Facility Name
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
CHELATED MINERALS CORP (BALCHEM CORP)
TECTON PRODUCTS LLC (MARVIN LUMBER & CEDAR CO)
TTM TECHNOLOGIES INC (TTM TECHNOLOGIES INC)
THATCHER CO (THATCHER CO)
MICRO MOTION INC (EMERSON ELECTRIC CO)
O'NEAL MANUFACTURING SERVICES (O'NEAL STEEL INC)
HEXCEL CORP (HEXCEL CORP)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
HEXCEL CORP (HEXCEL CORP)
WOODWARD INC (WOODWARD INC)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
AVAGO TECHNOLOGIES INC FORT COLLINS COLORADO (BROADCOM LTD)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
ULTRAMAX AMMUNITION (NA)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
AZZ GALVANIZING -DENVER (AZZ INC)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
BOULDER SCIENTIFIC CO MEAD FACILITY (BOULDER SCIENTIFIC CO)
INNOPHOS NUTRITION NORTH SALT LAKE (INNOPHOS INC)
AUTOLIV ASP INC (AUTOLIV INC)
BASALITE (PACIFIC COAST BUILDING PRODUCTS)
CERRO WIRE LLC (BERKSHIRE HATHAWAY INC)
HANKINSON RENEWABLE ENERGY LLC (GUARDIAN ENERGY MANAGEMENT LLC)
DESIGN TANKS LLC (NA)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
GATES CORP (GATES CORP)
SHOWPLACE WOOD PRODUCTS (SHOWPLACE WOOD PRODUCTS)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
FORTERRA CONCRETE PRODUCTS - MENOKEN (FORTERRA INC)
SMITHFIELD PACKAGED MEATS CORP - SIOUX FALLS (UNITED GLOBAL FOODS US HOLDINGS INC)
UNICIRCUIT INC (ANAREN INC)
TTM TECHNOLOGIES INC (TTM TECHNOLOGIES INC)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
VISHAY-DALE ELECTRONICS (VISHAY INTERTECHNOLOGY INC)
NUCOR CORP VULCRAFT DIV (NUCOR CORP)
KLUNE INDUSTRIES INC (BERKSHIRE HATHAWAY INC)
FORTERRA CONCRETE PRODUCTS - BILLINGS (FORTERRA INC)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
NUCOR CORP VULCRAFT DIV (NUCOR CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
BOULDER SCIENTIFIC CO MEAD FACILITY (BOULDER SCIENTIFIC CO)
WYOMING REFINING CO (PAR PACIFIC)
SHOWPLACE WOOD PRODUCTS (SHOWPLACE WOOD PRODUCTS)

Address
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
3310 WEST 900 SOUTH, SALT LAKE CITY,UT 84104
4401 15TH AVE N, FARGO,ND 58102
710 N 600 W, LOGAN,UT 84321
1905 FORTUNE RD, SALT LAKE CITY,UT 84104
7070 WINCHESTER CIR, BOULDER,CO 80301
319 LOCKHEED ST, PUEBLO,CO 81001
31815 GREAT WESTERN DRIVE, WINDSOR,CO 80550
100 TOWERS ROAD, PUEBLO,CO 81004
31815 GREAT WESTERN DRIVE, WINDSOR,CO 80550
1000 E DRAKE RD, FORT COLLINS,CO 80525
100 TOWERS ROAD, PUEBLO,CO 81004
100 TOWERS ROAD, PUEBLO,CO 81004
4380 ZIEGLER RD, FORT COLLINS,CO 80525
100 TOWERS ROAD, PUEBLO,CO 81004
2112 ELK VALE RD, RAPID CITY,SD 57701
100 TOWERS ROAD, PUEBLO,CO 81004
4400 E 61ST AVE, COMMERCE CITY,CO 80022
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
598 THIRD ST, MEAD,CO 80542
680 N 700 W, NORTH SALT LAKE,UT 84054
1360 N 1000 W, TREMONTON,UT 84337
4900 RACE ST, DENVER,CO 80216
1160 W 2150 N, OGDEN,UT 84404
9230 COUNTY RD 1, HANKINSON,ND 58041
612 W BLACKHAWK ST, SIOUX FALLS,SD 57104
48450 144TH ST, BIG STONE CITY,SD 57216
700 E REDWOOD BLVD, BRANDON,SD 57005
1 ENTERPRISE ST, HARRISBURG,SD 57032
48450 144TH ST, BIG STONE CITY,SD 57216
1101 158TH ST NE, MENOKEN,ND 58558
1400 N WEBER AVE, SIOUX FALLS,SD 57117
8192 S PARK LN, LITTLETON,CO 80120
710 N 600 W, LOGAN,UT 84321
48450 144TH ST, BIG STONE CITY,SD 57216
1505 E HWY 50, YANKTON,SD 57078
1875 W HWY 13, BRIGHAM CITY,UT 84302
1800 N 300 W, SPANISH FORK,UT 84660
1521 S 32ND ST W, BILLINGS,MT 59102
48450 144TH ST, BIG STONE CITY,SD 57216
1875 W HWY 13, BRIGHAM CITY,UT 84302
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
48450 144TH ST, BIG STONE CITY,SD 57216
598 THIRD ST, MEAD,CO 80542
10 STAMPEDE ST, NEWCASTLE,WY 82701
1 ENTERPRISE ST, HARRISBURG,SD 57032

