

Study Visit

to
the DP-1 Development Plant
for Black Liquor Gasification in Piteå, Sweden

May 20, 2005

CHEMREC

The World Leader in Black Liquor Gasification

Please return your completed registration form!

Updated 2005-04-25



CHEMREC

Information

Study Visit to the DP-1 Development Plant for Black Liquor Gasification in Piteå, Sweden

Chemrec AB invites you to visit our new development plant for black liquor gasification in Piteå, in the north of Sweden. The plant will be fully operational in May 2005 after an official opening ceremony in February headed by the Swedish Minister of Energy.

The plant will demonstrate oxygen-blown high-temperature black liquor gasification at approximately 32 bar pressure, as well as novel concepts for gas cleaning. The purified synthesis gas from future planned Chemrec plants will be used as feedstock for production of second- generation automotive fuels (DME, methanol) through the BLGMF system or for electricity generation through the BLGCC system.

Day: Friday May 20, 2005

Time: Only a morning session will be organised from 10.00-13.30 (Observe the change from the initial planning which also contained an afternoon session)

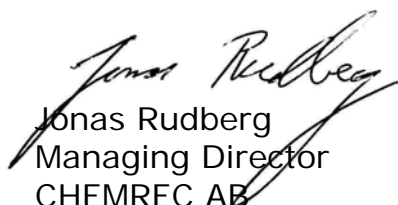
Location: Chemrec development plant in Piteå, Sweden. Located close to the ETC research institute and Kappa Kraftliner pulp and paper mill in Piteå.

Registration: If you are interested in attending the study visit, please fill in the registration form in the back of this folder. For further information contact Daniel Ingman:

Daniel Ingman
daniel.ingman@nykomb.se
Tel: +46 (0) 8 440 40 68
Fax: +46 (0) 8 440 40 55

Participation is free of charge, although travel and any accommodation will be paid by the participant.

Chemrec welcomes you to Piteå!


Jonas Rudberg
Managing Director
CHEMREC AB

Program

10.00 Coffee and Registration

10.15 Introduction

- Jonas Rudberg
Managing Director, Chemrec AB
- Gunnar Lundkvist
Technical Director, Kappa Kraftliner AB

10.35 Chemrec Black Liquor Gasification Technology

- Mats Lindblom
Site Manager, Chemrec Piteå

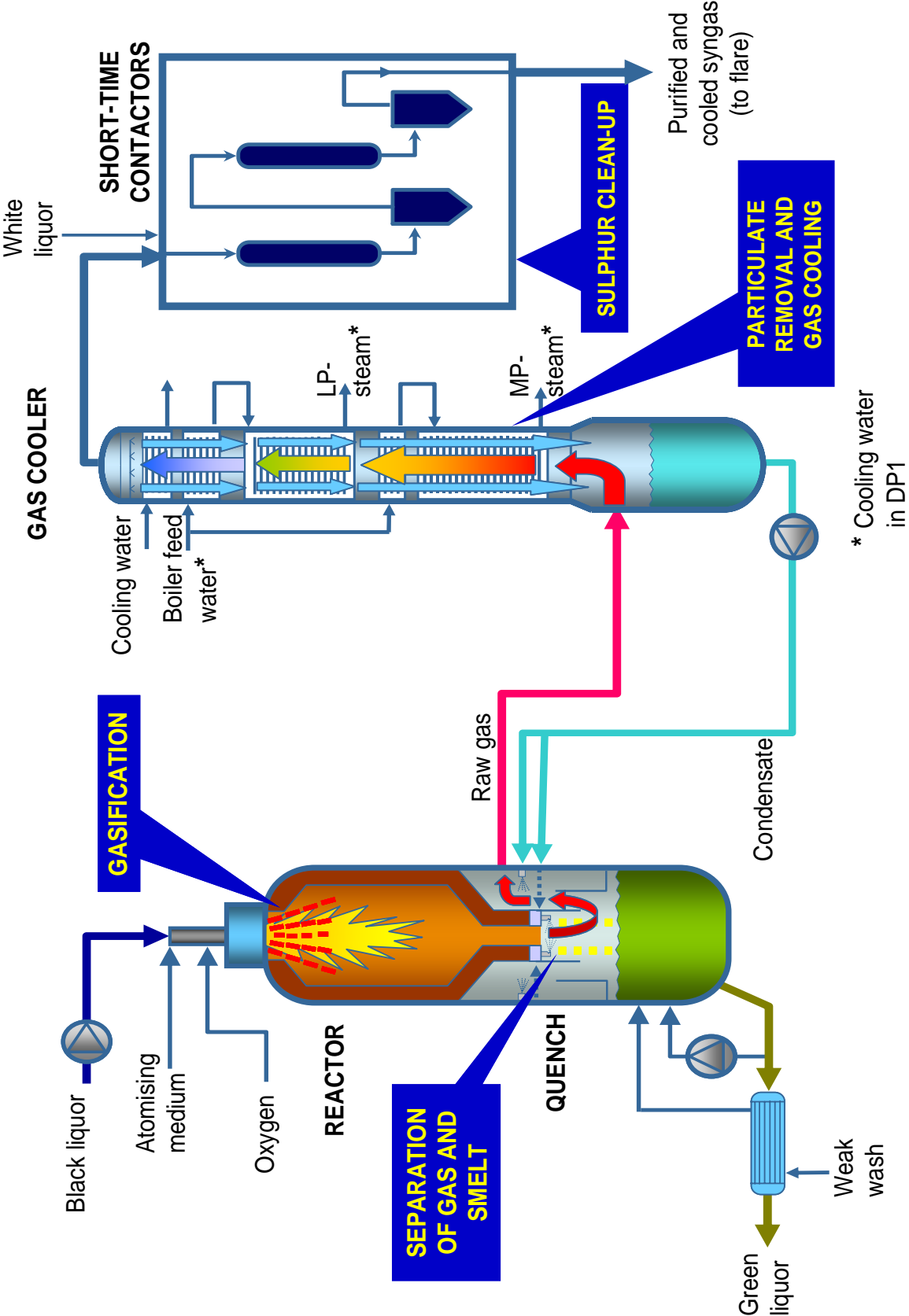
11.00 Guided Tour of the Chemrec DP-1 Plant

