



CITY OF ANN ARBOR PUMP MAINTENANCE AND REPAIR SERVICES

RFP #21-15

Kennedy Industries

Mike Horn, Repair Facility Manager

(248) 529-2941

Mhorn@KennedyInd.com

A. PROFESSIONAL QUALIFICATIONS

ITEM #1

- KENNEDY INDUSTRIES, INC.
- 4925 HOLTZ DRIVE, WIXOM, MI 48393
- CORPORATION LICENSED ATTACHED (ATTACHMENT A)

ITEM #2

- KEY PERSONNEL ATTACHED (ATTACHMENT B)

ITEM #3

- COMPANY PROFILE ATTACHED (ATTACHMENT C)



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INDUSTRIES

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SOLVE
MONITOR
REPAIR

Attachment A: Corporation License



Department of Licensing and Regulatory Affairs

Lansing, Michigan

This is to Certify That

KENNEDY INDUSTRIES, INC.

was validly incorporated on April 9, 1964, as a Michigan profit corporation, and said corporation is validly in existence under the laws of this state.

This certificate is issued pursuant to the provisions of 1972 PA 284, as amended, to attest to the fact that the corporation is in good standing in Michigan as of this date and is duly authorized to transact business and for no other purpose.

This certificate is in due form, made by me as the proper officer, and is entitled to have full faith and credit given it in every court and office within the United States.



Sent by Facsimile Transmission
1456342

In testimony whereof, I have hereunto set my hand, in the City of Lansing, this 20th day of June, 2017.

Julia Dale

Julia Dale, Director
Corporations, Securities & Commercial Licensing Bureau



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Attachment B: Key Personnel

PRIMARY CONTACT PERSON

NAME: Mike Horn
TITLE: Repair Center Manager
ADDRESS: 4925 Holtz Drive, Wixom, MI 48393
OFFICE: (248) 684-1200
MOBILE: (810) 599-7019
EMAIL: mhorn@kennedyind.com

OFFICE LOCATIONS

PRIMARY: 4925 Holtz Drive
Wixom, MI 48393
(248) 684-1200

SECONDARY: 7425 Clyde Park Avenue
Byron Center, MI 49315
(616) 490-1023

YEARS EXPERIENCE

PUMP REPAIR SERVICE: 61 years (*since 1959*)

KEY PERSONNEL FOR THIS PROJECT



MIKE S. HORN
Repair Center Manager



JULIAN C. URSING
Shop Supervisor



BRIAN M. ALEXANDER
Machine Shop Supervisor



ANDY J. JENSEN
Project Engineer



TRACY L. SLAPSHAK
3D Cad Design



MICHAEL D. KUBASTA
Lead Machinist

Mike Horn Repair Center Manager



Mike Horn has been employed with Kennedy Industries for 24 years. All of his training has been received on-the-job. He has learned a vast number of valuable skills through various positions he has held within the company over the last 24 years. He has been a maintenance worker, truck driver, pump mechanic, field service technician, as well as working in CAD design, machine shop supervisor, and shop supervisor. Mike now manages Kennedy Industries' repair center that is capable of working on pumps of up to 7,000 HP. He is responsible for five supervisors and a total of 34 employees in the repair center. His daily responsibilities include completing repair quotes and pump reports, managing trucking logistics, building operations, and production scheduling.

Mike has overseen the repairs of many large pumps, including but not limited to:

- ❖ Detroit Edison
 - Repair, install, and startup of Boiler Feed Pumps.
 - Repair, install, and startup of Cooling Water Circulation Pumps (50,000 – 150,000 gpm).
- ❖ Wayne County Milk River
 - Supervised repair on Fairbanks Morse 72" Vertical Pumps (135,000 – 185,000 gpm).
- ❖ MDOT: I-696, Lodge, I-94
 - Supervised repair on various Storm Water Pumps.
- ❖ Palisade Power Cooling Tower Rebuild
 - Repaired pumps and de-rated from 210,000gpm to 195,000gpm.

Mike's extensive experience in the pump industry has fully prepared him to supervise any pump repair and ensure the highest possible standard of excellence.

Julian Ursing Shop Supervisor



Julian Ursing has been employed with Kennedy Industries for 18 years. As lead mechanic, Julian is responsible for overseeing all pump mechanics during the disassembly and assembly process. Julian is also responsible for communication between the shop and the office, ensuring all parts are ordered correctly and all steps of the process flow smoothly. He has worked and learned under Kennedy Industries' CEO, Jeff Nachtweih, and the repair center manager, Mike Horn, gaining extensive knowledge and valuable hands on experience during his 18 years at Kennedy Industries.

Julian has participated in many large pump repairs, including but not limited to:

- ❖ Detroit Edison
 - Disassembly, inspection, and assembly of Boiler Feed Pumps.
 - Disassembly, inspection, and assembly of Cooling Water Circulation Pumps (50,000 – 150,000 gpm).
- ❖ Wayne Count Milk River
 - Disassembly, inspection, and assembly of Fairbanks Morse 72" Vertical Pumps (135,000 – 185,000 gpm).
- ❖ MDOT: I-696, Lodge, I-94
 - Disassembly, inspection, and assembly of various Storm Water Pumps.
- ❖ Paliside Power Cooling Tower Rebuild
 - Disassembly, inspection, assembly of pumps and de-rated from 210,000gpm to 195,000gpm.

Julian's hands on experience and extensive knowledge makes him an invaluable resource during pump repairs at Kennedy Industries.

Brian Alexander

Machine Shop Supervisor



Brian Alexander has been employed with Kennedy Industries for 15 years. As the machine shop supervisor, Brian is responsible for overseeing the machinists during the machining process. All of his training has been received on-the-job. He has been a machinist and a mechanic, as well as working in CAD design. Brian supervises 7 machinists and 2 welders, encompassing years of experience in the machining trade.

Brian has managed the machining of many large projects, including but not limited to:

- ❖ Detroit Edison
 - Supervised all machining of Boiler Feed Pumps.
 - Supervised all machining of Cooling Water Circulation Pumps (50,000 – 150,000 gpm).
- ❖ Wayne County Milk River
 - Supervised all machining on Fairbanks Morse 72” Vertical Pumps (135,000 – 185,000 gpm).
- ❖ MDOT: I-696, Lodge, I-94
 - Supervised all machining on various Storm Water Pumps.
- ❖ Paliside Power Cooling Tower Rebuild
 - Supervised all machining on largest pump in the state.

Brian’s knowledge and practical work experience allows him to ensure quality products and excellence in the machine shop for every job.

Andy Jensen

Project Engineer



Andy Jensen has been employed with Kennedy Industries for 9 years. He spent the first 8 years as an engineered pump mechanic, and in the past year has moved to the role of project engineer. Andy is now responsible for quality checks, inspection reports, bills of material, routers, and prints to verify all the correct information is documented and in specification. He has worked and learned under Kennedy Industries' CEO Jeff Nachtweih, repair center manager Mike Horn, and shop supervisor Julian Ursing gaining knowledge and valuable hands-on experience during his 9 years at Kennedy Industries.

Andy has participated in many large pump repairs, including but not limited to:

- ❖ Detroit Edison
 - Disassembly, inspection, and assembly of Boiler Feed Pumps.
 - Disassembly, inspection, and assembly of Cooling Water Circulation Pumps (50,000 – 150,000 gpm).
- ❖ Wayne County Milk River
 - Disassembly, inspection, and assembly of Fairbanks Morse 72" Vertical Pumps (135,000 – 185,000 gpm).
- ❖ MDOT: I-696, Lodge, I-94
 - Disassembly, inspection, and assembly of various Storm Water Pumps.
- ❖ Palisade Power Cooling Tower Rebuild
 - Disassembly, inspection, assembly of pumps and de-rated from 210,000gpm to 195,000gpm.

Andy's hands on experience and extensive knowledge make him an invaluable resource during pump repairs at Kennedy Industries.

Tracy Slapshak

3D CAD



Tracy Slapshak has been employed with Kennedy Industries for 31 years. He held the positions of mechanic, machinist, CNC machinist and machine shop supervisor before transitioning to 3D CAD. Tracy is responsible for creating 3D models and prints of all parts that Kennedy Industries will manufacture. He is also responsible for writing up machine shop routers listing all machine work that each pump repair will require.

Tracy has been involved in a great many large pump repairs.

- ❖ Detroit Edison
 - Making prints, routing and machining parts of Boiler Feed Pumps.
 - Making prints, routing and machining parts for Cooling Water Circulation Pumps (50,000 – 150,000 gpm).
- ❖ Wayne County Milk River
 - Making prints, routing and machining of Fairbanks Morse 72” Vertical Pumps (135,000 – 185,000 gpm).
- ❖ MDOT: I-696, Lodge, I-94
 - Making prints, routing and machining of various Storm WaterPumps.
- ❖ Paliside Power Cooling Tower Rebuild
 - Making prints, routing and machining of pumps de-rated from 210,000gpm to 195,000gpm.

Tracy’s years of experience and knowledge of Kennedy’s processes makes him an important resource during pump repairs at Kennedy Industries.

Mike Kubasta Journeyman Machinist



Mike Kubasta has been employed with Kennedy Industries for 11 years. All of his training has been received on-the-job. He has been a machinist and a mechanic, as well as working in field service. Mike is also in charge of shop machine maintenance and repair. He ensures all machines function correctly and accurately.

Mike has machined many large projects, including but not limited to:

- ❖ Detroit Edison
 - Supervised all installation of Boiler Feed Pumps.
 - Machining on Cooling Water Circulation Pumps (50,000 – 150,000 gpm).
 - Machining on boiler feed pumps.
- ❖ Wayne County Milk River
 - Machining on Fairbanks Morse 72” Vertical Pumps (135,000 – 185,000 gpm).
- ❖ MDOT: I-696, Lodge, I-94
 - Machining on various Storm WaterPumps.
- ❖ Paliside Power Cooling Tower Rebuild
 - Machining on largest pump in the state.

Mike’s knowledge and practical work experience allow him to accurately set up large parts and ensure the finished product is of the utmost quality.



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Ryan Noll
Field service Technician



Ryan has been employed with Kennedy Industries since 2011. He is the team leader of the Engineered Field Service department.

Ryan has performed multiple startups and field repairs, including but not limited to:

- ❖ Detroit Edison
 - Repair and startup of Boiler Feed Pumps.
 - Repair and startup of Cooling Water Circulation Pumps (50,000 – 150,000 gpm).
- ❖ Detroit Metro Airport
 - Provided startup on Cascade Storm Water Pumps.
- ❖ University of Michigan
 - Install and startup of Cooling Tower Pumps with Flow Testing (6,000gpm)
- ❖ Grosse Pointe Woods
 - Maintenance and oil change on (5) Allis Chalmers pumps (4,000-26,000gpm)
- ❖ Palisades Energy
 - Install and startup of Cooling Tower Pumps (164,000 gpm)

Ryan's knowledge and practical work experience allows him to handle nearly all situations related to pumps.



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Glenn Smith
Field service Technician



Glenn Smith has been employed with Kennedy Industries since 2007. He is the team leader of the Municipal Field Service department. As a field service technician, he is responsible for startup, troubleshooting and field repair of pumps, control panels and valves.

Glenn has performed multiple startups and field repairs, including but not limited to:

- ❖ City of Detroit WWTP
 - Startup Cascade vertical pumps and motors
 - Startup Flygt sump pumps and panels
- ❖ Arbor Hills Landfill
 - Remove, reinstall, and startup Goulds End Suction Pump
- ❖ Monroe County Drain
 - Removal, reinstall and startup of Flygt submersible pumps and Flygt submersible mixed flow pumps, ranging to 125HP
- ❖ MDOT, Multiple locations
 - Removal, install and startup of vertical and submersible mixed flow pumps ranging from 50HP to 150HP.

Glenn has been trained and certified in all of the following:
OSHA 10, Singer Valves, EIM Controls, Square D Drives, Singer Advanced Electronics, Limitorque Controls and Actuators, JWC Muffin Monster, Flygt Pumps.

Glenn's knowledge and practical work experience allows him to handle nearly all situations related to pumps, valves and controls.



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Attachment C: Company Profile



KENNEDY
INDUSTRIES

PUMPING
FLOW CONTROL
PROCESS
AUTOMATION

HERE FOR YOU SINCE 1959



COMPANY PROFILE



4925 Holtz Drive
Wixom, MI 48393



7425 Clyde Park Avenue
Suite G
Byron Center, MI 49315



Phone 248-684-1200
Fax 248-684-6011



www.kennedyind.com

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From the smallest application to the largest, Kennedy Industries provides excellence in new equipment sales, pump repair, field service and controls for many industries. We strive to exceed our customers' expectations on every project providing plus 1 service. We are here to serve our customers competently, efficiently and knowledgeably. Kennedy is only as good as the people we employ. We are proud to have employees with decades of experience, which in turn helps us to provide the best service to our customers.

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Company History

CALVIN B. KENNEDY founded our company in May of 1959 when he left his position as repair and service supervisor at a pump company. With \$102.00 he started Kennedy Pump Repair Company in the back of a pickup truck. His dedication and honesty soon established Kennedy as a successful pump repair facility servicing Southeast Michigan.

In 1968, Cal added a distributor type sales department to compliment the steady growth of the repair facility. Allis-Chalmers, ITT-AC Pump, was the first major principal and continues to be one of Kennedy Industries core principals to this day.

In May of 1988, Kennedy Industries moved into their new 8,000 square foot shop and office facility in Milford, Michigan. Continued growth in the pump repair and new product sales led to a new and exciting chapter in Kennedy Industries history.

ConValco, a company specializing in the sale of engineered valves was acquired and successfully integrated in 1990. Exclusive sales agreements were made with numerous valve manufacturers including DeZurik, Singer Valve, Bray and APCO among others. Our continued growth necessitated a building expansion of 10,000 square feet in 1994. Another 12,000 square feet was added in 1999 and a new 40,000 square foot office/warehouse facility was added in Lyon Township in 2011, for a total of 70,000 square feet between the two buildings.

In June of 2014, Kennedy Industries broke ground to begin building a brand-new facility in Wixom. The new facility features 20,000 square feet of office, engineering, IT, controls and a training center. It also boasts 80,000 square feet of engineered pump repair, submersible pump repair, field service, weld shop, blast room, painting center, shipping and receiving, inventory warehouse, and a pump testing pit. The shop also contains nine 15-ton cranes and two loading docks, making it possible to handle any size equipment.

On May 20th, 2015, all Kennedy Industries employees moved from the Milford and New Hudson locations into the new state of the art facility in Wixom. The move was a massive undertaking that with the hard work of the entire Kennedy Team, went seamlessly with minimal interruption. Today over 86 employees and counting work at the Wixom facility.

In September of 2017, Kennedy Industries opens a new office and repair shop in Byron Center, Michigan. The 11,000-square foot facility will ensure that the western Michigan customers are provided with world class customer service.

World class principals were also part of our focus to add new products and our continuous efforts to upgrade our overall product offering resulted in the addition of Link-Seal, Limitorque, Fontaine and Xylem: Flygt; Sanitaire; Leopold; Wedeco along with a full offering of station and plant controls, telemetry and SCADA. The addition of ABB variable frequency drives and Baldor motors in 2015 strengthened our customer offering, allowing Kennedy Industries to be a "one stop" company.

The last two decades have been a period of dramatic change for Kennedy Industries. As our company has grown, we have procured new facilities in addition to expanding our existing, culminating with the new Wixom facility. We are fully equipped to provide the highest quality, most competitive repair services and products throughout the Midwest.

Kennedy Industries ERP, CRM, IT and financial systems were completely upgraded in 2017. This substantial investment was made to enhance product and customer service offerings to new customers and new markets. Kennedy's history will never be forgotten as the same strong values and principals apply today. We will continue the same honesty & integrity that has made us successful for over 60 years servicing our customers.

TIMELINE

- 1959** Kennedy Industries was founded by Calvin B. Kennedy.
- 1968** Cal brought in Bud Green as a partner managing the distributor type sales department.
- 1969** Kennedy Industries opened in Wixom, Michigan.
- 1976** Ed Eberle is brought into ownership and manages the sales department.
- 1986** Darrell Underwood is brought into ownership as Cal Kennedy retires from the company.
- 1988** Kennedy Industries moves to new facility in Milford, Michigan totaling 10,000 square feet.
- 1990** Kennedy Industries acquires ConValco, a company specializing in the sales of engineered valves.
- 1991** Expansion of Milford facility to total 20,000 square feet.
- 1995** Jeff Nachtweih, Steve Sadler and Dave Lake assume ownership for the retiring Ed Eberle.
- 1997** Kennedy Industries acquires the Flygt pump line.
- 1999** Expansion of Milford facility to total 30,000 square feet.
- 2005** Kennedy Industries growth requires move of industrial personnel, inventory, shipping and receiving to 15,000 square feet facility in New Hudson, Michigan.
- 2008** Dave Lake retires from Kennedy Industries. Jeff Nachtweih and Steve Sadler remain in ownership.
- 2010** Mark Hemeyer is brought into ownership as Steve Sadler retires from Kennedy Industries.
- 2010** Kennedy Industries adds Controls Department.
- 2011** Kennedy Industries growth requires move of industrial, municipal, controls, field service, submersible pump repair personnel, inventory and shipping and receiving to 40,000 square feet facility in New Hudson, Michigan.
- 2014** Kennedy Industries breaks ground on new 100,000 square foot facility in Wixom.
- 2015** Kennedy Industries moves into new facility in Wixom, Michigan.
- 2017** Kennedy Industries opens new 11,000 square foot facility in Byron Center, Michigan.
- 2018** Kennedy Industries enters the treatment market signing with Sanitaire, Wedeco, and Leopold.
- 2020** Kennedy Industries joins Vessco Holdings platform of six water focused companies



Original Location (1966 - 1988)



Kennedy Location (1988 - 2015)



Supplemental Location (2005 - 2011)



Sales/Inventory/Submersible Pump Repair (2011 - 2015)



Wixom Location (2015 – Present)

WIXOM, MI
Our Current
100,000
Square Foot
Facility



Byron Center Location (2017 – Present)

BYRON
CENTER, MI
Our Western
Facility



BYRON CENTER

WIXOM

Personnel



“There is no better feeling than putting in the effort, learning, contributing and the feeling of accomplishment... which all leads to success!”

