



The Pacific Pipeline

The Monthly Newsletter of Pacific Pump and Power

February 2013

License# C-32223

Rental • Sales • Service • Operations

Keeping H Power (Covanta Energy) Running!

What Happened:

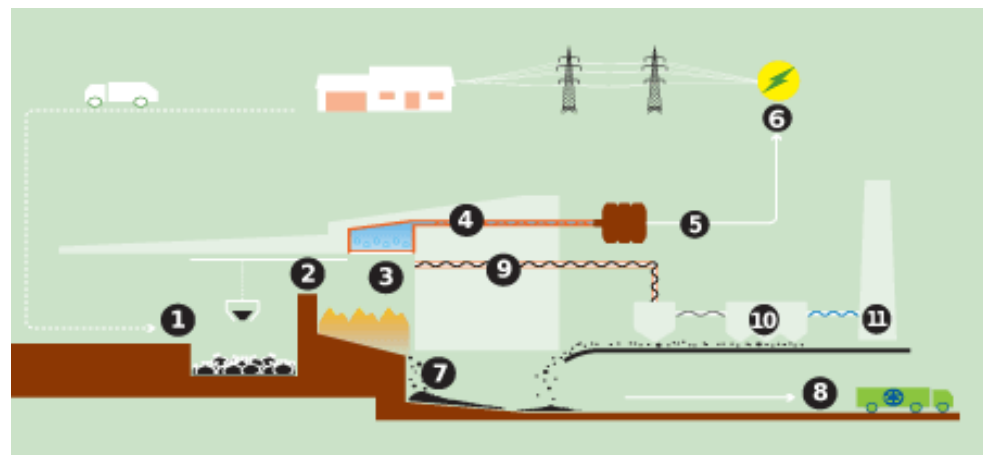
One of the two 10,000 GPM (14.4 Million Gallons Per Day) circulation pumps had a critical failure at H Power.

Why That Pump Is Critical:

Municipal waste is burned which heats water, the water turns to steam which turns turbines that create power. The steam is directed through a condenser which is a heat exchanger that turns the steam back to water so that it can be used again. The heat exchanger is cooled by water that cycles between the heat exchanger and a large cooling tower. The pump that failed is used to transfer water from the Cooling tower to the condenser. Without it the heat exchanger would overheat and the whole power generation process would stop.

What We Did:

PPP worked into the weekend to install four 8" CD225M Critically Silenced Diesel Dri-Prime pumps to bypass the broken pump. This required a large manifold, piping, valves, hoses and fittings which fortunately we had in stock in our Campbell industrial yard just a mile or so away.



How Can You Make Energy-from-Waste?

1. Municipal waste is delivered to our facilities and stored in a bunker.
2. The waste is transferred to a combustion chamber where self-sustaining combustion is maintained at extremely high temperatures. We maintain the building around the tipping and bunker area under negative pressure and use this air in the combustion process to control odor.
3. The heat from the combustion process boils water.
4. & 5. The steam from the boiling water is used directly, or more frequently, the steam drives a turbine that generates electricity.
6. Electricity is distributed to the local grid.
7. Ash from combustion is processed to extract metal for recycling. It is then combined with residue from the air pollution control process (see items 9 and 10).
8. The combined ash is either disposed of in a monofill (where only ash is stored) that receives only that waste, used as cover material at a conventional landfill, or landfilled with other waste.
9. All gases are collected, filtered and cleaned before being emitted into the atmosphere. We manage gas from the combustion process with state-of-the-art air pollution control technology that operates to state and federal standards.
10. We control emissions of particulate matter primarily through a baghouse (fabric filter).
11. We monitor criteria and other pollutants and operating parameters to ensure compliance with permit conditions.

Source <http://www.covantaenergy.com/what-we-do/energy-from-waste.aspx>



Call today at 672-8198 or visit us at Campbell Industrial: 91-503 Nukuawa Street, Kapolei