Chemical Name
Polycyclic Aromatic Compounds
Copper Compounds
Styrene
Formic Acid
Chlorine
Chromium
Manganese
N-Methyl-2-Pyrrolidone
Manganese
Diuron
Chromium
Ethylbenzene
N-Butyl Alcohol
N-Methyl-2-Pyrrolidone
Xylene (Mixed Isomers)
Lead
Zinc (Fume Or Dust)
Zinc Compounds
1,3-Butadiene
Pyridine
Zinc Compounds
N-Hexane
Mercury
Copper
Methanol
Styrene
Lead Compounds
Lead
N-Butyl Alcohol
Barium Compounds
Lead
Ammonia
Lead Compounds
Certain Glycol Ethers
Vanadium Compounds
Copper
Lead
Nitric Acid
Lead
Manganese Compounds
Nickel Compounds
Hydrogen Cyanide
Mercury Compounds
Dichloromethane
Ethylene
Xylene (Mixed Isomers)

Industry
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing
311119: Other Animal Food Manufacturing
326199: All Other Plastics Product Manufacturing
334412: Bare Printed Circuit Board Manufacturing
325180: Other Basic Inorganic Chemical Manufacturing
334514: Totalizing Fluid Meter and Counting Device Manufacturing
332999: All Other Miscellaneous Fabricated Metal Product Manufacturing
325211: Plastics Material and Resin Manufacturing
332312: Fabricated Structural Metal Manufacturing
325211: Plastics Material and Resin Manufacturing
333618: Other Engine Equipment Manufacturing
332312: Fabricated Structural Metal Manufacturing
332312: Fabricated Structural Metal Manufacturing
334413: Semiconductor and Related Device Manufacturing
332312: Fabricated Structural Metal Manufacturing
332993: Ammunition (except Small Arms) Manufacturing
332312: Fabricated Structural Metal Manufacturing
332812: Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing
325199: All Other Basic Organic Chemical Manufacturing
325411: Medicinal and Botanical Manufacturing
336390: Other Motor Vehicle Parts Manufacturing
327331: Concrete Block and Brick Manufacturing
331420: Copper Rolling, Drawing, Extruding, and Alloying
325193: Ethyl Alcohol Manufacturing
326199: All Other Plastics Product Manufacturing
221112: Fossil Fuel Electric Power Generation
332912: Fluid Power Valve and Hose Fitting Manufacturing
337110: Wood Kitchen Cabinet and Countertop Manufacturing
221112: Fossil Fuel Electric Power Generation
327390: Other Concrete Product Manufacturing
311611: Animal (except Poultry) Slaughtering
334412: Bare Printed Circuit Board Manufacturing
334412: Bare Printed Circuit Board Manufacturing
221112: Fossil Fuel Electric Power Generation
334416: Electronic Coil, Transformer, and Other Inductor Manufacturing
332312: Fabricated Structural Metal Manufacturing
332813: Electroplating, Plating, Polishing, Anodizing, and Coloring
327390: Other Concrete Product Manufacturing
221112: Fossil Fuel Electric Power Generation
332312: Fabricated Structural Metal Manufacturing
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing
221112: Fossil Fuel Electric Power Generation
325199: All Other Basic Organic Chemical Manufacturing
324110: Petroleum Refineries
337110: Wood Kitchen Cabinet and Countertop Manufacturing

Prior Year Release *	Current Year Release *	Percent Change
37.2	0	-100%
192	13	-93.23%
18,837.30	1,769.70	-90.61%
177	19	-89.27%
1,123.00	181	-83.88%
24	5	-79.17%
129	32.3	-74.96%
941	250	-73.43%
313,407.00	90,848.00	-71.01%
502	176	-64.94%
0.28	0.1	-64.29%
12,179.00	4,591.00	-62.30%
18,908.00	7,301.00	-61.39%
72,614.64	28,286.20	-61.05%
55,005.00	27,381.00	-50.22%
1	0.5	-50%
500	250	-50%
10,268.72	5,286.50	-48.52%
11	6	-45.45%
184	105	-42.93%
4,593.33	2,737.67	-40.40%
4,134.00	2,480.00	-40.01%
0.0005	0.0003	-40%
5	3.06	-38.80%
5,225.66	3,285.48	-37.13%
41,674.00	26,968.00	-35.29%
6,156.47	4,087.20	-33.61%
0.02	0.01	-33.33%
10,020.90	6,820.00	-31.94%
683,838.00	466,866.00	-31.73%
0.1	0.07	-28.73%
91,421.00	65,215.70	-28.66%
16.5	11.92	-27.76%
10,815.32	7,821.60	-27.68%
23,080.00	16,912.00	-26.72%
0.85	0.63	-25.88%
161.38	119.97	-25.66%
1,010.00	755	-25.25%
0.04	0.03	-25.07%
27,001.00	20,366.00	-24.57%
336.12	254.11	-24.40%
530.65	404.1	-23.85%
185.21	143.1	-22.73%
2,520.00	1,964.00	-22.06%
22.79	17.86	-21.63%
41,215.00	32,768.00	-20.49%