“I enjoy being challenged with opportunities that have a meaningful and beneficial impact on others, communities and the environment.”

“I come to work every day because I like what I do, I like the people I work with, and I like the people I work for.”

PERSONNEL:

MUNICIPAL OUTSIDE KEY ACCOUNT MANAGERS



NICK HEINTZ

Business Development Manager

Nick has been with Kennedy since 2005.



TRAVIS COLE

Key Account Manager

Travis has been with Kennedy since 2020. Southern and Mideastern Michigan territory.



KEITH SIKAITIS

Key Account Manager

Keith has been with Kennedy since 2000. Southeastern Michigan territory.



MIKE KALOTA

Key Account Manager

Mike has been with Kennedy since 2014. End User/Aftermarket, Generator Sales.



RICK ALVAREZ

Key Account Manager

Rick has been with Kennedy since 2013. Southwestern Michigan territory.



JIM BAKOS

Key Account Manager

Jim has been with Kennedy since 2018. Northern Michigan territory.



BEN SCRACE

Key Account Manager

Ben has been with Kennedy since 2021. Central Eastern Michigan territory.

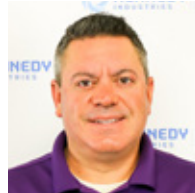
INDUSTRIAL OUTSIDE KEY ACCOUNT MANAGERS



DOUG WEIL

Repair Sales / Key Account Manager

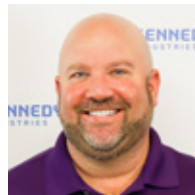
Doug has been with Kennedy since 1997. Michigan territory and out of state repair sales. He specializes in the Power, Nuclear and Gas markets.



ROBERT ANTONISHEK

Key Account Manager

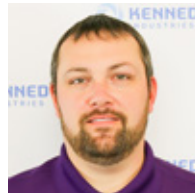
Robert has been with Kennedy since 2014. Western Michigan territory. He brings 15+ years of experience in the industry.



JEFF JENSEN

Key Account Manager

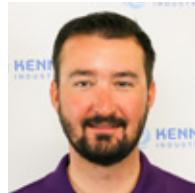
Jeff has been with Kennedy since 2011. Southeastern Michigan territory. He handles all markets of Industrial products for key accounts.



JASON COMPTON

Key Account Manager

Jason has been with Kennedy since 2019. Indiana, Illinois and Wisconsin territory. He handles all markets of Industrial products for key accounts.



SPENCER HASBROUCK

Key Account Manager

Spencer has been with Kennedy since 2012. Southeastern Michigan territory. He handles all markets of industrial products for key accounts.

CONTROLS



BEN MANLONGAT

Controls Sales Manager

Ben has been with Kennedy since 2010. He brings 15+ years of PLC/SCADA project, programming, and engineering experience to the Controls Team.

PERSONNEL:

INSIDE SUPPORT STAFF



BRYAN DAVIDSON

Inside Team Lead / Chief Project Estimator

Bryan has been with Kennedy since 2016. He is responsible of managing the inside team, bids & specification projects, submittals, purchasing and assisting Key Account Managers.



DAWN HARKNESS

Senior Customer Support Representative

Dawn has been with Kennedy since 1990. She is responsible for customer purchase orders, submittals, purchasing and assisting Key Account Managers. Dawn also handles key accounts such as Detroit Edison and Consumers Energy.



CINDY WOODARD

Senior Project Manager

Cindy has been with Kennedy since 1980. She is responsible for customer purchase orders, submittals, purchasing and assisting Key Account Managers.



TOM KILGORE

Customer Support Representative

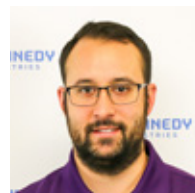
Tom has been with Kennedy since 2019. He is responsible for customer purchase orders, submittals, purchasing and assisting Key Account Managers.



HEATHER LAKE

Senior Project Manager

Heather has been with Kennedy since 1995. She is responsible for customer purchase orders, submittals purchasing and assisting Key Account Managers.



CHAD WINES

Customer Support Representative

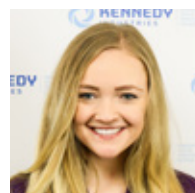
Chad has been with Kennedy since 2020. She is responsible for customer purchase orders, submittals, purchasing and assisting Key Account Managers



CHRISTINE HUEPENBECKER

Project Manager

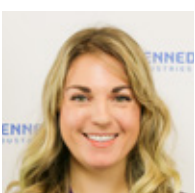
Christine has been with Kennedy since 2015. She is responsible for customer purchase orders, submittals, purchasing and assisting Key Account Managers.



ASHLEY ADAMS

Customer Support Representative

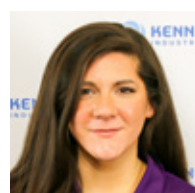
Ashley has been with Kennedy since 2020. She is responsible for customer purchase orders, submittals, purchasing and assisting Key Account Managers.



JESSICA RIVARD

Project Manager

Jessica has been with Kennedy since 2018. She is responsible for customer purchase orders, submittals, purchasing and assisting Key Account Managers.



JENNIFER ABAJAY

Customer Support Representative

Jennifer has been with Kennedy since 2020. She is responsible for customer purchase orders, submittals, purchasing and assisting Key Account Managers.



IRENE LITNER

Project Manager

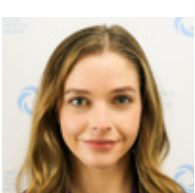
Irene has been with Kennedy since 2016. She is responsible for customer purchase orders, submittals, purchasing and assisting Key Account Managers.



ERIC GRIFFITH

Application Engineer

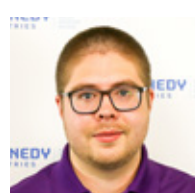
Eric has been with Kennedy since 2018. He is a state licensed PE that provides engineering assistance to our customers.



MADDIE MORAN

Administrative Specialist

Maddie has been with Kennedy since 2021. She is responsible for administrative support throughout the company, handles special projects and supports inside customer service and project managers.



ERIC WILDE

Application Engineer

Eric has been with Kennedy since 2020. He is a state licensed PE that provides engineering assistance to our customers

PERSONNEL:

REPAIR CENTER



MIKE HORN

Repair Center Manager

Mike has been with Kennedy since 1995. He manages all quoting and operations. He also sets production schedule.



ANDY JENSEN

Repair Center Estimator

Andy has been with Kennedy since 2010. He is responsible for all quotes in the repair department.



SARAH RAHN

Lead Repair Project Manager

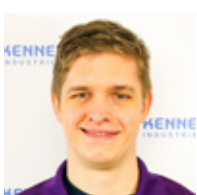
Sarah has been with Kennedy since 2016. She is responsible for quoting, transportation scheduling and all repair project managers.



GABBIE ROSS

Repair Project Manager

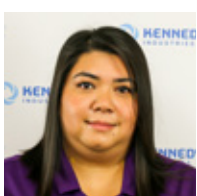
Gabbie has been with Kennedy since 2018. She is responsible for purchasing and customer purchase orders for the Repair Center.



CODY BYERS

Repair Project Manager

Cody has been with Kennedy since 2018. He is responsible for purchasing and customer purchase orders for the Repair Center.

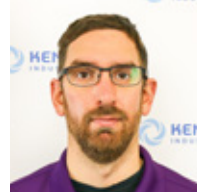


KARA ALLEN

Repair Project Manager

Kara has been with Kennedy since 2020. She is responsible for purchasing and customer purchase orders for the Repair Center.

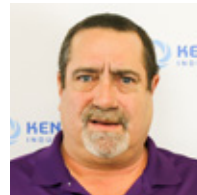
MECHANICS



JULIAN URSING

Shop Supervisor - Mechanics

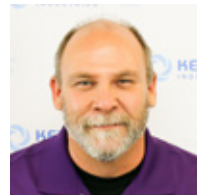
Julian has been with Kennedy since 2001.



QUINTON MCLEISH

Mechanic

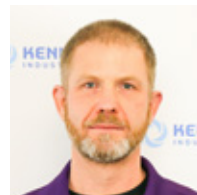
Quinton has been with Kennedy since 1988.



JOE SNOOK

Mechanic

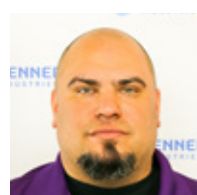
Joe has been with Kennedy since 1994.



JIM TURNER

Mechanic

Jim has been with Kennedy since 2007.



JOEL KIMBALL

Mechanic

Joel has been with Kennedy since 2010.

PERSONNEL:

MECHANICS

(CONTINUED)



JASON DUBOIS

Submersible Repair Supervisor

Josh has been with Kennedy since 2011.



JOSH TURNER

Mechanic

Josh has been with Kennedy since 2011.



TOM MCVEY

Mechanic

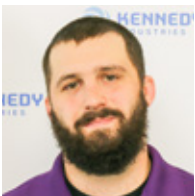
Tom has been with Kennedy since 2014.



DANIEL LIRA-ARROYO

Mechanic

Daniel has been with Kennedy since 2017.



ANDREW RANBARGER

Mechanic

Andrew has been with Kennedy since 2019.



JACK UTECHT

Mechanic

Jack has been with Kennedy since 2020.

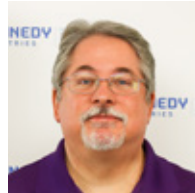
MACHINISTS



BRIAN ALEXANDER

Shop Supervisor – Machinists

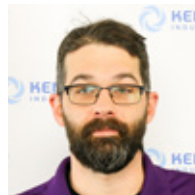
Brian has been with Kennedy since 2004.



TRACY SLAPSHAK

CAD/Solid Work Technician

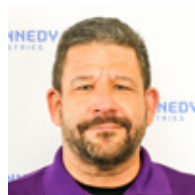
Tracy has been with Kennedy since 1987.



BENATHAN DEMAN

Machinist

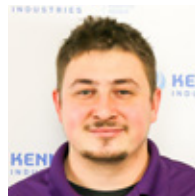
Benathan has been with Kennedy since 2006.



MIKE KUBASTA

Machinist

Mike has been with Kennedy since 2008.



JASON VAN EIZENGA

Machinist

Jason has been with Kennedy since 2013.

CAD & SOLID WORKS TECHNICIANS

MIKE HORN
DOUG WEIL
SPENCER HASBROUCK
ANDY JENSEN
TRACY SLAPSHAK

(Pictures for these employees are available in other departments.)

PERSONNEL:

MACHINISTS



ZAC FRATZKE

Machinist

Zac has been with Kennedy since 2013.



JUSTIN MCCOY

Machinist

Justin has been with Kennedy since 2016.



DILLION YOUNG

Machinist

Dillion has been with Kennedy since 2016.

WELDERS



CHRIS BEADNELL

Certified Welder

Chris has been with Kennedy since 2010.
He is certified to ASME 9 code.

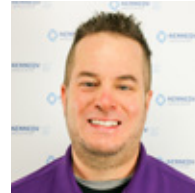
SHIPPING & RECEIVING



KEVIN MCLEISH

Shipping and Receiving Supervisor

Kevin has been with Kennedy since 1984.
He handles all shipping of products that come in
and out of Kennedy and inventory control.



DANE BULLEN

Shipping and Receiving

Dane has been with Kennedy since 2014.
He handles shipping and receiving of product
and inventory.

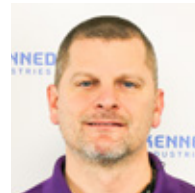


MATT MCDONALD

Shipping and Receiving

Matt has been with Kennedy since 2018.
He handles shipping and receiving of product
and inventory.

TRANSPORTATION



RYAN PATRICK

Transportation Specialist

Ryan has been with Kennedy since 2007.



JEREMY CUSHEN

Transportation Specialist

Jeremy has been with Kennedy since 2014.

PERSONNEL:

MAINTENANCE



LUCAS KALUSH

Maintenance Supervisor

Lucas has been with Kennedy since 2015.



DAN MALEK

Maintenance

Dan has been with Kennedy since 2013.



MARK CUNNINGHAM

Maintenance

Mark has been with Kennedy since 2019.



JACOB HENRICKSON

Maintenance

Jacob has been with Kennedy since 2019.



JOE FAUVER

Maintenance / Transportation Specialist

Joe has been with Kennedy since 2020.



PERSONNEL:

FIELD SERVICE



BRANDON JEANNETTE

Field Service Manager

Brandon has been with Kennedy since 2015. He is Kennedy's field service coordinator and handles special projects.



SEAN MCDONALD

Field Service Project Manager

Sean has been with Kennedy since 2016. He is Kennedy's field service coordinator and handles special projects.



KIM TRIMBLE

Field Service Project Manager

Kim has been with Kennedy since 2019. She is Kennedy's field service coordinator and handles special projects.



CAITE DUSBIBER

Field Service Project Manager

Catie has been with Kennedy since 2016. She is Kennedy's field service coordinator and handles special projects.

FIELD SERVICE CONTROLS



BRETT PETHERS

Controls Engineer/Field Service

Brett has been with Kennedy since 2016. He performs PLC/SCADA programming and onsite startups for Controls projects.



JIM HICKS

Operations Manager – Controls Department

Jim has been with Kennedy since 2021.

FIELD SERVICE TECHNICIANS EASTERN MICHIGAN



GLENN SMITH

Lead Municipal Field Service Technician

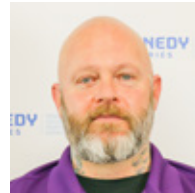
Glenn has been with Kennedy since 2007.



RYAN NOLL

Lead Industrial Field Service Technician

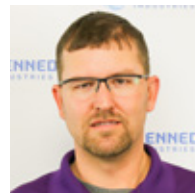
Ryan has been with Kennedy since 2011.



GREG PHIPPS

Field Service Technician

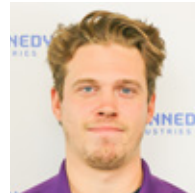
Greg has been with Kennedy since 2017.



SHANON ELLIS

Field Service Technician

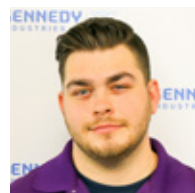
Shanon has been with Kennedy since 2018.



RYAN ADAMS

Field Service Technician

Ryan has been with Kennedy since 2018.



CODY LAMBERT

Field Service Technician

Cody has been with Kennedy since 2018.

PERSONNEL:

FIELD SERVICE TECHNICIANS WESTERN MICHIGAN



JOHN OROLIM

Field Service Technician

John has been working with Kennedy since 2007.



STEVEN DEVRIES

Field Service Technician

Steven has been working with Kennedy since 2007.



JC VAN HARN

Field Service Technician

JC has been with Kennedy since 1995.



CALEB NIEWIANDOMSKI

Field Service Technician

Caleb has been with Kennedy since 2020.



MARK FOX

Field Service Technician

Mark has been with Kennedy since 2020.



PERSONNEL:

SPECIALTY PERSONNEL



MARK HEMEYER

President

Mark has been with Kennedy since 1989.



CRAIG CZAJKOWSKI, CPA

Accounting / HR

Craig has been with Kennedy since 2015. He assists Shirley in handling accounts payable/ accounts receivable and human resources.



ZACH O'BRIEN, CPA

Assistant Controller

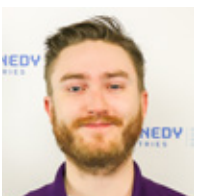
Zach has been with Kennedy since 2020. He assists Craig in handling accounts payable/ accounts receivable and human resources.



MARGIE URSING

Process manager / ERP

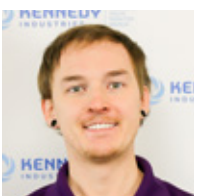
Margie has been with Kennedy since 2009.



MITCHELL SOBEL

Datacenter Administrator

Mitchell has been with Kennedy since 2016. He performs IT technical support to Kennedy Industries and the Controls Group.



KEVIN DION

ERP Integrator

Kevin has been with Kennedy since 2017. He assists Controls projects with PLC/SCADA programming.



Operations

INDUSTRIAL
SALES

COMMERCIAL
SALES

MUNICIPAL
SALES

WATER/
WASTEWATER
PROCESS
SALES

REPAIR &
FIELD SERVICE

CONTROLS
SALES &
INTEGRATION



KENNEDY INDUSTRIES operates with five separate profit centers:

- Industrial Sales
- Commercial Sales
- Municipal Sales
- Water/Wastewater Process Sales
- Repair & Field Service
- Controls Sales & Integration

Each division is consistently profitable and strives to be dominant in its field. Our outside, inside, repair, field service and parts sales force is experienced in the Industrial-Commercial, Municipal, Repair, Field Service, Controls, and Treatment market and is second to none.

We strive to align ourselves with industry leading manufacturers of engineered equipment on an exclusive basis. Our goal is dominance in the markets we cover and to be in the top quarter of performance for all of our Principals. Another area of change is working through resellers and supply houses, when circumstances dictate. This has been brought about by the increase in blanket alliances in the automotive, paper and other markets. Our area of coverage is the State of Michigan, Lower Peninsula, with a few accounts in the Eastern side of the Upper Peninsula and Northwest Ohio. Our Repair and Field Service departments serve many states in the Midwest and beyond.