12.15 Bus Transport to Lunch

12.30 Lunch

13.30 End of Program

Chemrec Gasification Technology in Piteå



Travel Information

The quickest and easiest way to get to Piteå from Stockholm is to fly from Arlanda Airport to Luleå, Kallax Airport. Luleå is approximately 50 km from Piteå. From Luleå you can catch a taxi to Piteå.

STOCKHOLM TO LULEÅ: FLIGHT INFORMATION:

Flights leave daily from Arlanda Airport to Luleå Kallax Airport. The flight time is approximately one hour and 20 minutes. The main carriers are SAS and FlyNordic. For booking information, see the SAS website at www.scandinavian.net or the flynordic website at www.flynordic.com.

It is possible for participants to travel in the morning of May 20 or to fly on the evening of May 19. Accommodation is available both in Luleå and in Piteå (see following pages).

As the morning session will end after lunch, this should leave time for you to fly back to Stockholm in time for evening flights to other destinations.

At the end of the session, you can choose to stay longer in the regions of Piteå or Luleå, or to fly directly back to Stockholm.

LULEÅ TO PITEÅ: TAXI AND BUS INFORMATION:

From Luleå, the easiest way to get to Piteå is to catch a taxi. Pite taxi (www.pitetaxi.se, in Swedish only) can be reached on +46 911 80 000 and offers taxi services direct from Luleå Kallax Airport to Piteå. The journey takes approximately 45 minutes.

ACCOMMODATION INFORMATION:

Accommodation is available both in Luleå and in Piteå (see next page). In Luleå, accommodation options can be found by clicking the following link: [Luleå tourism](#), and in Piteå: [Piteå tourism](#).

Travel and Cost Information

Flight itineraries (examples):

Stockholm, Arlanda airport – Luleå, Kallax airport:

May 19 14.45 – 16.05 (FlyNordic)
18.30 – 19.50 (FlyNordic)

May 20 07.55 – 09.10 (SAS)

Luleå, Kallax airport – Stockholm, Arlanda airport:

May 20 16.35 – 17.55 (FlyNordic)
18.50 – 20.05 (SAS)

Approximate prices:

FlyNordic Stockholm – Luleå (two ways): SEK 1,350 (appr EUR 145)

SAS Stockholm – Luleå (two ways): SEK 1,675 (appr EUR 180)

Hotels in Piteå (examples):

Piteå Stadshotell, in central Piteå
SEK 1,165/night, single room

Skoogs City Hotell, in central Piteå
SEK 945/night, single room

Pite Havsbad, just outside Piteå:
SEK 990/night, single room

Contact:

Piteå Stadshotell	Skoogs City Hotell	Pite Havsbad
Olof Palmes gata 1	Uddmansgatan 5	PO Box 815
941 31 Piteå	941 28 Piteå	941 28 Piteå
Sweden	Sweden	Sweden
0911-23 40 00	0911-100 00	0911-327 00

Transfer from Kallax, Luleå, airport to Piteå:

