Hendrickson ? NPDES

CARONDELET

IN TRANSITION.

FULLY COMMITTED

THE NEEDS & DEMANDS OF THE FUTURE

FOR

FOOD AND FOOD PHOSPHATES

DSW 135049

STLCOPCB4035008

1111

## PLANT STATISTICS

- PURCHASED BY MONSANTO IN 1935
- OCCUPY 15 ACRES
- LOCATED IN HEART OF RESIDENTIAL/LIGHT COMMERCIAL AREA
- EMPLOY:

80 SALARIED
220 HOURLY
300 TOTAL

- AVERAGE EXPERIENCE LEVEL - 15 YEARS
- AVERAGE AGE - 44 YEARS
- HOURLY REPRESENTED BY I.C.W.U.
- 14% MINORITY
- 12% FEMALE



STLCOPCB4035009

SLIDE #8 EHH

# MAJOR MARKET AREAS SERVED

- DETERGENTS
- DENTIFRICES
- LEAVENING AGENTS
- MISCELLANEOUS

DSW 135051

# MAJOR MARKET AREAS SERVED

- DETERGENTS
- DENTIFRICES
- LEAVENING AGENTS
- MISCELLANEOUS

50 DIFFERENT CONTAINERS

- BULK TRUCK
- BULK RAILROAD CAR
- BOXES
- DRUMS
- MANY DIFFERENT TYPES OF BAGS

250 CUSTOMERS WORLDWIDE

SLIDE #10
EHH

## DETERGENT PRODUCTS

302 204 2209

STP - SODIUM TRIPOLYPHOSPHATE

TKPP - TRI POTASSIUM PYRO PHYROPHOSPHATE

TSPA - TRISODIUM PHOSPHATE ANHYDROUS

DSW 135053

STLCOPCB4035012

E+H

SLIDE #11

# DETERGENT AREAS - USES & CUSTOMERS

## USES

- DETERGENT MATERIALS
  - POWDERS — TIDE, ALL
  - LIQUIDS — WISK
  - DISHWASHING COMPOUNDS — CASCADE
- HEAVY DUTY CLEANERS — LYSOL
- SYNTHETIC RUBBER MANUFACTURE
- MINERAL SUPPLEMENT — WHEATIES
- EMULSIFIER — VELVETA CHEESE
- MEAT APPLICATION — COUNTRY CLUB CANNED HAMS

## CUSTOMERS

- P & G
- LEVER
- AMWAY
- CALGON
- LEHN & FINK
- GENERAL TIRE
- GENERAL MILLS
- KRAFT
- MANY OTHERS

DSW 135054

STLCOPCB4035013

41

EHH
SLIDE #12

# DENTIFRICE PRODUCTS

DCP - DICALCIUM PHOSPHATE

SCPP - CALCIUM PYROPHOSPHATE

DSW 135055

STLCOPCB4035014

41

EHH

SLIDE #13

# DENTIFRICE PRODUCTS - USES & CUSTOMERS

## USES

- POLISHING AGENT IN TOOTHPASTES AND POWDERS (CREST, GLEEM)
- GLASS ADDITIVE (LENOX CHINA)
- MINERAL SUPPLEMENT (KEN-L RATION DOG FOOD)
- TABLETING (ONE-A-DAY VITAMINS)
- LEAVENER (DUNCAN HINES CAKE MIX)

## CUSTOMERS

- P & G
- COLGATE
- LENOX
- QUAKER OATS
- MILES LABORATORIES

DSW 135056

STLCOPCB4035015

EHH

SLIDE #14

## LEAVENER PRODUCTS

PYRAN -

SALP - SODIUM ALUMINUM PHOSPHATES

LEVN-LITE

- LEVEN-LITE

- STABIL-9

- PAN-O-LITE

MCP - MONOCALCIUM PHOSPHATE

DSW 135057

STLCOPCB4035016

EHH

SLIDE #15

# LEAVENER PRODUCTS

## USES

- CONTROLLED LEAVENING AGENTS
  - SLOW UNIFORM ACID RELEASE - PYRAN
  - HEAT TRIGGERED REACTION - ~~LEVEN-LITE~~ LEVN-LITE
  - CONTROLLED MOISTURE/HEAT TWO STAGE REACTION - STABIL-9
  - QUICK MCP RELEASE/HEAT TWO STAGE REACTION - PAN-O-LITE
- BAKING POWDER ~~CALUMET~~ (CALUMET)
- MINERAL SUPPLEMENT (GAINES BURGERS)
- GLASS MANUFACTURING (MILK GLASS)
- ACIDULANT (KOOL AID)