Our Industrial sales group is computer connected with the purchasing departments of Ford, Chrysler, General Motors, DTE Energy, Consumers Energy, and US Steel through their proprietary systems. Many of our principals are also online and/or web-based. We send and receive orders and acknowledgments and communicate via electronic means or e-mail. Our Municipal and

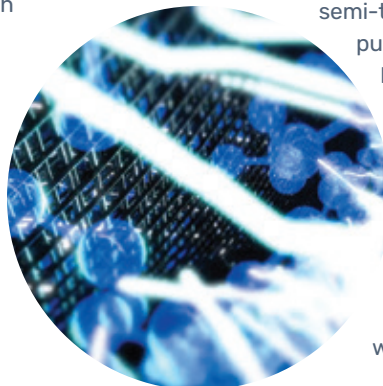


Industrial sales group represents some of the most premier engineered product manufacturers in Michigan. Our strengths are specification work at the consulting engineer level and service after the sale. We are financially strong. We buy/sell 90% of our projects and we are staffed to produce shop drawings and operation and maintenance manuals as specifications dictate. All sales personnel utilize CRM software to track project activity.

Kennedy Industries employs 11 field service technicians on the road everyday handling start-ups, warranties, and field service maintenance contracts. Each vehicle is equipped with a hydraulic hoist and is fully stocked with mechanical and electrical parts to make on site repairs. We feel that our repair center and field service are second to none. More detailed information on our repair and field service capabilities is available by requesting our facilities survey.

Kennedy Industries also has a fleet of trucks and vehicles rising from a small four door Chevrolet Colorado to a sleeper semi-truck that can pick up and deliver loads and pumps with excess length and weight. Kennedy Industries has invested in this equipment to better serve our customers and to provide sole source responsibility.

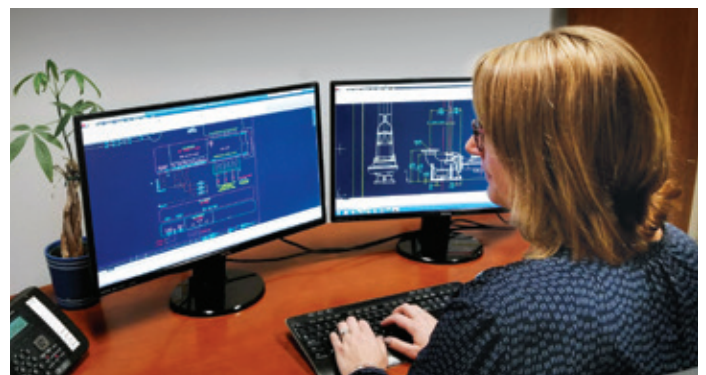
Kennedy Industries advancement into the water/wastewater treatment marketplace brings a value added approach to endusers, contractors and engineers. We supply, service, and repair products from end to end within the plant.



Future



KI  **GENERATOR**



Kennedy Industries continues to work our plan for careful, managed growth in sales volume for each of our principals and for increased profitability for both parties. We will strive to represent first class principals that have the ability to stay abreast of market requirements and have high quality products, competitive deliveries and pricing.



Facebook, LinkedIn and Twitter are a reality in our society that cannot be ignored. Kennedy is fully developing and maintaining Facebook, LinkedIn and Twitter accounts. This will allow us to reach the younger generation of industrial, commercial, water and wastewater professionals.

Over the past several years Kennedy has participated in committees working with young professionals and students. This allows us to build new relationships from the ground floor up. Kennedy Industries was awarded the new professional of the year award in 2010 for participation in the MWEA new professionals committee which we are very proud.

Kennedy is also developing new and exciting technologies that will allow us to provide our Customers with world class customer service. Kennedy has invested over \$1,000,000 in CNC machines, invested hundreds of thousands into computer systems, software, IT and equipment all to enhance our offerings to the Customer. Continuous improvement requires continuous investment.



Kennedy's future continued growth has required that we hire new specialized personnel. Kennedy Industries employs four (4) electrical engineer/controls specialists, one (1) mechanical engineer, one (1) information technologies specialists, five (5) CAD Solid works operators and increased support staff. These new hires are vital to expanding our offerings and capabilities that customers have demanded in the marketplace. Kennedy's business plan is to innovate faster than our competitors can try to duplicate.



Opportunities

Kennedy can provide complete coverage of the industrial and commercial, municipal, repair, field service and controls markets as follows:

CONSULTING ENGINEERS We pride ourselves on our specification work at the consulting engineer level. We continuously call on consulting engineers, working with them on recommendations, specification review, layouts and budget pricing. Lunchtime “brown bag” seminars are one tool we use to keep our name in front of engineers. In addition, we actively manage our CRM to insure we have visibility of all opportunities within our territory.

CONTRACTORS We view ourselves as very adept at working a job on bid day and providing our principals with the necessary feedback. Quite frankly, contractors like to do business with Kennedy Industries given our commitment to doing the right thing under challenging circumstances as well as our commitment to conducting business with integrity. Our level of service from order processing to start-up and commissioning is unmatched across all industries.

DIRECT SALES Direct sales and aftermarket sales is another area where we can increase our presence. We routinely call on water and wastewater treatment plants, both commercial and independent power stations, automotive plants, steel mills and chemical companies. We frequently participate in tabletop shows and belong to many of the local operator group organizations.

FIELD SERVICE In addition to our fully equipped repair facility, Kennedy has 11 full time field service vehicles on the road performing start-ups, preventive maintenance contracts and warranty work.

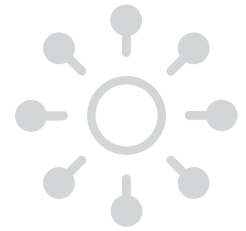
RENTAL Rental is a very important growth market for Kennedy. We currently supply rental pumps for bypass and dewatering to contractors end users alike. Our rental department includes pumps, panels and controls ranging from 2hp to 110hp. We also offer wireless alarming that will alert the contractor owner’s personnel in the event of an equipment failure or malfunction. In 2017, we signed an agreement with Godwin to leverage both our strengths. Working together will help us both become dominate in the rental and bypass market.

TREATMENT Over the years Kennedy has grown our business by capturing a larger percentage of the markets “wallet”. Another term often used at Kennedy is “another arrow in the quiver.” We look to leverage our service capabilities and reputation in the industry to provide treatment products and services to our customers.

ENERGY AUDITS & ANALYSIS Maintenance funds are decreasing along with available manpower. Customers are looking like never before to decrease cost along with maintaining or improving services. Kennedy energy audits are designed to help the customer identify inefficient pumps that are wasting the customer’s precious dollars. A partially clogged or worn out impeller can cost the customer over 50% in energy usage. This staggering amount can offer the customer a quick payback on a more efficient machine and reduce overtime costs along with improving safety of the customer’s employees. Kennedy can also provide variable frequency analysis to help customers decide if a variable frequency drive can help save energy and improve the longevity of their equipment.

KENNEDY TECHNICAL PAPERS In August of 2011, Kennedy published its very first technical paper. Technical papers highlight projects and products that are problem solvers. These have become a great sales tool and help communicate various problem-solving ideas throughout the company and industries that we serve.





MONITORING AND CONTROLS It was a natural progression for Kennedy to become more involved in the monitoring, controls and SCADA portion of the business. Customers were having problems with control firms that knew nothing about pumps and systems as a whole. Kennedy, with its vast pump knowledge and with addition of controls engineers and controls trained service technicians hit the ground running. Customers now can make one call for technical support and service versus a plethora of various vendors that didn't always have the customer's best interest in mind. Currently, Kennedy can offer everything from pumping systems analysis, PLC programming, wireless web-based SCADA and everything in between.

APPRENTICE PROGRAM In 2010, Kennedy Industries instituted an apprentice program. Our main objective is to train the next generation and promote from within. Currently Kennedy has apprenticeship programs for all job classifications from machinists, mechanics, engineers, CAD/Solid works, customer service, inside and outside sales. This program pairs senior personnel with newly acquired employees to ensure that the apprentices of today become the senior leadership of tomorrow.

PLUS ONE PROGRAM In 2017, Kennedy Industries provided the very first "pumping as a service" project to the City of Fenton. This project provided the customer with a complete worry-free environment. Kennedy provided 14 pumps and maintenance for an agreed upon term and replaces them after term expiration with new pumps. The customer is invoiced annually so no budget busting repair is ever required.

MAINTENANCE CONTRACTS One of our true competitive advantages is our service capabilities. Kennedy currently provides maintenance contracts for over 180 stations across the state. Many of these contracts are on the eastern side of Michigan. The addition of Kennedy's Western Michigan office and shop will allow us to double this in the next few years.

PACKAGING Over the last 25 years, Kennedy has grown our business offering more products and services to the customer. In the past, Kennedy would supply two pumps and receive revenue accordingly. As time went on, we started providing two pumps and the control panel, then valves, telemetry, transfer switch, generators and SCADA. Revenue increased by double and triple in some areas. The customer push back with this practice at first was mixed. As time went on customers loved it as Kennedy was single source responsible for the entire station. No more customer pain with finger pointing upon multiple vendors. If it's broke, call Kennedy and they will fix it. Kennedy provides customers with a complete solution versus competitors that can only provide a portion. Kennedy will continue to add complimentary products and services to sustain growth and provide our customer with world class customer service.

EXTENDED WARRANTIES Extended warranties offer the customer piece of mind while also offering Kennedy with another signified revenue stream. This opportunity is a true win-win for the customer and Kennedy.



Strategy

Our marketing strategy is to aggressively promote products on various levels, concentrating on the following:

END USERS Creating a partnership with end users to achieve “trusted advisor” status is our main objective. This is accomplished by truly listening to the customers pain points and offering products and services to address the issue. Price is only a major factor when there is an absence of value. Kennedy specializes in solving customer’s pain by increasing reliability, efficiency, longevity and most importantly, safety. Kennedy has invested in state-of-the-art field equipment so that we can measure current field conditions which allows us to analyze the load and offer a guaranteed solution. Our repair reports not only provide the customer with cause of failure, but what to do about it so that it doesn’t happen again.

SMALL CONSULTING CIVIL ENGINEERS Small civil engineering firms typically do not have mechanical or electrical engineers on their design staff. When an opportunity arises for a water, wastewater treatment application or pump station, they will look for outside assistance. Kennedy can provide them with the technical assistance they need and fast.

MEDIUM TO LARGE CONSULTING ENGINEERS We present products as a packaged, preengineered solution. Larger consulting firms are looking at all avenues to reduce their overall costs – including reducing staff and design costs. Kennedy has multidiscipline personnel that can provide a fast response to any inquiry.

CONTRACTORS Contractors represent a large portion of Kennedy’s sales. We provide contractors with the highest level of customer service. Kennedy does the “little things” to make contractors lives easier. We process orders in house and make terms and conditions a smooth transaction. Many underground contractor’s purchase orders are verbal, “get it going,” which makes us an easy one stop experience. We handle the completion of submittals, order status, follow-up, release, invoicing, bonding, O&M manuals, start up and owner training internally in a smooth and seamless fashion. Keeping contractors coming back time and time again is our number one priority.

INDUSTRIAL, WASTEWATER AND WATER SHOWS Kennedy is an active participant in various shows throughout the year. We prominently feature our represented products and services at these shows. The joint expo show is our largest show where we purchase as many as 18 booths to truly exhibit our company and the fine principal that we represent. Local sectional shows often request Kennedy personnel to present to the attendees as we are highly respected by our customers in the industry.

POLITICIANS Many purchasing decisions are now in the hands of the township supervisors, city managers and council members. Kennedy often presents to these important decision makers at board meetings and political shows like the MTA (Michigan Township Association).



LUNCH AND LEARNS We have found “lunch and learns” to be a very effective tool in presenting new products to large groups of engineers and end users.

TARGETED MARKETING CORRESPONDENCES

Kennedy identifies key designers and decision makers and promotes products via sales calls, email and tech papers.

BUY AND TRYs When new products are available in the market many customers are apprehensive. Kennedy strives to be on the cutting edge of technology and always is willing to do 90 days try and buys to prove to the customer that the product is reliable and cost effective. We have found that once the product is installed it is purchased after the trial period has expired.

KENNEDY TRAINING To effectively promote our products and services, our sales staff must be knowledgeable in all aspects of our products and services. Kennedy will do whatever it takes to gain this knowledge from sending personnel to factory training, webinars and PowerPoint presentations designed to train our personnel to be the best in the industry.

CUSTOMER VISITS TO KENNEDY One of Kennedy’s advantages is our state-of-the-art facility. We host industry meetings, events and offer training sessions. Kennedy receives numerous compliments on our true hands on training. Showing the customer firsthand the quality and attention to the smallest detail keeps our customers coming back again and again.



References

CONSULTING ENGINEERS



HUBBELL, ROTH & CLARK

Trevor Wagonmaker: 248-454-6300

PREIN & NEWHOF

Nate Ver Huel: 616-364-8491

WADE TRIM

Jeff Reynhout: 734-947-2620

SPICER GROUP

Brad Luczak: 989-754-4717

WILLIAMS & WORKS

Brandon Mieras: 616-224-1500

FLEIS & VAN DENBRINK

Ed Hawks: 616-977-1000

MOORE & BRUGGINK

Brian Hannon: 616-368-9801

STANTEC, INC.

Greg Schofer: 248-719-8392

TETRA-TECH

Roger Kaliman: 734-665-6000

FISHBECK ENGINEERS

Jeff Brown: 517-887-4016

ROWE PROFESSIONAL SERVICES

Doug Scott: 810-341-7500

VRIESMAN & KORHORN CIVIL ENGINEERS

Nate Vriesman: 616-277-2185

GOSLINS-CZUBAK

Mark Hurley: 231-946-9191

MUNICIPALITIES



CITY OF GRAND RAPIDS

Bill Smith: 616-456-3915

GREAT LAKES WATER AUTHORITY (GLWA)

Tom Hall: 313-267-3620

CITY OF LANSING

Bill Brunner: 517-483-4018

GENESEE COUNTY

Pat McNamara: 810-732-0078

SPRING LAKE TOWNSHIP

Kyle Botbyl: 616-502-2162

CITY OF MUSKEGON

Dave Baker: 231-724-6988

HOLLAND TOWNSHIP

Aaron Nyboer: 616-396-1891

GRAND HAVEN TOWNSHIP

Mark VerBerkmoes: 616-604-6313

CITY OF NOVI

Scott Roselle: 248-343-1303

NORTHFIELD TOWNSHIP

Dan Willis: 734-449-4159

OWOSSO: CALEDONIA TOWNSHIP

John Langtry: 989-743-3181

HOLLAND BOARD OF PUBLIC WORKS

Theo VanAken: 616-355-1288

SOUTHEAST MACOMB

SANITARY DISTRICT

Brent Avery: 586-929-1486



OAKLAND COUNTY WRC

Kevin Scholz: 248-618-9690

CITY OF MARSHALL

Alec Egnatuk: 269-781-3289

CITY OF CHELSEA

Corey Davis: 734-475-8298

CITY OF COLDWATER

Jon Foley: 517-279-9531

YPSILANTI COMMUNITY UTILITIES AUTHORITY (YCUA)

Ryan Stetler: 734-730-3738

LENAWEE COUNTY

Tom Gillenwater: 517-264-4699

MUSKEGON COUNTY

Dave Bonthuis: 231-724-3458

CITY OF NORTON SHORES

Matt Anderson: 231-799-6804

CITY OF FENTON

Scott Gordon: 810-629-4605

FORT GRATIOT TOWNSHIP

Greg Randal: 810-395-4489

PORT HURON TOWNSHIP

Robert Lewandowski Jr.: 810-987-6600

INDUSTRIAL



MIDLAND COGENERATION VENTURE

Tom Harrison: 989-633-7846

MARATHON PETROLEUM

Zeke Duke: 313-268-5313

FORD MOTOR COMPANY

Mike Surdock: 248-459-3075

DETROIT DIESEL

Dwayne Kubacki: 313-610-3699

WYANDOTTE POWER

Chris Brohl: 734-818-6174

CONSUMERS, CAMPBELL

Rick Estabrook: 616-235-3210

CONSUMERS ENERGY, KARN

Phil Powers: 989-316-6719

A.K. STEEL

Andy Holcomb: 313-317-9758

Russ Kibat: 313-845-5719

DOW SILICONES

Chad French: 989-513-7603

CORTEVA AGRISCIENCES

Amy Allen: 989-295-7325

NIPSCO

Matt Lenski: 219-816-2532



DTE, SHAP

Dave Gluskin: 586-978-6510

DTE EES COKE BATTERY

Tom Desantis: 313-216-2518

BUCKEYE PIPELINE

Dan Posipanko: 610-904-4572

DETROIT EDISON, FERMI

John Veres: 734-586-4831

DETROIT EDISON, PEAKERS

Tim Ellsworth: 734-384-2509

DETROIT EDISON, MONROE

Mike Kozlowicz: 734-755-6978

COVANTA ENERGY, GRAND RAPIDS

Jerry Smith: 616-235-3210

DCP MIDSTREAM

Greg Rhodes: 717-858-4112

MARATHON

Mike Rinne: 313-297-4723

DTE ENERGY, BELLE RIVER POWER PLANT

Rich Sylvia: 810-326-3393

CONTRACTORS



JF CAVANAUGH COMPANY

Jerry Schmitt: 248-476-9366

JOHN E. GREEN COMPANY

Tom Tacey: 989 752-5100

FRANKLIN HOLWERDA

Larry Lind: 616-538-3231

CSM MECHANICAL

Craig Mortz: 248-521-0981

ALLIED MECHANICAL

James Oudbier: 616-669-4800

JACKSON MERKEY CONTRACTORS

Gary Merkey: 231-728-9344

KAMMINGA & ROODVOETS

Tim Bergstrom: 616-949-0800

MIDWEST POWER SYSTEM

Brent Canup: 248-770-5121

PROCESS PIPE & EQUIPMENT

Andrew Smith: 248-684-5330

BODDY CONSTRUCTION

Ryan Bauer: 810-292-7052

DAN'S EXCAVATING

Dennis Rozanski: 586-254-2040

WEISS CONSTRUCTION

Joe Mulville: 313-567-4500

Z CONTRACTORS

Noel Cruz: 586-625-8899

Charity

KENNEDY INDUSTRIES is committed to doing our part in the communities in which we do business. Over the past 20 plus years, Kennedy and its employees has devoted countless hours and financial support to those in need. Our commitment applies to our approach to business, but more importantly, the role we all have as citizens. Kennedy Industries is dedicated to giving back to enrich the lives of children and families in need. Spreading hope and joy through charitable activities is an integral part of our company's heritage.



