)	Sulfur Removal: Lurgi Oel•Gas•Chemie Gm (Supplier)	Claus (Process)
Gas Turbine: 0 (No.)	(Supplier)	(Model)	(MWout)
HRSG: 0 (No.)	(Supplier)	(Model)	(Production)
	Steam Turbine: 0 (No.)	(Supplier)	(Model) (MWout)
Prin. Contractor: Lurgi/M.W. Kellogg	Engineer:	Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-04

Key Gasifier Information

Gasifier ID: 145	No. of Gasifiers: Op'g/Sp/Total 40/ 0/ 40	Gasifier Status: Operating	Start Date: 1977
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Fuels/Chemicals
Plt. Owner: Sasol (Pty) Ltd.	Plt. Owner Type: Synthetic Fuels & Chemicals		
Plt. Operator: Sasol Synfuels (Pty) Ltd.	Plant Name: Sasol Synfuels		
Gas'n Tech.: Sasol Lurgi fixed bed, dry bottom <small>(Technology Name)</small>	Sasol Lurgi GmbH <small>(Licensor)</small>	Fixed-bed gasification <small>(Technology Type)</small>	
Vendor Contact: Pauli Bauman <small>(Contact)</small>	pauli.bauman@sasol.com <small>(Email)</small>		
Project Contact: Eric van de Venter <small>(Contact)</small>	eric.vandeventer@sasol.com <small>(Email)</small>		

Facility Information

Facility Owner: Sasol (Pty) Ltd.	Facility Name: Sasol Synfuels
Location: (City/State/Prov) Secunda, Mpumalanga	Facility Type: Petrochemical Plant
(Country) South Africa	Facility Status: Operating
(Region) Africa/Middle East	

Feed/Product Information

Main Feed: Solid Coal <small>(Category) (Classification)</small>	Rate (MAF): 24,780.0 <small>(mt/d)</small>	Operator/licensor <small>(Source)</small>
Feed1: Subbit. coal 1,475 mt/hr	Syngas Cap.: 39,600,000 <small>(Nm3/d)</small>	Operator/licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 2,956.2 <small>(Calculated)</small>	
Feed3:		
Main Product: Motor Fuels <small>(Category)</small>	Fuel Input: 8,810.0 <small>(MWt)</small>	Operator/licensor <small>(Source)</small>
Product1: Gas	Syngas Output: 7,048.0 <small>(MWt)</small>	Operator/licensor <small>(Source)</small>
Product2: Chemicals		
Product3:		

Other Information

O2 Supply: Oxygen Air Liquide <small>(Oxidant) (ASU Supplier)</small>	Not integrated <small>(ASU Integration)</small>		
Syngas Cooler: No SG cooler; series of air & water coolers <small>(Cooler Type)</small>		Soot Handling: N.A.	
Gas Cleanup: Lurgi Oel•Gas•Chemie GmbH Rectisol <small>(Supplier) (Process)</small>	Sulfur Removal: Sasol/Linde Sulfolin (Stretford variant) <small>(Supplier) (Process)</small>		
Gas Turbine: 0 N.A. 0 <small>(No.) (Supplier) (Model) (MWout)</small>			
HRSG: 0 N.A. 0 <small>(No.) (Supplier) (Model) (Production)</small>	Steam Turbine: 0 N.A. 0 <small>(No.) (Supplier) (Model) (MWout)</small>		
Prin. Contractor: Lurgi	Engineer: Fluor Daniel, Inc.	Constructor: Fluor Daniel, Inc.	

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-04

Key Gasifier Information

Gasifier ID: 146	No. of Gasifiers: Op'g/Sp/Total 40/ 0/ 40	Gasifier Status: Operating	Start Date: 1982
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Fuels/Chemicals
Plt. Owner: Sasol (Pty) Ltd.	Plt. Owner Type: Synthetic Fuels & Chemicals		
Plt. Operator: Sasol Synfuels (Pty) Ltd.	Plant Name: Gasification East Plant		
Gas'n Tech.: Sasol Lurgi fixed bed, dry bottom <small>(Technology Name)</small>	Sasol Lurgi GmbH <small>(Licensor)</small>	Fixed-bed gasification <small>(Technology Type)</small>	
Vendor Contact: Pauli Bauman <small>(Contact)</small>	pauli.bauman@sasol.com <small>(Email)</small>		
Project Contact: Pieter Van Nierop <small>(Contact)</small>	pieter.vannierop@sasol.com <small>(Email)</small>		

Facility Information

Facility Owner: Sasol (Pty) Ltd.	Facility Name: Sasol Synfuels
Location: (City/State/Prov) Secunda, Mpumalanga	Facility Type: Petrochemical Plant
(Country) South Africa	Facility Status: Operating
(Region) Africa/Middle East	

Feed/Product Information

Main Feed: Solid Coal <small>(Category) (Classification)</small>	Rate (MAF): 24,780.0 <small>(mt/d)</small>	Operator/licensor <small>(Source)</small>
Feed1: Subbit. coal 1,475 mt/hr	Syngas Cap.: 39,600,000 <small>(Nm3/d)</small>	Operator/licensor <small>(Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 2,956.2 <small>(Calculated)</small>	
Feed3:		
Main Product: Motor Fuels <small>(Category)</small>	Fuel Input: 8,810.0 <small>(MWt)</small>	Operator/licensor <small>(Source)</small>
Product1: Gas	Syngas Output: 7,048.0 <small>(MWt)</small>	Operator/licensor <small>(Source)</small>
Product2: Chemicals		
Product3:		

Other Information

O2 Supply: Oxygen Air Liquide <small>(Oxidant) (ASU Supplier)</small>	Not integrated <small>(ASU Integration)</small>		
Syngas Cooler: No SG cooler; series of air & water coolers <small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>	Soot Handling: N.A.
Gas Cleanup: Lurgi Oel•Gas•Chemie GmbH <small>(Supplier)</small>	Rectisol <small>(Process)</small>	Sulfur Removal: Sasol/Linde <small>(Supplier)</small>	Sulfolin (Stretford variant) <small>(Process)</small>
Gas Turbine: 0 <small>(No.) (Supplier)</small>	N.A. <small>(Model)</small>	0 <small>(MWout)</small>	
HRSG: 0 <small>(No.) (Supplier)</small>	N.A. <small>(Model)</small>	0 <small>(Production)</small>	Steam Turbine: 0 <small>(No.) (Supplier)</small>
			N.A. <small>(Model)</small>
			0 <small>(MWout)</small>
Prin. Contractor: Lurgi	Engineer: Fluor Daniel, Inc.	Constructor: Fluor Daniel, Inc.	

Gasification Database Gasification Plant Report

Date Modified:

20-Jul-04

Key Gasifier Information

Gasifier ID: 96	No. of Gasifiers: Op'g/Sp/Total 1/0/1	Gasifier Status: Operating	Start Date: Oct, 1969
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Lucky Goldstar Chemical Ltd.	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Lucky Goldstar Chemical Ltd.	Plant Name: Naju Ammonia Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: Lucky Goldstar Chemical Ltd.	Facility Name: Naju Chemical Plant
Location: (City/State/Prov) Naju, Seoul	Facility Type: Chemical Plant
(Country) South Korea	Facility Status: Operating
(Region) Asia/Australia	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 172.2 Estimate <small>(mt/d) (Source)</small>
Feed1: Vac. Residue 225 mt/d	Syngas Cap.: 700,000 Gasifier licensor <small>(Nm3/d) (Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 52.3 <small>(Calculated)</small>
Feed3:	
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 83.4 Gasifier licensor data <small>(MWt) (Source)</small>
Product1: Ammonia 318 mt/d	Syngas Output: 68.4 Gasifier licensor data <small>(MWt) (Source)</small>
Product2:	
Product3:	

Other Information

O2 Supply:			
<small>(Oxidant) (ASU Supplier) (ASU Integration)</small>			
Syngas Cooler: Fire-tube boiler <small>(Cooler Type)</small>		Soot Handling: SARU	
<small>(Cooler Supplier) (MWth Duty)</small>			
Gas Cleanup: Shell Sulfinol <small>(Supplier) (Process)</small>	Sulfur Removal:		
<small>(Supplier) (Process)</small>	<small>(Supplier) (Process)</small>		
Gas Turbine:			
<small>(No.) (Supplier) (Model) (MWout)</small>			
HRSG:		Steam Turbine:	
<small>(No.) (Supplier) (Model) (Production)</small>		<small>(No.) (Supplier) (Model) (MWout)</small>	
Prin. Contractor: Lurgi GmbH	Engineer:	Constructor: Lurgi GmbH	

Gasification Database Gasification Plant Report

Date Modified:

02-Mar-99

Key Gasifier Information

Gasifier ID: 230	No. of Gasifiers: Op'g/Sp/Total 1/0/1	Gasifier Status: Operating	Start Date: 1996
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Lucky Goldstar Chemical Ltd.	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Lucky Goldstar Chemical Ltd.	Plant Name: Yochon Oxochemicals Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: Lucky Goldstar Chemical Ltd.	Facility Name: Yochon Chemical Plant
Location: (City/State/Prov) Yochon	Facility Type: Chemical Plant
(Country) South Korea	Facility Status: Operating
(Region) Asia/Australia	

Feed/Product Information

Main Feed: Liquid Petroleum <small>(Category) (Classification)</small>	Rate (MAF): 132.0 Estimate <small>(mt/d) (Source)</small>
Feed1: Bunker C fuel oil 132 mt/d	Syngas Cap.: 384,000 Gasifier licensor <small>(Nm3/d) (Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 28.7 <small>(Calculated)</small>
Feed3:	
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 64.0 Gasifier licensor data <small>(MWt) (Source)</small>
Product1: Oxochemicals mt/d	Syngas Output: 52.5 Gasifier licensor data <small>(MWt) (Source)</small>
Product2:	
Product3:	

Other Information

O2 Supply:			
<small>(Oxidant) (ASU Supplier) (ASU Integration)</small>			
Syngas Cooler: Fire-tube boiler			Soot Handling:
<small>(Cooler Type) (Cooler Supplier) (MWth Duty)</small>			
Gas Cleanup:		Sulfur Removal:	
<small>(Supplier) (Process)</small>		<small>(Supplier) (Process)</small>	
Gas Turbine:			
<small>(No.) (Supplier) (Model) (MWout)</small>			
HRSG:		Steam Turbine:	
<small>(No.) (Supplier) (Model) (Production)</small>		<small>(No.) (Supplier) (Model) (MWout)</small>	
Prin. Contractor: Lurgi GmbH	Engineer:	Constructor: Lurgi GmbH	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: **No. of Gasifiers: Op'g/Sp/Total** / / **Gasifier Status:** **Start Date:**

Project Count: **Plt. Type:** **Project Reality:** **Application:**

Plt. Owner: **Plt. Owner Type:**

Plt. Operator: **Plant Name:**

Gas'n Tech.:
(Technology Name) (Licensor) (Technology Type)

Vendor Contact:
(Contact) (Email)

Project Contact:
(Contact) (Email)

Facility Information

Facility Owner: **Facility Name:**

Location: **Facility Type:**
(City/State/Prov)

Facility Status:
(Country)

(Region)

Feed/Product Information

Main Feed: **Rate (MAF):**
(Category) (Classification) (mt/d) (Source)

Feed1: **Syngas Cap.:**
(Nm3/d) (Source)

Feed2: **Eq. IGCC Cap., MWe:**
(Calculated)

Feed3:

Main Product:
(Category)

Fuel Input:
(MWt) (Source)

Product1: **Syngas Output:**
(MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply:
(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler: **Soot Handling:**
(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup: **Sulfur Removal:**
(Supplier) (Process) (Supplier) (Process)

Gas Turbine:
(No.) (Supplier) (Model) (MWout)

HRSG: **Steam Turbine:**
(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	440	No. of Gasifiers: Op'g/Sp/Total	2/ 1/ 3	Gasifier Status:	FEED	Start Date:	2014
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Gases
Plt. Owner:	POSCO			Plt. Owner Type:			
Plt. Operator:	POSCO			Plant Name:	POSCO Gwangyang SNG Project		
Gas'n Tech.:	E-GAS (ConocoPhillips) Gasification Process <small>(Technology Name)</small>		ConocoPhillips <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Phil R. Amick <small>(Contact)</small>		Phil.Amick@ConocoPhillips.com <small>(Email)</small>				
Project Contact:							