## CUSTOMERS

- PILLSBURY
- MARTHA WHITE MILLS
- INTERNATIONAL MULTIFOODS
- GENERAL MILLS
- GENERAL FOODS
- STANDARD BRANDS
- ANCHOR HOCKING
- HULMAN

DSW 135058

STLCOPCB4035017

EHH

SLIDE #16

## MISCELLANEOUS PRODUCTS

- TCP - TRICALCIUM PHOSPHATE
- MKP - MONOPOTASSIUM PHOSPHATE
- TKP - TRI POTASSIUM PHOSPHATE
- PHOSPHORIC ACID

DSW 135059

STLCOPCB4035018

EHH

SLIDE #17

# MISCELLANEOUS PRODUCTS

USES

- MINERAL SUPPLEMENT
- ANTIBIOTIC AND PENICILLIN MANUFACTURING
- INSECTICIDE AND PESTICIDE
- NON-CAKING AGENT AND FLOW CONDITIONER
- SYNTHETIC RUBBER MANUFACTURING
- SOFT DRINK INDUSTRY
- FERTILIZER

CUSTOMERS

- COCA COLA
- UPJOHN
- ELI ~~LILY~~ LILLY
- FOODS-FOR-PEACE PROGRAM
- ARCO POLYMER
- MORTON
- CARNATION
- GOODYEAR
- FIRESTONE
- MANY OTHERS

DSW 135060

E HH

SLIDE #18

## CARONDELET

- DETERGENT PHOSPHATE PLANT OF THE PAST
- PHOSPHATE PLANT IN TRANSITION TODAY
- FOOD PHOSPHATE PLANT TOMORROW

DSW 135061

STLCOPCB4035020

EHH
SLIDE #19

# KEY EMPHASIS AREAS

- IMPROVED SAFETY PERFORMANCE
- IMPROVED PLANT RELIABILITY
- AGGRESSIVE COST REDUCTION PROGRAM
- SIGNIFICANT IMPROVEMENT IN HOUSEKEEPING AND GMP STANDARDS
- ACHIEVE APPROPRIATE CAPACITY INCREASES
- MAINTAIN PROFITABILITY OF THE LOCATION
- IMPLEMENT MANAGEMENT STUDY RECOMMENDATIONS
- DEVELOP AND GROW PEOPLE TO ACHIEVE MAXIMUM CONTRIBUTION

DSW 135062

DSW 135063
STLCOPCB4035022

# DETERGENT PRODUCTS

STP — SODIUM TRIPOLYPHOSPHATE

TKPP — TRI POTASSIUM PYROPHOSPHATE

TSPA — TRISODIUM PHOSPHATE ANHYDROUS

49
DSW 135064
STLCOPCB4035023

# LEAVENER PRODUCTS

Py-Ran ← PYRAN —

SALP — SODIUM ALUMINUM PHOSPHATES

Levn-Lite — LEVEN-LITE

— STABIL-9

— PAN-O-LITE

MCP — MONOCALCIUM PHOSPHATE

50 2

DSW 135065

STLCOPCB4035024

# LEAVENER PRODUCTS

## USES

- CONTROLLED LEAVENING AGENTS
  - SLOW UNIFORM ACID RELEASE — ~~PYRAN~~ → Py-Ran
  - HEAT TRIGGERED REACTION — LEVEN-LITE
  - CONTROLLED MOISTURE/HEAT TWO STAGE REACTION — STABIL-9
  - QUICK MCP RELEASE/HEAT TWO STAGE REACTION — PAN-O-LITE
- BAKING POWDER (CALUMET)
- MINERAL SUPPLEMENT (GAINES BURGERS)
- GLASS MANUFACTURING (MILK GLASS)
- ACIDULANT (KOOL AID)

## CUSTOMERS

- PILLSBURY
- MARTHA WHITE MILLS
- INTERNATIONAL MULTIFOODS
- GENERAL MILLS
- GENERAL FOODS
- STANDARD BRANDS
- ANCHOR HOCKING
- HULMAN

52
DSW 135066
STLCOPCB4035025

# MISCELLANEOUS PRODUCTS

## USES

- MINERAL SUPPLEMENT
- ANTIBIOTIC AND PENICILLIN MANUFACTURING
- INSECTICIDE AND PESTICIDE
- NON-CAKING AGENT AND FLOW CONDITIONER
- SYNTHETIC RUBBER MANUFACTURING
- SOFT DRINK INDUSTRY
- FERTILIZER

## CUSTOMERS

- COCA COLA
- UPJOHN
- ELI ~~LILY~~ LILLY
- FOOD(S)-FOR-PEACE PROGRAM
- ARCO POLYMER
- MORTON
- CARNATION
- GOODYEAR
- FIRESTONE
- MANY OTHERS

DSW 135067

STLCOPCB4035026

# PLANT STATISTICS

— PURCHASED BY MONSANTO IN 1935

— OCCUPY 15 ACRES

— LOCATED IN HEART OF RESIDENTIAL/LIGHT COMMERCIAL AREA

— EMPLOY:

80 SALARIED
220 HOURLY
300 TOTAL

— AVERAGE EXPERIENCE LEVEL — 15 YEARS

— AVERAGE AGE — 44 YEARS

— HOURLY REPRESENTED BY I.C.W.U.