Pollution Prevention Information (Activity Codes/Text/[Reduction])
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized tl
Source Reduction: W19: Other changes in operating practices - Product produced in other location
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - reduced shu
Source Reduction: W84: Developed a new chemical product to replace previous chemical product - The majority of formi
Source Reduction: W58: Other process modifications - Installation of eduction system Source Reduction: Source Reducti
Other Environmental Practices: Recycling - The facility actively recycles or reprocess material to minimize the impact to t
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures - The facility implemented a c
Source Reduction: W19: Other changes in operating practices - Reduced Production Methods to Identify SR Opportunitie
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-5-14%] - Improved preventati
Source Reduction: W29: Other changes in inventory control - Changes in production.
Other Environmental Practices: Recycling - All scrap metals provided to metal recyclerSource Reduction: Methods for Ide
Source Reduction: W19: Other changes in operating practices[-0-4%] - Modifications to the paint spray system to improve
Source Reduction: W19: Other changes in operating practices[-0-4%] - Modifications to the paint spray system to improve
Other Environmental Practices: Waste Treatment - Air emission emissions reduced by installation of additional VOC abat
Source Reduction: W19: Other changes in operating practices[-0-4%] - Modifications to the paint spray system to improve
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures - We trained a new employee
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%] - Improved PM's on ba
Other Environmental Practices: Recycling - This facility is reporting greater releases of zinc compounds. The increase resu
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized tl
Source Reduction: Source Reduction - pyridine is vented to scrubber and converted to the chloride salt, dissolved in wate
Other Environmental Practices: General Environmental Management - We use dust collection including cyclones and bag
Source Reduction: W89: Other product modifications[-25-49%] - Replacing dry pyrotechnic manufacturing which involves
Other Environmental Practices: General Environmental Management - place rock sock at inlets of storm drains.
Source Reduction: W19: Other changes in operating practices - Reduced low volume products to reduce waste caused ch
Other Environmental Practices: Recycling - The amount recycled is the difference between the amount produced and the
Source Reduction: W21: Instituted procedures to ensure that materials do not stay in inventory beyond - Document and
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Source Reduction: W82: Modified design or composition of product[-50-99%] - Switched from 12L14 steel to lead free 12
Source Reduction: W19: Other changes in operating practices
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.
Source Reduction: W39: Other spill or leak prevention - PSM program and piping, and insulation
Other Environmental Practices: Recycling - Unicircuit reclaims all of its Tin/Lead solder dross through its supplier. In addi
Source Reduction: W52: Modified equipment, layout, or piping[-50-99%] - In the Outerlayer Process we have changed fro
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: Recycling - Efforts continue to recycle iron powder used in the manufacturing process.
Other Environmental Practices: Recycling - Larger amount of steel scrap produced in 2017 required further processing pr
Other Environmental Practices: General Environmental Management - Tracking usage and disposal to ensure we are ma
Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: Recycling - Larger amount of steel scrap produced in 2017 required further processing pr
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized tl
Other Environmental Practices: Waste Treatment - An activated carbon injection system has been installed at the facility
Source Reduction: W56: Reduced or eliminated use of an organic solvent[-25-49%] - Substituted a less hazardous solvent
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W19: Other changes in operating practices

P2 Report
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ADVANCED FORMING TECHNOLOGY (ARC GROUP WORLDWIDE INC)
NUCOR CORP VULCRAFT DIV (NUCOR CORP)
FORTERRA CONCRETE PRODUCTS - HELENA (FORTERRA INC)
FORTERRA CONCRETE PRODUCTS - RAPID CITY (FORTERRA INC)
ASAHI REFINING USA INC (NA)
BASALITE (PACIFIC COAST BUILDING PRODUCTS)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
AZZ GALVANIZING -DENVER (AZZ INC)
PHILLIPS 66 CO DENVER TERMINAL (PHILLIPS 66 CO)
HANKINSON RENEWABLE ENERGY LLC (GUARDIAN ENERGY MANAGEMENT LLC)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
SHOWPLACE WOOD PRODUCTS (SHOWPLACE WOOD PRODUCTS)
SABIN METAL WEST CORP (SABIN METAL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
CORIXA CORP D/B/A GLAXOSMITHKLINE VACCINES - HAMILTON (GLAXOSMITHKLINE LLC)
MATHESON TRIGAS LONGMONT CO BRANCH (TAIYO NIPPON SANSO USA INC)
FORTERRA STRUCTURAL SPECIALTY PRODUCTS - WEST VALLEY (FORTERRA INC)
WYOMING REFINING CO (PAR PACIFIC)
QUALITY STEEL CORP OF MS (QUALITY STEEL CORP)
ADVANCED ENERGY INDUSTRIES INC (NA)
BASALITE CONCRETE PRODUCTS LLC (PACIFIC COAST BUILDING PRODUCTS)
BASIN TRANSLOAD_STAMPEDE BULK STORAGE (BASIN TRANSLOAD)
FCT COS INC (NA)
HEXCEL CORP (HEXCEL CORP)
HOH WATER TECHNOLOGY INC (HOH WATER TECHNOLOGY INC)
PARKSITE TREATING FACILITY FARGO (PARKSITE INC)
PARKSITE TREATING FACILITY FARGO (PARKSITE INC)
SPARTON ONYX LLC (SPARTON CORP)
THATCHER CO (THATCHER CO)
TWIN CITY DIE CASTINGS CO - WATERTOWN DIV (TWIN CITY DIE CASTINGS CO)
U.S. ARMY TOOELE ARMY DEPOT (US DEPARTMENT OF DEFENSE)
VESTAS BLADES AMERICA INC BRIGHTON (VESTAS BLADES AMERICA INC)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
KLOPPENBERG & CO (NA)
BRODY CHEMICAL (NA)
TRAIL KING INDUSTRIES INC (TEEKAY ACQUISITIONS S LLC)
TRAIL KING INDUSTRIES INC (TEEKAY ACQUISITIONS S LLC)
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TRAIL KING INDUSTRIES INC (TEEKAY ACQUISITIONS S LLC)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)