REACHING HIGHER Kennedy provides two volunteer employees as mentors at Milford High School for the Reaching Higher program. Reaching Higher is a non-profit organization that's dedicated to helping young people live healthier, happier lives. Their character-building leadership training program inspires and prepares students to succeed and to reach their potential



ANGELMAN SYNDROME FOUNDATION WALK

Kennedy Industries supported a team walk and raised \$870.00 in pledges to aid the Angelman Syndrome Foundation. We walked to support "Team Kayla".



SEEDLINGS BRAILLE BOOKS BOWLING

Kennedy Industries was a program sponsor and participated in the Seedlings Braille Books for Children annual bowling for books event.



AMERICAN DIABETES ASSOCIATION, TOUR DE CURE

Kennedy Industries formed a team and biked 20 miles and raised \$1,200.00 to help the American Diabetes Association fund



GLEANERS, HUNGER FREE SUMMER FOOD NIGHT

Kennedy Industries participated in the annual Gleaners Community Food Bank "Summer Food Fight" to help southeast Michigan children fed once they lose access to school provided meals. \$ 849.00 in monetary donations were made and hundreds of pounds of food was donated.



SUSAN G. KOMEN 3-DAY WALK For the 2nd year in a row, Kennedy is proud to have had a walker participate in the Susan G. Komen 3-Day 60 mile walk also bringing a donation of \$2,600. Susan G. Komen is the world's largest breast cancer organization, and it's their mission to end breast cancer forever.



OTHER CHARITIES SUPPORTED:

ALHAMBRA MANF, BUILDING A DECK
WALLED LAKE RIDE WITH THE EAGLES
SPARKY'S DEFIBRILLATOR GOLF OUTING
LIVINGSTON COUNTY DAY OF CARING
ST. FRANCIS WILD GAME DINNER
TAMSIN KLOSOWSKI GOLF OUTING
MARCH OF DIMES GOLF OUTING
FREELAND COMMUNITY SPORTS
BERT LOOMIS MEMORIAL RIDE
BAGS FOR CHEMO PATIENTS
CAPUCHIN SOUP KITCHEN
SPECIAL OLYMPICS
MOVEMBER
DOGGIE DASH
GREENS FOR JEANS
STEP OUT DETROIT
MOTT GOLF CLASSIC
HOWELL NATURE CENTER
BLUE JAYS BASEBALL TEAM
CITY OF FLINT - WATER BOTTLES
MARY & JOSH KOCH BENEFIT
TOUR DE LIVINGSTON BIKE RIDE
TOYS FOR TOTS - VOLUNTEER TO SORT
GLEANERS - WOMEN'S POWER HOUR
LIVINGSTON COUNTY, LUTZ PARK CAMERA
CITY OF SAGINAW FIRE DEPT GOLF OUTING

Mission Statement

Kennedy Industries business philosophy is the same today as it was when the company was founded in 1959 –

Provide the customer with the very best product and service.

What does that mean today some 60 plus years later?



- ▶ **It means** all Kennedy Industries team members fully understand that without the customer there is no Kennedy Industries.
- ▶ **It means** going the extra mile to make a good customer experience a great one with plus 1 service.
- ▶ **It means** responding to a customer in need at 2:00 am on Christmas Eve.
- ▶ **It means** effort, purpose, pride, and appreciation of the fact that the customer chose to call Kennedy Industries.

Our team commitment to the customer is the reason day after day, year after year, decade after decade that customers continue to bless us with their business.

It is often challenging, but the reward for a job well done is a customer calling again and again.

Kennedy Industries top priority will always be to provide the best product and service while never forgetting to be thankful and appreciative to the most important person –

THE CUSTOMER.





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PUMPING
FLOW CONTROL
PROCESS
AUTOMATION



OUR LOCATIONS

4925 Holtz Drive
PO Box 930079
Wixom, MI 48393
Phone: (248) 684-1200

www.kennedyind.com

7425 Clyde Park Avenue
Suite G
Byron Center, MI 49315
Phone: (616) 490-1023

B. PAST INVOLVEMENT

1) ANN ARBOR WATER TREATMENT PLANT

- 919 SUNSET RD., ANN ARBOR, MI 48103
- (734) 794-6426
- PUMP REPAIR AND MAINTENANCE SERVICES (RFP #18-11)
- CONTACT: MIKE SWITZENBERG
- 2018 TO 2021
- PUMP TYPES: HORIZONTAL SPLIT CASES

2) GREAT LAKES WATER AUTHORITY

- 10100 E. JEFFERSON DETROIT, MI 48214
- (313) 964-9194
- PUMP REPAIR FOR THE WATER PLANTS (RFP-1803437)
- CONTACT: DEVIN HOWARD
- 2019 TO PRESENT
- PUMP TYPES: SUBMERSIBLES / VERTICAL TURBINES / HORIZONTAL SPLIT CASE

(SEE COMPANY PROFILE FOR ADDITIONAL REFERENCES)



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60TH
ANNIVERSARY

C. PROPOSED WORK PLAN

- KENNEDY INDUSTRIES IS DEDICATED TO PROVIDING THE VERY BEST SERVICE AND PRODUCTS TO OUR CUSTOMERS. KENNEDY INDUSTRIES REPAIR AND FIELD SERVICE TEAMS INCLUDE SIX PROJECT MANAGERS WHO HANDLE ALL COMMUNICATION WITH THE CUSTOMER AND ALL SCHEDULING REQUIRED. THIS ENSURES EACH PROJECT IS SEAMLESS AND SUCCESSFUL FROM START TO FINISH.
- THE FOLLOWING PROCESSES AND DOCUMENTATION ARE USED FOR PROJECTS:
 - ATTACHMENT A: FIELD SERVICE PROCESS FLOW MAP
 - ATTACHMENT B: REPAIR PROCESS FLOW MAP
 - ATTACHMENT C: PUMP REPAIR PROFILE
 - ATTACHMENT D: SAMPLE QUOTE
 - ATTACHMENT E: SAMPLE AS FOUND CONDITION REPORT
 - ATTACHMENT F: INSPECTION REPORTS
 - ATTACHMENT G: FIELD SERVICE REPORT WITH PUMP CHECK IN

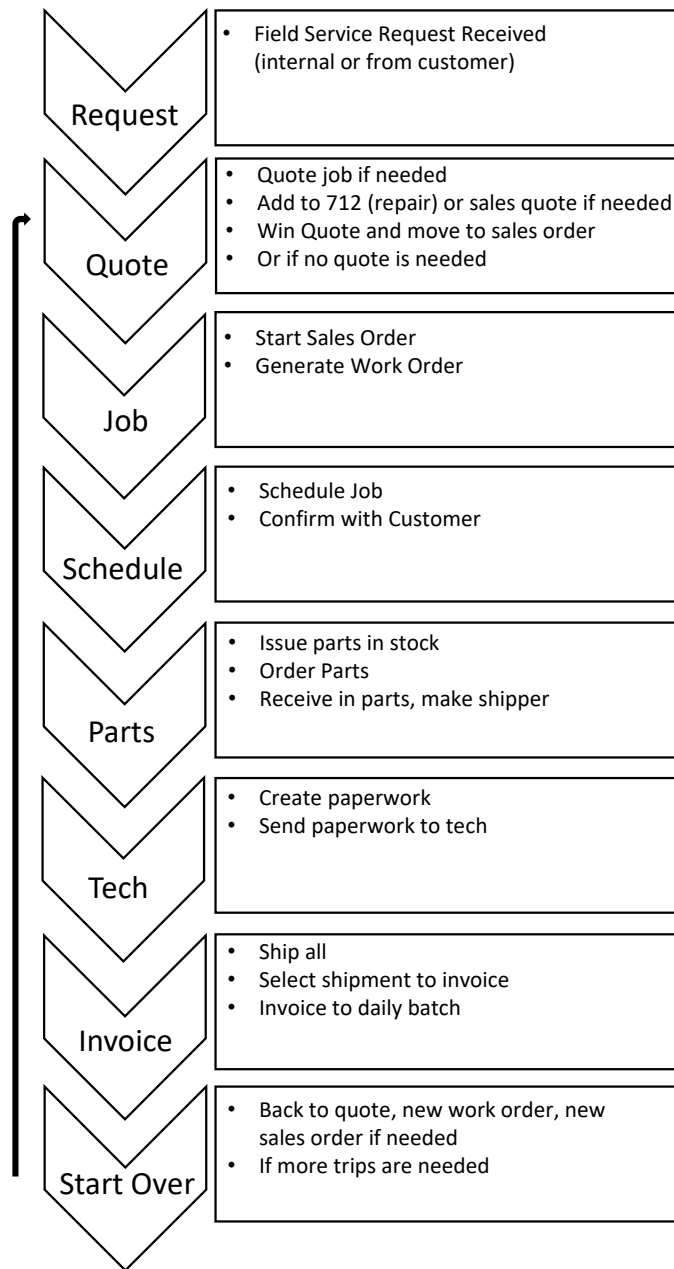


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Proposed Work Plan Attachment A: Field Service Process Flow Map

Field Service Process Flow Map



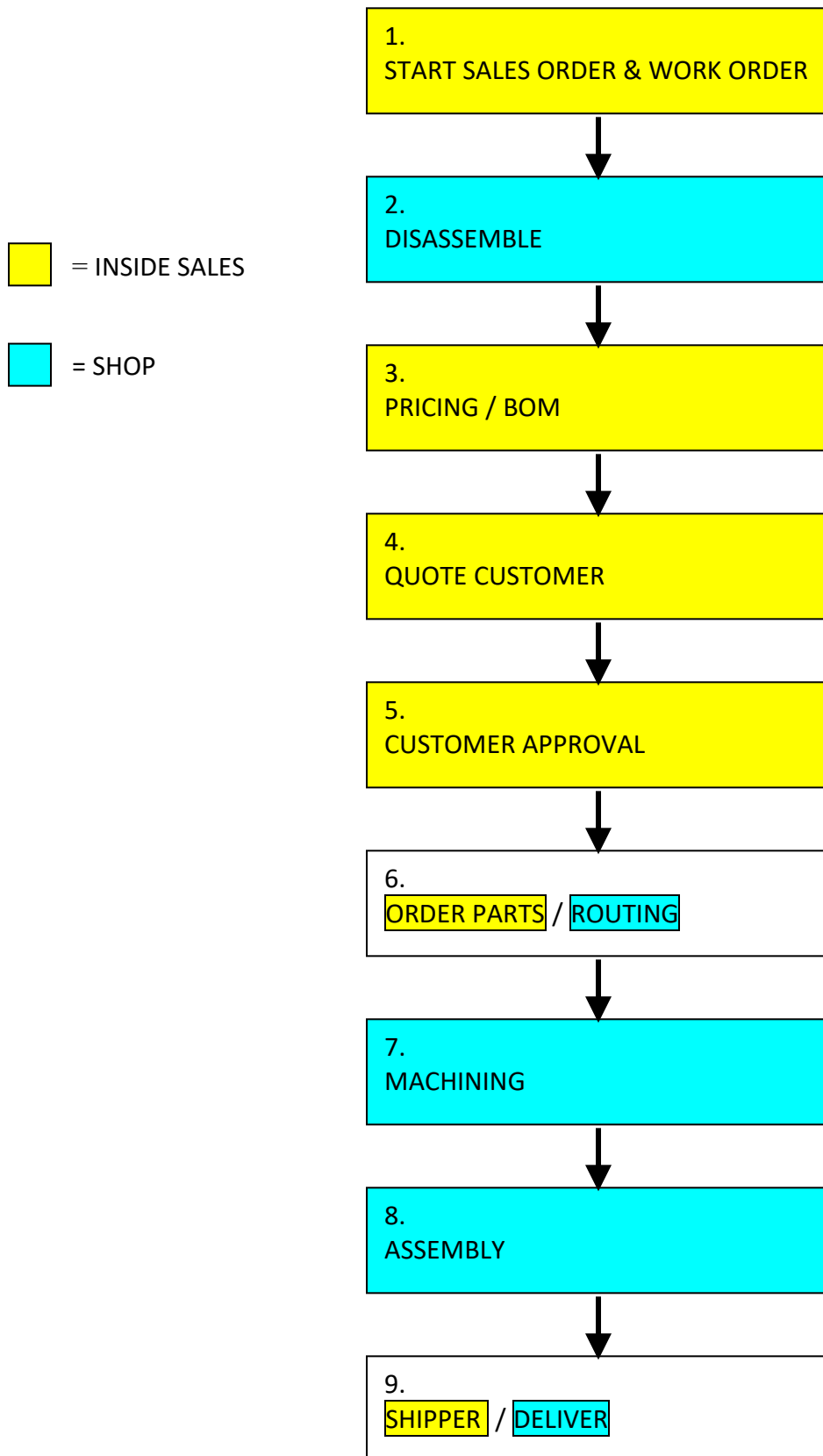


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Proposed Work Plan Attachment B: Repair Process Flow Map

Repair Process Flow Map





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Proposed Work Plan Attachment C: Pump Repair Profile



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PUMP REPAIR PROFILE



Calvin B. Kennedy founded our company over fifty years ago when he left his position as repair and service supervisor at Kerr Machinery Company. With \$102.00 in his pocket, he started Kennedy Industries Pump Repair in the back of a pickup truck. His dedication and integrity soon established Kennedy as a successful pump repair facility.

Today the company has grown to over 70 employees with an 80,000 sq. ft. repair facility that is dedicated to providing the customer with world class pump repair and customer service. The commitment to integrity and customer service is the same today as it was back then.

The following pages detail the process by which we repair the customer's pumps to ensure the highest efficiency and longest life to provide the best value in the industry. Kennedy also has a dedicated field service department that can remove and install your pump 24 hours a day 7 days a week.

We would be happy to provide you with a free estimate on your next repair.

Phone: (248) 684-1200 • Fax: (248)684-6011
www.kennedyind.com

SUBMERSIBLE PUMPS- REPAIR SPECIFICATIONS

After disassembly and cleaning of all components, a complete disassembly report is written detailing all parts required to bring your machine back to OEM specifications. The stator is also tested with our motor analyzer. We perform a surge test, a 2,000 VDC megger, and a winding resistance test in milliohms. EASA guidelines and OEM specs are met. A visual examination is also completed to check for mechanical wear patterns and compromised connections.



The stator is then baked in our dedicated bake out oven for a minimum of two hours at 250°F. This removes all moisture from the windings and insulation. After this process, the stator will be tested to guidelines listed above.



All worn parts are replaced with new parts or are restored to OEM specifications by certified welding, hard chrome plating, tungsten carbide coating, machining, precision grinding, seal face lapping, or many of our other in-house processes.



Prior to assembly, the seal faces are lapped in-house to within two lightbands of flatness. The final product is Opti-flat verified.

After the rotating assembly is constructed with all components, total indicator runout is verified at less than .003" on critical faces and diameters. The rotor is then dynamically balanced to 4W/N. Our balance stand has a sensitivity of 20 Micrometers and a capacity of 10,000 lbs.



After assembly, the pump is air tested at 6 PSI for one hour then test run and checked for AMP draw, phase balance, and vibration. The pump is then coated with an epoxy based paint.



We also offer state of the art ceramic coatings to increase efficiency and to protect against erosion and cavitation damage. Our technicians are trained by 3M in surface preparation and application. Kennedy Industries, Inc. is also an authorized Flygt Distribution and repair facility.





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HORIZONTAL PUMPS - REPAIR SPECIFICATIONS

Once your pump is checked in at our shop, photos are taken, and external details such as seal flush and coupling position are recorded.

During disassembly, we will inspect for and note visual wear, foreign objects, damaged, cracked, or broken components.



Cleaning consists of a spherical crowned glass bead blast on fabricated and cast components in our 30' blast booth. Bearing housings are pressure washed, and shafting is polished with 400 grit emery cloth. This process prepares all surfaces for an accurate inspection, and allows us to easily spot defects.



After a micrometer and run out inspection, worn parts are replaced with new, or restored by welding, chrome plating, tungsten carbide coating, or precision grinding. Line boring internal casing fits can also reduce vibration amplitudes, and improve sealing of rings, bushings, and packing leak off control. Our three CNC centers manufacture parts up to 36" X 120".



The impeller is then assembled to the pump shaft and mounted on roller bearings. Total indicator run out is verified at less than .003" on critical diameters to verify concentricity and trueness. The rotor is then dynamically balanced to 4W/N to ensure smooth performance. Our two computerized balancing stands have a sensitivity of 20 micro inches and a capacity of 10,000 lbs.



Once our processes are complete, all components undergo a final cleaning and quality control inspection. This process verifies that precision fits, running clearances, and shaft straightness meet or exceed OEM specifications. A careful assembly addresses radial and axial impeller position, thrust, and free rotation.