— 14% MINORITY

— 12% FEMALE

# MAJOR MARKET AREAS SERVED

- DETERGENTS
- DENTIFRICES
- LEAVENING AGENTS
- MISCELLANEOUS

DSW 135068

DSW 135069

STLCOPCB4035028

# MAJOR MARKET AREAS SERVED

- DETERGENTS
- DENTIFRICES
- LEAVENING AGENTS
- MISCELLANEOUS

50 DIFFERENT CONTAINERS

- BULK TRUCK
- BULK RAILROAD CAR
- BOXES
- DRUMS
- MANY DIFFERENT TYPES OF BAGS

250 CUSTOMERS WORLDWIDE

DSW 135070

STLCOPCB4035029

# DETERGENT PRODUCTS

STP — SODIUM TRIPOLYPHOSPHATE

TKPP — TRI POTASSIUM PYROPHOSPHATE

TSPA — TRISODIUM PHOSPHATE ANHYDROUS

DSW 135071

STLCOPCB4035030

# DETERGENT AREAS — USES & CUSTOMERS

## USES

| | |
|---|---|
| — DETERGENT MATERIALS | |
| — POWDERS | TIDE, ALL |
| — LIQUIDS | WISK |
| — DISHWASHING COMPOUNDS | CASCADE |
| — HEAVY DUTY CLEANERS | LYSOL |
| — SYNTHETIC RUBBER MANUFACTURE | |
| — MINERAL SUPPLEMENT | WHEATIES |
| — EMULSIFIER | VELVEETA CHEESE |
| — MEAT APPLICATION | COUNTRY CLUB CANNED HAMS |

## CUSTOMERS

- — P & G
- — LEVER
- — AMWAY
- — CALGON
- — LEHN & FINK
- — GENERAL TIRE
- — GENERAL MILLS
- — KRAFT
- — MANY OTHERS

# DENTIFRICE PRODUCTS

DCP — DICALCIUM PHOSPHATE

SCPP — CALCIUM PYROPHOSPHATE

DSW 135072

STLCOPCB4035031

DSW 135073

STLCOPCB4035032

# DENTIFRICE PRODUCTS — USES & CUSTOMERS

## USES

- POLISHING AGENT IN TOOTHPASTES AND POWDERS (CREST, GLEEM)
- GLASS ADDITIVE (LENOX CHINA)
- MINERAL SUPPLEMENT (KEN-L RATION DOG FOOD)
- TABLETING (ONE-A-DAY VITAMINS)
- LEAVENER (DUNCAN HINES CAKE MIX)

## CUSTOMERS

- P & G
- COLGATE
- LENOX
- QUAKER OATS
- MILES LABORATORIES

DSW 135074

STLCOPCB4035033

# LEAVENER PRODUCTS

PY-RAN —

SALP — SODIUM ALUMINUM PHOSPHATES
— LEVN-LITE
— STABIL-9
— PAN-O-LITE

MCP — MONOCALCIUM PHOSPHATE

DSW 135075

STLCOPCB4035034

# LEAVENER PRODUCTS

## USES

- CONTROLLED LEAVENING AGENTS
  - SLOW UNIFORM ACID RELEASE — PY-RAN
  - HEAT TRIGGERED REACTION — LEVN-LITE
  - CONTROLLED MOISTURE/HEAT TWO STAGE REACTION — STABIL-9
  - QUICK MCP RELEASE/HEAT TWO STAGE REACTION — PAN-O-LITE
- BAKING POWDER (CALUMET)
- MINERAL SUPPLEMENT (GAINES BURGERS)
- GLASS MANUFACTURING (MILK GLASS)
- ACIDULANT (KOOL AID)

## CUSTOMERS

- PILLSBURY
- MARTHA WHITE MILLS
- INTERNATIONAL MULTIFOODS
- GENERAL MILLS
- GENERAL FOODS
- STANDARD BRANDS
- ANCHOR HOCKING
- HULMAN