7040 WELD COUNTY RD 20, LONGMONT,CO 80504
1875 W HWY 13, BRIGHAM CITY,UT 84302
2001 N BENTON AVE, HELENA,MT 59601
1601 CULVERT STREET, RAPID CITY,SD 57701
4601 W 2100 S -, WEST VALLEY CITY,UT 84120
4900 RACE ST, DENVER,CO 80216
48450 144TH ST, BIG STONE CITY,SD 57216
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
4400 E 61ST AVE, COMMERCE CITY,CO 80022
3960 E 56TH AVE, COMMERCE CITY,CO 80022
9230 COUNTY RD 1, HANKINSON,ND 58041
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
1 ENTERPRISE ST, HARRISBURG,SD 57032
15 12TH AVE E, WILLISTON,ND 58801
6240 13TH ST SW, BEULAH,ND 58523
553 OLD CORVALLIS RD, HAMILTON,MT 59840
1861 LEFTHAND CIR, LONGMONT,CO 80501
6087 W 5400 S, WEST VALLEY CITY,UT 84118
10 STAMPEDE ST, NEWCASTLE,WY 82701
5520 W OLD BINGHAM HWY, WEST JORDAN,UT 84081
2424 MIDPOINT DR, FORT COLLINS,CO 80525
3255 DRENNAN RD, COLORADO SPRINGS,CO 80910
10154 93RD AVE, COLUMBUS,ND 58727
1309 N 17TH AVE, GREELEY,CO 80631
31815 GREAT WESTERN DRIVE, WINDSOR,CO 80550
2008 N WESTPORT AVE, SIOUX FALLS,SD 57107
115 31ST ST S, FARGO,ND 58103
115 31ST ST S, FARGO,ND 58103
2920 KELLY AVE, WATERTOWN,SD 57201
1905 FORTUNE RD, SALT LAKE CITY,UT 84104
122 CESSNA ST NW, WATERTOWN,SD 57201
ATTN: JMTE-GME 1 TOOELE ARMY DEPOT BLDG 501, TOOELE,UT 840745003
1500-B E CROWN PRINCE BLVD, BRIGHTON,CO 80603
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
2627 W OXFORD AVE, SHERIDAN,CO 80110
6125 W DOUBLE EAGLE CIR, SALT LAKE CITY,UT 84118
2200 S OHLMAN ST, MITCHELL,SD 57301
2200 S OHLMAN ST, MITCHELL,SD 57301
2200 S OHLMAN ST, MITCHELL,SD 57301
2200 S OHLMAN ST, MITCHELL,SD 57301
2130 3RD AV NW, WEST FARGO,ND 58078
2130 3RD AV NW, WEST FARGO,ND 58078
2130 3RD AV NW, WEST FARGO,ND 58078
2130 3RD AV NW, WEST FARGO,ND 58078
217 DELL RANGE BLVD., CHEYENNE,WY 82009

Trichloroethylene
Manganese Compounds
Lead
Lead
Zinc Compounds
Lead
Ammonia
Toluene
Lead
1,2,4-Trimethylbenzene
Acetaldehyde
Xylene (Mixed Isomers)
Benzene
Toluene
Lead Compounds
Vanadium Compounds
Chloroform
Hydrogen Fluoride
Lead
Methanol
Manganese
Lead
Mercury
Propylene
Lead
Copper
Sodium Nitrite
Arsenic
Chromium Compounds(Except Chromite Ore Mined In The Transvaal Region)
Lead Compounds
Nitrate Compounds
Copper
Lead Compounds
Diisocyanates
Ethylene
Propylene
Chromium
Certain Glycol Ethers
Manganese
Nickel
Chromium
Copper
Manganese
Nickel
Chromium
Copper
Naphthalene