Facility Information

Facility Owner:	POSCO	Facility Name:	POSCO Gwangyang SNG Project
Location: (City/State/Prov)		Facility Type:	
(Country)	South Korea	Facility Status:	FEED
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Coal <small>(Classification)</small>	Rate (MAF):	5,100.0 <small>(mt/d)</small>		(Source)
Feed1:	Coal	5,100	mt/d	Syngas Cap.:	6,900,000 <small>(Nm3/d)</small>	(Source)
Feed2:				Eq. IGCC Cap., MWe:	515.1 <small>(Calculated)</small>	
Feed3:						
Main Product:	Gaseous fuels <small>(Category)</small>		Fuel Input:			(MWt) (Source)
Product1:	SNG		Syngas Output:	942.0 <small>(MWt)</small>		(Source)
Product2:						
Product3:						

Other Information

O2 Supply:				(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:				(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Soot Handling:						
Gas Cleanup:				(Supplier)	(Process)	
Sulfur Removal:				(Supplier)	(Process)	
Gas Turbine:				(No.)	(Supplier)	(Model) (MWout)
HRSG:				(No.)	(Supplier)	(Model) (Production)
Steam Turbine:				(No.)	(Supplier)	(Model) (MWout)
Prin. Contractor:		Engineer:		Constructor:		

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID: 58	No. of Gasifiers: Op'g/Sp/Total 1/0/1	Gasifier Status: Operating	Start Date: 1998
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Power
Plt. Owner: Elcogas SA	Plt. Owner Type: Special Joint Venture		
Plt. Operator: Elcogas SA	Plant Name: Puertollano IGCC Plant		
Gas'n Tech.: Uhde PRENFLO Gasification Technology <small>(Technology Name)</small>	Uhde <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: William Richards <small>(Contact)</small>	bill.richards@thyssenkrupp.com <small>(Email)</small>		
Project Contact: Ignacio Méndez-Vigo <small>(Contact)</small>	imendezvigo@elcogas.es <small>(Email)</small>		

Facility Information

Facility Owner: Elcogas SA	Facility Name: Puertollano Power Plant
Location: (City/State/Prov) Puertollano	Facility Type: Electric Utility
(Country) Spain	Facility Status: Operating
(Region) Europe	

Feed/Product Information

Main Feed: Solid Coal <small>(Category) (Classification)</small>	Rate (MAF): <small>(mt/d) (Source)</small>
Feed1: Coal & petcoke 2,600 mt/d	Syngas Cap.: 4,300,000 Gasifier licensor <small>(Nm3/d) (Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 321.0 <small>(Calculated)</small>
Feed3:	
Main Product: Power <small>(Category)</small>	Fuel Input: 734.8 Gasifier licensor data <small>(MWt) (Source)</small>
Product1: Electricity 335 MWe	Syngas Output: 587.8 Gasifier licensor data <small>(MWt) (Source)</small>
Product2:	
Product3:	

Other Information

O2 Supply: Oxygen Air Liquide Integrated <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>		
Syngas Cooler: Convective syngas cooler Steinmüller <small>(Cooler Type) (Cooler Supplier) (MWth Duty)</small>	Soot Handling:	
Gas Cleanup: Krupp Uhde MDEA <small>(Supplier) (Process)</small>	Sulfur Removal: Claus <small>(Supplier) (Process)</small>	
Gas Turbine: 1 Siemens/KWU V94.3 182.3 <small>(No.) (Supplier) (Model) (MWout)</small>		
HRSG: 1 Babcock & Wilcox <small>(No.) (Supplier) (Model) (Production)</small>	Steam Turbine: 1 Siemens/KWU 135.4 <small>(No.) (Supplier) (Model) (MWout)</small>	
Prin. Contractor: Krupp Uhde	Engineer: Krupp Uhde	Constructor: B&W/Krupp Uhde

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="59"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1997"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Gases"/>
Plt. Owner:	<input type="text" value="GE Plastics España"/>			Plt. Owner Type:	<input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator:	<input type="text" value="GE Plastics España"/>			Plant Name:	<input type="text" value="Cartagena Syngas Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="GE Plastics España"/>		Facility Name:	<input type="text" value="Cartagena Chemical Plant"/>	
Location: (City/State/Prov)	<input type="text" value="Cartagena"/>		Facility Type:	<input type="text" value="Chemical Plant"/>	
(Country)	<input type="text" value="Spain"/>		Facility Status:	<input type="text" value="Operating"/>	
(Region)	<input type="text" value="Europe"/>				

Feed/Product Information

Main Feed:	<input type="text" value="Gaseous"/> <small>(Category)</small>	<input type="text" value="Gas"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Natural gas"/>	<input type="text" value="2,345,700"/> MMscf/d	Syngas Cap.:	<input type="text" value="160,800"/> <small>(Nm3/d)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="12.0"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="25.9"/> <small>(MWt)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Product1:	<input type="text" value="CO"/>	<input type="text" value="3"/> MMscf/d	Syngas Output:	<input type="text" value="22.0"/> <small>(MWt)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>		
Syngas Cooler:	<input type="text" value="Direct water quench cooler"/> <small>(Cooler Type)</small>		<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling: <input type="text"/>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>	
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>	Steam Turbine:
					<input type="text"/> <small>(No.)</small>
					<input type="text"/> <small>(Supplier)</small>
					<input type="text"/> <small>(Model)</small>
					<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text" value="FW Iberia"/>		Engineer:	<input type="text" value="FW Iberia"/>	
			Constructor:	<input type="text" value="FW Iberia"/>	

Gasification Database Gasification Plant Report

Date Modified:

23-Feb-01

Key Gasifier Information

Gasifier ID:	275	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	June 1993
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Power
Plt. Owner:	Sydkraft AB			Plt. Owner Type:	Utility		
Plt. Operator:	Sydkraft AB			Plant Name:	Värnamo IGCC Demonstration Plant		
Gas'n Tech.:	Foster Wheeler Pressurized Circulating Fluidized Bed Gasifier <small>(Technology Name)</small>		Foster Wheeler International <small>(Licensor)</small>	Fluidized-bed gasification <small>(Technology Type)</small>			
Vendor Contact:	Lawford C. Howells <small>(Contact)</small>		Lawford_Howells@fwc.com <small>(Email)</small>				
Project Contact:	Krister Stahl <small>(Contact)</small>		 <small>(Email)</small>				

Facility Information

Facility Owner:	Sydkraft AB	Facility Name:	Malmö/Värnamo Plant
Location: (City/State/Prov)	Malmö/Värnamo	Facility Type:	Electric Utility
(Country)	Sweden	Facility Status:	Operating
(Region)	Europe		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Biomass/Waste <small>(Classification)</small>	Rate (MAF):	55.0 <small>(mt/d)</small>	Gasifier licensor data <small>(Source)</small>
Feed1:	Biofuels	55 mt/d	Syngas Cap.:	105,000 <small>(Nm3/d)</small>	Estimate <small>(Source)</small>
Feed2:			Eq. IGCC Cap., MWe:	7.8 <small>(Calculated)</small>	
Feed3:					
Main Product:	Power <small>(Category)</small>		Fuel Input:	18.0 <small>(MWt)</small>	Gasifier licensor data <small>(Source)</small>
Product1:	Electricity	6 MWe	Syngas Output:	14.4 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product2:	District heat	9 MWth			
Product3:					

Other Information

O2 Supply:	Air <small>(Oxidant)</small>	 <small>(ASU Supplier)</small>	 <small>(ASU Integration)</small>		
Syngas Cooler:	 <small>(Cooler Type)</small>	 <small>(Cooler Supplier)</small>	Soot Handling: <small>(MWth Duty)</small>		
Gas Cleanup:	 <small>(Supplier)</small>	 <small>(Process)</small>	Sulfur Removal: <small>(Supplier)</small> <small>(Process)</small>		
Gas Turbine:	1 <small>(No.)</small>	Alstom UK <small>(Supplier)</small>	Typhoon <small>(Model)</small>	4.2 <small>(MWout)</small>	
HRSG:	 <small>(No.)</small>	 <small>(Supplier)</small>	 <small>(Model)</small>	 <small>(Production)</small>	
Steam Turbine:	1 <small>(No.)</small>	Nadrowski <small>(Supplier)</small>	 <small>(Model)</small>	2 <small>(MWout)</small>	
Prin. Contractor:		Engineer:		Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	317	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	1984
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Fuels
Plt. Owner:	Norrundet Bruks Ab	Plt. Owner Type:	Pulp & Paper Processing				
Plt. Operator:	Norrundet Bruks Ab	Plant Name:	Norrundet ACFBG Unit				
Gas'n Tech.:	Foster Wheeler Atmospheric Circulating Fluidized Bed Gasifier (Technology Name)	Foster Wheeler International (Licensor)	Fluidized-bed gasification (Technology Type)				
Vendor Contact:	John Hemmings (Contact)	john_hemmings@fwc.com (Email)					
Project Contact:							

Facility Information

Facility Owner:	Norrundet Bruks Ab	Facility Name:	Norrundet Mill
Location: (City/State/Prov)	Norrundet	Facility Type:	Pulp & Paper Mill
(Country)	Sweden	Facility Status:	Operating
(Region)	Europe		

Feed/Product Information

Main Feed:	Solid (Category)	Biomass/Waste (Classification)	Rate (MAF):		
			(mt/d)	(Source)	
Feed1:	Bark		mt/d	Syngas Cap.:	146,299 Estimate (Nm3/d) (Source)
Feed2:				Eq. IGCC Cap., MWe:	10.9 (Calculated)
Feed3:					
Main Product:	Gaseous fuels (Category)			Fuel Input:	25.0 Gasifier licensor data (MWt) (Source)
Product1:	Syngas		25 MWth	Syngas Output:	20.0 Estimate (MWt) (Source)
Product2:					
Product3:					

Other Information

O2 Supply:	Air (Oxidant)			(ASU Supplier)		(ASU Integration)														
Syngas Cooler:				(Cooler Type)		(Cooler Supplier)		(MWth Duty)	Soot Handling:											
Gas Cleanup:				(Supplier)		(Process)	Sulfur Removal:		(Supplier)	(Process)										
Gas Turbine:				(No.)		(Supplier)		(Model)		(MWout)										
HRSG:				(No.)		(Supplier)		(Model)		(Production)	Steam Turbine:			(No.)		(Supplier)		(Model)		(MWout)
Prin. Contractor:		Engineer:		Constructor:																

Gasification Database Gasification Plant Report

Date Modified:

15-Sep-04

Key Gasifier Information

Gasifier ID:	385	No. of Gasifiers: Op'g/Sp/Total	1/0/1	Gasifier Status:	Operating	Start Date:	Feb. 2004
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Active-Real	Application:	Syngas for Chemicals
Plt. Owner:	BP/Formosa			Plt. Owner Type:			
Plt. Operator:	BP/Formosa			Plant Name:	Mai Liao Refinery		
Gas'n Tech.:	GE Gasification Technology <small>(Technology Name)</small>		GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>			
Vendor Contact:	Tim Huskey <small>(Contact)</small>		timothy.huskey@ge.com <small>(Email)</small>				
Project Contact:							

Facility Information

Facility Owner:				Facility Name:	Mai Liao Refinery		
Location: (City/State/Prov)	Mai Liao			Facility Type:	Refinery		
(Country)	Taiwan			Facility Status:	Operating		
(Region)	Asia/Australia						

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Petroleum <small>(Classification)</small>	Rate (MAF):	0.0 <small>(mt/d)</small>			
Feed1:	Naphtha	0	Syngas Cap.:	1,080,000 <small>(Nm3/d)</small>			
Feed2:		0	Eq. IGCC Cap., MWe:	80.6 <small>(Calculated)</small>			
Feed3:		0					
Main Product:	Chemicals <small>(Category)</small>		Fuel Input:	0.0 <small>(MWt)</small>			
Product1:	Methanol	0	Syngas Output:	147.6 <small>(MWt)</small>			
Product2:		0					
Product3:		0					