Once assembly is complete, a final check list will be completed to confirm your pump is built properly. We then paint or protect all external surfaces. We also offer ceramic coatings, mechanical seal conversions, and several other upgrades.

Our fleet of trucks can deliver up to 52' loads.





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VERTICAL TURBINE PUMPS - REPAIR SPECIFICATIONS

Prior to disassembly, dimensions such as length, discharge size, and shaft extension will be measured. Photos are taken, and the rotor end float will be recorded and checked for free rotation. During disassembly, we will inspect for and note visual wear, foreign objects, damaged, cracked, or broken components.



Cleaning consists of a spherical crowned glass bead blast on fabricated and cast components in our 30' blast booth. Bearing housings are pressure washed, and shafting is polished with 400 grit emery cloth.



After a micrometer and run out inspection, worn parts are replaced with new, or restored by welding, chrome plating, tungsten carbide coating, or precision grinding. Our three CNC turning centers can manufacture parts up to 36" X 120".



Once our processes are complete, all components undergo a final quality control inspection. This process verifies that precision fits, running clearances, and straightness of all shafts meets or exceeds OEM specifications.



Each impeller is then assembled to a balance arbor and mounted on roller bearings. Total indicator run out is verified at less than .003" on critical diameters to verify concentricity and trueness. Collets and hardware are match marked for repeatability.



The impellers are then dynamically balanced to 4W/N to ensure smooth performance. Our two computerized balancing stands have a sensitivity of 20 micro inches, and a capacity of 10,000 lbs.



Once assembly is complete, a final check list will be completed to confirm your pump is built properly. We then paint or protect all external surfaces. We also offer Tar-Set, and several other special coatings. Our fleet of trucks can deliver up to 52' loads.



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SEWAGE PUMPS - REPAIR SPECIFICATIONS

Once your pump is checked in at our shop, photos are taken, and external details such as seal flush and coupling run out are recorded. We then begin disassembly, where we will inspect for and note visual wear, foreign objects, damaged, cracked, or broken components.



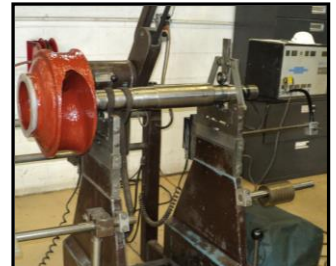
Cleaning consists of a spherical crowned glass bead blast on cast components in our 30' blast booth. Bearing housings are pressure washed and shafting is polished with 400 grit emery cloth. This process allows us to easily spot mechanical wear and erosion in the volute, impeller and shaft.



After a micrometer and run out inspection, worn components are replaced with new, or restored by welding, chrome plating, tungsten carbide coating, or precision grinding. We also offer protective coatings, such as ceramic overlays that restore surfaces and increase efficiency. Our three CNC centers manufacture parts up to 36" X 120".



The impeller is then assembled to the pump shaft and mounted on roller bearings. Total indicator run out is verified at less than .003" on critical diameters to verify concentricity and trueness. The rotor is then dynamically balanced to 4W/N to ensure smooth performance. Our two computerized balancing stands have a sensitivity of 20 micro inches and a capacity of 10,000lbs.



After our processes are complete, all components undergo a final cleaning, hydro test and quality control inspection. This process verifies that precision fits, running clearances, and shaft straightness meet or exceed OEM specifications. A careful assembly addresses radial and axial impeller position, thrust, and free rotation.



Once assembly is complete, a final check list will be completed to confirm your pump has been built properly. We then paint or protect all external surfaces. Kennedy also offers mechanical seal conversions, bearing isolators, special coating and several other upgrades to ensure long service life.



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CIRCULATING PUMPS - REPAIR SPECIFICATIONS

Prior to disassembly, details such as length, flush plan, and shaft extension will be documented. Photos are taken, and the rotor end float will be recorded, and checked for free rotation. During disassembly, we will inspect for and note visual wear, foreign objects, damaged, cracked, or broken components.



Cleaning consists of a steel shot blast on fabricated and cast components or glass bead when warranted in our 30' blast booth. Bearing housings are pressure washed, and shafting is polished with 400 grit emery cloth. This process takes the components to bare metal, which allows an accurate inspection.



After a micrometer, NDE, and run out inspection, worn parts are replaced with new or restored. Some of our processes include welding, chrome plating, tungsten carbide and metal spray coatings. Our three CNC turning centers can manufacture parts up to 36" X 120".



After run outs are verified at less than .003", the impeller is then dynamically balanced to ISO grade 6.3 to ensure smooth performance. Our two computerized balancing stands have a sensitivity of 20 micro inches, and a capacity of 10,000lbs.



Prior to assembly, all components undergo a final quality control inspection. This process verifies that precision fits, running clearances, finishes, and straightness of all shafts meets or exceeds OEM specifications.



Once assembly is complete, a final check list will be completed to confirm your pump is built properly. We then paint or protect all external surfaces. We also offer bitumastic coal tar epoxy, ceramic, and several other coatings. Our fleet of trucks can deliver up to 52' loads.



Kennedy Industries can offer on-site technical assistance. Our friendly and knowledgeable reps can assist with all steps, such as setting lift, alignment, packing, and mechanical seals. We can also assist with start up and baseline performance checks.





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END SUCTION PUMPS - REPAIR SPECIFICATIONS

Once your pump is checked in at our shop, photos are taken and external details such as seal flush, coupling position, thrust, and shaft run out are recorded.

During disassembly, we will inspect for and note visual wear, foreign objects, and damaged, cracked, or broken components.



Cleaning consists of a spherical crowned glass bead blast on cast components. Bearing housings are pressure washed, and shafting is polished with 400 grit emery cloth. This process prepares all surfaces for an accurate inspection, and allows us to easily spot defects. We also carefully examine the impeller and volute casings as they are the heart of the pump.



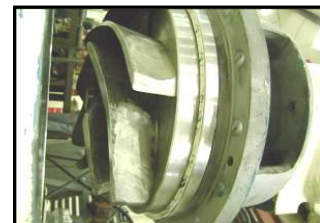
After a micrometer, NDE (nondestructive examination), and shaft run out inspection, worn parts are replaced with new, or restored by welding, chrome plating, tungsten carbide coating, or precision grinding. Our three CNC turning centers can accurately machine complex surfaces, and manufacture parts up to 36" X 120".



The impeller is then assembled to the pump shaft and mounted on roller bearings. Total indicator run out is verified at less than .003" on critical diameters to verify concentricity and trueness. The rotor is then dynamically balanced to 4W/N to ensure smooth performance. Our two computerized balancing stands have a sensitivity of 20 micro inches and a capacity of 10,000lbs.



Once our processes are complete, all components undergo a final cleaning and quality control inspection. This process verifies that precision fits, running clearances, and shaft straightness meet or exceed OEM specifications. A careful assembly addresses radial and axial impeller position, thrust, and free rotation.



Once assembly is complete, we will air test your pump for one hour to ensure it is leak free. A final check list will be completed to confirm your pump is built properly. We then paint or protect all external surfaces. We also offer ceramic coatings, mechanical seal conversions, and several other upgrades to ensure long life.



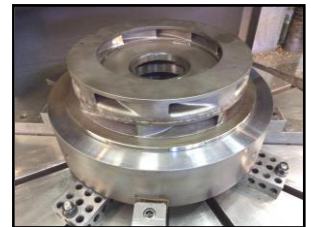
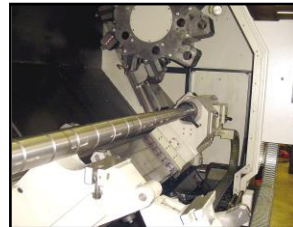
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BOILER FEED PUMPS - REPAIR SPECIFICATIONS

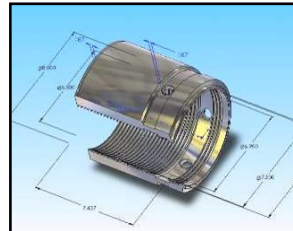
Prior to disassembly, photos are taken and we record radial lifts, rotor float, and external dimensions. Impellers and channels are glass bead blasted, followed by a visual, dimensional, A/B Gap, NDE, and T.I.R. inspection.



Processes include welding, chrome plating, tungsten carbide, CNC, and precision grinding. Careful attention is paid to stack ups, concentricity, perpendicularity, flatness, fits, clearances, and shaft straightness.



Design and layout are completed with state of the art solid modeling to ensure accuracy, and impeller centralization. We can also restore all external components to ensure field assembly and start up are problem free.



Prior to assembly, all components undergo a 3000 psi cleaning to remove machining chips and grit. Each part is put through a triple Q.C. process to ensure OEM specifications are met or exceeded. Quality is our top priority.



After an individual balance, the rotor is assembled with all components, and total indicator run out is verified at less than .002" on all critical diameters. We can dynamic balance to 2W/N to ensure a reliable and smooth running pump.



A careful assembly verifies precise impeller centralization at each stage. Our test stand confirms free rotation. These projects involve meticulous details. Our skilled technicians can team up with your staff for final assembly.





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Proposed Work Plan Attachment D: Sample Quote

QUOTATION		
DATE	NUMBER	PAGE
3/24/2020	0030627	1 of 3

B ANN200
I CITY OF ANN ARBOR
L ACCOUNTSPAYABLE@A2GOV.ORG
T ANN ARBOR, MI 48107
O

Accepted By: _____
Company: _____
Date: _____
PO#: _____

ATTENTION:
NICK BARAN 734-794-6426 nbaran@a2gov.org

WE ARE PLEASED TO PROPOSE THE FOLLOWING FOR YOUR CONSIDERATION:

CUSTOMER REF/PO#	JOB TITLE	SLP	SHIPPING TYPE
2020-00000587	BARTON PS, PUMP #4, DELVAL, PUMP, WATER	REA/CRB	FIELD SERVICE
QTY	DESCRIPTION		

THE FOLLOWING QUOTE IS FOR THE COST OF LABOR AND MATERIALS FOR THE ABOVE REFERENCED PUMP.

ESTIMATED NEW PARTS REQUIRED:

- (2) THRUST BEARINGS
- (1) RADIAL BEARING
- (1) SET OF O-RINGS
- (4) SNAP RINGS
- (2) SET OF PACKING
- (2) PACKING SLEEVES - REPAIR
- (1) CASTING GASKET
- (1) SUCTION GASKET
- (1) DISCHARGE GASKET
- (1) SET OF FITTINGS
- (1) SET OF FASTENERS
- (1) IMPELLER KEY - STAINLESS STEEL
- (1) KIT POLYMER STEEL
- (2) KITS CERAMIC COATING

ADDITIONAL PARTS REQUIRED:

- (2) BEARING ISOLATORS - UPGRADE
- (1) BEARING LOCKNUT
- (1) BEARING LOCKWASHER
- (2) FLINGERS
- (1) END COVER GASKET

ESTIMATED LABOR REQUIRED:

DISASSEMBLE COMPLETE PUMP.

SANDBLAST COMPONENTS AND PREP FOR INSPECTION.

DIMENSIONALLY MEASURE ALL OPERATING CLEARANCES AND RECORD ON INSPECTION REPORT.

CERAMIC COAT INSIDE OF ENTIRE CASE TO RESTORE THE SURFACE.

ASSEMBLE ALL ROTATING PARTS ON SHAFT AND PLACE IN BALANCING MACHINE.

VERIFY T.I.R.'S THEN DYNAMICALLY BALANCE ROTOR TO 4W/N.

QUOTATION		
DATE	NUMBER	PAGE
3/24/2020	0030627	2 of 3

QTY	DESCRIPTION
-----	-------------

ASSEMBLE ROTATING ELEMENT WITH NEW PARTS LISTED.

INSTALL ROTOR IN PUMP CASING THEN ASSEMBLE COVERS WITH GASKETS AND PINS.

TORQUE COVER BOLTS TO PROPER SPECIFICATIONS.

INSTALL BEARING HOUSINGS.

ADJUST BEARING HOUSINGS TO PROVIDE FREE ROTATION AND PROPER THRUST.

PAINT THEN PRESERVE PUMP FOR FIELD SERVICE INSTALLATION

ADDITIONAL LABOR REQUIRED:

PREP MACHINE SHAFT FOR HARD CHROME PLATING AT 1 ISOLATOR JOURNAL.

CHROME PLATE JOURNAL THEN GRIND TO OEM SPECIFICATIONS.

METAL SPRAY CASE RING OD'S FOR PROPER CLEARANCE TO THE CASE ID'S.

PREP MACHINE SHAFT SLEEVES FOR HARD CHROME PLATING.

CHROME SHAFT SLEEVES THEN GRIND TO OEM SPECIFICATION.

LAP COUPLING TO SHAFT FOR A MINIMUM OF 85% CONTACT.

APPLY POLYMER STEEL TO STUFFING BOX ID'S AND MACHINE TO RESTORE CONCENTRICITY.

ESTIMATED REPAIR COST: \$12,250.00

ADDITIONAL REPAIR COST: \$3,735.00

TOTAL REPAIR COST: \$15,985.00

DELIVERY: 4 WEEKS (AFTER RECEIPT OF ORDER)

QUOTATION		
DATE	NUMBER	PAGE
3/24/2020	0030627	3 of 3

QTY	DESCRIPTION
-----	-------------

THE FOLLOWING QUOTE IS FOR FIELD SERVICE REQUIRED ON YOUR ABOVE REFERENCED PUMP STATION:

FIELD SERVICE LABOR REQUIRED:

KENNEDY INDUSTRIES WILL PROVIDE (2) FIELD SERVICE TECHNICIAN(S) ONSITE TO REMOVE YOUR DELAVAL PUMP AND TRANSPORT IT TO OUR WIXOM LOCATION.

KENNEDY INDUSTRIES WILL PROVIDE (2) FIELD SERVICE TECHNICIAN(S) ONSITE TO INSTALL YOUR REPAIRED DELAVAL PUMP, STARTUP AND TEST RUN TO VERIFY PROPER OPERATION.

TOTAL FIELD SERVICE COST: \$9,564.00. COST WENT UP \$1,834.00 TO COVER SKY TRACK RENTAL.
IF SKY TRACK RENTAL IS NOT NEEDED FOR INSTALL, TOTAL FIELD SERVICE COST: \$8,647.00

TOTAL REPAIR COST: \$15,985.00

TOTAL FIELD SERVICE COST: \$9,564.00

TOTAL COST: \$25,549.00

DELIVERY: 4 WEEKS (AFTER RECEIPT OF ORDER)

PLEASE PROVIDE WRITTEN OR VERBAL AUTHORIZATION SO THAT WE MAY RESPOND TO YOUR REQUIREMENTS.

IF YOU HAVE ANY QUESTIONS, COMMENTS, OR ARE IN NEED OF ANY ADDITIONAL INFORMATION PLEASE FEEL FREE TO CONTACT ME AT (248) 684-1200.

SINCERELY,

MIKE HORN
REPAIR CENTER MANAGER
MHORN@KENNEDYIND.COM

JN/CRB
cc:REA

This quote is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions (Rev'd 4/2019) and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Kennedy reserves the right to change the Terms & Conditions and Customer Warranty for future orders. By accepting this quote and/or issuing a purchase order relative to this quote, buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website.

CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE
NO TAXES OF ANY KIND ARE INCLUDED IN THIS PROPOSAL

TOTAL: \$25,549.00



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Proposed Work Plan Attachment E: Sample As Found Condition Report



March 24, 2020

Mr. Nick Baran
City of Ann Arbor
1010 W. Huron River Dr
Ann Arbor, MI 48103

RE: Delaval Barton Station Water Pump #4
Serial Number: 253683
Customer Reference Order #: 2020-00000587
Kennedy Industries #: 103693

Mr. Baran:

Attached are photos with descriptions of the parts in need of repair or replacement. If you have any questions, please do not hesitate to contact us.

Sincerely,

Mike Horn

Repair Center Manager
KENNEDY INDUSTRIES, INC.



PUMP



- Pump at disassembly.
- Pump spun tight at disassembly.

IMPELLER



- Impeller rings show little to no wear.
- Impeller is in good condition and will be reused.

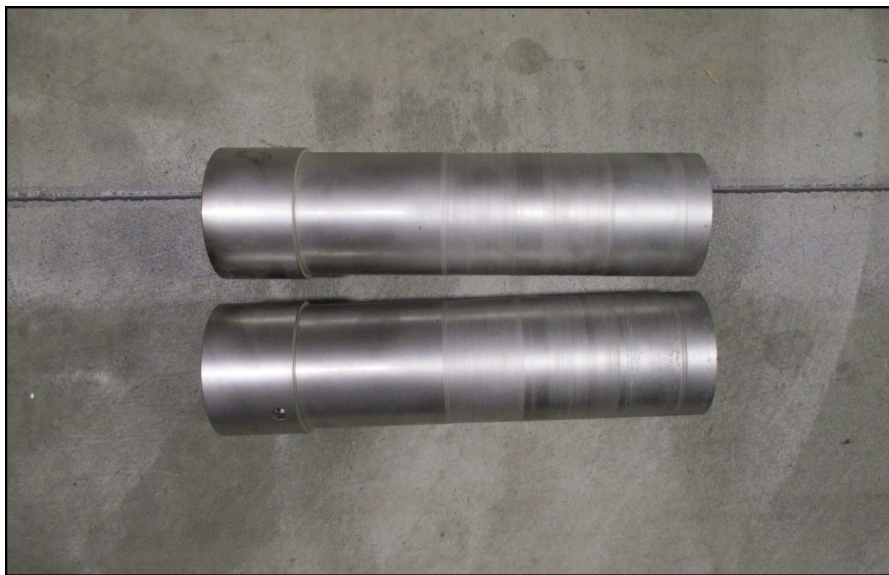


CASE RINGS



- Case ring ID to impeller ring OD clearances are .024, specification is .022-.024.
- Case ring OD to case ID clearances are over .050, specification is .002-.005.
- Case ring OD's will be metal sprayed and machined to restore proper clearance to the case ID.