332117: Powder Metallurgy Part Manufacturing
332312: Fabricated Structural Metal Manufacturing
327390: Other Concrete Product Manufacturing
327390: Other Concrete Product Manufacturing
331410: Nonferrous Metal (except Aluminum) Smelting and Refining
327331: Concrete Block and Brick Manufacturing
221112: Fossil Fuel Electric Power Generation
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing
332812: Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers
424710: Petroleum Bulk Stations and Terminals
325193: Ethyl Alcohol Manufacturing
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing
337110: Wood Kitchen Cabinet and Countertop Manufacturing
331492: Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
221112: Fossil Fuel Electric Power Generation
325412: Pharmaceutical Preparation Manufacturing
325180: Other Basic Inorganic Chemical Manufacturing
327390: Other Concrete Product Manufacturing
324110: Petroleum Refineries
332420: Metal Tank (Heavy Gauge) Manufacturing
335999: All Other Miscellaneous Electrical Equipment and Component Manufacturing
327331: Concrete Block and Brick Manufacturing
424710: Petroleum Bulk Stations and Terminals
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing
325211: Plastics Material and Resin Manufacturing
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing
321114: Wood Preservation
321114: Wood Preservation
334418: Printed Circuit Assembly (Electronic Assembly) Manufacturing
325180: Other Basic Inorganic Chemical Manufacturing
331523: Nonferrous Metal Die-Casting Foundries
928110: National Security
333611: Turbine and Turbine Generator Set Units Manufacturing
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing
332322: Sheet Metal Work Manufacturing
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing
336212: Truck Trailer Manufacturing
336212: Truck Trailer Manufacturing
336212: Truck Trailer Manufacturing
336212: Truck Trailer Manufacturing
336212: Truck Trailer Manufacturing
336212: Truck Trailer Manufacturing
336212: Truck Trailer Manufacturing
336212: Truck Trailer Manufacturing
928110: National Security

8,171.00	6,560.00	-19.72%
2,416.10	1,954.54	-19.10%
0.04	0.03	-18.42%
0.07	0.06	-17.83%
8.21	6.79	-17.30%
0.07	0.06	-15.59%
12,371.00	10,500.00	-15.12%
402	356	-11.44%
0.09	0.08	-10.87%
251	229	-8.76%
6,671.21	6,091.12	-8.70%
793	728	-8.20%
3,508.24	3,225.24	-8.07%
11,338.70	10,456.00	-7.78%
5.2	4.8	-7.69%
33,663.00	31,310.00	-6.99%
3,202.02	3,000.62	-6.29%
2.69	2.53	-5.95%
0.03	0.03	-5.72%
5.13	4.85	-5.46%
5,984.00	5,779.00	-3.43%
0	0	0%
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Source Reduction: W15: Introduced an in-line product quality monitoring or other process analysis system[-0-4%] - In line
Other Environmental Practices: Recycling - Larger amount of steel scrap produced in 2017 required further processing pr
Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.
Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.
Source Reduction: W84: Developed a new chemical product to replace previous chemical product[-50-99%] - Replaced Zi
Other Environmental Practices: General Environmental Management - Placed erosion control rock socks around storm d
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized tl
Other Environmental Practices: Recycling - This facility is reporting greater releases of zinc compounds. The increase resu
Other Environmental Practices: General Environmental Management - Routine inspectionsOther Environmental Practice
Other Environmental Practices: Recycling - The amount recycled is the difference between the amount produced and the
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized tl
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized tl
Source Reduction: W19: Other changes in operating practices
Source Reduction: W41: Increased purity or raw materials
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Source Reduction: W50: Optimized reaction conditions or otherwise increased efficiency of synthesis - Fully instituted Yi
Other Environmental Practices: General Environmental Management - SO 14001: 2004 certified facility
Other Environmental Practices: Dust collectors are installed on silos.
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Other Environmental Practices: Recycling - We continue to recycle slag/flux as much as possible, which helps reduce lanc
Other Environmental Practices: Recycling - Lead containing waste generated at this facility is primarily electronic "e-wast
Source Reduction: W64: Improved draining procedures - Installed check dams at the south storm drain, and sediment tra
Other Environmental Practices: Energy Recovery - on site otherwise used - building heating and VDU powering
Source Reduction: W82: Modified design or composition of product - Leas was removed from much of both solder bars a
Source Reduction: W19: Other changes in operating practices - Copper is no longer in use by facility as of late 2017. Proc
Other Environmental Practices: General Environmental Management - Your tank rinsate for next batch of product
Other Environmental Practices: Recycling - We keep the chemical contained in the treating facility, and is recycled throug
Other Environmental Practices: Recycling - The Chemical is in a constant state of being recycled through the system durir
Source Reduction: W19: Other changes in operating practices - Changing more of our processes to lead free solder.
Source Reduction: W89: Other product modifications - Beneficial Use
Other Environmental Practices: Recycling - The copper reported is from scrap aluminum produced from machining and d
Other Environmental Practices: Recycling - All recovered metals are sent to off-site recycler
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers Source Reduct
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized tl
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized tl
Other Environmental Practices: Recycling - Kloppenberg & Company sent 192,500 pounds of stainless steel scrap to a me
Source Reduction: Source Reduction - Working on processes to blend more efficiently, which will reduce container emiss
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: General Environmental Management - Environmental Management System utilized to m