Other Information

O2 Supply:			
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler:		0	Soot Handling:
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup:			Sulfur Removal:
	<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small> <small>(Process)</small>
Gas Turbine:	0		0
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small> <small>(MWout)</small>
HRSG:	0		0
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small> <small>(Production)</small> <small>(MWout)</small>
Steam Turbine:	0		0
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small> <small>(MWout)</small>
Prin. Contractor:		Engineer:	Constructor:

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: **No. of Gasifiers: Op'g/Sp/Total** / / **Gasifier Status:** **Start Date:**

Project Count: **Plt. Type:** **Project Reality:** **Application:**

Plt. Owner: **Plt. Owner Type:**

Plt. Operator: **Plant Name:**

Gas'n Tech.:
(Technology Name) (Licensor) (Technology Type)

Vendor Contact:
(Contact) (Email)

Project Contact:
(Contact) (Email)

Facility Information

Facility Owner: **Facility Name:**

Location: **Facility Type:**
(City/State/Prov)

Facility Status:
(Country)

(Region)

Feed/Product Information

Main Feed: **Rate (MAF):**
(Category) (Classification) (mt/d) (Source)

Feed1: **Syngas Cap.:**
(Nm3/d) (Source)

Feed2: **Eq. IGCC Cap., MWe:**
(Calculated)

Feed3:

Main Product:
(Category)

Fuel Input:
(MWt) (Source)

Product1: **Syngas Output:**
(MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply:
(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler: **Soot Handling:**
(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup: **Sulfur Removal:**
(Supplier) (Process) (Supplier) (Process)

Gas Turbine:
(No.) (Supplier) (Model) (MWout)

HRSG: **Steam Turbine:**
(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:	<input type="text" value="294"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="3"/> / <input type="text" value="0"/> / <input type="text" value="3"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1959"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Taminco"/>			Plt. Owner Type:	<input type="text" value="Industrial Gas Supply"/>		
Plt. Operator:	<input type="text" value="Taminco"/>			Plant Name:	<input type="text" value="Billingham Oxochemicals Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Taminco"/>		Facility Name:	<input type="text" value="Unspecified facility"/>	
Location:	<input type="text" value="Billingham, England"/> <small>(City/State/Prov)</small>		Facility Type:	<input type="text" value="Chemical Plant"/>	
	<input type="text" value="United Kingdom"/> <small>(Country)</small>		Facility Status:	<input type="text" value="Operating"/>	
	<input type="text" value="Europe"/> <small>(Region)</small>				

Feed/Product Information

Main Feed:	<input type="text" value="Gaseous"/> <small>(Category)</small>	<input type="text" value="Gas"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Natural gas"/>	<input type="text" value="9"/> <small>MMscf/d</small>	Syngas Cap.:	<input type="text" value="600,000"/> <small>(Nm3/d)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="44.8"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="96.5"/> <small>(MWt)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Product1:	<input type="text" value="Oxochemicals"/>	<input type="text"/> <small>mt/d</small>	Syngas Output:	<input type="text" value="82.0"/> <small>(MWt)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>	
Syngas Cooler:	<input type="text" value="Direct water quench cooler"/> <small>(Cooler Type)</small>		<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>
				<input type="text"/> <small>(Process)</small>
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>
			Steam Turbine:	<input type="text"/> <small>(No.)</small>
				<input type="text"/> <small>(Supplier)</small>
				<input type="text"/> <small>(Model)</small>
				<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text" value="ICI"/>
			Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	431	No. of Gasifiers: Op'g/Sp/Total	2/		2	Gasifier Status:	FEED	Start Date:	2011			
Project Count:	1	Plt. Type:	Commercial			Project Reality:	Planning			Application:	Syngas for Power	
Plt. Owner:	Powerfuel					Plt. Owner Type:						
Plt. Operator:	Powerfuel					Plant Name:	Powerfuel					
Gas'n Tech.:	Shell Gasification Process <small>(Technology Name)</small>					Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>					
Vendor Contact:	Jim Volk <small>(Contact)</small>					jim.volk@shell.com <small>(Email)</small>						
Project Contact:												

Facility Information

Facility Owner:	Powerfuel					Facility Name:					
Location:	<small>(City/State/Prov)</small>					Facility Type:					
	<small>(Country)</small>					Facility Status:	FEED				
	United Kingdom										
	<small>(Region)</small>										
	Europe										

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Coal <small>(Classification)</small>	Rate (MAF):				
				<small>(mt/d)</small>	<small>(Source)</small>		
Feed1:	Coal		Syngas Cap.:	9,400,000			
				<small>(Nm3/d)</small>	<small>(Source)</small>		
Feed2:			Eq. IGCC Cap., MWe:	701.7			
				<small>(Calculated)</small>			
Feed3:							
Main Product:	Power <small>(Category)</small>		Fuel Input:				
				<small>(MWt)</small>	<small>(Source)</small>		
Product1:	Electricity	900	Syngas Output:	1,283.0			
		<small>MW</small>		<small>(MWt)</small>	<small>(Source)</small>		
Product2:							
Product3:							

Other Information

O2 Supply:					
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>		
Syngas Cooler:				Soot Handling:	
	<small>(Cooler Type)</small>			<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup:			Sulfur Removal:		
	<small>(Supplier)</small>		<small>(Process)</small>	<small>(Supplier)</small>	
	<small>(Process)</small>		<small>(Process)</small>		
Gas Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(MWout)</small>
Steam Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
Prin. Contractor:			Engineer:		
	<small>(Contractor)</small>		<small>(Engineer)</small>	<small>(Constructor)</small>	

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID: <input type="text" value="22"/>	No. of Gasifiers: Op'g/Sp/Total <input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status: <input type="text" value="Operating"/>	Start Date: <input type="text" value="Aug 1996"/>
Project Count: <input type="text" value="1"/>	Plt. Type: <input type="text" value="Commercial"/>	Project Reality: <input type="text" value="Active-Real"/>	Application: <input type="text" value="Syngas for Chemicals"/>
Plt. Owner: <input type="text" value="Air Products & Chemicals, Inc."/>	Plt. Owner Type: <input type="text" value="Industrial Gas Supply"/>		
Plt. Operator: <input type="text" value="Air Products & Chemicals, Inc."/>	Plant Name: <input type="text" value="LaPorte Syngas Plant"/>		
Gas'n Tech.: <input type="text" value="GE Gasification Technology"/>	<input type="text" value="GE"/>	<input type="text" value="Entrained-flow gasification"/>	
	<small>(Technology Name)</small>	<small>(Licensor)</small>	<small>(Technology Type)</small>
Vendor Contact: <input type="text" value="Tim Huskey"/>	<input type="text" value="timothy.huskey@ge.com"/>		
	<small>(Contact)</small>	<small>(Email)</small>	
Project Contact: <input type="text"/>	<input type="text"/>		
	<small>(Contact)</small>	<small>(Email)</small>	

Facility Information

Facility Owner: <input type="text" value="Air Products & Chemicals, Inc."/>	Facility Name: <input type="text" value="LaPorte Industrial Gas Complex"/>
Location: (City/State/Prov) <input type="text" value="LaPorte, TX"/>	Facility Type: <input type="text" value="Gas Plant"/>
(Country) <input type="text" value="United States"/>	Facility Status: <input type="text" value="Operating"/>
(Region) <input type="text" value="North America"/>	

Feed/Product Information

Main Feed: <input type="text" value="Gaseous"/>	<input type="text" value="Gas"/>	Rate (MAF): <input type="text"/>	<input type="text"/>
<small>(Category)</small>	<small>(Classification)</small>	<small>(mt/d)</small>	<small>(Source)</small>
Feed1: <input type="text" value="Natural gas"/>	<input type="text" value="28,677,100"/>	<input type="text" value="MMscf/d"/>	Syngas Cap.: <input type="text" value="1,850,000"/>
Feed2: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Nm3/d)</small> <input type="text" value="Estimate"/>
Feed3: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Source)</small>
Main Product: <input type="text" value="Chemicals"/>	Fuel Input: <input type="text" value="315.9"/>		
<small>(Category)</small>	<small>(MWt)</small> <input type="text" value="Estimate"/>		
Product1: <input type="text" value="H2"/>	<input type="text" value="50"/>	<input type="text" value="MMscf/d"/>	Syngas Output: <input type="text" value="252.7"/>
Product2: <input type="text" value="CO"/>	<input type="text" value="16"/>	<input type="text" value="MMscf/d"/>	<small>(MWt)</small> <input type="text" value="Estimate"/>
Product3: <input type="text"/>	<input type="text"/>	<input type="text"/>	<small>(Source)</small>

Other Information

O2 Supply: <input type="text" value="Oxygen"/>	<input type="text" value="Air Products & Chemicals, Inc."/>	<input type="text" value="Not integrated"/>
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler: <input type="text" value="Radiant syngas cooler"/>	<input type="text"/>	<input type="text"/>
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup: <input type="text"/>	<input type="text"/>	Sulfur Removal: <input type="text"/>
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>
Gas Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>
HRSG: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Production)</small>
Steam Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>
Prin. Contractor: <input type="text" value="KTI"/>	Engineer: <input type="text" value="KTI"/>	Constructor: <input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

27-Aug-03

Key Gasifier Information

Gasifier ID: 24	No. of Gasifiers: Op'g/Sp/Total 12/ 2/ 14	Gasifier Status: Operating	Start Date: 1984
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Gases
Plt. Owner: Dakota Gasification Co.	Plt. Owner Type: Utility		
Plt. Operator: Dakota Gasification Co.	Plant Name: Great Plains Synfuels Plant		
Gas'n Tech.: Sasol Lurgi Dry Ash Gasification Process <small>(Technology Name)</small>	Lurgi GmbH <small>(Licensor)</small>	Moving-bed gasification <small>(Technology Type)</small>	
Vendor Contact: Claus Greil <small>(Contact)</small>	claus_greil@lurgi.de <small>(Email)</small>		
Project Contact: Fred Stern <small>(Contact)</small>	frstern@bepc.com <small>(Email)</small>		

Facility Information

Facility Owner: Dakota Gasification Co.	Facility Name: Great Plains Synfuels Plant
Location: (City/State/Prov) Bismarck, ND	Facility Type: Electric Utility
(Country) United States	Facility Status: Operating
(Region) North America	

Feed/Product Information

Main Feed: Solid Coal <small>(Category) (Classification)</small>	Rate (MAF): 8,000.0 <small>(mt/d)</small>	Gasifier licensor data <small>(Source)</small>
Feed1: Lignite 14,000 t/d	Syngas Cap.: 13,900,000 <small>(Nm3/d) Estimate (Source)</small>	
Feed2: Ref. residue 50 t/d	Eq. IGCC Cap., MWe: 1,037.7 <small>(Calculated)</small>	
Feed3:		
Main Product: Gaseous fuels <small>(Category)</small>	Fuel Input: 2,533.7 <small>(MWt) Estimate (Source)</small>	
Product1: SNG 160 MMscf/d	Syngas Output: 1,900.3 <small>(MWt) Estimate (Source)</small>	
Product2: CO2 5,000 mt/d		
Product3:		

Other Information

O2 Supply: Oxygen Linde AG <small>(Oxidant) (ASU Supplier)</small>	Across-the-fence/No integration <small>(ASU Integration)</small>		
Syngas Cooler: Direct-quench/fire-tube <small>(Cooler Type)</small>	(Cooler Supplier)	(MWth Duty)	Soot Handling:
Gas Cleanup: Lurgi Oel•Gas•Chemie GmbH <small>(Supplier)</small>	Rectisol <small>(Process)</small>	Sulfur Removal:	NH3-based SO2 scrubber <small>(Process)</small>
Gas Turbine: 0 <small>(No.) (Supplier)</small>	N.A. <small>(Model)</small>	0 <small>(MWout)</small>	
HRSG: 0 <small>(No.) (Supplier)</small>	N.A. <small>(Model)</small>	0 <small>(Production)</small>	Steam Turbine: 0 <small>(No.) (Supplier)</small>
	N.A. <small>(Model)</small>		0 <small>(MWout)</small>
Prin. Contractor: C-E Lummus/Kaiser	Engineer:	Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: <input type="text" value="27"/>	No. of Gasifiers: Op'g/Sp/Total <input type="text" value="1"/> / <input type="text" value="1"/> / <input type="text" value="2"/>	Gasifier Status: <input type="text" value="Operating"/>	Start Date: <input type="text" value="July 1983"/>
Project Count: <input type="text" value="1"/>	Plt. Type: <input type="text" value="Commercial"/>	Project Reality: <input type="text" value="Active-Real"/>	Application: <input type="text" value="Syngas for Chemicals"/>
Plt. Owner: <input type="text" value="Eastman Chemical Co."/>	Plt. Owner Type: <input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator: <input type="text" value="Eastman Chemical Co."/>	Plant Name: <input type="text" value="Kingsport Integrated Coal Gasification Facility"/>		
Gas'n Tech.: <input type="text" value="GE Gasification Technology"/>	<input type="text" value="GE"/>	<input type="text" value="Entrained-flow gasification"/>	
<small>(Technology Name)</small>		<small>(Licensor)</small>	<small>(Technology Type)</small>
Vendor Contact: <input type="text" value="Tim Huskey"/>	<input type="text" value="timothy.huskey@ge.com"/>		
<small>(Contact)</small>		<small>(Email)</small>	
Project Contact: <input type="text" value="R.G. Smith"/>	<input type="text" value="rgsmith@eastman.com"/>		
<small>(Contact)</small>		<small>(Email)</small>	