PACKING SLEEVES



- Packing sleeve OD's are slightly worn.
- Packing sleeves will be machine prepped, hard chrome plated, and precision ground to restore proper size and finish.



SHAFT



- Shaft is scored at the TE isolator fit.
- Shaft will be machine prepped, hard chrome plated, and precision ground to restore proper size and finish.

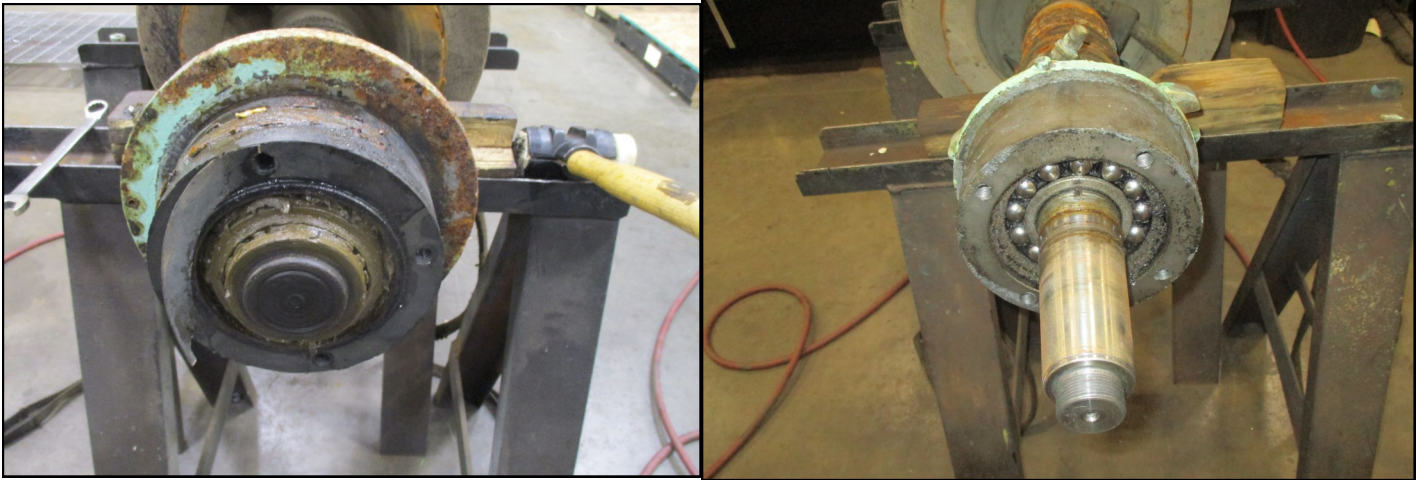
CASE



- Case internal surfaces are pitted and eroded.
- Polymer steel will be applied to stuffing box ID's and machined to restore concentricity.
- All other case internal surfaces will be ceramic coated to help prevent further erosion.

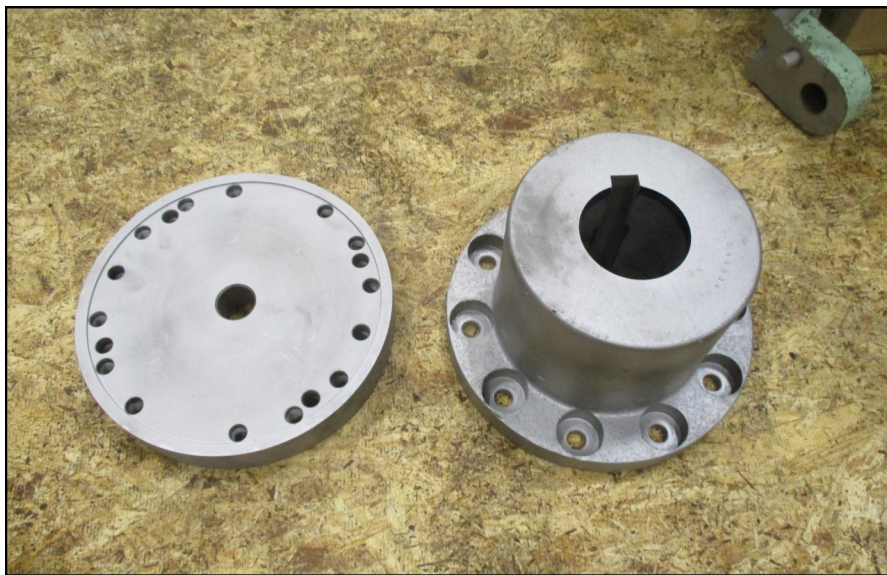


BEARINGS



- Bearings were contaminated with water and dirt.
- Bearing housings will be upgraded to isolators and bearings will be replaced with new.

COUPLING



- Tapered coupling bore has only 40% contact with the shaft.
- Coupling bore will be lapped to the shaft for a minimum of 85% contact.



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Proposed Work Plan Attachment F: Inspection Reports

DISASSEMBLY HORIZONTAL SINGLE STAGE

JOB #:		INSPECTOR	
CUSTOMER:		OLD KI#	
MAKE OF PUMP:		GPM:	
MODEL #:		RPM:	
S/N #:		FT HD:	
SIZE:	X X	ROTATION:	
APPLICATION:		DATE:	
PARTS MISSING FROM PUMP:			
WAS PUMP SHIPPED ON A SPECIAL SKID: YES <input type="checkbox"/> NO <input type="checkbox"/>			
DID PUMP COME WITH SUCTION AND DISCHARGE GASKETS: YES <input type="checkbox"/> NO <input type="checkbox"/>			
COUPLING: YES <input type="checkbox"/> NO <input type="checkbox"/>		COUPLING GUARDS: YES <input type="checkbox"/> NO <input type="checkbox"/> TOTAL:	
COUPLING INSERT:		YES <input type="checkbox"/>	NO <input type="checkbox"/>
CPLG OVERHANGS SHAFT/SHAFT STICKS THROUGH CPLG		DISTANCE	
COUPLING CONDITION:			
INSERT CONDITION:			
EOS TO BEARING HOUSING FACE:			
EOS TO C/L OF PUMP DISCHARGE/SUCTION:		DISCHARGE:	SUCTION:

IMPELLER DIAMETER:		UNDERCUT SIZE:	
NUMBER OF IMPELLER VANES:		KEYWAY SIZE:	
BEARINGS	GREASED		
	OILED		
IMPELLER HUB FROM THRUST BEARING SHOULDER			
CENTERLINE OF IMPELLER TO THRUST BRG SHOULDER			

DISASSEMBLY HORIZONTAL SINGLE STAGE

CLEARANCE PAGE ASSEMBLY			
			CLC
CE IMPELLER RING	OD		
CE CASE RING	ID		
OB IMPELLER RING	OD		
OB CASE RING	ID		
CE STUFFING BOX BUSHING	ID		
CE SLEEVE	OD		
OB STUFFING BOX BUSHING	ID		
OB SLEEVE	OD		
CE OB LABYRINTH	ID		LIPSEAL <input type="checkbox"/> ISO <input type="checkbox"/>
SHAFT	OD		
CE IB LABYRINTH	ID		LIPSEAL <input type="checkbox"/> ISO <input type="checkbox"/>
SHAFT	OD		
OB LABYRINTH	ID		LIPSEAL <input type="checkbox"/> ISO <input type="checkbox"/>
SHAFT	OD		
COUPLING BORE	ID		
SHAFT	OD		
IMPELLER BORE	ID		
SHAFT	OD		
BEARING SLEEVE	ID		
SHAFT	OD		
TIR:	THRUST:		

		ACTUAL	ABEC SPEC
C.E. SHAFT BEARING FIT		O.D.	
O.B. SHAFT BEARING FIT		O.D.	
C.E. BEARING HOUSING		I.D.	
O.B. BEARING HOUSING		I.D.	
SHIM YES <input type="checkbox"/>	NO <input type="checkbox"/>	LOCATION	THICKNESS

DISASSEMBLY HORIZONTAL SINGLE STAGE

BEARING HOUSINGS		
SADDLE MOUNTED: YES: <input type="checkbox"/> NO: <input type="checkbox"/>		
BEARING HOUSING OD:	CE:	TE:
BEARING HOUSING SADDLE ID:	CE:	TE:
CLEARANCE:	CE:	TE:

MECHANICAL SEAL		
MANUFACTURER:		
SEAL TYPE:		
SINGLE: <input type="checkbox"/> DOUBLE: <input type="checkbox"/> TANDUM: <input type="checkbox"/> CART: <input type="checkbox"/>		
SHAFT OR SLEEVE O.D.:		
STUFFING BOX I.D.:		
STUFFING BOX DEPTH:		
STATIONARY SEAT COUNTERBORE I.D.'S		
SEAT TYPE:	O-RING: <input type="checkbox"/>	CUP MOUNT: <input type="checkbox"/> CLAMP IN: <input type="checkbox"/>
ELASTOMER	BUNA: <input type="checkbox"/>	VITON: <input type="checkbox"/> EPDM: <input type="checkbox"/>
MATERIAL OF SEAT:		
MATERIAL OF HEAD:		
WORKING HEIGHT:	CE:	TE:

DISASSEMBLY HORIZONTAL SINGLE STAGE

PACKING		
SIZE:		
ARRANGEMENT:	CE:	TE:
LANTERN RING:	YES: <input type="checkbox"/>	NO: <input type="checkbox"/>
STUFFING BOX ID:		
PACKING GLAND ID:	SHAFT OR SLEEVE OD:	CLC:
PACKING GLAND OD:	STUFFING BOX ID:	CLC:

COOLING JACKET		
CE COOLING JACKET:	CLEAN / CLEAR <input type="checkbox"/> YES <input type="checkbox"/> NO	PRESSURE TEST GOOD <input type="checkbox"/> YES <input type="checkbox"/> NO
TE COOLING JACKET:	CLEAN / CLEAR <input type="checkbox"/> YES <input type="checkbox"/> NO	PRESSURE TEST GOOD <input type="checkbox"/> YES <input type="checkbox"/> NO

**DISASSEMBLY
HORIZONTAL SINGLE STAGE**

MACHINE WORK REQUIRED

COMMENTS

FINAL ASSEMBLY HORIZONTAL SINGLE STAGE

INSPECTOR:	DATE:
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CLEARANCE PAGE ASSEMBLY

		CLC
CE IMPELLER RING	OD	
CE CASE RING	ID	
OB IMPELLER RING	OD	
OB CASE RING	ID	
CE STUFFING BOX BUSHING	ID	
CE SLEEVE	OD	
OB STUFFING BOX BUSHING	ID	
OB SLEEVE	OD	
CE OB LABYRINTH	ID	
SHAFT	OD	
CE IB LABYRINTH	ID	
SHAFT	OD	
OB LABYRINTH	ID	
SHAFT	OD	
COUPLING BORE	ID	
SHAFT	OD	
IMPELLER BORE	ID	
SHAFT	OD	
BEARING SLEEVE	ID	
SHAFT	OD	
		ACTUAL
C.E. SHAFT BEARING FIT	O.D.	
O.B. SHAFT BEARING FIT	O.D.	
C.E. BEARING HOUSING	I.D.	
O.B. BEARING HOUSING	I.D.	

FINAL ASSEMBLY HORIZONTAL SINGLE STAGE

TOTAL FLOAT	VISUAL <input type="checkbox"/>
CENTERED AT OFF C.E.	VISUAL <input type="checkbox"/>
LIFT C.E.	
SET. C.E.	
LIFT O.B.	
SET O.B.	
TOTAL THRUST	
PASS AIR TEST	YES <input type="checkbox"/> NO <input type="checkbox"/>
PSI:	HOW LONG:
CE IMPELLER RING T.I.R.	
TE IMPELLER RING T.I.R.	
CE SLEEVE T.I.R.	
TE SLEEVE T.I.R.	
CE SLEEVE NUT T.I.R.	
TE SLEEVE NUT T.I.R.	
SHAFT T.I.R.	

BEARING HOUSINGS: SADDLE MOUNTED		
BEARING HOUSING OD	CE	TE
BEARING HOUSING SADDLE ID	CE	TE
CLEARANCE	CE	TE

FINAL ASSEMBLY HORIZONTAL SINGLE STAGE

PACKING		
SIZE:		
ARRANGEMENT:	CE:	TE:
LANTERN RING:	YES: <input type="checkbox"/>	NO: <input type="checkbox"/>
STUFFING BOX ID:		
PACKING GLAND ID:	SHAFT OR SLEEVE OD:	CLC:
PACKING GLAND OD:	STUFFING BOX ID:	CLC:

COOLING JACKET		
CE COOLING JACKET:	CLEAN / CLEAR <input type="checkbox"/> YES <input type="checkbox"/> NO	PRESSURE TEST GOOD <input type="checkbox"/> YES <input type="checkbox"/> NO
TE COOLING JACKET:	CLEAN / CLEAR <input type="checkbox"/> YES <input type="checkbox"/> NO	PRESSURE TEST GOOD <input type="checkbox"/> YES <input type="checkbox"/> NO

PROPRIETARY - PROPERTY OF KENNEDY INDUSTRIES

FINAL ASSEMBLY HORIZONTAL SINGLE STAGE

FINAL ASSEMBLY NOTES

FINAL ASSEMBLY PICTURES

PROPRIETARY - PROPERTY OF KENNEDY INDUSTRIES

Pump QC List

Customer _____

Job No. _____

Shipping date _____

INIT	QC CHECK
	Holes tapped not stripped
	All nuts, bolts, and fittings are tight
	All ports have pipe plugs or fittings
	Pump is packed and adjusted finger tight
	Bearings are greased, type of grease
	Bearings need oil
	No foreign objects in suction or discharge
	Lift tag on pump
	Proper oil level is marked
	Rotation arrow installed correctly: <input type="checkbox"/> CW <input type="checkbox"/> CCW
	Kennedy tag installed
	OEM tag(s) are clean and readable
	No burrs or surface rust on motor mounts, flanges, couplings, shafts, or feet
	Base to bottom tag on pump if required
	Job number in keyway
	Blow off dust/grit
	Clean off oil stains
	All parts sent with pump:
	Manila tag with customer and job# on pump and color to be painted

DISASSEMBLY VERTICAL PUMP

JOB #:		INSPECTOR:	
CUSTOMER:		OLD KI #:	
MAKE OF PUMP:		GPM:	
MODEL #:		RPM:	
S/N #:		FT HD.:	
APPLICATION:		ROTATION:	
SIZE:		FRAME #:	

STICK UP	DISASSEMBLY
WITH ROTOR ALL THE WAY DOWN	
WITH ROTOR ALL THE WAY UP	
1 ST STAGE IMPELLER POSITION FROM END OF SHAFT TO HUB OF IMPELLER	
1 ST STAGE IMPELLER POSITION FROM END OF SHAFT TO RING FACE	

PARTS MISSING:	
COUPLING GUARDS: YES <input type="checkbox"/> NO <input type="checkbox"/> TOTAL:	
WAS PUMP SHIPPED WITH COUPLING: YES <input type="checkbox"/> NO <input type="checkbox"/>	
MANUFACTURER:	
TYPE:	
BORE SIZE:	SHAFT O.D.:
KEYWAY SIZE:	
COUPLING ADJUSTING NUT: YES <input type="checkbox"/> NO <input type="checkbox"/>	
CONDITION OF NUT:	
COLUMN GASKET: YES <input type="checkbox"/> NO <input type="checkbox"/>	COLUMN GASKET THICKNESS:
STRAINER ON PUMP: YES <input type="checkbox"/> NO <input type="checkbox"/>	

DISASSEMBLY VERTICAL PUMP

			CLC
SUCTION BOWL CASE RING	<i>ID</i>		
1 ST STAGE IMPELLER	<i>OD</i>		
2 ND STAGE CASE RING	<i>ID</i>		
2 ND STAGE IMPELLER RING	<i>OD</i>		
3 RD STAGE CASE RING	<i>ID</i>		
3 RD STAGE IMPELLER RING	<i>OD</i>		
4 TH STAGE CASE RING	<i>ID</i>		
4 TH STAGE IMPELLER RING	<i>OD</i>		
5 TH STAGE CASE RING	<i>ID</i>		
5 TH STAGE IMPELLER RING	<i>OD</i>		
6 TH STAGE CASE RING	<i>ID</i>		
6 TH STAGE IMPELLER RING	<i>OD</i>		
7 TH STAGE CASE RING	<i>ID</i>		
7 TH STAGE IMPELLER RING	<i>OD</i>		
8 TH STAGE CASE RING	<i>ID</i>		
8 TH STAGE IMPELLER RING	<i>OD</i>		
9 TH STAGE CASE RING	<i>ID</i>		
9 TH STAGE IMPELLER RING	<i>OD</i>		
10 TH STAGE CASE RING	<i>ID</i>		
10 TH STAGE IMPELLER RING	<i>OD</i>		
11 TH STAGE CASE RING	<i>ID</i>		
11 TH STAGE IMPELLER RING	<i>OD</i>		