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LOVELAND PRODUCTS INC-BILLINGS (FORMERLY TRANSBAS) (AGRIUM INC)
LOVELAND PRODUCTS INC-BILLINGS (FORMERLY TRANSBAS) (AGRIUM INC)
LOVELAND PRODUCTS INC-BILLINGS (FORMERLY TRANSBAS) (AGRIUM INC)
TOSHIBA AMERICA BUSINESS SOLUTIONS INC TONER PRODUCTS DIV (TOSHIBA AMERICA BUSINESS SOLUTIONS INC)
KMG ELECTRONIC CHEMICALS INC (KMG CHEMICALS INC)
BRODY CHEMICAL (NA)
KMG ELECTRONIC CHEMICALS INC (KMG CHEMICALS INC)
WYOMING REFINING CO (PAR PACIFIC)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
CHELATED MINERALS CORP (BALCHEM CORP)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
EDO CORP WESTERN DIV (HARRIS CORP)
WYOMING REFINING CO (PAR PACIFIC)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
WYOMING REFINING CO (PAR PACIFIC)
GOLDEN ALUMINUM (NA)
MANITOU AMERICAS INC (MANITOU AMERICAS INC)
NORTHROP GRUMMAN SYSTEMS COPORATION (NORTHROP GRUMMAN CORP)
CERRO WIRE LLC (BERKSHIRE HATHAWAY INC)
AMERICAN PACIFIC CORP UTAH OPERATIONS (AMERICAN PACIFIC CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
CORIXA CORP D/B/A GLAXOSMITHKLINE VACCINES - HAMILTON (GLAXOSMITHKLINE LLC)
FORTERRA PRECAST CONCEPTS INC (FORTERRA INC)
FORTERRA PRECAST CONCEPTS INC (FORTERRA INC)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
MARMEN ENERGY CO (NA)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
TWIN CITY DIE CASTINGS CO - WATERTOWN DIV (TWIN CITY DIE CASTINGS CO)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
AMERICAN PACIFIC CORP UTAH OPERATIONS (AMERICAN PACIFIC CORP)
FIBERGLASS SPECIALTIES INC (FIBERGLASS SPECIALITIES INC)
THE BERGQUIST CO (HENKEL CORP)
THE BERGQUIST CO (HENKEL CORP)
BLACK HILLS CORP - NEIL SIMPSON COMPLEX (BLACK HILLS CORP)
WOODLAND CABINETRY INC (NA)

1525 LOCKWOOD RD, BILLINGS,MT 59101
1525 LOCKWOOD RD, BILLINGS,MT 59101
1525 LOCKWOOD RD, BILLINGS,MT 59101
901 N FOSTER ST, MITCHELL,SD 57301
250 WILLIAM WHITE BLVD, PUEBLO,CO 81001
6125 W DOUBLE EAGLE CIR, SALT LAKE CITY,UT 84118
250 WILLIAM WHITE BLVD, PUEBLO,CO 81001
10 STAMPEDE ST, NEWCASTLE,WY 82701
48450 144TH ST, BIG STONE CITY,SD 57216
3310 WEST 900 SOUTH, SALT LAKE CITY,UT 84104
48450 144TH ST, BIG STONE CITY,SD 57216
48450 144TH ST, BIG STONE CITY,SD 57216
2645 S 300 W, SALT LAKE CITY,UT 84115
10 STAMPEDE ST, NEWCASTLE,WY 82701
48450 144TH ST, BIG STONE CITY,SD 57216
217 DELL RANGE BLVD., CHEYENNE,WY 82009
10 STAMPEDE ST, NEWCASTLE,WY 82701
1405 E 14TH ST, FORT LUPTON,CO 80621
900 FERDIG AVE, YANKTON,SD 57078
2211 W NORTH TEMPLE, SALT LAKE CITY,UT 84116
1160 W 2150 N, OGDEN,UT 84404
10622 W 6400 N, CEDAR CITY,UT 84721
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523
3726 135TH AVENUE SW, BELFIELD,ND 58622
3726 135TH AVENUE SW, BELFIELD,ND 58622
3726 135TH AVENUE SW, BELFIELD,ND 58622
3726 135TH AVENUE SW, BELFIELD,ND 58622
553 OLD CORVALLIS RD, HAMILTON,MT 59840
9405 ALTON CT, HENDERSON,CO 80640
2311 RIVER RD, GRAND JUNCTION,CO 81505
6240 13TH ST SW, BEULAH,ND 58523
3726 135TH AVENUE SW, BELFIELD,ND 58622
1820 N. PLUM AVE., BRANDON,SD 57005
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523
122 CESSNA ST NW, WATERTOWN,SD 57201
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523
10622 W 6400 N, CEDAR CITY,UT 84721
1225 14TH ST SE, WATERTOWN,SD 57201
600 WILLOW ST., BRANDON,SD 57005
600 WILLOW ST., BRANDON,SD 57005
13151 HWY 51, GILLETTE,WY 82718
2415 SD HWY 10, SISSETON,SD 57262

Methoxone
Dicamba
2,4-D 2-Ethylhexyl Ester
Cyanide Compounds
Hydrogen Fluoride
Methanol
Nitric Acid
Hydrogen Sulfide
Hydrochloric Acid (1995 And After "Acid Aerosols" Only)
Zinc Compounds
Benzo(G,H,I)Perylene
Dioxin And Dioxin-Like Compounds
Lead Compounds
Hydrogen Fluoride
Hydrogen Fluoride
Toluene
Naphthalene
Chromium
Chromium
Lead
Antimony Compounds
Ammonia
Arsenic Compounds
Hydrogen Fluoride
Dioxin And Dioxin-Like Compounds
Benzene
Ethylbenzene
Toluene
N-Hexane
Methanol
Mercury
Lead
Zinc Compounds
Cyclohexane
Manganese
Lead Compounds
Barium Compounds
Mercury Compounds
Lead
Chromium Compounds(Except Chromite Ore Mined In The Transvaal Region)
Sulfuric Acid (1994 And After "Acid Aerosols" Only)
Lead Compounds
Styrene
Xylene (Mixed Isomers)
Ethylbenzene
Barium Compounds
Xylene (Mixed Isomers)