Facility Information

Facility Owner: <input type="text" value="Eastman Chemical Co."/>	Facility Name: <input type="text" value="Kingsport Chemical Complex"/>
Location: (City/State/Prov) <input type="text" value="Kingsport, TN"/>	Facility Type: <input type="text" value="Petrochemical Plant"/>
(Country) <input type="text" value="United States"/>	Facility Status: <input type="text" value="Operating"/>
(Region) <input type="text" value="North America"/>	

Feed/Product Information

Main Feed: <input type="text" value="Solid"/> <input type="text" value="Coal"/>	Rate (MAF): <input type="text" value="750.0"/> <input type="text" value="Estimate"/>
<small>(Category)</small> <small>(Classification)</small>	<small>(mt/d)</small> <small>(Source)</small>
Feed1: <input type="text" value="Bit. coal"/> <input type="text" value="1,225 t/d"/>	Syngas Cap.: <input type="text" value="1,600,000"/> <input type="text" value="Gasifier licensor"/>
Feed2: <input type="text"/> <input type="text"/>	<small>(Nm3/d)</small> <small>(Source)</small>
Feed3: <input type="text"/> <input type="text"/>	Eq. IGCC Cap., MWe: <input type="text" value="119.4"/>
	<small>(Calculated)</small>
Main Product: <input type="text" value="Chemicals"/>	Fuel Input: <input type="text" value="291.6"/> <input type="text" value="Estimate"/>
<small>(Category)</small>	<small>(MWt)</small> <small>(Source)</small>
Product1: <input type="text" value="Acetic anhydride"/> <input type="text" value="680 mt/d"/>	Syngas Output: <input type="text" value="218.7"/> <input type="text" value="Gasifier licensor data"/>
Product2: <input type="text" value="Methanol"/> <input type="text" value="550 mt/d"/>	<small>(MWt)</small> <small>(Source)</small>
Product3: <input type="text"/> <input type="text"/>	

Other Information

O2 Supply: <input type="text" value="Oxygen"/>	<input type="text" value="Air Products & Chemicals, Inc."/>	<input type="text" value="Across-the-fence"/>
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler: <input type="text" value="Direct water quench cooler"/>	<input type="text"/>	<input type="text"/>
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup: <input type="text" value="Linde AG"/>	<input type="text" value="Rectisol"/>	Sulfur Removal: <input type="text"/>
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small> <input type="text" value="Claus/SCOT"/>
Gas Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small> <small>(Supplier)</small>	<small>(Model)</small> <small>(MWout)</small>	
HRSG: <input type="text" value="1"/>	<input type="text"/>	<input type="text" value="200000 lb/hr"/>
<small>(No.)</small> <small>(Supplier)</small>	<small>(Model)</small> <small>(Production)</small>	Steam Turbine: <input type="text"/>
		<small>(No.)</small> <small>(Supplier)</small> <small>(Model)</small> <small>(MWout)</small>
Prin. Contractor: <input type="text" value="Bechtel"/>	Engineer: <input type="text" value="Bechtel"/>	Constructor: <input type="text" value="John Brown"/>

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: <input type="text" value="32"/>	No. of Gasifiers: Op'g/Sp/Total <input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status: <input type="text" value="Operating"/>	Start Date: <input type="text" value="1984"/>
Project Count: <input type="text" value="1"/>	Plt. Type: <input type="text" value="Commercial"/>	Project Reality: <input type="text" value="Active-Real"/>	Application: <input type="text" value="Syngas for Chemicals"/>
Plt. Owner: <input type="text" value="Motiva Enterprises LLC"/>	Plt. Owner Type: <input type="text" value="Oil Refining & Chemicals"/>		
Plt. Operator: <input type="text" value="Motiva Enterprises LLC"/>	Plant Name: <input type="text" value="Convent H2 Plant"/>		
Gas'n Tech.: <input type="text" value="GE Gasification Technology"/>	<input type="text" value="GE"/>	<input type="text" value="Entrained-flow gasification"/>	
<small>(Technology Name)</small>		<small>(Licensor)</small>	<small>(Technology Type)</small>
Vendor Contact: <input type="text" value="Tim Huskey"/>	<input type="text" value="timothy.huskey@ge.com"/>		
<small>(Contact)</small>		<small>(Email)</small>	
Project Contact: <input type="text"/>	<input type="text"/>		
<small>(Contact)</small>		<small>(Email)</small>	

Facility Information

Facility Owner: <input type="text" value="Motiva Enterprises LLC"/>	Facility Name: <input type="text" value="Star Enterprise Convent Refinery"/>
Location: (City/State/Prov) <input type="text" value="Convent, LA"/>	Facility Type: <input type="text" value="Refinery"/>
(Country) <input type="text" value="United States"/>	Facility Status: <input type="text" value="Operating"/>
(Region) <input type="text" value="North America"/>	

Feed/Product Information

Main Feed: <input type="text" value="Liquid"/>	<input type="text" value="Petroleum"/>	Rate (MAF): <input type="text" value="650.0"/>	<input type="text" value="Estimate"/>
<small>(Category) (Classification)</small>		<small>(mt/d)</small>	<small>(Source)</small>
Feed1: <input type="text" value="H-Oil bottoms"/>	<input type="text" value="650"/>	<input type="text" value="1,880,000"/>	<input type="text" value="Gasifier licensor"/>
		<small>(Nm3/d)</small>	<small>(Source)</small>
Feed2: <input type="text"/>	<input type="text"/>	<input type="text" value="140.3"/>	
		<small>(Calculated)</small>	
Feed3: <input type="text"/>	<input type="text"/>		
Main Product: <input type="text" value="Chemicals"/>	Fuel Input: <input type="text" value="313.4"/>		
<small>(Category)</small>	<small>(MWt) (Source)</small>		
Product1: <input type="text" value="H2"/>	<input type="text" value="63"/>	<input type="text" value="257.0"/>	<input type="text" value="Gasifier licensor data"/>
<small>(MMscf/d)</small>		<small>(MWt)</small>	<small>(Source)</small>
Product2: <input type="text"/>	<input type="text"/>		
Product3: <input type="text"/>	<input type="text"/>		

Other Information

O2 Supply: <input type="text" value="Oxygen"/>	<input type="text"/>	<input type="text"/>
<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler: <input type="text" value="Direct water quench cooler"/>	<input type="text"/>	<input type="text"/>
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup: <input type="text"/>	<input type="text"/>	Sulfur Removal: <input type="text"/>
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier) (Process)</small>
Gas Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model) (MWout)</small>
HRSG: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model) (Production)</small>
Steam Turbine: <input type="text"/>	<input type="text"/>	<input type="text"/>
<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model) (MWout)</small>
Prin. Contractor: <input type="text" value="Fluor Daniel"/>	Engineer: <input type="text"/>	Constructor: <input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID: 33	No. of Gasifiers: Op'g/Sp/Total 1/1/2	Gasifier Status: Operating	Start Date: Dec, 1995
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Power
Plt. Owner: SG Solutions	Plt. Owner Type: Developer		
Plt. Operator: SG Solutions	Plant Name: Wabash River Gasification		
Gas'n Tech.: E-GAS (ConocoPhillips) Gasification Process <small>(Technology Name)</small>	ConocoPhillips <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Phil R. Amick <small>(Contact)</small>	Phil.Amick@ConocoPhillips.com <small>(Email)</small>		
Project Contact: Richard Payonk <small>(Contact)</small>	richard.j.payonk@conocophillips.com <small>(Email)</small>		

Facility Information

Facility Owner: SG Solutions	Facility Name: Wabash River Generating Station Unit No. 1
Location: (City/State/Prov) West Terre Haute, IN	Facility Type: Electric Utility
(Country) United States	Facility Status: Operating
(Region) North America	

Feed/Product Information

Main Feed: Solid <small>(Category)</small>	Petcoke <small>(Classification)</small>	Rate (MAF): <input type="text"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1: Petcoke	2,000 mt/d	Syngas Cap.: 4,320,000 <small>(Nm3/d)</small>	Estimate <small>(Source)</small>
Feed2:		Eq. IGCC Cap., MWe: 322.5 <small>(Calculated)</small>	
Feed3:			
Main Product: Power <small>(Category)</small>		Fuel Input: 738.2 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product1: Electricity	262 MWe (net)	Syngas Output: 590.6 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product2:			
Product3:			

Other Information

O2 Supply: Oxygen <small>(Oxidant)</small>	Air Liquide <small>(ASU Supplier)</small>	On-site/No integration <small>(ASU Integration)</small>
Syngas Cooler: Fire-tube cooler <small>(Cooler Type)</small>	Deutsche Babcock-Bor <small>(Cooler Supplier)</small>	Soot Handling: Separate handling unit/R <small>(MWth Duty)</small>
Gas Cleanup: Dow Chemical Co. <small>(Supplier)</small>	MDEA <small>(Process)</small>	Sulfur Removal: <input type="text"/> <small>(Supplier)</small>
Gas Turbine: 1 <small>(No.)</small>	General Electric Co. <small>(Supplier)</small>	7FA <small>(Model)</small>
		192 <small>(MWout)</small>
HRSg: 1 <small>(No.)</small>	Foster Wheeler <small>(Supplier)</small>	342 mt/hr <small>(Production)</small>
		Steam Turbine: 1 <small>(No.)</small>
	Westinghouse <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>
		104 <small>(MWout)</small>
Prin. Contractor: Destec Engineering Inc.	Engineer: Dow Engineering Co.	Constructor: <input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: 35	No. of Gasifiers: Op'g/Sp/Total 1/1/2	Gasifier Status: Operating	Start Date: July 2000
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Gases
Plt. Owner: Coffeyville Resources Refining and Marketing, LLC	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Coffeyville Resources Refining and Marketing, LLC	Plant Name: Coffeyville Syngas Plant		
Gas'n Tech.: GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>		
Project Contact: Neal Barkley <small>(Contact)</small>	nebarkley@farmland.com <small>(Email)</small>		

Facility Information

Facility Owner: Coffeyville Resources Refining and Marketing, LLC	Facility Name: Coffeyville Nitrogen Plant
Location: (City/State/Prov) Coffeyville, KS	Facility Type: Petrochemical Plant
(Country) United States	Facility Status: Operating
(Region) North America	

Feed/Product Information

Main Feed: Solid <small>(Category)</small>	Petcoke <small>(Classification)</small>	Rate (MAF): 1,100.0 <small>(mt/d)</small>	Gasifier operator data <small>(Source)</small>
Feed1: Petcoke	1,100 mt/d	Syngas Cap.: 2,141,200 <small>(Nm3/d)</small>	Estimate <small>(Source)</small>
Feed2:		Eq. IGCC Cap., MWe: 159.8 <small>(Calculated)</small>	
Feed3:			
Main Product: Chemicals <small>(Category)</small>		Fuel Input: 390.3 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product1: Ammonia	1,000 mt/d	Syngas Output: 292.7 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product2: UAN	1,545 mt/d		
Product3:			