DISASSEMBLY VERTICAL PUMP

			CLC
SUCTION BOWL BEARING	<i>ID</i>		
SHAFT	<i>OD</i>		
2 ND BOWL BEARING	<i>ID</i>		
SHAFT	<i>OD</i>		
3 RD BOWL BEARING	<i>ID</i>		
SHAFT	<i>OD</i>		
4 TH BOWL BEARING	<i>ID</i>		
SHAFT	<i>OD</i>		
5 TH BOWL BEARING	<i>ID</i>		
SHAFT	<i>OD</i>		
6 TH BOWL BEARING	<i>ID</i>		
SHAFT	<i>OD</i>		
SPYDER BEARING	<i>ID</i>		
SHAFT OR SLEEVE	<i>OD</i>		
SPYDER BEARING	<i>ID</i>		
SHAFT OR SLEEVE	<i>OD</i>		
SPYDER BEARING	<i>ID</i>		
SHAFT OR SLEEVE	<i>OD</i>		
STUFFING BOX BEARING	<i>ID</i>		
SHAFT OR SLEEVE	<i>OD</i>		
DUST COLLAR	<i>ID</i>		
SUCTION BOWL BEARING	<i>OD</i>		

DISASSEMBLY VERTICAL PUMP

			CLC
MOTOR COUPLING	<i>ID</i>		
MOTOR SHAFT	<i>OD</i>		
PUMP COUPLING	<i>ID</i>		
HEAD SHAFT	<i>OD</i>		
MOTOR COUPLING	<i>ID</i>		
ADJUSTING NUT	<i>OD</i>		
ADJUSTING NUT	<i>ID</i>		
PUMP COUPLING	<i>OD</i>		
BEARING SLEEVE	<i>ID</i>		
SHAFT	<i>OD</i>		
BEARING SLEEVE	<i>OD</i>		
SPEC			
PACKING GLAND	<i>ID</i>		
SHAFT	<i>OD</i>		
STUFFING BOX	<i>ID</i>		
PACKING GLAND	<i>OD</i>		

DISASSEMBLY VERTICAL PUMP

<u>REGISTERS</u>			CLC
SUCTION BOWL			
BOWL			
BOWL			
BOWL			
BOWL			
BOWL			
BOWL			
BOWL			
BOWL			
BOWL			
COLUMN			
COLUMN			
COLUMN			
COLUMN			
COLUMN			
COLUMN			
HEAD			
HEAD		<i>ID</i>	
STUFFING BOX		<i>OD</i>	
HEAD			
RISER			
RISER			
MOTOR			

DISASSEMBLY VERTICAL PUMP

SHAFT OR SLEEVE:	O.D.:	PACKING SIZE:	
STUFFING BOX :	I.D.:		
LANTERN RING:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	
NUMBER OF RINGS:			
PACKING STOP:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	BLEEDS BACK TO SUMP YES <input type="checkbox"/> NO <input type="checkbox"/>
PACKING ARRANGEMENT:			

MECHANICAL SEAL			
MANUFACTURER:			
SEAL TYPE:			
SINGLE: <input type="checkbox"/>	DOUBLE: <input type="checkbox"/>	TANDUM: <input type="checkbox"/>	CART: <input type="checkbox"/>
SHAFT OR SLEEVE O.D.:			
STUFFING BOX I.D.:			
STUFFING BOX DEPTH:			
STATIONARY SEAT COUNTERBORE I.D.'S			
SEAT TYPE:	O-RING: <input type="checkbox"/>	CUP MOUNT: <input type="checkbox"/>	CLAMP IN: <input type="checkbox"/>
ELASTOMER	BUNA: <input type="checkbox"/>	VITON: <input type="checkbox"/>	EPDM: <input type="checkbox"/>
MATERIAL OF SEAT:			
MATERIAL OF HEAD:			
BLEEDS BACK TO SUMP:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	

IMPELLERS				
MATERIAL:		DIAMETER:	MAJOR:	MINOR:
FACE:	OPEN: <input type="checkbox"/>	CLOSED: <input type="checkbox"/>		
DIAMETER OF UNDERCUT FRONT:				
DIAMETER OF UNERCUT REAR:				
# OF VANES:		KEYWAY SIZE:		

DISASSEMBLY VERTICAL PUMP

	IMPELLER BORE	SHAFT SIZE	CLEARANCE	INTERFERENCE
1				
2				
3				
4				
5				
6				

SHAFT TIR				
MOTOR		OD	LENGTH	REPLACE - Y / N
HEAD		OD	LENGTH	REPLACE - Y / N
INTERMEDIATE		OD	LENGTH	REPLACE - Y / N
INTERMEDIATE		OD	LENGTH	REPLACE - Y / N
INTERMEDIATE		OD	LENGTH	REPLACE - Y / N
INTERMEDIATE		OD	LENGTH	REPLACE - Y / N
INTERMEDIATE		OD	LENGTH	REPLACE - Y / N
PUMP		OD	LENGTH	REPLACE - Y / N

DISASSEMBLY VERTICAL PUMP

MOTOR RISER: YES NO LENGTH _____

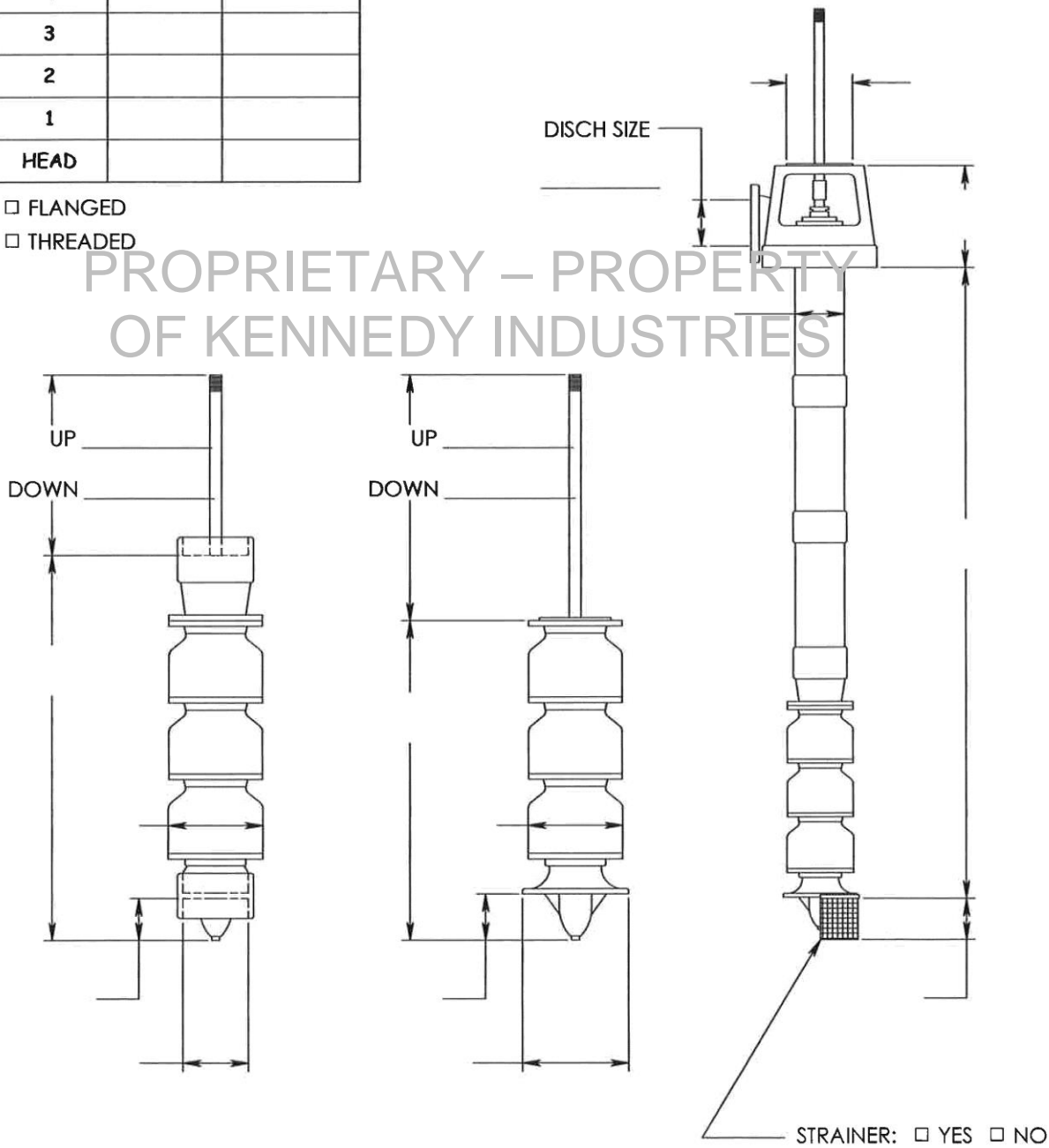
TOP COLUMN FLANGE FLUSH TO HEAD: YES NO RECESS _____

ADAPTER BOWL: YES NO LENGTH _____

COLUMN #	LENGTH	THICKNESS
4		
3		
2		
1		
HEAD		

- FLANGED
- THREADED

PROPRIETARY – PROPERTY OF KENNEDY INDUSTRIES



FINAL ASSEMBLY VERTICAL PUMP

INSPECTOR:	DATE:	
STICK UP	DISASSEMBLY	FINAL
WITH ROTOR ALL THE WAY DOWN		
WITH ROTOR ALL THE WAY UP		
1ST STAGE IMPELLER POSITION FROM END OF SHAFT TO HUB OF IMPELLER		
1ST STAGE IMPELLER POSITION FROM END OF SHAFT TO RING FACE		
BOWL ASSEMBLY		

	IMPELLER BORE	SHAFT SIZE	CLEARANCE	INTERFERENCE
1				
2				
3				
4				
5				
6				

SHAFT TIR			
MOTOR		OD	LENGTH
HEAD		OD	LENGTH
INTERMEDIATE		OD	LENGTH
INTERMEDIATE		OD	LENGTH
INTERMEDIATE		OD	LENGTH
INTERMEDIATE		OD	LENGTH
INTERMEDIATE		OD	LENGTH
PUMP		OD	LENGTH

FINAL ASSEMBLY VERTICAL PUMP

			CLC
SUCTION BOWL CASE RING	ID		
1 ST STAGE IMPELLER	OD		
2 ND STAGE CASE RING	ID		
2 ND STAGE IMPELLER RING	OD		
3 RD STAGE CASE RING	ID		
3 RD STAGE IMPELLER RING	OD		
4 TH STAGE CASE RING	ID		
4 TH STAGE IMPELLER RING	OD		
5 TH STAGE CASE RING	ID		
5 TH STAGE IMPELLER RING	OD		
6 TH STAGE CASE RING	ID		
6 TH STAGE IMPELLER RING	OD		
7 TH STAGE CASE RING	ID		
7 TH STAGE IMPELLER RING	OD		
8 TH STAGE CASE RING	ID		
8 TH STAGE IMPELLER RING	OD		
9 TH STAGE CASE RING	ID		
9 TH STAGE IMPELLER RING	OD		
10 TH STAGE CASE RING	ID		
10 TH STAGE IMPELLER RING	OD		
11 TH STAGE CASE RING	ID		
11 TH STAGE IMPELLER RING	OD		

FINAL ASSEMBLY VERTICAL PUMP

		CLC
SUCTION BOWL BEARING	ID	
SHAFT OD	OD	
2 ND BOWL BEARING	ID	
SHAFT	OD	
3 RD BOWL BEARING	ID	
SHAFT	OD	
4 TH BOWL BEARING	ID	
SHAFT	OD	
5 TH BOWL BEARING	ID	
SHAFT	OD	
6 TH BOWL BEARING	ID	
SHAFT	OD	
SPYDER BEARING	ID	
SHAFT OR SLEEVE	OD	
SPYDER BEARING	ID	
SHAFT OR SLEEVE	OD	
SPYDER BEARING	ID	
SHAFT OR SLEEVE	OD	
STUFFING BOX BEARING	ID	
SHAFT OR SLEEVE	OD	
DUST COLLAR	ID	
SUCTION BOWL BEARING	OD	

FINAL ASSEMBLY VERTICAL PUMP

			CLC
MOTOR COUPLING	<i>ID</i>		
MOTOR SHAFT	<i>OD</i>		
PUMP COUPLING	<i>ID</i>		
HEAD SHAFT	<i>OD</i>		
MOTOR COUPLING	<i>ID</i>		
ADJUSTING NUT	<i>ID</i>		
ADJUSTING NUT	<i>OD</i>		
PUMP COUPLING	<i>ID</i>		
PACKING GLAND	<i>ID</i>		
SHAFT	<i>OD</i>		
STUFFING BOX	<i>ID</i>		
PACKING GLAND	<i>OD</i>		

FINAL ASSEMBLY VERTICAL PUMP

<u>REGISTERS</u>			CLC
SUCTION BOWL	<i>OD</i>		
BOWL 1-2			
BOWL 1-2	<i>OD</i>		
BOWL 1-3	<i>ID</i>		
BOWL			
BOWL			
BOWL			
BOWL			
BOWL 2-3	<i>OD</i>		
COLUMN	<i>ID</i>		
STUFFING BOX	<i>ID</i>		
MECHANICAL SEAL	<i>OD</i>		
COLUMN			
COLUMN			
COLUMN			
HEAD			
HEAD	<i>ID</i>		
STUFFING BOX	<i>OD</i>		
HEAD			
RISER			
RISER			
MOTOR			

Pump QC List

Customer _____

Job No. _____

Shipping date _____

INIT	QC CHECK
	Holes tapped not stripped
	All nuts, bolts, and fittings are tight
	All ports have pipe plugs or fittings
	Pump is packed and adjusted finger tight
	Bearings are greased, type of grease
	Bearings need oil
	No foreign objects in suction or discharge
	Lift tag on pump
	Proper oil level is marked
	Rotation arrow installed correctly: <input type="checkbox"/> CW <input type="checkbox"/> CWW
	Kennedy tag installed
	OEM tag(s) are clean and readable
	No burrs or surface rust on motor mounts, flanges, couplings, shafts, or feet
	Base to bottom tag on pump if required
	Job number in keyway
	Blow off dust/grit
	Clean off oil stains
	All parts sent with pump:
	Manila tag with customer and job# on pump and color to be painted



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

Proposed Work Plan Attachment G: Field Service Report with Pump Check In



P.O. Box 930079 • Wixom, MI 48393
4925 Holtz Drive • Wixom, MI 48393
Phone: (248) 684-1200 • Fax: (248) 684-6011

FIELD SERVICE REPORT

D^o U-

TECHNICIAN:

CUSTOMER:

WO #:

JOB TYPE:

STATION:

WORK SCOPE AND TOOLS NEEDED:

START TIME:

WORK PERFORMED:

STATION PUT BACK IN AUTO:

OPEN ITEMS:

CAN STATIONS: CHECKED BACKUP PUMPS & FLOATS) @ ' \ y '#=-#M' V) k-#\k) 'ou' u\k' ‡ @) @/8o

CAN STATIONS: CHECKED DIALER DID YOU MEGGER CHECK THE PUMPS AND RECORD RESULTS?

CAN STATIONS: ALL BACKUP SYSTEMS WORKING yh) '") @ ' \ y yh) ° u- u=- "\U

QTY	SUPPLIES/PARTS USED OR PURCHASED:	SOURCE:	COST:	REPLACE TS?

ADDITIONAL NOTES:



712 PUMP CHECK IN
BROUGHT IN BY F.S. TECHNICIAN:

Person Checking Pump In:			Date:	
NEW KI JOB #:	FS JOB #:			
CUSTOMER NAME:				
CONTACT NAME:				
CONTACT PHONE #:			FAX #:	
CUSTOMER ADDRESS:				
LOCATION PULLED FROM:				
MARATHON ID #:				
P.O. NUMBER:				
DECO REF NO.:			STOCK NO:	
MANUFACTURER:			DISSASSEMBLY TIME:	
MODEL NUMBER:			SERIAL NO:	
PUMP DATA:	RPM:	GPM:	H.D./FT.:	HP:
PUMP TYPE:				
APPLICATION: (ASK CUSTOMER)				
TURNAROUND TIME:				
PREVIOUS KI JOB # :				
TRUCK SIZE:				



MOTOR HARDWARE	QTY	REPLACE	C&R	REPAIR	N/A
HOLD DOWN HARDWARE:	—				
SUCTION HARDWARE:	—				
DISCHARGE HARDWARE:	—				
PUMP HARDWARE:	—				
PUMP COUPLING:	—				
MOTOR COUPLING:	—				
ADJUSTING NUT:	—				
SPOOL PIECE:	—				
SUCTION GASKET:	—				
DISCHARGE GASKET:	—				
OIL PIPING:	—				
FLUSH PIPING:	—				
COOLER PIPING:	—				
GREASE PIPING:	—				
COOLERS:	—				
SUCTION GAUGE:	—				
DISCHARGE GAUGE:	—				
COUPLING SHIM PACK:	—				
COUPLING HARDWARE:	—				
COUPLING GUARDS:	—				
*C&R = CLEAN AND REUSE IF SHOP CLEANS IT AND IT IS BAD WE WILL REPLACE					
PUMP CAME IN:		DISASSEMBLED		ASSEMBLED	
PUMP NEEDS TO GO BACK		DISASSEMBLED		ASSEMBLED	
FLUSH PLAN:					
NEED NEW FILTER:		YES		NO	
NEED EXTRA FILTER:		YES		NO	
CABLE LENGTH:		CAN IT BE CUT?			
PARTS SUPPLIED BY CUSTOMER:					

E. AUTHORIZED NEGOTIATOR

- NAME: MIKE HORN
- TITLE: REPAIR CENTER MANAGER
- ADDRESS: 4925 HOLTZ DRIVE, WIXOM, MI 48393
- OFFICE: (248) 684-1200
- MOBILE: (810) 599-7019
- EMAIL: MHORN@KENNEDYIND.COM



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

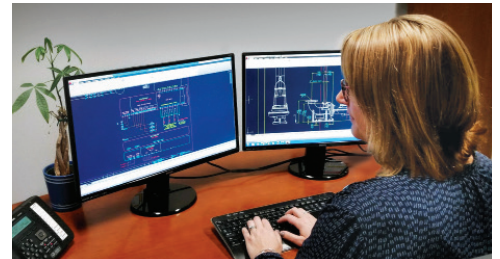
EAST MICHIGAN CALL 248-684-1200

WEST MICHIGAN CALL 616-490-1023

We're Your Single-Source for Equipment, Service and Repair

TWO LOCATIONS
TO SERVE YOU.