325320: Pesticide and Other Agricultural Chemical Manufacturing
325320: Pesticide and Other Agricultural Chemical Manufacturing
325320: Pesticide and Other Agricultural Chemical Manufacturing
325992: Photographic Film, Paper, Plate, and Chemical Manufacturing
325180: Other Basic Inorganic Chemical Manufacturing
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing
325180: Other Basic Inorganic Chemical Manufacturing
324110: Petroleum Refineries
221112: Fossil Fuel Electric Power Generation
311119: Other Animal Food Manufacturing
221112: Fossil Fuel Electric Power Generation
221112: Fossil Fuel Electric Power Generation
334511: Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufactu
324110: Petroleum Refineries
221112: Fossil Fuel Electric Power Generation
928110: National Security
324110: Petroleum Refineries
331315: Aluminum Sheet, Plate, and Foil Manufacturing
333120: Construction Machinery Manufacturing
334511: Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufactu
331420: Copper Rolling, Drawing, Extruding, and Alloying
325180: Other Basic Inorganic Chemical Manufacturing
221112: Fossil Fuel Electric Power Generation
221112: Fossil Fuel Electric Power Generation
221112: Fossil Fuel Electric Power Generation
424710: Petroleum Bulk Stations and Terminals
424710: Petroleum Bulk Stations and Terminals
424710: Petroleum Bulk Stations and Terminals
424710: Petroleum Bulk Stations and Terminals
325412: Pharmaceutical Preparation Manufacturing
327390: Other Concrete Product Manufacturing
327390: Other Concrete Product Manufacturing
221112: Fossil Fuel Electric Power Generation
424710: Petroleum Bulk Stations and Terminals
332312: Fabricated Structural Metal Manufacturing
221112: Fossil Fuel Electric Power Generation
221112: Fossil Fuel Electric Power Generation
221112: Fossil Fuel Electric Power Generation
331523: Nonferrous Metal Die-Casting Foundries
221112: Fossil Fuel Electric Power Generation
221112: Fossil Fuel Electric Power Generation
325180: Other Basic Inorganic Chemical Manufacturing
326199: All Other Plastics Product Manufacturing
325520: Adhesive Manufacturing
325520: Adhesive Manufacturing
221112: Fossil Fuel Electric Power Generation
337110: Wood Kitchen Cabinet and Countertop Manufacturing

10	10	0%
10	10	0%
10	10	0%
15	15	0%
60	60	0%
250	250	0%
280	280	0%
403.9	403.9	0%
12,300.00	12,300.00	0%
5,623.00	5,626.00	0.05%
0.05	0.05	0.20%
0.43	0.43	0.21%
85,170.96	85,415.70	0.29%
851.7	855	0.39%
2,300.00	2,310.00	0.43%
50.9	51.2	0.59%
170.47	173.91	2.02%
3,079.00	3,150.00	2.31%
166.12	171.14	3.02%
0.47	0.49	4.06%
24,347.05	25,816.05	6.03%
27,556.00	29,349.00	6.51%
20,151.00	21,563.00	7.01%
9,213.00	9,881.00	7.25%
0.52	0.56	7.26%
40	43	7.50%
37	40	8.11%
37	40	8.11%
154	167	8.44%
526	570.6	8.48%
0.01	0.01	8.51%
0.04	0.04	8.52%
20,609.00	22,366.00	8.53%
33	36	9.09%
13,825.60	15,085.20	9.11%
8,549.95	9,358.03	9.45%
1,019,941.00	1,128,848.00	10.68%
209.53	232.19	10.81%
1.62	1.8	11.11%
23,661.00	26,493.00	11.97%
408	463	13.48%
39,326.00	44,626.00	13.48%
7,745.00	8,842.00	14.16%
1,274.00	1,466.00	15.07%
364	419	15.11%
1,517,104.86	1,750,091.84	15.36%
35,713.07	41,213.24	15.40%