Other Information

O2 Supply: Oxygen <small>(Oxidant)</small>	BOC Gases <small>(ASU Supplier)</small>	Across-the-fence <small>(ASU Integration)</small>
Syngas Cooler: Direct water quench cooler <small>(Cooler Type)</small>	 <small>(Cooler Supplier)</small>	 <small>(MWth Duty)</small>
Gas Cleanup: UOP LLC <small>(Supplier)</small>	Selexol <small>(Process)</small>	Sulfur Removal: Tessenderlo Kerley <small>(Supplier)</small>
		Claus/Ammonium thiosul <small>(Process)</small>
Gas Turbine: 0 <small>(No.)</small>	N.A. <small>(Supplier)</small>	0 <small>(Model)</small>
		0 <small>(MWout)</small>
HRSG: 0 <small>(No.)</small>	N.A. <small>(Supplier)</small>	0 <small>(Model)</small>
		0 <small>(MWout)</small>
Prin. Contractor: Black & Veatch Pritchard	Engineer:	Constructor:

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID: <input type="text" value="37"/>	No. of Gasifiers: Op'g/Sp/Total <input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status: <input type="text" value="Operating"/>	Start Date: <input type="text" value="Oct. 1996"/>
Project Count: <input type="text" value="1"/>	Plt. Type: <input type="text" value="Commercial"/>	Project Reality: <input type="text" value="Active-Real"/>	Application: <input type="text" value="Syngas for Power"/>
Plt. Owner: <input type="text" value="Tampa Electric Co."/>	Plt. Owner Type: <input type="text" value="Utility"/>		
Plt. Operator: <input type="text" value="Tampa Electric Co."/>	Plant Name: <input type="text" value="Polk County IGCC Project"/>		
Gas'n Tech.: <input type="text" value="GE Gasification Technology"/>	<input type="text" value="GE"/>	<input type="text" value="Entrained-flow gasification"/>	
	<small>(Technology Name)</small>	<small>(Licensor)</small>	<small>(Technology Type)</small>
Vendor Contact: <input type="text" value="Tim Huskey"/>	<input type="text" value="timothy.huskey@ge.com"/>		
	<small>(Contact)</small>	<small>(Email)</small>	
Project Contact: <input type="text" value="Mark J. Hornick"/>	<input type="text" value="mjhornick@tecoenergy.com"/>		
	<small>(Contact)</small>	<small>(Email)</small>	

Facility Information

Facility Owner: <input type="text" value="Tampa Electric Co."/>	Facility Name: <input type="text" value="Polk Power Station, Unit No. 1"/>
Location: (City/State/Prov) <input type="text" value="Mulberry, FL"/>	Facility Type: <input type="text" value="Electric Utility"/>
(Country) <input type="text" value="United States"/>	Facility Status: <input type="text" value="Operating"/>
(Region) <input type="text" value="North America"/>	

Feed/Product Information

Main Feed: <input type="text" value="Solid"/> <input type="text" value="Coal"/>	Rate (MAF): <input type="text" value="1,541.0"/> <input type="text" value="Estimate"/>
<small>(Category)</small> <small>(Classification)</small>	<small>(mt/d)</small> <small>(Source)</small>
Feed1: <input type="text" value="Coal/Petcoke"/> <input type="text" value="2,200"/> <input type="text" value="mt/d"/>	Syngas Cap.: <input type="text" value="3,300,000"/> <input type="text" value="Gasifier licensor"/>
Feed2: <input type="text"/>	<small>(Nm3/d)</small> <small>(Source)</small>
Feed3: <input type="text"/>	Eq. IGCC Cap., MWe: <input type="text" value="246.4"/>
	<small>(Calculated)</small>
Main Product: <input type="text" value="Power"/>	Fuel Input: <input type="text" value="601.5"/> <input type="text" value="Estimate"/>
<small>(Category)</small>	<small>(MWt)</small> <small>(Source)</small>
Product1: <input type="text" value="Electricity"/> <input type="text" value="250"/> <input type="text" value="MWe (net)"/>	Syngas Output: <input type="text" value="451.1"/> <input type="text" value="Gasifier licensor data"/>
Product2: <input type="text"/>	<small>(MWt)</small> <small>(Source)</small>
Product3: <input type="text"/>	

Other Information

O2 Supply: <input type="text" value="Oxygen"/> <input type="text" value="Air Products & Chemicals, Inc."/>	<input type="text" value="Integrated"/>	
<small>(Oxidant)</small> <small>(ASU Supplier)</small>	<small>(ASU Integration)</small>	
Syngas Cooler: <input type="text" value="Radiant & convective syngas coolers"/>	<input type="text" value="MAN GHH AG"/>	Soot Handling: <input type="text" value="Separate handling unit"/>
<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small> <small>(MWth Duty)</small>	
Gas Cleanup: <input type="text"/>	<input type="text" value="MDEA"/>	Sulfur Removal: <input type="text" value="Monsanto"/>
<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small> <small>(Process)</small>
Gas Turbine: <input type="text" value="1"/> <input type="text" value="General Electric Co."/>	<input type="text" value="7FA"/> <input type="text" value="192"/>	
<small>(No.)</small> <small>(Supplier)</small>	<small>(Model)</small> <small>(MWout)</small>	
HRSG: <input type="text" value="1"/> <input type="text" value="General Electric Co."/>	<input type="text" value="Vogt/GE"/>	Steam Turbine: <input type="text" value="1"/> <input type="text" value="General Electric Co."/>
<small>(No.)</small> <small>(Supplier)</small>	<small>(Model)</small> <small>(Production)</small>	<small>(No.)</small> <small>(Supplier)</small> <small>(Model)</small> <small>(MWout)</small>
Prin. Contractor: <input type="text" value="Bechtel"/>	Engineer: <input type="text" value="Bechtel"/>	Constructor: <input type="text" value="Bechtel"/>

Gasification Database Gasification Plant Report

Date Modified:

15-Sep-04

Key Gasifier Information

Gasifier ID: 38	No. of Gasifiers: Op'g/Sp/Total 1/0/1	Gasifier Status: Operating	Start Date: Dec. 1995
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Gases
Plt. Owner: Dow (former Union Carbide Corp.)	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Dow (former Union Carbide Corp.)	Plant Name: Taft Syngas Plant		
Gas'n Tech.: GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: Union Carbide Corp.	Facility Name: Taft Chemical Plant
Location: (City/State/Prov) Taft, LA	Facility Type: Chemical Plant
(Country) United States	Facility Status: Operating
(Region) North America	

Feed/Product Information

Main Feed: Gaseous Gas <small>(Category) (Classification)</small>	Rate (MAF): <small>(mt/d) (Source)</small>
Feed1: Natural gas 6,305,000 MMscf/d	Syngas Cap.: 432,000 Estimate <small>(Nm3/d) (Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 32.2 <small>(Calculated)</small>
Feed3:	
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 69.5 Estimate <small>(MWt) (Source)</small>
Product1: Oxochemicals mt/d	Syngas Output: 59.1 Estimate <small>(MWt) (Source)</small>
Product2:	
Product3:	

Other Information

O2 Supply: Oxygen <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>		
Syngas Cooler: Radiant syngas cooler <small>(Cooler Type) (Cooler Supplier) (MWth Duty)</small>	Soot Handling:	
Gas Cleanup:	Sulfur Removal:	
<small>(Supplier) (Process)</small>	<small>(Supplier) (Process)</small>	
Gas Turbine:		
<small>(No.) (Supplier) (Model) (MWout)</small>		
HRSG:	Steam Turbine:	
<small>(No.) (Supplier) (Model) (Production)</small>	<small>(No.) (Supplier) (Model) (MWout)</small>	
Prin. Contractor: Bechtel/Fluor	Engineer:	Constructor:

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID: 60	No. of Gasifiers: Op'g/Sp/Total 3/1/4	Gasifier Status: Planning	Start Date: 2013
Project Count: 1	Plt. Type: Commercial	Project Reality: Planning	Application: Syngas for Power
Plt. Owner: Lima Energy Company	Plt. Owner Type: Independent Power Producer		
Plt. Operator: Lima Energy Company	Plant Name: Lima Energy IGCC Plant		
Gas'n Tech.: E-GAS (ConocoPhillips) Gasification Process <small>(Technology Name)</small>	ConocoPhillips <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Phil R. Amick <small>(Contact)</small>	Phil.Amick@ConocoPhillips.com <small>(Email)</small>		
Project Contact: Dr. Steven C. Vick <small>(Contact)</small>	scvick@globalenergyinc.com <small>(Email)</small>		

Facility Information

Facility Owner: Lima Energy Company	Facility Name: Lima Energy IGCC Plant
Location: (City/State/Prov) Lima, OH	Facility Type: Electric Utility
(Country) United States	Facility Status: Construction
(Region) North America	

Feed/Product Information

Main Feed: Solid <small>(Category)</small>	Petcoke <small>(Classification)</small>	Rate (MAF): 7,500.0 <small>(mt/d)</small>	<small>(Source)</small>
Feed1: Petcoke		Syngas Cap.: 18,700,000 <small>(Nm3/d)</small>	Estimate <small>(Source)</small>
Feed2:		Eq. IGCC Cap., MWe: 1,396.0 <small>(Calculated)</small>	
Feed3:			
Main Product: Power <small>(Category)</small>		Fuel Input:	<small>(MWt) (Source)</small>
Product1: Electricity	540 MW	Syngas Output: 2,560.0 <small>(MWt)</small>	Estimate <small>(Source)</small>
Product2: SNG	26 BCF/yr		
Product3: Hydrogen	2 BCF/yr		

Other Information

O2 Supply: Oxygen <small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler: Fire-tube cooler <small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup:	<small>(Supplier)</small>	<small>(Process)</small>
Sulfur Removal:	<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:	<small>(No.) (Supplier)</small>	<small>(Model) (MWout)</small>
HRSG:	<small>(No.) (Supplier)</small>	<small>(Model) (Production)</small>
Steam Turbine:	<small>(No.) (Supplier)</small>	<small>(Model) (MWout)</small>
Prin. Contractor:	Engineer:	Constructor:

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:	<input type="text" value="212"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1979"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Millenium (Quantum)"/>			Plt. Owner Type:	<input type="text" value="Industrial Gas Supply"/>		
Plt. Operator:	<input type="text" value="Millenium (Quantum)"/>			Plant Name:	<input type="text" value="LaPorte Syngas Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Millenium (Quantum)"/>	Facility Name:	<input type="text" value="Deer Park Chemical Plant"/>
Location:	<input type="text" value="Deer Park/LaPorte, TX"/> <small>(City/State/Prov)</small>	Facility Type:	<input type="text" value="Chemical Plant"/>
	<input type="text" value="United States"/> <small>(Country)</small>	Facility Status:	<input type="text" value="Operating"/>
	<input type="text" value="North America"/> <small>(Region)</small>		

Feed/Product Information

Main Feed:	<input type="text" value="Gaseous"/> <small>(Category)</small>	<input type="text" value="Gas"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Natural gas"/>	<input type="text" value="70"/> MMscf/d	Syngas Cap.:	<input type="text" value="4,800,000"/> <small>(Nm3/d)</small>	<input type="text" value="Gasifier licensor"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="358.3"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="772.0"/> Estimate <small>(MWt)</small>	<input type="text"/> <small>(Source)</small>
Product1:	<input type="text" value="Methanol"/>	<input type="text"/> <small>mt/d</small>	Syngas Output:	<input type="text" value="656.2"/> <small>(MWt)</small>	<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product2:	<input type="text" value="CO"/>	<input type="text"/> <small>mt/d</small>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text" value="Air Products & Chemicals, Inc."/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>				
Syngas Cooler:	<input type="text" value="Direct water quench/syngas cooler combination"/> <small>(Cooler Type)</small>		<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling:	<input type="text" value="Total recycle to gasifier"/>	
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>		
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>			
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>	Steam Turbine:	<input type="text"/> <small>(No.)</small>	
					<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text"/>		Constructor:	<input type="text" value="Du Pont"/>

Gasification Database Gasification Plant Report

Date Modified:

02-Mar-99

Key Gasifier Information

Gasifier ID: 283	No. of Gasifiers: Op'g/Sp/Total 3/0/3	Gasifier Status: Operating	Start Date: 1977
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Hoechst Celanese	Plt. Owner Type: Oil Refining & Chemicals		
Plt. Operator: Hoechst Celanese	Plant Name: Houston Oxochemicals Plant		
Gas'n Tech.: Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>		
Project Contact:			