Kennedy's culture believes in Continuous Improvement. Continuous Improvement requires continuous investment in our facilities, equipment and personnel to ensure a Plus One experience. The result for our customers is an improvement of their entire process, not just a singular fix. As a trusted advisor, Kennedy works hard to alleviate its customers' greatest pain points, ultimately leading to true value. Our team of highly dedicated men and women are available 24/7 and will do whatever it takes to provide 100% customer satisfaction.



Repair Services

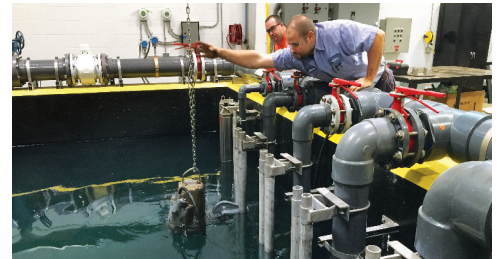
Engineered & Submersible Pump Repair
Pump/System Failure Analysis
Capability of ½ hp to 7,000 hp

Maintenance/Field Services

Pump Station Maintenance Programs
Energy Audits, Vibration Analysis
Equipment Reliability Program
Kennedy Enhanced Customer Service

Systems Design

Process, Pump Station Layout/Design
Process, Pump, Valve and Actuator Selection
Power Generation Design
Engineer Budgets and Specifications



Controls & Monitoring

PLC/SCADA Programming
Custom Controls
Station Monitoring
Energy Efficiency Monitoring

24/7 Specialty Services

Bypass Pumping
Pump Rental
Pump Alignment
Plus One Program

Training/Test Pit

Customer Training
Certified Pump Testing
Submersible Mixer Testing



www.kennedyind.com



PUMPS, VALVES & TREATMENT



XYLEM FLYGT/AC
Water & Wastewater, HVAC & Industrial Pumps, Submersible Pumps & Mixers



XYLEM GOULDS
Water & Wastewater Vertical Turbine Pumps



XYLEM LEOPOLD
Gravity Media Filtration and Clarification Solutions



XYLEM SANITAIRE
Diffused Aeration Systems



XYLEM WEDECO
UV Disinfection and Ozone Oxidation Solutions



WATSON MARLOW
Peristaltic Pumps, Tube & Hose Pump, Chemical Feed



PATTERSON PUMP
Water & Wastewater Pumps



CARRY MFG
Storm Water Pumps



CASCADE PUMP
High Volume Vertical Pumps



CARTER PUMP
Plunger Pumps



PIONEER PUMP
Portable Trash & Self-Priming Pumps



FLOWAY PUMPS
Water & Wastewater Vertical Turbine Pumps



GRISWOLD
ANSI, Submersible Turbines, End Suction & Self-Priming Pumps



VICAN
Rotary Gear Pumps



TRUMBULL
Mud Valves, Tank Relief & Valve Accessories



WATERMAN
Water Control Gates Stop Plates



SINGER VALVE
Automatic Control, Float & Surge Relief Valves



DEZURIK
Eccentric Plug, 100% Port Plug, Multiport Plug, Knife Gate, Butterfly Valves, V-Port Ball Valves



HILTON VALVE
Bonneted Knife Gate, Custom Check & Specialty Fabricated Gate Valves



JWC ENVIRONMENTAL
Muffin Monster Grinders, Screens, Treatment Equipment



KENNEDY VALVE
Gate and Check Valves



APCO
Air, Vacuum, Check Valves, AWWA Ball & Cone Valves



BRAY CONTROLS
Resilient Seat, High Performance Butterfly Valves, Automation, Silicone Free, Triple Offset Valves



BRAY COMMERCIAL
Electric & Pneumatic Control Valves, Butterfly & Zone Valves, Dampers & Actuation – for Building Automation



INLINE
Ball Valves, Multiport Valves, Automation



TEK-FLO SEVERE
Severe Duty Ball Valves



RITE-PRO
Wafer Swing Check Valves



FLOW-TEK INDUSTRIES
Ball Valves, Multiport Valves, Automation



VAF-FILTRATION SYSTEMS
Automatic Self Cleaning Filter, Cooling Tower Filters, Separators & Strainers, Pump Station Filtration



CPS PUMPS
Industrial Centrifugal Pumps

PACKAGED SYSTEMS, CONTROLS & MOTORS



TOPP INDUSTRIES
Fiberglass Pump Stations



METROPOLITAN
Packaged Booster Pump Systems & Valve Vault



PUMPCon
Wet Well Mounted Pump Stations/ Control Panels



PRIMEX CONTROLS
Liquid Level Controls/ Control Panels



OLDCASTLE PRECAST
Turnkey Package Pump Stations



ABB
Variable Speed Drives/PLC, Motors



BALDOR
Electric Motors



MULTITRODE
Liquid Level Controls & Station Manager



MISSION
Web-Based Telemetry



USEMCO
Package Pump Stations & Electrical Control Panels



KI SYSTEM MASTER
Web Based Hosted SCADA



BRAY
Rotary & Linear Valve Actuators



LIMITORQUE
Electric & Pneumatic Actuators



XYLEM GODWIN
Bypass, Dri-Prime Backup System, Dewatering

SPECIALTY PRODUCTS



GENERAL RUBBER
Rubber Expansion Joints



PSI/LINK SEAL
Link Seals & Wall Sleeves



SYNECO SYSTEMS
Dry Air Scrubbers, Odor Control



TOSHIBA
Flowmeters Density/Total Solids Meter



SQUARE D
Variable Frequency Drives



GENERATORS
Cummins & Aksa



ASCO
Automatic Transfer Switches



US COMPOSITE PIPE
Reinforced Polymer Concrete Structures

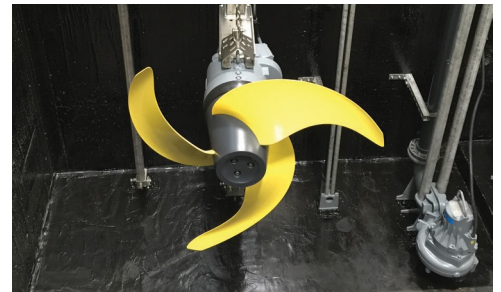
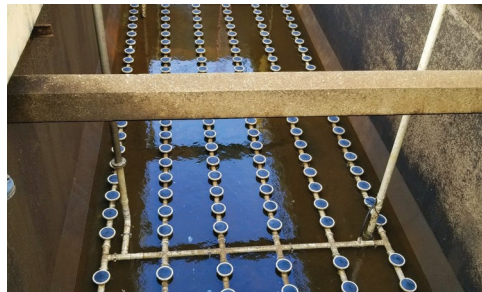


We're Your Single-Source for Process Equipment, Service and Repair

TWO LOCATIONS
TO SERVE YOU.



Kennedy's culture believes in Continuous Improvement. Continuous Improvement requires continuous investment in our facilities, equipment and personnel to ensure a Plus One experience. The result for our customers is an improvement of their entire process, not just a singular fix. As a trusted advisor, Kennedy works hard to alleviate its customers' greatest pain points, ultimately leading to true value. Our team of highly dedicated men and women are available 24/7 and will do whatever it takes to provide 100% customer satisfaction.



Water and Wastewater Treatment Equipment

Influent Pumping, Sludge Pumping RAS/WAS, Recycle Pumps, Grit Pumps, Effluent Pumps, Chemical Feed



XYLEM FLYGT/AC
Submersible Pumps & Mixers



SCHREIBER (A Parkson Company)
Archimedes Screw Pumps



PIONEER PUMP
Self Priming Pumps



CARTER PUMP
Plunger Pumps



FLOWAY PUMPS
Water & Wastewater Vertical Turbine Pumps



Fluid Technology Group

WATSON MARLOW
Peristaltic Pumps, Tube & Hose Pumps, Chemical Feed

Grinding, Screening, Septage Receiving, Grit and Grease Removal



JWC ENVIRONMENTAL
Muffin Monster Grinders, Screens, Septage Receiving



PARKSON
Articulating Rake Screens, Fine Screens, Perforated Plate Screens, Rotary Drum Screens



SCHREIBER (A Parkson Company)
Grit and Grease Removal System, Grit Classifiers

Aeration and Mixing



XYLEM FLYGT
Direct Drive Mixers, Smart Mixers, Jet Mixing



XYLEM SANITAIRE
Diffused Aeration Solutions



AERATION INDUSTRIES (A Newterra Company)
Surface Aeration Solutions



PARKSON
Biolaq Lagoon Aeration Solutions

Blowers



HARDY-PRO SYSTEMS
Custom Blower Packages



CONTINENTAL BLOWER
Centrifugal Blowers

Clarification, Thickening, Dissolved Air Flotation



HERON INNOVATORS Suspended Air Flotation



MRI, MEURER RESEARCH (A Parkson Company)
Inclined Plate Settlers, Tube Settlers, Sludge Collectors, Vertical & Horizontal Flocculators

(continued on back)



Water and Wastewater Treatment Equipment

Clarification, Thickening, Dissolved Air Flotation

(continued from front)



SCHREIBER (A Parkson Company)
Peripheral Drive Clarifiers



PARKSON
Industrial Lamella Plate Clarifiers



CLEAR-STREAM ENVIRONMENTAL
Center/ Side Feed Clarifiers

Filtration



XYLEM LEOPOLD
Gravity Media Filtration



PARKSON
Dyna Sand Filters



SCHREIBER (A Parkson Company)
Compressible Media Filtration (Fuzzy Filter)



VORTISAND (an EVOQUA Brand)
Micro Sand Water Filtration



NEWTERRA
Multimedia Filtration Solutions



FIVE STAR FILTRATION
Tertiary Filtration



FIBRACAST
Membrane Bioreactor (MBR) Membranes

UV Disinfection and Ozone Oxidation



XYLEM WEDECO
UV Disinfection and Ozone Oxidation Solutions

Tankage and Covers



TANK CONNECTIONS
Dry Bulk Storage, Liquid Storage, Aluminum Domes,
Bolted Steel Tanks



HALLSTEN
Aluminum Flat Covers



PROTECTOLITE
FRP Tank Covers, Weirs and Baffles, Launder Covers



SHELTER WORKS
Fiberglass Shelters and Custom Fiberglass Enclosures

Ion Exchange, Iron and MN Filtration, Carbon, RO



HUNGERFORD & TERRY
Pressure Filtration



HARN R/O SYSTEMS
Reverse Osmosis Systems



TIGG (A Newterra Company)
Activated Carbon Filter Equipment

Sludge Dewatering and Thickening



JWC ENVIRONMENTAL
Rotary Drum Thickening



FOURNIER
Rotary Sludge Press



ISHIGAKI
Continuous Screw Press



PHOENIX
Belt Filter Press

Sludge Dryers



GRYPHON ENVIRONMENTAL
Sludge Dryer

Digestion



THERMAL PROCESS SYSTEMS
Aerobic Digestion (50% Solids Destruction)

Biological Treatment



XYLEM SANITAIRE
ICEAS, Vorelodos, Biological Solutions
Oxidation Ditch & SBR



PARKSON
Biolac Lagoon Treatment and SBR Solutions



LEMNA
Floating Covers and Lagoon Biological Systems



AQUAPOINT
Moving Bed Biofilm Reactor (MBBR), Bioclere™, Integrated
Fixed-Film Activated Sludge (IFAS), Package Plant
Solutions

Odor Control



SYNECO SYSTEMS
Dry Air Scrubbers, Odor Control

Process Analyzers



CHEMSCAN
Process Analyzers

SCADA



KI SYSTEM MASTER
Customized SCADA Packages, Web Hosted SCADA System

F. ATTACHMENTS

Included in previous relevant sections

**ATTACHMENT A
LEGAL STATUS OF OFFEROR**

(The Respondent shall fill out the provision and strike out the remaining ones.)

The Respondent is:

- A corporation organized and doing business under the laws of the state of MICHIGAN, for whom MARK HEMEYER bearing the office title of PRESIDENT, whose signature is affixed to this proposal, is authorized to execute contracts on behalf of respondent.*

*If not incorporated in Michigan, please attach the corporation's Certificate of Authority

- ~~• A limited liability company doing business under the laws of the State of _____, whom _____ bearing the title of _____ whose signature is affixed to this proposal, is authorized to execute contract on behalf of the LLC.~~
- ~~• A partnership organized under the laws of the State of _____ and _____ filed with the County of _____, whose members are (attach list including street and mailing address for each.)~~
- ~~• An individual, whose signature with address, is affixed to this RFP.~~

Respondent has examined the basic requirements of this RFP and its scope of services, including all Addendum (if applicable) and hereby agrees to offer the services as specified in the RFP.



Date: 5/11/01

Signature

(Print) Name MARK HEMEYER Title PRESIDENT

Firm: KENNEDY INDUSTRIES, INC.

Address: 4925 HOLTZ DRIVE, WEXOM, MI 48393

Contact Phone (248) 684-1200 Fax (248) 684-6011

Email MJH@KENNEDYEND.COM

**ATTACHMENT B
CITY OF ANN ARBOR DECLARATION OF COMPLIANCE**

Non-Discrimination Ordinance

The "non discrimination by city contractors" provision of the City of Ann Arbor Non-Discrimination Ordinance (Ann Arbor City Code Chapter 112, Section 9:158) requires all contractors proposing to do business with the City to treat employees in a manner which provides equal employment opportunity and does not discriminate against any of their employees, any City employee working with them, or any applicant for employment on the basis of actual or perceived age, arrest record, color, disability, educational association, familial status, family responsibilities, gender expression, gender identity, genetic information, height, HIV status, marital status, national origin, political beliefs, race, religion, sex, sexual orientation, source of income, veteran status, victim of domestic violence or stalking, or weight. It also requires that the contractors include a similar provision in all subcontracts that they execute for City work or programs.


In addition the City Non-Discrimination Ordinance requires that all contractors proposing to do business with the City of Ann Arbor must satisfy the contract compliance administrative policy adopted by the City Administrator. A copy of that policy may be obtained from the Purchasing Manager

The Contractor agrees:

- (a) To comply with the terms of the City of Ann Arbor's Non-Discrimination Ordinance and contract compliance administrative policy.
- (b) To post the City of Ann Arbor's Non-Discrimination Ordinance Notice in every work place or other location in which employees or other persons are contracted to provide services under a contract with the City.
- (c) To provide documentation within the specified time frame in connection with any workforce verification, compliance review or complaint investigation.
- (d) To permit access to employees and work sites to City representatives for the purposes of monitoring compliance, or investigating complaints of non-compliance.

The undersigned states that he/she has the requisite authority to act on behalf of his/her employer in these matters and has offered to provide the services in accordance with the terms of the Ann Arbor Non-Discrimination Ordinance. The undersigned certifies that he/she has read and is familiar with the terms of the Non-Discrimination Ordinance, obligates the Contractor to those terms and acknowledges that if his/her employer is found to be in violation of Ordinance it may be subject to civil penalties and termination of the awarded contract.

KENNEDY INDUSTRIES, INC.
Company Name

 5/11/21
Signature of Authorized Representative Date

MARK HEMEYER (PRESIDENT)
Print Name and Title

4925 HOLTZ DRIVE, WEXOM, NC 27893
Address, City, State, Zip

(248) 684-1200 / M.H@KENNEDYEND.COM
Phone/Email address

Questions about the Notice or the City Administrative Policy, Please contact:
Procurement Office of the City of Ann Arbor
(734) 794-6500



ATTACHMENT D

VENDOR CONFLICT OF INTEREST DISCLOSURE FORM

All vendors interested in conducting business with the City of Ann Arbor must complete and return the Vendor Conflict of Interest Disclosure Form in order to be eligible to be awarded a contract. Please note that all vendors are subject to comply with the City of Ann Arbor's conflict of interest policies as stated within the certification section below.

If a vendor has a relationship with a City of Ann Arbor official or employee, an immediate family member of a City of Ann Arbor official or employee, the vendor shall disclose the information required below.

1. No City official or employee or City employee's immediate family member has an ownership interest in vendor's company or is deriving personal financial gain from this contract.
2. No retired or separated City official or employee who has been retired or separated from the City for less than one (1) year has an ownership interest in vendor's Company.
3. No City employee is contemporaneously employed or prospectively to be employed with the vendor.
4. Vendor hereby declares it has not and will not provide gifts or hospitality of any dollar value or any other gratuities to any City employee or elected official to obtain or maintain a contract.
5. Please note any exceptions below:

Conflict of Interest Disclosure*	
Name of City of Ann Arbor employees, elected officials or immediate family members with whom there may be a potential conflict of interest.	<input type="checkbox"/> Relationship to employee <input type="checkbox"/> Interest in vendor's company <input type="checkbox"/> Other (please describe in box below)
NONE	

*Disclosing a potential conflict of interest does not disqualify vendors. In the event vendors do not disclose potential conflicts of interest and they are detected by the City, vendor will be exempt from doing business with the City.

I certify that this Conflict of Interest Disclosure has been examined by me and that its contents are true and correct to my knowledge and belief and I have the authority to so certify on behalf of the Vendor by my signature below:		
KENNEDY INDUSTRIES, INC	(248) 684-1200	
Vendor Name	Vendor Phone Number	
	5/11/21	MARK HEMEYER
Signature of Vendor Authorized Representative	Date	Printed Name of Vendor Authorized Representative

