STATUS

1. Customer TULL CHEMICAL COMPANY — Major FR User
2. Address P.O 3246 Oxford, Ala. 36201 (FR Location) — MICC Bus. Grp. / Other MC
3. Other Locations Using FR: Yes ☐ No ☒
4. Prior Experience: T-55 ☐ T-66 ☐ Other ☐
5. Other Locations Converted from FR: Yes ☐ No ☒
6. Any Conversion Attempts by Monsanto: Yes ☐ No ☐
7. Any Conversion Inducements: Yes ☐ No ☐
8. If Yes to 6 or 7, give details and status OLD MONSANTO EMPLOYEE FROM ANNISTON - FAMILIAR WITH HB4 & AROCLOR'S KNOWS BOOTH, PERLEN, HOSMER ETC.
9. Applications for FR (Details) MAKING COMPOUNDS ETC AND OTHERS ON CONTRACT BASIS. MUST RUN AT FULL CAPACITY FOR 4-MONTHS. EXPANDING SYSTEM BY 200 GALS NOT STARTED YET.
10.

FR System(s)	Volume (gal.)	Max. Op. Temp (°F)
1-	75 Gals	240-270 °C
1-	200 Gals.	

11. Any System Peculiarities or Precautions DIRECT FIRED HEATER IN PROCESS AREA, NO SPRINKLERS, PACKED CENTRIFUGAL PUMP. WORRIED ABOUT SAFETY & FLUID STABILITY.
12. Likely Replacement: T-55 ☐ T-66 ☐ Other ☐
13. Sales History

	1968	1969	1970	1971
Total Volume Orders/Year	FR2		1200	0

Date of last order: Volume of last order:

14. Key Personnel (address/title/phone)

MR. TULL ALLEN 205-831-1154
TULL CHEMICAL CO.
P.O. BOX 3246
OXFORD ALABAMA 36201

DSW 123863

STLCOPCB4032859

CONVERSION ACTION

1. Conversion Target Date

2. Monsanto Help Needed _____

_____

_____

_____

_____

3. Progress of Conversion

Date	Action	Initiated by
12-22-71	MR. ALLEN CALLED MR. BERGEN, STATED HE MUST HAVE AROCLOR 1242 (ARI) WOULD BE WILLING TO SIGN HOLD HARMLESS LETTER	REFERED TO C PATTON BY BERGEN
1/6/71	CALLED MR. ALLEN. STATED MONSANTO'S POLICY NOT TO SELL ANY MORE PCB FLUIDS WILL SEND CONVERSION DATA ON T-66 & T-55. MR. ALLEN PLANS TO WRITE LETTER TO H. BERGEN REQUESTING HELP	CALKINS
1/4/72	Conversion Addition cost	

DSW 123864

STLCOPCB4032860

CUSTOMER INQUIRY

DATE: 1/6/72 TIME: 9:30

COMPANY: TULL CHEMICAL CO ADDRESS: P.O. BOX 3246 OXFORD ALA. 36201
NAME : MR. TULL ALLEN
POSITION: OWNER PHONE NO. 205-831-1154

NEW FLUID ORDER INFORMATION

FLUID TYPE: SHIP TO:
CONTAINER :
QUANTITY : ATTENTION:
PRICE :
SHIPPING POINT: BILL TO:
DATE REQUIRED:
P.O. NO. : ATTENTION:

