

Acme Coke
11236 S. Torrence Ave.
Chicago IL 60617



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Waste Ammonia Liquor Disposal Pilot Program
Dated: 1976

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*F.H.K.
advised
[Signature]*

WALTER E. CARBONE
EXECUTIVE VICE PRESIDENT

March 31, 1976

Mr. Frank Armour, President
Engineering and Technical Center
Interlake, Inc.
150 West 137th Street
Chicago, Illinois 60627

Dear Frank:

Thank you for the time that you and Bob Winters allotted to John Zwicky and me on March 18th to discuss the installation of a pilot test program at your Chicago Coke Plant for a system for purification of waste ammonia liquor by vacuum vaporization in accordance with Dick Jablin's invention.

We appreciate your ready cooperation in allowing us to use the facilities at the Chicago Coke Plant in conjunction with our skid-mounted pilot unit, and confirm that Wilputte will bear the installation costs and will man the operation in a similar fashion to the test program carried out with the RCI electrolytic cell during 1973.

During our discussion, you stated that the basis for this program would be about the same as for the 1973 work; that is, no cost to Interlake and royalty free installation of these facilities when you find it necessary to proceed with commercial installations at the Chicago and Interlake Plants. This generally is agreeable to Wilputte, however, when we piloted the RCI cell I believe that your laboratory performed all the analytical work at no charge to Wilputte. We trust that Interlake would perform the required analyses on the same basis, and look forward to confirmation on this point.

We are developing the design of the skid-mounted pilot unit and at the appropriate time will be in touch with Bob Winters to select a suitable site for this unit as well as to coordinate the work.

Please advise if all of the foregoing has your approval, and we thank you for your cooperation.

Sincerely,

Walt

WEC/jsm

Technical Center
150 West 137th Street
Riverdale, Illinois 60627
(312) 849-2500

interlake, inc.

FRANK K. ARMOUR
Vice President
Engineering and Research

R. Chaman

*Are you aware of what
will be involved? Pls.
discuss.*

J. 4/7/76

RECEIVED
APR 7 1976
J.T.S.

April 6, 1976

Mr. Walter Carbone
Executive Vice President
Wilputte Corporation
152 Floral Avenue
Murray Hill, New Jersey 07974

Dear Walter:

With reference to your letter of March 31, with respect to the pilot test program at our Chicago Coke Plant for a system for the purification of waste ammonia liquor.

We will work with you on the same basis as we did the last time. In other words, we will furnish a site for installation of the skid-mounted pilot unit, and Wilputte will bear the installation costs and will man the operation.

We will perform the laboratory analytical work at "no charge" to Wilputte. If this analytical work becomes burdensome, or unreasonable, we would expect Wilputte to pay for these services.

We look forward to working with you in the development of this technology, and hope that this program is extremely successful.

Yours truly,

F. K. Armour

F. K. Armour
Vice President
Engineering and Research

FKA: jb

cc: F. J. Burgert
J. W. Duncan
E. F. Stebbins
J. Seaman ✓

RPW SEP 17 '76

September 15, 1976

Interlake Engineering & Technical Center
150 W. 137th Street
Chicago, Illinois 60627

Attention: Mr. Robert Winters

Subject: Waste Ammonia Liquor
Disposal Pilot Plant
Wilputte Reference: 070

Gentlemen:

Confirming our recent phone conversation, Mr. Richard Jablin (inventor of the process), Arvind Bagal (Process Engineer) and I will visit you at about 10:30 on October 7, 1976 to discuss details of installing the test ammonia liquor concentration equipment at your plant.

As we previously discussed, the unit is approximately 6'-0" x 8'-0" by 13'-0" high and weighs approximately 2,500 pounds. It will require approximately 15 hp of electricity at 440/230 volts, 3 ph, 60 cycles and approximately 50 gpm of cooling water.

In addition, it will require approximately 25 GPM of hot (175°F) flushing liquor.

The fabrication of the unit is expected to be completed early in October, so we would like to work out as many details as possible during our October 7th visit.

Thank you for your cooperation on this project.

Very truly yours,

John Zwicky
John Zwicky
Assistant Manager
Engineering

JZ/ew

RESCHEDULED FOR
10:30 A.M. - OCTOBER 12, 1976

INTEROFFICE
CORRESPONDENCE

Copies to:

Date: September 20, 1976

To: ✓ Mr. J. T. Seaman
From: R. P. Winters
Subject: Waste Ammonia Liquor - Disposal
Pilot Plant
Reference:

Some time ago several representatives from Wilputte visited Frank Armour to discuss a new process that they have developed for disposal of waste ammonia liquor. As I understand it, a vacuum tower is utilized to fractionate the liquor, the fractions then being treated by incineration and bio-oxidation.

Wilputte is desirous of installing a pilot facility in our plant for field checking and evaluation. Mr. Armour agreed to this on the basis that such a test would be at no cost to Interlake and that Interlake would have certain rights for installation of full scale equipment if we so choose.

Attached is a letter from Wilputte setting a date of October 7, 1976 to discuss with your coke plant people the utilities required and to settle on a location for the unit. As you see, I have rescheduled the meeting for October 12, because of the collector main job.

Please advise as soon as possible if this date is inconvenient.

blc

*Plan to attend
with me.
Bob.*

INTEROFFICE
CORRESPONDENCE

Copies to:

Date: October 13, 1976

To: J. T. Seaman
From: R. C. Rankin
Subject: WASTE AMMONIA LIQUOR - DISPOSAL
PILOT PLANT
Reference:

A meeting was held in the Coke Plant Conference Room at 11:00 a.m., October 12, 1976, with the following in attendance:

R. C. Rankin - Interlake
Gary Durkin - Interlake
John Zivicky - Wilputte
Arvind Bogal - Wilputte
Richard Jablin - Richard Jablin & Associates
Norma Jablin - Richard Jablin & Associates

Richard Jablin, formerly of Alan Wood Steel Company, is the inventor of the process.

The pilot plant unit will come mounted on a skid. The total unit is about 8'0" x 8'0" x 11'0" high. The unit will be positioned west of the B. P. pump house and adjacent to the flushing liquor Kinney strainer. The flushing liquor will be the test material. The pilot unit will fractionate the liquor, but they will not incinerate the end streams. The end stream will be discharged into a sump and returned to the flushing liquor.

We agreed to supply the power for three small motors and we would do some analysis. Samples would be sent to the Tech Center. Zivicky would advise analysis required and we understand it is minimal.

Interlake production or maintenance personnel will not be involved. All work will be done by a contractor. The unit should be here within two weeks. Work is to be completed before cold weather.

R. C. Rankin

RCR:eb