DSM 135076

STLCOPCB4035035

# MISCELLANEOUS PRODUCTS

— TCP — TRICALCIUM PHOSPHATE

— MKP — MONOPOTASSIUM PHOSPHATE

— TKP — TRI POTASSIUM PHOSPHATE

— PHOSPHORIC ACID

DSW 135077

STLCOPCB4035036

# MISCELLANEOUS PRODUCTS

## USES

- MINERAL SUPPLEMENT
- ANTIBIOTIC AND PENICILLIN MANUFACTURING
- INSECTICIDE AND PESTICIDE
- NON-CAKING AGENT AND FLOW CONDITIONER
- SYNTHETIC RUBBER MANUFACTURING
- SOFT DRINK INDUSTRY
- FERTILIZER

## CUSTOMERS

- COCA COLA
- UPJOHN
- ELI LILLY
- FOOD-FOR-PEACE PROGRAM
- ARCO POLYMER
- MORTON
- CARNATION
- GOODYEAR
- FIRESTONE
- MANY OTHERS

DSW 135078

STLCOPCB4035037

# CARONDELET

— DETERGENT PHOSPHATE PLANT OF THE PAST

— PHOSPHATE PLANT IN TRANSITION TODAY

— FOOD PHOSPHATE PLANT TOMORROW

DSW 135079

STLCOPCB4035038

# KEY EMPHASIS AREAS

— IMPROVED SAFETY PERFORMANCE

— IMPROVED PLANT RELIABILITY

— AGGRESSIVE COST REDUCTION PROGRAM

— SIGNIFICANT IMPROVEMENT IN HOUSEKEEPING AND GMP STANDARDS

— ACHIEVE APPROPRIATE CAPACITY INCREASES

— MAINTAIN PROFITABILITY OF THE LOCATION

— IMPLEMENT MANAGEMENT STUDY RECOMMENDATIONS

— DEVELOP AND GROW PEOPLE TO ACHIEVE MAXIMUM CONTRIBUTION

# MAJOR MARKET AREAS SERVED

- DETERGENTS
- DENTIFRICES
- LEAVENING AGENTS
- MISCELLANEOUS

DSW 135080

STLCOPCB4035039

DSW 135081

STLCOPCB4035040

## PLANT STATISTICS

— PURCHASED BY MONSANTO IN 1935

— OCCUPY 15 ACRES

— LOCATED IN HEART OF RESIDENTIAL/LIGHT COMMERCIAL AREA

— EMPLOY:

80 SALARIED
220 HOURLY
300 TOTAL

— AVERAGE EXPERIENCE LEVEL — 15 YEARS

— AVERAGE AGE — 44 YEARS

— HOURLY REPRESENTED BY I.C.W.U.

— 14% MINORITY

— 12% FEMALE

DSW 135082

STLCOPCB4035041

# MAJOR MARKET AREAS SERVED

- DETERGENTS
- DENTIFRICES
- LEAVENING AGENTS
- MISCELLANEOUS

50 DIFFERENT CONTAINERS

- BULK TRUCK
- BULK RAILROAD CAR
- BOXES
- DRUMS
- MANY DIFFERENT TYPES OF BAGS

250 CUSTOMERS WORLDWIDE

# DETERGENT PRODUCTS

STP — SODIUM TRIPOLYPHOSPHATE

TKPP — TRI POTASSIUM PYROPHOSPHATE

TSPA — TRISODIUM PHOSPHATE ANHYDROUS

DSW 135083

STLCOPCB4035043

DSW 135084

# DETERGENT AREAS — USES & CUSTOMERS

## USES

| | |
|---|---|
| — DETERGENT MATERIALS | |
| — POWDERS | TIDE, ALL |
| — LIQUIDS | WISK |
| — DISHWASHING COMPOUNDS | CASCADE |
| — HEAVY DUTY CLEANERS | LYSOL |
| — SYNTHETIC RUBBER MANUFACTURE | |
| — MINERAL SUPPLEMENT | WHEATIES |
| — EMULSIFIER | VELVEETA CHEESE |
| — MEAT APPLICATION | COUNTRY CLUB CANNED HAMS |

## CUSTOMERS

- — P & G
- — LEVER
- — AMWAY
- — CALGON
- — LEHN & FINK
- — GENERAL TIRE
- — GENERAL MILLS
- — KRAFT
- — MANY OTHERS

# DENTIFRICE PRODUCTS

DCP — DICALCIUM PHOSPHATE

SCPP — CALCIUM PYROPHOSPHATE

DSW 135085

STLCOPCB4035044

DSW 135086

STLCOPCB4035045

# DENTIFRICE PRODUCTS — USES & CUSTOMERS

## USES

- POLISHING AGENT IN TOOTHPASTES AND POWDERS (CREST, GLEEM)
- GLASS ADDITIVE (LENOX CHINA)
- MINERAL SUPPLEMENT (KEN-L RATION DOG FOOD)
- TABLETING (ONE-A-DAY VITAMINS)
- LEAVENER (DUNCAN HINES CAKE MIX)