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Pump Type	Quantity Available	Pump Model and Description
Oahu Yard		
Godwin Dri-Prime CD Series Pumps, High Volume, Medium Head, Large Solids-Handling Capabilities	51 AVAILABLE	<ul style="list-style-type: none"> DPC300 12" Diesel, up to 5000 gpm or up to 115' of head DPC300 12" Electric, up to 4000 gpm or up to 115' of head CD225M 8" Diesel, up to 3100 gpm or up to 183' of head CD225M 8" Electric, up to 3100 gpm or up to 175' of head CD150M 6" Diesel, up to 1700 gpm or up to 160' of head CD103M 4" Diesel, up to 1000 gpm or up to 170' of head CD100M 4" Diesel, up to 750 gpm or up to 115' of head CD80M 3" Diesel, up to 450 gpm or up to 93' of head
Godwin HL Series, High Head Pumps with Solids-Handling Capabilities	5 AVAILABLE	<ul style="list-style-type: none"> HL150M 6" Diesel, up to 1450 gpm or up to 500' of head HL80M, 3" Diesel, up to 450 gpm or up to 325' of head
Godwin Heidra Hydraulic Submersibles	6 AVAILABLE	<ul style="list-style-type: none"> HS150VSG 6", Diesel, up to 1600 gpm or up to 160' of head HS150V 6", Diesel, up to 1600 gpm or up to 160' of head HS100TD 4", Diesel, up to 800 gpm or up to 130' of head HS80HH 3", Diesel, up to 420 gpm or up to 125' of head
Electric Submersibles	21 AVAILABLE	<ul style="list-style-type: none"> Godwin GSP600SV, 8", up to 3650 gpm or up to 82' of head Godwin GSP160HV, 6", up to 1200 gpm or up to 115' of head Godwin GSP55, 4", up to 550 gpm or up to 75' of head Stancor SSS-100, 2" Stainless, 100 gpm or up to 60' of head Stancor SSS-75, 2" Stainless, 80 gpm or up to 40' of head Stancor SV-50, 2" Stainless, 80 gpm or up to 40' of head Flygt Ready 8S, 2" Submersible, 80 gpm or up to 35' of head Flygt 2740 SS sludge series 244HT, 210 gpm or up to 80' of head Flygt 2740 SS drainage series B267 HT, 210 gpm or up to 150' of head
Wet-Prime Gas Trash Pumps	14 AVAILABLE	<ul style="list-style-type: none"> WT40X 4" up to 430gpm or up to 92' of head Godwin GTP50HX 2" up to 185 gpm or up to 98' of head Godwin GTP80HX, 3" up to 355gpm or up to 90' of head Godwin GTP100HX, 4" up to 430 gpm or up to 92' of head Multiquip QP4TH 4" up to 555 gpm or 92' of head
Versamatic Diaphragm Pumps	5 AVAILABLE	<ul style="list-style-type: none"> Versamatic Air Operated E3, 3", up to 260 gpm Versamatic Air Operated E2, 2", up to 155 gpm
Godwin Power Diesel Generator Sets	1 AVAILABLE	<ul style="list-style-type: none"> 26kW-R Series, Critically Silenced
Gasoline Generator Sets	2 AVAILABLE	<ul style="list-style-type: none"> 3000 Watt, Portable Honda Quiet Model 2000 Watt, Portable Honda Quiet Model
Godwin Portable Light Towers	3 AVAILABLE	<ul style="list-style-type: none"> GLT 416, 4000 Watts, Coverage of 5-7 acres
LWT Pit Hog Dredge	1 AVAILABLE	<ul style="list-style-type: none"> 40HP Electric Submersible Remote Control Dredge
Road Ramp Crossings	8 AVAILABLE	<ul style="list-style-type: none"> 4", 6", 8" and 12" Road Ramps Crossings
Air Compressor	1 AVAILABLE	<ul style="list-style-type: none"> Ingersoll Rand 250 CFM air compressor with pneumatic hose reel
Freight Liner Water Truck	1 AVAILBALE	<ul style="list-style-type: none"> 2000 Gallon
Sewer Equipment Co. Jetter	1 AVAILABLE	<ul style="list-style-type: none"> 2000psi 60gpm, Portable Trailer Mounted Jetter
Hydraulic Hoses	800 FEET	<ul style="list-style-type: none"> 1/4", 1/2", 3/4" and 1" Hydraulic Hose with Couplers
Heavy Duty Hoses	8000 FEET	<ul style="list-style-type: none"> 2", 3", 4", 6", 8", and 12" Heavy Duty Suction and Discharge Hose Available with Quick Disconnect Fittings
Bauer Light Weight, Quick Disconnect Pipe	10000 FEET	<ul style="list-style-type: none"> 4", 6", 8", and 12" Bauer Light Weight Quick Disconnect Pipe in 10' and 20' Lengths
Pump Accessories	4000 IN STOCK	<ul style="list-style-type: none"> Bauer and Camlock Fittings from 2-12" Available
HDPE Pipes and Fittings	2400 FEET	<ul style="list-style-type: none"> 18" DR 26 and 18" DR 32.5 HDPE Pipe 12" DR11 HDPE Pipe 12", 14" 18", 24" HDPE Fittings
Pump Parts	1200 IN STOCK	<ul style="list-style-type: none"> Common Wear Parts for all Pumps Already in Stock
Pipe Plugs	37 AVAILABLE	<ul style="list-style-type: none"> 4-8", 6", 8-12", 12-18", 18-24", 15-30", 24-36" and 24-42", 24-48", 84" with Protective Sleeves and Poly-Lift Line Inflators
McElroy Fusion Machines	7 AVAILABLE	<ul style="list-style-type: none"> T500 II fuses 6-20" HDPE, T900 fuses 12-36" HDPE PitBull 26 fuses 2-6" HDPE, 2LC fuses 1/2-2", Pitbull 14 fuses 1-4"
McElroy Parts	60 In STOCK	<ul style="list-style-type: none"> Assorted parts and inserts
Maui Yard		
Godwin Dri-Prime CD Series Pumps, High Volume Medium Head, Large Solids-Handling Capabilities	2 AVAILABLE	<ul style="list-style-type: none"> CD150M 6" Diesel, up to 1700 gpm or up to 160' of head
Bauer Light Weight, Quick Disconnect Pipe	400 FEET	<ul style="list-style-type: none"> 6" Bauer Light Weight Quick Disconnect Pipe in 10' and 20' Lengths 8" Bauer Light Weight Quick Disconnect Pipe in 10' and 20' Lengths
Heavy Duty Hoses	40 FEET	<ul style="list-style-type: none"> 6" Heavy Duty Suction Hoses Available with Quick Disconnect Fittings
Road Ramp Crossings	1 AVAILABLE	<ul style="list-style-type: none"> 6" Road ramp crossing
Gasoline Generator Sets	1 AVAILABLE	<ul style="list-style-type: none"> 2000 Watt, Portable Honda Quiet Model



The Pacific Pump and Power Team: Mana, Eric, Paul, Kristin, Jeremy, Hoku, Kamaka, Marc, Arlo. (Kai'mi, A'olona, Rhussell, Carl and Luke were not able to be there for the picture)

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