SYSTEM DESCRIPTION

FLUID APPLICATION: MAKING ORGANIC PRODUCTS ON CONTRACT BASIS.
LOCATION: ____ MIN. AMB. TEMP. ____ F
FLUID: PRESENT FRI REPLACEMENT T-66
SYSTEM VOLUME: 1-75 200 GAL.
BULK TEMP: MAX 520 F AVG 460 F
SKIN TEMP: MAX ____ F AVG ____ F ?
OPERATING TIME: ____ HRS/YR. INTERMITTENT
HEATER TYPE: DIR. FIR FLUID VEL. ____ FT/SEC
PUMP TYPE: CENT. PK. [illegible] ____ GPM
HEAD TK: — GAL DRAIN TK: ____ GAL OTHER:
SYSTEM LOCATION: INDOOR ✓ OUTDOOR ____
SAFETY ACC.: SPRINKLERS NONE INERT GAS ____
COLD SEAL ____ [illegible] ____
OTHER ____
PIPING: WELDED ____ FLANGED & TYPE ____
BOLTING ____ GASKETS ____
INSULATION TYPE & THICK. ____
WEATHER BARRIER TYPE ____
TRACER ____ TEMPERATURE ____ F
CLEAN OUT: 55 FLUSH ✓ CHEMICAL ✓
SOLVENT ____ OTHER ____
FLUID DISPOSAL: CONTAINER ____ QUANTITY ____
SHIPPING PLAN ____
SHIPPING DATE ____
INFORMATION REQ'D: FLUID T-55 FLUID T-66 FLUID ____ FLUID ____
PHYSICAL PROPERTY DATA X COMPARITIVE DATA: T-55 & ____ ; ____ & ____
PRICE & SHIPPING INFO. ____
CONVERSION: GENERAL X EXP. TK. ____ FURNACE ____ PIPING ____
INSULATION ____ EQUIPMENT ____ CLEAN OUT ____ TOXICITY ____
DISPOSAL ____ [illegible] ____
APPLICATIONS [illegible] ____ FOR HEAT TRANSFER DATA BOOK ____
QUESTION FOR ____ GROUP:

SYSTEM FLOW DIAGRAM

1- PRESENT 75 GAL SYST
1- NEW 200 GAL SYST (NOT CHARGED SO FAR) INTERLOCKED WITH PRESENT SYSTEM

MONSANTO VISIT REQ'D: YES ____ NO ____ CHECK LATER X DATE ____ TIME ____

DSW 123865

REMARKS:
RUNNING ON EXTREMELY TIGHT SCHEDULE AND CANNOT SHUT DOWN FOR CHANGEOVER. WANTS 3 MORE DRUMS OF FRI ~~[illegible]~~ TO TIDE HIM OVER NEXT FOUR MONTH PERIOD. WILL SIGN HOLD HARMLESS LETTER. WAS TOLD ON 1/6/72 HE WILL GET NO MORE ~~[illegible]~~ FR FLUID FROM MONSANTO. PLANS TO APPEAL DECISION BY FORMAL LETTER TO BERGEN (FMC)

STLCOPCB4032861

bcc 1070 H. R. Ford
B2SL T. L. Gossage/
B2SD ~~P. W. Gann~~
B2SC J. J. Roder/D. E. Roush

February 22, 1972

Tull Chemical Company, Inc.
Oxford
Alabama 36201

Attention: Mr. Tull C. Allen, President

Dear Mr. Allen:

Thank you for your letter of February 14, 1972. After consideration of your request to purchase five (5) drums of Aroclor 1248 for use as a heat transfer medium, we wish to advise you that it cannot be granted.

If you wish to avail yourself of the special services offered in our letter of December 15, 1971, please telephone (314) 694-2514, or write directly to

Dr. Cumming Paton
Monsanto Company
P. O. Box 14617
St. Louis, Missouri

Very truly yours,

H. S. Bergen, Jr.
Director
Specialty Products

cs

REC'D FEB 24 1972

DSW 123866

STLCOPCB4032862

TULL CHEMICAL COMPANY, INC.

OXFORD, ALABAMA
36201

Feburary 14, 1972

Monsanto Industrials Chemical Co.
Mr. Howard Bergen, Director
Speciality Products Group
800 N. Lindbergh Blvd.
St. Louis Missouri 63166

Dear Sir:

I would like to present to you my specific need for 1248 AROCLOR.

I have have carefully reviewed your Intern Bullentin SP-1 TC THERMINOL CONVERSION and I have concluded that I cannot convert to Therminol 66 or Therminol 55 without aprohibitive captol investment to comply with city fire codes.

I have a (home made totaly enclosed) Aroclor heating system that has been in use since 1955 capacity of system 1½ drums 1248 Aroclor

I have a new totaly enclosed system that I designed and built with a capacity of 2½ drums of 1248 Aroclor.

These two systems are designed to operate in tandem and give maximunflexibality in a plant expension already in place. There are no fire walls between the Aroclor heaters and the operating equipment. Fire walls are not required by city or insurance codes when using 1248 Aroclor.

"1080" and Ethylmonofluoroacetate are my plant products. Ethyl monofluoroacetate (99.5% assay)is used to manufacture an anti cancer drug (5-fluoro uricil) and sold under the name Fluorocil by Hoffmann-la Roche. "1080" is a rodenticide that I sell dirrect to the pest control operators.