## CUSTOMERS

- P & G
- COLGATE
- LENOX
- QUAKER OATS
- MILES LABORATORIES

# LEAVENER PRODUCTS

PY-RAN —

SALP — SODIUM ALUMINUM PHOSPHATES
— LEVN-LITE
— STABIL-9
— PAN-O-LITE

MCP — MONOCALCIUM PHOSPHATE

DSW 135087

STLCOPCB4035046

DSW 135088

STLCOPCB4035047

# LEAVENER PRODUCTS

## USES

- CONTROLLED LEAVENING AGENTS
  - SLOW UNIFORM ACID RELEASE — PY-RAN
  - HEAT TRIGGERED REACTION — LEVN-LITE
  - CONTROLLED MOISTURE/HEAT TWO STAGE REACTION — STABIL-9
  - QUICK MCP RELEASE/HEAT TWO STAGE REACTION — PAN-O-LITE
- BAKING POWDER (CALUMET)
- MINERAL SUPPLEMENT (GAINES BURGERS)
- GLASS MANUFACTURING (MILK GLASS)
- ACIDULANT (KOOL AID)

## CUSTOMERS

- PILLSBURY
- MARTHA WHITE MILLS
- INTERNATIONAL MULTIFOODS
- GENERAL MILLS
- GENERAL FOODS
- STANDARD BRANDS
- ANCHOR HOCKING
- HULMAN

DSW 135089

STLCOPCB4035048

# MISCELLANEOUS PRODUCTS

— TCP — TRICALCIUM PHOSPHATE

— MKP — MONOPOTASSIUM PHOSPHATE

— TKP — TRI POTASSIUM PHOSPHATE

— PHOSPHORIC ACID

DSM 135090

STLCOPCB4035049

# MISCELLANEOUS PRODUCTS

## USES

- MINERAL SUPPLEMENT
- ANTIBIOTIC AND PENICILLIN MANUFACTURING
- INSECTICIDE AND PESTICIDE
- NON-CAKING AGENT AND FLOW CONDITIONER
- SYNTHETIC RUBBER MANUFACTURING
- SOFT DRINK INDUSTRY
- FERTILIZER

## CUSTOMERS

- COCA COLA
- UPJOHN
- ELI LILLY
- FOOD-FOR-PEACE PROGRAM
- ARCO POLYMER
- MORTON
- CARNATION
- GOODYEAR
- FIRESTONE
- MANY OTHERS

DSM 135091

STLCOPCB4035050

# KEY EMPHASIS AREAS

— IMPROVED SAFETY PERFORMANCE

— IMPROVED PLANT RELIABILITY

— AGGRESSIVE COST REDUCTION PROGRAM

— SIGNIFICANT IMPROVEMENT IN HOUSEKEEPING AND GMP STANDARDS

— ACHIEVE APPROPRIATE CAPACITY INCREASES

— MAINTAIN PROFITABILITY OF THE LOCATION

— IMPLEMENT MANAGEMENT STUDY RECOMMENDATIONS

— DEVELOP AND GROW PEOPLE TO ACHIEVE MAXIMUM CONTRIBUTION

DSW 135092

STLCOPCB4035051

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— DETERGENT PHOSPHATE PLANT OF THE PAST

— PHOSPHATE PLANT IN TRANSITION TODAY

— FOOD PHOSPHATE PLANT TOMORROW

DSW 135093

STLCOPCB4035052

# KEY EMPHASIS AREAS

— IMPROVED SAFETY PERFORMANCE

— IMPROVED PLANT RELIABILITY

— AGGRESSIVE COST REDUCTION PROGRAM

— SIGNIFICANT IMPROVEMENT IN HOUSEKEEPING AND GMP STANDARDS

— ACHIEVE APPROPRIATE CAPACITY INCREASES

— MAINTAIN PROFITABILITY OF THE LOCATION

— IMPLEMENT MANAGEMENT STUDY RECOMMENDATIONS

— DEVELOP AND GROW PEOPLE TO ACHIEVE MAXIMUM CONTRIBUTION

# CARONDELET

— DETERGENT PHOSPHATE PLANT OF THE PAST

— PHOSPHATE PLANT IN TRANSITION TODAY

— FOOD PHOSPHATE PLANT TOMORROW

DSW 135094

STLCOPCB4035053