Facility Information

Facility Owner: Hoechst Celanese	Facility Name: Houston Chemical Plant
Location: (City/State/Prov) Houston, TX	Facility Type: Chemical Plant
(Country) United States	Facility Status: Operating
(Region) North America	

Feed/Product Information

Main Feed: Gaseous Gas <small>(Category) (Classification)</small>	Rate (MAF): <small>(mt/d) (Source)</small>
Feed1: Natural gas 820,850 Nm3/d	Syngas Cap.: 2,100,000 Gasifier licensor <small>(Nm3/d) (Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 156.8 <small>(Calculated)</small>
Feed3:	
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 337.8 Gasifier licensor data <small>(MWt) (Source)</small>
Product1: Oxochemicals mt/d	Syngas Output: 287.1 Gasifier licensor data <small>(MWt) (Source)</small>
Product2:	
Product3:	

Other Information

O2 Supply: Oxygen <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>		
Syngas Cooler: Fire-tube boiler <small>(Cooler Type) (Cooler Supplier) (MWth Duty)</small>	Soot Handling:	
Gas Cleanup:	Sulfur Removal:	
<small>(Supplier) (Process)</small>	<small>(Supplier) (Process)</small>	
Gas Turbine:		
<small>(No.) (Supplier) (Model) (MWout)</small>		
HRSG:	Steam Turbine:	
<small>(No.) (Supplier) (Model) (Production)</small>	<small>(No.) (Supplier) (Model) (MWout)</small>	
Prin. Contractor:	Engineer:	Constructor:

Gasification Database Gasification Plant Report

Date Modified:

15-Sep-04

Key Gasifier Information

Gasifier ID: 297	No. of Gasifiers: Op'g/Sp/Total 2/0/2	Gasifier Status: Operating	Start Date: 1983
Project Count: 1	Plt. Type: Commercial	Project Reality: Active-Real	Application: Syngas for Chemicals
Plt. Owner: Dow (former Union Carbide)	Plt. Owner Type: Unspecified		
Plt. Operator: Dow (former Union Carbide)	Plant Name: Texas City Dow Syngas Plant		
Gas'n Tech.: GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>		
Project Contact: <input type="text"/> <small>(Contact)</small>	<input type="text"/> <small>(Email)</small>		

Facility Information

Facility Owner: Unspecified owner	Facility Name: Unspecified facility
Location: (City/State/Prov) Texas	Facility Type: Unknown
(Country) United States	Facility Status: Operating
(Region) North America	

Feed/Product Information

Main Feed: Gaseous Gas <small>(Category) (Classification)</small>	Rate (MAF): <input type="text"/> <input type="text"/> <small>(mt/d) (Source)</small>
Feed1: Natural gas 12 MMscf/d	Syngas Cap.: 830,000 Gasifier licensor <small>(Nm3/d) (Source)</small>
Feed2: <input type="text"/>	Eq. IGCC Cap., MWe: 62.0 <small>(Calculated)</small>
Feed3: <input type="text"/>	
Main Product: Chemicals <small>(Category)</small>	Fuel Input: 133.5 Estimate <small>(MWt) (Source)</small>
Product1: Oxochemicals <input type="text"/> mt/d	Syngas Output: 113.5 Gasifier licensor data <small>(MWt) (Source)</small>
Product2: <input type="text"/>	
Product3: <input type="text"/>	

Other Information

O2 Supply: Oxygen <input type="text"/> <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>	
Syngas Cooler: Radiant syngas cooler <input type="text"/> <small>(Cooler Type) (Cooler Supplier) (MWth Duty)</small>	Soot Handling: <input type="text"/>
Gas Cleanup: <input type="text"/> <input type="text"/> <small>(Supplier) (Process)</small>	Sulfur Removal: <input type="text"/> <input type="text"/> <small>(Supplier) (Process)</small>
Gas Turbine: <input type="text"/> <input type="text"/> <input type="text"/> <small>(No.) (Supplier) (Model) (MWout)</small>	
HRSG: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(No.) (Supplier) (Model) (Production)</small>	Steam Turbine: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>(No.) (Supplier) (Model) (MWout)</small>
Prin. Contractor: Davy McKee	Engineer: <input type="text"/> Constructor: <input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

30-Oct-07

Key Gasifier Information

Gasifier ID:	<input type="text" value="299"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="1"/> / <input type="text" value="0"/> / <input type="text" value="1"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="1998"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Texas Eastman"/>			Plt. Owner Type:	<input type="text" value="Unspecified"/>		
Plt. Operator:	<input type="text" value="Texas Eastman"/>			Plant Name:	<input type="text" value="Oxochemicals Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/> <small>(Technology Name)</small>		<input type="text" value="GE"/> <small>(Licensor)</small>	<input type="text" value="Entrained-flow gasification"/> <small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/> <small>(Contact)</small>		<input type="text" value="timothy.huskey@ge.com"/> <small>(Email)</small>				
Project Contact:	<input type="text"/> <small>(Contact)</small>			<input type="text"/> <small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Unspecified owner"/>	Facility Name:	<input type="text" value="Unspecified facility"/>
Location: (City/State/Prov)	<input type="text" value="Texas"/>	Facility Type:	<input type="text" value="Unknown"/>
(Country)	<input type="text" value="United States"/>	Facility Status:	<input type="text" value="Operating"/>
(Region)	<input type="text" value="North America"/>		

Feed/Product Information

Main Feed:	<input type="text" value="Gaseous"/> <small>(Category)</small>	<input type="text" value="Gas"/> <small>(Classification)</small>	Rate (MAF):	<input type="text"/> <small>(mt/d)</small>	<input type="text"/> <small>(Source)</small>
Feed1:	<input type="text" value="Natural gas"/>	<input type="text" value="5"/> <small>MMscf/d</small>	Syngas Cap.:	<input type="text" value="350,000"/> <small>(Nm3/d)</small>	<input type="text" value="Gasifier licensor"/> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="26.1"/> <small>(Calculated)</small>	
Feed3:	<input type="text"/>	<input type="text"/>			
Main Product:	<input type="text" value="Chemicals"/> <small>(Category)</small>		Fuel Input:	<input type="text" value="56.2"/> <small>(MWt)</small>	<input type="text" value="Estimate"/> <small>(Source)</small>
Product1:	<input type="text" value="Oxochemicals"/>	<input type="text"/> <small>mt/d</small>	Syngas Output:	<input type="text" value="47.8"/> <small>(MWt)</small>	<input type="text" value="Gasifier licensor data"/> <small>(Source)</small>
Product2:	<input type="text"/>	<input type="text"/>			
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text" value="Oxygen"/> <small>(Oxidant)</small>	<input type="text" value="Air Liquide"/> <small>(ASU Supplier)</small>	<input type="text"/> <small>(ASU Integration)</small>				
Syngas Cooler:	<input type="text" value="Direct water quench cooler"/> <small>(Cooler Type)</small>		<input type="text"/> <small>(Cooler Supplier)</small>	<input type="text"/> <small>(MWth Duty)</small>	Soot Handling:	<input type="text"/>	
Gas Cleanup:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>	Sulfur Removal:	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Process)</small>		
Gas Turbine:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>			
HRSG:	<input type="text"/> <small>(No.)</small>	<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(Production)</small>	Steam Turbine:	<input type="text"/> <small>(No.)</small>	
					<input type="text"/> <small>(Supplier)</small>	<input type="text"/> <small>(Model)</small>	<input type="text"/> <small>(MWout)</small>
Prin. Contractor:	<input type="text"/>		Engineer:	<input type="text" value="Kvaerner John Brown"/>		Constructor:	<input type="text" value="Kellogg Brown & Root"/>

Gasification Database Gasification Plant Report

Date Modified:

10-Aug-04

Key Gasifier Information

Gasifier ID:	<input type="text" value="344"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="2"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="Operating"/>	Start Date:	<input type="text" value="2Q2002"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Active-Real"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Air Liquide America Corp."/>			Plt. Owner Type:	<input type="text" value="Industrial Gas Supply"/>		
Plt. Operator:	<input type="text" value="Air Liquide America Corp."/>			Plant Name:	<input type="text" value="Longview Gasification Plant"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/>		<input type="text" value="GE"/>	<input type="text" value="Entrained-flow gasification"/>			
	<small>(Technology Name)</small>		<small>(Licensor)</small>	<small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/>		<input type="text" value="timothy.huskey@ge.com"/>				
	<small>(Contact)</small>		<small>(Email)</small>				
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Air Liquide America Corp."/>		Facility Name:	<input type="text" value="Longview Industrial Gas Plant"/>	
Location:	<input type="text" value="Longview, TX"/>		Facility Type:	<input type="text" value="Gas Plant"/>	
	<small>(City/State/Prov)</small>				
	<input type="text" value="United States"/>		Facility Status:	<input type="text" value="Operating"/>	
	<small>(Country)</small>				
	<input type="text" value="North America"/>				
	<small>(Region)</small>				

Feed/Product Information

Main Feed:	<input type="text" value="Gaseous"/>	<input type="text" value="Gas"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	<small>(Category)</small>	<small>(Classification)</small>		<small>(mt/d)</small>	<small>(Source)</small>
Feed1:	<input type="text" value="Natural gas"/>	<input type="text" value="23"/>	<input type="text" value="MMscf/d"/>	Syngas Cap.:	<input type="text" value="1,558,000"/>
					<input type="text" value="Gasifier licensor"/>
					<small>(Nm3/d)</small> <small>(Source)</small>
Feed2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="116.3"/>
					<small>(Calculated)</small>
Feed3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Main Product:	<input type="text" value="Chemicals"/>		Fuel Input:	<input type="text" value="250.6"/>	<input type="text" value="Gasifier licensor data"/>
	<small>(Category)</small>			<small>(MWt)</small>	<small>(Source)</small>
Product1:	<input type="text" value="Syngas"/>	<input type="text" value="48"/>	<input type="text" value="MMscf/d"/>	Syngas Output:	<input type="text" value="213.0"/>
					<input type="text" value="Gasifier licensor data"/>
Product2:	<input type="text" value="Steam"/>	<input type="text"/>	<input type="text" value="lb/hr"/>		<small>(MWt)</small> <small>(Source)</small>
Product3:	<input type="text"/>	<input type="text"/>	<input type="text"/>		

Other Information

O2 Supply:	<input type="text" value="Oxygen"/>	<input type="text" value="Air Liquide"/>	<input type="text"/>
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler:	<input type="text" value="Direct water quench cooler"/>		<input type="text"/>
	<small>(Cooler Type)</small>		<small>(Cooler Supplier)</small> <small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:
	<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small> <small>(Process)</small>
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small> <small>(MWout)</small>
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small> <small>(Production)</small>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small> <small>(MWout)</small>
Prin. Contractor:	<input type="text" value="Howe-Baker Engineers, Inc."/>		Engineer:
			<input type="text" value="Howe-Baker Engineers, Inc."/>
			Constructor:
			<input type="text" value="Howe-Baker Engineers, Inc."/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID: 358	No. of Gasifiers: Op'g/Sp/Total 2/1/3	Gasifier Status: FEED	Start Date: 2013
Project Count: 1	Plt. Type: Commercial	Project Reality: Planning	Application: Syngas for Power
Plt. Owner: Excelsior Energy	Plt. Owner Type: Technology Developer		
Plt. Operator: Excelsior Energy	Plant Name: Mesaba Energy Project		
Gas'n Tech.: E-GAS (ConocoPhillips) Gasification Process <small>(Technology Name)</small>	ConocoPhillips <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Phil R. Amick <small>(Contact)</small>	Phil.Amick@ConocoPhillips.com <small>(Email)</small>		
Project Contact: Richard Stone <small>(Contact)</small>	dickstone@excelsiorenergy.com <small>(Email)</small>		

Facility Information

Facility Owner: Excelsior Energy	Facility Name: Mesaba Energy Project
Location: (City/State/Prov) Minnesota	Facility Type:
(Country) United States	Facility Status: FEED
(Region) North America	