There is no way PCB could contaminate man, foul, fish or beast from the products of my plant. 5-fluorouricil is an extreamly toxic drug always given by a doctor in very small doses. The toxcisity of "1080" is such that noPCB build up(evean if it were present)could occur before the host died.

I trust that I can purchas five (5) drums of Aroclor 1248 from Monsanto for my urgent need. I will comply with any requirment you might want to allow the purchas.

Sincerely yours,

Tull C. Allen

Tull C. Allen
President

DSW 123867

STLCOPCB4032863

bcc
CP/DER/JJR
P. W. Gann/File

January 19, 1972

Mr. Tull Allen
Tull Chemical Co.
P. O. Box 3246
Oxford, Alabama 36201

Dear Mr. Allen:

Enclosed is the conversion bulletin which provides guide lines for converting your Therminol FR heat transfer system. As we previously stated, the replacement fluid may not be classified as fire resistant; therefore, an evaluation of your system relative to fire hazards should be made.

We recommend that you plan your conversion as soon as possible. The Therminol FR fluids are no longer available and are not compatible with other heat transfer fluids.

Thank you for your continued cooperation on this matter. Please contact me if you have any additional questions on the conversion.

Sincerely,

Heat Transfer Specialist

cs
Enclosure

DSW 123868

STLCOPCB4032864

bcc: 1070 - H. R. Ford
CP/DER/JJR
P. W. Gann/File

January 6, 1972

Mr. Tull Allen
Tull Chemical Company
P. O. Box 3246
Oxford, Alabama 36201

Dear Mr. Tull:

Confirming our telephone conversation today, it is our decision not to sell any additional polychlorinated biphenyl, Therminol FR, heat transfer fluids. I sympathize with your current problem on conversion, but feel you should seriously consider such action at the present time. Per our discussion I am sending you literature on two Monsanto heat transfer fluids, Therminol 55 and Therminol 66. Either fluid is a possible replacement for Therminol FR fluids. Therminol 66 is more stable and has the higher maximum operating temperature (650°F). We will also send you a copy of our conversion bulletin when it is available.

We would like to remind you that, unlike Therminol FR products, Therminol 55 and 66 are not classified as fire resistant heat transfer fluids. Consequently, you may wish to consider the use of protective devices to minimize any added fire risks. We suggest you consult with the insurer of your property relative to this matter.

When converting your system to Therminol 55 or 66, you should thoroughly drain the Therminol FR into leak-free drums and then seal. Monsanto will pay freight costs incurred in returning the FR fluid and will properly dispose of it, free of charge, by high temperature incineration. Please advise one of our Heat Transfer Specialists (telephone 314-694-2514) at the time of return so he may assist in insuring proper disposal of the fluid.

DSW 123869

STLCOPCB4032865

We will accept return of any unopened drums of Therminol FR products in your possession and credit you for this material at full purchase price if returned prior to March 1, 1972 with drum seals intact. Please use the following procedure when returning unopened Therminol FR fluid for credit:

1. Contact a Monsanto Heat Transfer Specialist (telephone 314-694-2514) and give him the fluid type and number of drums to be returned for credit.

2. Using your company's drum label, indicate Therminol type and clearly mark the label "returned for credit".

3. Ship the drums collect to:
   Southern Bonded Warehouse
   3625 Oakcliff Road N.E.
   Atlanta, Georgia 30301

Again, I suggest you plan your conversion as soon as possible. The Therminol FR fluids are no longer available and are not compatible with other heat transfer fluids.

Thank you for your cooperation. Please feel free to contact me if you have any additional questions on the conversion.

Sincerely,

Frank M. Calkins
Heat Transfer Specialist

Enclosures
Therminol Applications Unlimited
Therminol 55 Heat Transfer Fluid
Therminol 66 Heat Transfer Fluid
Therminol Fluids Description
Stability Data

FMC:kl

DSW 123870

STLCOPCB4032866

MEMO TO Frank

Jim Roder would like you to call Tull Allen (on ex Monsanto)

He wants to sign hold harmless letter -

Monsanto decision:
We will not sell him any FR fluids.

Can we aid him in change over?

FROM Paul

G-321 1-6-72

DSW 123871

STLCOPCB4032867