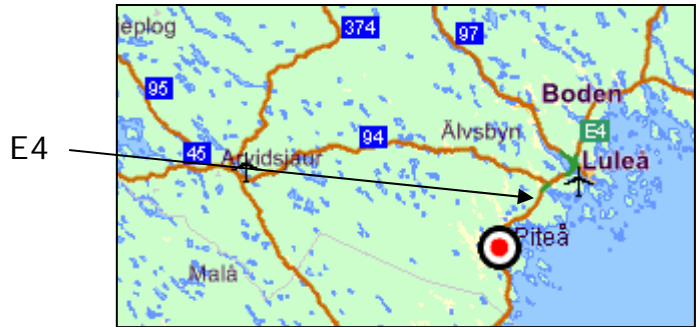
- SEK 175 per person one way from Kallax airport, Luleå, to either Stadshotell or Skoogs City Hotell
- SEK 345 per person one way from Kallax airport, Luleå, to Pite Havsbad.

Local transfer in Piteå not included

Directions and Maps

FROM LULEÅ KALLAX AIRPORT TO PITEÅ:

From Luleå Kallax Airport take the E4 south, heading towards Sundsvall. Follow the E4 till you come to Piteå.



FROM E4 TO THE GASIFICATION PLANT IN PITEÅ:

In Piteå, follow the signs to Munksund, the hospital and Piteå Central Station.

Follow Timmerleden past the Kappa Kraftliner pulp and paper mill till you come to the Norsk Hydro gas station. Then turn right into Chemrec and the ETC research institute.



The gasification plant

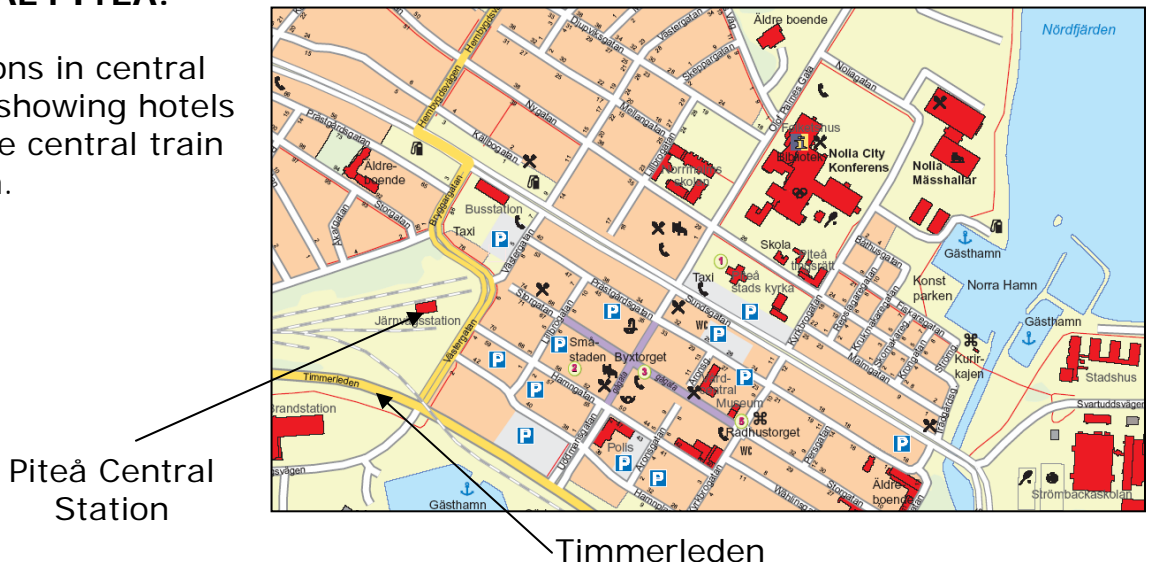
Timmerleden

Piteå Central Station

Central Piteå

CENTRAL PITEÅ:

Locations in central Piteå, showing hotels and the central train station.



Piteå Central Station

Timmerleden

Registration

We would like every participant to verify their participation by filling in this form, including those who have already notified their interest. Please note that there is only one session planned from 10.00 – 13.30 on 20 May.

Please return the completed form before May 10th.

Forms can be sent by e-mail, mail or fax to:

Chemrec AB	Tel	+46 8 440 40 60
Floragatan 10 B	Fax	+46 8 440 40 66
S-114 31 Stockholm, SWEDEN	Internet	www.chemrec.se
	e-mail	daniel.ingman@nykomb.se

Write clearly (max one participant per form)

Participant

Name:

Company/organisation:

Address:

Zip code: City:

Phone:

E-mail:

Date and city

Signature

Remember to send your registration before May 10th!