Feed/Product Information

Main Feed: Solid Coal <small>(Category) (Classification)</small>	Rate (MAF): 0.0 <small>(mt/d) (Source)</small>
Feed1: Coal 5,000 t/d	Syngas Cap.: 10,800,000 <small>(Nm3/d) (Source)</small>
Feed2: 0	Eq. IGCC Cap., MWe: 806.2 <small>(Calculated)</small>
Feed3: 0	
Main Product: Power <small>(Category)</small>	Fuel Input: 0.0 <small>(MWt) (Source)</small>
Product1: Electricity 530 MW	Syngas Output: 1,475.0 <small>(MWt) (Source)</small>
Product2: 0	
Product3: 0	

Other Information

O2 Supply: Oxygen <small>(Oxidant) (ASU Supplier) (ASU Integration)</small>	
Syngas Cooler: Fire-tube cooler <small>(Cooler Type) (Cooler Supplier) (MWth Duty)</small>	Soot Handling: Dry Barrier
Gas Cleanup:	Sulfur Removal:
<small>(Supplier) (Process)</small>	<small>(Supplier) (Process)</small>
Gas Turbine: 2 <small>(No.) (Supplier) (Model) (MWout)</small>	
HRSG: 2 <small>(No.) (Supplier) (Model) (Production)</small>	Steam Turbine: 1 <small>(No.) (Supplier) (Model) (MWout)</small>
Prin. Contractor:	Engineer:
	Constructor:

Gasification Database Gasification Plant Report

Date Modified:

01-Oct-10

Key Gasifier Information

Gasifier ID:	407	No. of Gasifiers: Op'g/Sp/Total	2/ 1 3	Gasifier Status:	Development	Start Date:	2016
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Hydrogen for Power
Plt. Owner:	Hydrogen Energy California, LLC			Plt. Owner Type:	Hydrogen Energy California (HECA)		
Plt. Operator:	Hydrogen Energy California, LLC			Plant Name:			
Gas'n Tech.:	GE Gasification Technology (Technology Name)		GE (Licensor)	Entrained-flow gasification (Technology Type)			
Vendor Contact:							
	(Contact)			(Email)			
Project Contact:							
	(Contact)			(Email)			

Facility Information

Facility Owner:	Hydrogen Energy California		Facility Name:		
Location: (City/State/Prov)	Kern County, CA		Facility Type:		
(Country)	United States		Facility Status:	Development	
(Region)	North America				

Feed/Product Information

Main Feed:	Solid (Category)	Coal (Classification)	Rate (MAF):			
			(mt/d)	(Source)		
Feed1:	Coal		Syngas Cap.:			
			(Nm3/d)	(Source)		
Feed2:	Petcoke		Eq. IGCC Cap., MWe:	257		
			(Calculated)			
Feed3:						
Main Product:	Power (Category)		Fuel Input:			
			(MWt)	(Source)		
Product1:	Electricity	257 MW	Syngas Output:			
			(MWt)	(Source)		
Product2:						
Product3:						

Other Information

O2 Supply:						
	(Oxidant)	(ASU Supplier)	(ASU Integration)			
Syngas Cooler:				Soot Handling:		
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)			
Gas Cleanup:			Sulfur Removal:			
	(Supplier)	(Process)	(Supplier)	(Process)		
Gas Turbine:						
	(No.)	(Supplier)	(Model)	(MWout)		
HRSG:				Steam Turbine:		
	(No.)	(Supplier)	(Model)	(Production)	(No.)	(Supplier)
				(Model)		(MWout)
Prin. Contractor:		Engineer:		Constructor:		

Gasification Database Gasification Plant Report

Date Modified:

1-Oct-10

Key Gasifier Information

Gasifier ID: 408 **No. of Gasifiers: Op'g/Sp/Total** 2/0/2 **Gasifier Status:** Construction **Start Date:** 2012
Project Count: 1 **Plt. Type:** Commercial **Project Reality:** Construction **Application:** Syngas for Power
Plt. Owner: Duke Energy **Plt. Owner Type:** _____
Plt. Operator: Duke Energy **Plant Name:** Edwardsport IGCC
Gas'n Tech.: GE Gasification Technology (Technology Name) GE (Licensor) Entrained-flow gasification (Technology Type)
Vendor Contact: Tim Huskey (Contact) timothy.huskey@ge.com (Email)
Project Contact: _____ (Contact) _____ (Email)

Facility Information

Facility Owner: Duke Energy **Facility Name:** _____
Location: (City/State/Prov) Edwardsport, IN **Facility Type:** _____
 (Country) United States **Facility Status:** Construction
 (Region) North America

Feed/Product Information

Main Feed: Solid (Category) Coal (Classification) **Rate (MAF):** _____ (mt/d) _____ (Source)
Feed1: Coal _____ **Syngas Cap.:** 8,450,000 (Nm3/d) _____ (Source)
Feed2: _____ _____ **Eq. IGCC Cap., MWe:** 630.8 (Calculated)
Feed3: _____ _____
Main Product: Power (Category) **Fuel Input:** 1,530.0 (MWt) _____ (Source)
Product1: Electricity 630 MW **Syngas Output:** 1,150.0 (MWt) _____ (Source)
Product2: _____ _____
Product3: _____ _____

Other Information

O2 Supply: _____ (Oxidant) _____ (ASU Supplier) _____ (ASU Integration)
Syngas Cooler: _____ (Cooler Type) _____ (Cooler Supplier) _____ (MWth Duty) **Soot Handling:** _____
Gas Cleanup: _____ (Supplier) _____ (Process) **Sulfur Removal:** _____ (Supplier) _____ (Process)
Gas Turbine: _____ (No.) _____ (Supplier) _____ (Model) _____ (MWout)
HRSG: _____ (No.) _____ (Supplier) _____ (Model) _____ (Production) **Steam Turbine:** _____ (No.) _____ (Supplier) _____ (Model) _____ (MWout)
Prin. Contractor: _____ **Engineer:** _____ **Constructor:** _____

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	410	No. of Gasifiers: Op'g/Sp/Total	2/0/2	Gasifier Status:	Development	Start Date:	2013
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Gases
Plt. Owner:	Secure Energy Systems			Plt. Owner Type:			
Plt. Operator:	Secure Energy Systems			Plant Name:	Secure Energy Systems SNG		
Gas'n Tech.:	Siemens SFG Gasification Process <small>(Technology Name)</small>			Siemens Power Generation <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>		
Vendor Contact:	Harry Morehead <small>(Contact)</small>			harry.morehead@siemens.com <small>(Email)</small>			
Project Contact:	Harry Morehead <small>(Contact)</small>			harry.morehead@siemens.com <small>(Email)</small>			

Facility Information

Facility Owner:	Secure Energy Systems	Facility Name:	
Location: (City/State/Prov)	Decatur, IL	Facility Type:	
(Country)	United States	Facility Status:	Development
(Region)	North America		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Coal <small>(Classification)</small>	Rate (MAF):			
				<small>(mt/d)</small>	<small>(Source)</small>	
Feed1:	Coal					
Feed2:						
Feed3:						
Main Product:	Gaseous fuels <small>(Category)</small>			Fuel Input:	1,000.0	
Product1:	SNG			<small>(MWt)</small>	<small>(Source)</small>	
Product2:						
Product3:						
			Syngas Cap.:			
				<small>(Nm3/d)</small>	<small>(Source)</small>	
			Eq. IGCC Cap., MWe:	0.0		
				<small>(Calculated)</small>		
			Syngas Output:			
				<small>(MWt)</small>	<small>(Source)</small>	

Other Information

O2 Supply:					
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>		
Syngas Cooler:				Soot Handling:	
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>		
Gas Cleanup:			Sulfur Removal:		
	<small>(Supplier)</small>	<small>(Process)</small>	<small>(Supplier)</small>	<small>(Process)</small>	
Gas Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(MWout)</small>
Prin. Contractor:				Engineer:	
				Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID: **No. of Gasifiers: Op'g/Sp/Total** // **Gasifier Status:** **Start Date:**

Project Count: **Plt. Type:** **Project Reality:** **Application:**

Plt. Owner: **Plt. Owner Type:**

Plt. Operator: **Plant Name:**

Gas'n Tech.:
(Technology Name) (Licensor) (Technology Type)

Vendor Contact:
(Contact) (Email)

Project Contact:
(Contact) (Email)

Facility Information

Facility Owner: **Facility Name:**

Location: (City/State/Prov) **Facility Type:**

(Country) **Facility Status:**

(Region)

Feed/Product Information

Main Feed: **Rate (MAF):**
(Category) (Classification) (mt/d) (Source)

Feed1: **Syngas Cap.:**
(Nm3/d) (Source)

Feed2: **Eq. IGCC Cap., MWe:**
(Calculated)

Feed3:

Main Product: **Fuel Input:**
(Category) (MWt) (Source)

Product1: **Syngas Output:**
(MWt) (Source)

Product2:

Product3:

Other Information

O2 Supply:
(Oxidant) (ASU Supplier) (ASU Integration)

Syngas Cooler: **Soot Handling:**
(Cooler Type) (Cooler Supplier) (MWth Duty)

Gas Cleanup: **Sulfur Removal:**
(Supplier) (Process) (Supplier) (Process)

Gas Turbine:
(No.) (Supplier) (Model) (MWout)

HRSG: **Steam Turbine:**
(No.) (Supplier) (Model) (Production) (No.) (Supplier) (Model) (MWout)

Prin. Contractor: **Engineer:** **Constructor:**

Gasification Database Gasification Plant Report

Date Modified:

30-Aug-07

Key Gasifier Information

Gasifier ID:	<input type="text" value="414"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="3"/> / <input type="text" value="1"/> / <input type="text" value="4"/>	Gasifier Status:	<input type="text" value="Development"/>	Start Date:	<input type="text" value="2010"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text" value="Planning"/>	Application:	<input type="text" value="Syngas for Chemicals"/>
Plt. Owner:	<input type="text" value="Eastman Chemical Co."/>			Plt. Owner Type:	<input type="text"/>		
Plt. Operator:	<input type="text" value="Eastman Chemical Co."/>			Plant Name:	<input type="text" value="Faustina Hydrogen Products LLC"/>		
Gas'n Tech.:	<input type="text" value="GE Gasification Technology"/>		<input type="text" value="GE"/>	<input type="text" value="Entrained-flow gasification"/>			
	<small>(Technology Name)</small>		<small>(Licensor)</small>	<small>(Technology Type)</small>			
Vendor Contact:	<input type="text" value="Tim Huskey"/>		<input type="text" value="timothy.huskey@ge.com"/>				
	<small>(Contact)</small>		<small>(Email)</small>				
Project Contact:	<input type="text"/>			<input type="text"/>			
	<small>(Contact)</small>			<small>(Email)</small>			

Facility Information

Facility Owner:	<input type="text" value="Eastman Chemical Co."/>		Facility Name:	<input type="text"/>	
Location:	<small>(City/State/Prov)</small>	<input type="text" value="St. James Parish, LA"/>	Facility Type:	<input type="text"/>	
	<small>(Country)</small>	<input type="text" value="United States"/>	Facility Status:	<input type="text" value="Development"/>	
	<small>(Region)</small>	<input type="text" value="North America"/>			

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/>	<input type="text" value="Coal"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	<small>(Category)</small>	<small>(Classification)</small>		<small>(mt/d)</small>	<small>(Source)</small>
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	Syngas Cap.:	<input type="text" value="8,450,000"/>	<input type="text"/>
Feed2:	<input type="text"/>	<input type="text"/>		<small>(Nm3/d)</small>	<small>(Source)</small>
Feed3:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="630.8"/>	<input type="text"/>
				<small>(Calculated)</small>	
Main Product:	<input type="text" value="Chemicals"/>		Fuel Input:	<input type="text" value="1,530.0"/>	<input type="text"/>
	<small>(Category)</small>			<small>(MWt)</small>	<small>(Source)</small>
Product1:	<input type="text" value="Ammonia"/>	<input type="text"/>	Syngas Output:	<input type="text" value="1,150.0"/>	<input type="text"/>
Product2:	<input type="text"/>	<input type="text"/>		<small>(MWt)</small>	<small>(Source)</small>
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:
	<small>(Supplier)</small>	<small>(Process)</small>	<input type="text"/>
			<small>(Supplier)</small>
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>
			<small>(MWout)</small>
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Production)</small>
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>
			<small>(MWout)</small>
Prin. Contractor:	<input type="text"/>	Engineer:	<input type="text"/>
		Constructor:	<input type="text"/>

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	421	No. of Gasifiers: Op'g/Sp/Total	2/ / 2	Gasifier Status:	Development	Start Date:	2015
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Power
Plt. Owner:	PA Energy			Plt. Owner Type:			
Plt. Operator:	PA Energy			Plant Name:	PA Energy IGCC Power Plant		
Gas'n Tech.:	Uhde PRENFLO Gasification Technology (Technology Name)		Uhde (Licensor)	Entrained-flow gasification (Technology Type)			
Vendor Contact:	William Richards (Contact)		bill.richards@thyssenkrupp.com (Email)				
Project Contact:							

Facility Information

Facility Owner:	PA Energy		Facility Name:		
Location:	(City/State/Prov)	Somerset, PA	Facility Type:		
	(Country)	United States	Facility Status:	Development	
	(Region)	North America			

Feed/Product Information

Main Feed:	Solid	Coal	Rate (MAF):		
	(Category)	(Classification)		(mt/d)	(Source)
Feed1:	Coal		Syngas Cap.:	13,560,000	
Feed2:				(Nm3/d)	(Source)
Feed3:			Eq. IGCC Cap., MWe:	1,012.3	
				(Calculated)	
Main Product:	Power		Fuel Input:		
	(Category)			(MWt)	(Source)
Product1:	Electricity	900 MW	Syngas Output:	1,851.0	
Product2:				(MWt)	(Source)
Product3:					

Other Information

O2 Supply:								
	(Oxidant)	(ASU Supplier)	(ASU Integration)					
Syngas Cooler:			Soot Handling:					
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)					
Gas Cleanup:			Sulfur Removal:					
	(Supplier)	(Process)	(Supplier)	(Process)				
Gas Turbine:								
	(No.)	(Supplier)	(Model)	(MWout)				
HRSG:			Steam Turbine:					
	(No.)	(Supplier)	(Model)	(Production)	(No.)	(Supplier)	(Model)	(MWout)
Prin. Contractor:		Engineer:		Constructor:				

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID: 426	No. of Gasifiers: Op'g/Sp/Total 2/ / 2	Gasifier Status: Development	Start Date: 2015
Project Count: 1	Plt. Type: Commercial	Project Reality: Planning	Application: Syngas for Power
Plt. Owner: Summit Power	Plt. Owner Type:		
Plt. Operator: Summit Power	Plant Name: Texas Clean Energy Project		
Gas'n Tech.: Siemens SFG Gasification Process <small>(Technology Name)</small>	Siemens Power Generation <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>	
Vendor Contact: Harry Morehead <small>(Contact)</small>	harry.morehead@siemens.com <small>(Email)</small>		
Project Contact: Karl Mattes <small>(Contact)</small>	kmattes@summitpower.com <small>(Email)</small>		

Facility Information

Facility Owner: Summit Power	Facility Name:
Location: (City/State/Prov) Penwell, TX	Facility Type:
(Country) United States	Facility Status: Development
(Region) North America	

Feed/Product Information

Main Feed: Solid Coal <small>(Category) (Classification)</small>	Rate (MAF): 4,000.0 <small>(mt/d) (Source)</small>
Feed1: Coal 4,000 mt/d	Syngas Cap.: 7,100,000 <small>(Nm3/d) (Source)</small>
Feed2:	Eq. IGCC Cap., MWe: 530.0 <small>(Calculated)</small>
Feed3:	
Main Product: Power <small>(Category)</small>	Fuel Input: 1,000.0 <small>(MWt) (Source)</small>
Product1: Electricity 400 MW	Syngas Output: 969.0 <small>(MWt) (Source)</small>
Product2:	
Product3:	

Other Information

O2 Supply: (Oxidant) (ASU Supplier) (ASU Integration)
Syngas Cooler: (Cooler Type) (Cooler Supplier) (MWth Duty) Soot Handling:
Gas Cleanup: (Supplier) (Process) Sulfur Removal: (Supplier) (Process)
Gas Turbine: (No.) (Supplier) (Model) (MWout)
HRSG: (No.) (Supplier) (Model) (Production) Steam Turbine: (No.) (Supplier) (Model) (MWout)
Prin. Contractor: Engineer: Constructor:

Gasification Database Gasification Plant Report

Date Modified:

14-Sep-10

Key Gasifier Information

Gasifier ID:	432	No. of Gasifiers: Op'g/Sp/Total	1/ / 1	Gasifier Status:	Construction	Start Date:	2012
Project Count:	1	Plt. Type:	Commercial	Project Reality:	Planning	Application:	Syngas for Chemicals
Plt. Owner:	Vinachem	Plt. Owner Type:					
Plt. Operator:	Vinachem	Plant Name:	Vinachem				
Gas'n Tech.:	Shell Gasification Process <small>(Technology Name)</small>	Shell <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>				
Vendor Contact:	Jim Volk <small>(Contact)</small>	jim.volk@shell.com <small>(Email)</small>					
Project Contact:							

Facility Information

Facility Owner:	Vinachem	Facility Name:	
Location: (City/State/Prov)		Facility Type:	
(Country)	Vietnam	Facility Status:	Construction
(Region)	Asia/Australia		

Feed/Product Information

Main Feed:	Solid <small>(Category)</small>	Coal <small>(Classification)</small>	Rate (MAF):			
				<small>(mt/d)</small>	<small>(Source)</small>	
Feed1:	Coal				800,000 <small>(Nm3/d)</small>	<small>(Source)</small>
Feed2:					59.7 <small>(Calculated)</small>	
Feed3:						
Main Product:	Chemicals <small>(Category)</small>		Fuel Input:			
				<small>(MWt)</small>	<small>(Source)</small>	
Product1:	Chemicals		Syngas Output:	109.0 <small>(MWt)</small>		<small>(Source)</small>
Product2:						
Product3:						

Other Information

O2 Supply:					
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>		
Syngas Cooler:				Soot Handling:	
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>		
Gas Cleanup:			Sulfur Removal:		
	<small>(Supplier)</small>	<small>(Process)</small>		<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:				Steam Turbine:	
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(No.)</small>
				<small>(Supplier)</small>	<small>(Model)</small>
Prin. Contractor:		Engineer:		Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

01-Oct-10

Key Gasifier Information

Gasifier ID:	900	No. of Gasifiers: Op'g/Sp/Total	0/0/2	Gasifier Status:	Planning	Start Date:	2014
Project Count:	1	Plt. Type:	Commercial	Project Reality:		Application:	Syngas for Chemicals
Plt. Owner:	Leucadia Energy LLC			Rlt. Owngt 'V{rg<"			
Plt. Operator:				Plant Name:	'Neng'Ej ct rgu'Eqi gpgt c v&ap		
Gas'n Tech.:	GE Gasification Technology <small>(Technology Name)</small>	GE <small>(Licensor)</small>	Entrained-flow gasification <small>(Technology Type)</small>				
Vendor Contact:	Tim Huskey <small>(Contact)</small>	timothy.huskey@ge.com <small>(Email)</small>					
Project Contacv''							

Facility Information

Facility Owner:		Facility Name:	
Location: (City/State/Prov)	Lake Charles, LA	Facility Type:	
(Country)	United States	Facility Status:	
(Region)	North America		

Feed/Product Information

Main Feed:"	'Solid	Peteqng	Rate (MAF):		
	<small>(Category)</small>	<small>(Classificatiop)</small>		<small>(mt/d)</small>	<small>(Source)</small>
Feed1:	Petcoke		Syngas Cap.:		
Feed2:	"			<small>(Nm3/d)</small>	<small>(Source)</small>
Feed3:			Eq. IGCC Cap., MWe:		<small>(Calculated)</small>
Main Product:	Chemicals		*****Fuel Input:		
	<small>(Category)</small>			<small>(MWt)</small>	<small>(Source)</small>
Product1:	Methanol		*****Syngas Output:		
Product2:	CO2			<small>(MWt)</small>	<small>(Source)</small>
Product3:					

Other Information

O2 Supply:					
	<small>(Oxidant)</small>	<small>(ASU Supplier)</small>	<small>(ASU Integration)</small>		
Syngas Cooler:				Soot Handling:	
	<small>(Cooler Type)</small>	<small>(Cooler Supplier)</small>	<small>(MWth Duty)</small>		
Gas Cleanup:			Sulfur Removal:		
	<small>(Supplier)</small>	<small>(Process)</small>		<small>(Supplier)</small>	<small>(Process)</small>
Gas Turbine:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(MWout)</small>	
HRSG:					
	<small>(No.)</small>	<small>(Supplier)</small>	<small>(Model)</small>	<small>(Production)</small>	<small>(MWout)</small>
Prin. Contractor:		Engineer:		Constructor:	

Gasification Database Gasification Plant Report

Date Modified:

01-Oct-10

Key Gasifier Information

Gasifier ID:	<input type="text" value="902"/>	No. of Gasifiers: Op'g/Sp/Total	<input type="text" value="0"/> / <input type="text" value="0"/> / <input type="text" value="2"/>	Gasifier Status:	<input type="text" value="Construction"/>	Start Date:	<input type="text" value="2011"/>
Project Count:	<input type="text" value="1"/>	Plt. Type:	<input type="text" value="Commercial"/>	Project Reality:	<input type="text"/>	Application:	<input type="text" value="Syngas for Power"/>
Plt. Owner:	<input type="text" value="Huaneng Group"/>			Rlt. Ownngt 'V{ r g<"	<input type="text"/>		
Plt. Operator:	<input type="text" value="Huaneng Group"/>			Plant Name:	<input type="text" value="I tggpI gp"/>		
Gas'n Tech.:	<input type="text" value="ECUST OMB Gasifier"/>		<input type="text" value="East China University of Science & Tech"/>		<input type="text"/>		
	(Technology Name)		(Licensor)		(Technology Type)		
Vendor Contact:	<input type="text" value="Zhou Zhi Jie"/>		<input type="text" value="zzj@ecust.edu.co"/>				
	(Contact)		(Email)				
Project Contacv''	<input type="text"/>			<input type="text"/>			
	(Contact)			(Email)			

Facility Information

Facility Owner:	<input type="text"/>			Facility Name:	<input type="text"/>		
Location: (City/State/Prov)	<input type="text"/>			Facility Type:	<input type="text"/>		
(Country)	<input type="text" value="China"/>			Facility Status:	<input type="text" value="Construction"/>		
(Region)	<input type="text" value="Asia/Australia"/>						

Feed/Product Information

Main Feed:	<input type="text" value="Solid"/>	<input type="text" value="Coal"/>	Rate (MAF):	<input type="text"/>	<input type="text"/>
	(Category)	(Classificatiop)		(mt/d)	(Source)
Feed1:	<input type="text" value="Coal"/>	<input type="text"/>	Syngas Cap.:	<input type="text"/>	<input type="text"/>
Feed2:	<input type="text"/>	<input type="text"/>		(Nm3/d)	(Source)
Feed3:	<input type="text"/>	<input type="text"/>	Eq. IGCC Cap., MWe:	<input type="text" value="250"/>	<input type="text"/>
				(Calculated)	
Main Product:	<input type="text" value="Power"/>		*****Fuel Input:	<input type="text"/>	<input type="text"/>
	(Category)			(MWt)	(Source)
Product1:	<input type="text" value="Electricity"/>	<input type="text"/>	*****Syngas Output:	<input type="text"/>	<input type="text"/>
Product2:	<input type="text"/>	<input type="text"/>		(MWt)	(Source)
Product3:	<input type="text"/>	<input type="text"/>			

Other Information

O2 Supply:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Oxidant)	(ASU Supplier)	(ASU Integration)
Syngas Cooler:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(Cooler Type)	(Cooler Supplier)	(MWth Duty)
Gas Cleanup:	<input type="text"/>	<input type="text"/>	Sulfur Removal:
	(Supplier)	(Process)	<input type="text"/>
Gas Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
HRSG:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (Production) (MWout)
Steam Turbine:	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(No.)	(Supplier)	(Model) (MWout)
Prin. Contractor:	<input type="text"/>		Engineer:
	<input type="text"/>		<input type="text"/>
Constructor:	<input type="text"/>		