Other Environmental Practices: Recycling - Recycle rinses in production when ever possibleSource Reduction: Source Rec
Source Reduction: Source Reduction - dust collection, scheduling efficienciesOther Environmental Practices: Recycling - I
Other Environmental Practices: Recycling - Recycle in compatible products
Source Reduction: W82: Modified design or composition of product - Product containing cyanide components was phase
Source Reduction: W39: Other spill or leak prevention - Improved training of operators and forklift drivers to eliminate h
Source Reduction: Source Reduction - Working on processes to be more efficient, which will reduce container emissions.
Source Reduction: W39: Other spill or leak prevention - Improved training for production employees and forklift drivers t
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Source Reduction: W50: Optimized reaction conditions or otherwise increased efficiency of synthesis - Reformulated the
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Source Reduction: W19: Other changes in operating practices[-5-14%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: General Environmental Management - Environmental management System utilized to m
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W19: Other changes in operating practices - change set-points for chemical additions Methods to Ider
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures
Other Environmental Practices: Recycling - We have focused heavily on a recycling/reclamation efforts in 2017. We have
Source Reduction: W15: Introduced an in-line product quality monitoring or other process analysis system[-5-14%] - Impr
Source Reduction: Source Reduction - We are still exploring options and feasibility to reprocess and sell the ammonium h
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was instal
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was instal
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was instal
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was instal
Source Reduction: W58: Other process modifications - Internal process improvement resulted in increased in production
Other Environmental Practices: Dust collectors are installed on silos.
Other Environmental Practices: Dust collectors are installed on silos.
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was instal
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures - Better record-keeping availa
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: Waste Treatment - An activated carbon injection system has been installed at the facility
Other Environmental Practices: Recycling - The lead reported is from scrap aluminum produced from machining and dros
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Source Reduction: Source Reduction - R&D efforst would reduce waste significantaly if able to implement
Source Reduction: W75: Changed from spray to other system[-0-4%]
Source Reduction: W71: Other cleaning and degreasing modifications
Source Reduction: W71: Other cleaning and degreasing modifications
Other Environmental Practices: The waste ash, which contains barium is being used for fill in the mine reclamation proce
Source Reduction: W56: Reduced or eliminated use of an organic solvent

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MONTANA SULPHUR & CHEMICAL CO (NA)
WYOMING REFINING CO (PAR PACIFIC)
BD MEDICAL (BECTON DICKINSON & CO)
WOODLAND CABINETRY INC (NA)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
MANITOU AMERICAS INC (MANITOU AMERICAS INC)
WYOMING REFINING CO (PAR PACIFIC)
WOODLAND CABINETRY INC (NA)
THARALDSON ETHANOL PLANT I LLC (NA)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
THE BERGQUIST CO (HENKEL CORP)
KMG ELECTRONIC CHEMICALS INC (KMG CHEMICALS INC)
INTERTAPE POLYMER GROUP BRIGHTON FACILITY (INTERTAPE POLYMER GROUP)
WYOMING REFINING CO (PAR PACIFIC)
INTERTAPE POLYMER GROUP BRIGHTON FACILITY (INTERTAPE POLYMER GROUP)
WYOMING REFINING CO (PAR PACIFIC)
VALMONT COATINGS INTERMOUNTAIN GALVANIZING (VALMONT INDUSTRIES INC)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
US DEPARTMENT OF THE TREASURY US MINT DENVER (US DEPARTMENT OF THE TREASURY)
NESTLE USA-PREPARED FOODS DIV INC (NESTLE USA INC)
CHELATED MINERALS CORP (BALCHEM CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
VISHAY-DALE ELECTRONICS (VISHAY INTERTECHNOLOGY INC)
HACH CO LOVELAND (NA)
WESTERN SUGAR COOPERATIVE LOVELL FACTORY (WESTERN SUGAR COOPERATIVE)
DESIGN TANKS (DESIGN TANKS LLC)
WYOMING REFINING CO (PAR PACIFIC)
JOHN DEERE ELECTRONIC SOLUTIONS (DEERE & CO)
FORTERRA PRECAST CONCEPTS INC (FORTERRA INC)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
PRISMVIEW LLC (SAMSUNG ELECTRONICS AMERICA INC)
INOVAR INC (INOVAR)
VALMONT COATINGS INTERMOUNTAIN GALVANIZING (VALMONT INDUSTRIES INC)
ROCKY MOUNTAIN PRESTRESS LLC (STRUCTURAL PLANT) (PHELPS TOINTON)
VESTAS BLADES AMERICA INC WINDSOR (VESTAS BLADES AMERICA INC)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
UNICIRCUIT INC (ANAREN INC)
PILKINGTON METAL FINISHING LLC (PILKINGTON METAL FINISHING LLC)
INNOPHOS NUTRITION NORTH SALT LAKE (INNOPHOS INC)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
ANIMAS GLACIER GRAVEL (OLDCASTLE INC)

627 EXXONMOBIL RD, BILLINGS,MT 59101
10 STAMPEDE ST, NEWCASTLE,WY 82701
9450 SOUTH STATE, SANDY,UT 84070
2415 SD HWY 10, SISSETON,SD 57262
10 STAMPEDE ST, NEWCASTLE,WY 82701
10 STAMPEDE ST, NEWCASTLE,WY 82701
900 FERDIG AVE, YANKTON,SD 57078
10 STAMPEDE ST, NEWCASTLE,WY 82701
2415 SD HWY 10, SISSETON,SD 57262
3549 153RD AVENUE SE, CASSELTON,ND 58012
10 STAMPEDE ST, NEWCASTLE,WY 82701
10 STAMPEDE ST, NEWCASTLE,WY 82701
600 WILLOW ST., BRANDON,SD 57005
250 WILLIAM WHITE BLVD, PUEBLO,CO 81001
1095 S FOURTH AVE, BRIGHTON,CO 80601
10 STAMPEDE ST, NEWCASTLE,WY 82701
1095 S FOURTH AVE, BRIGHTON,CO 80601
10 STAMPEDE ST, NEWCASTLE,WY 82701
1085 WEST 400 NORTH, LINDON,UT 84042
10 STAMPEDE ST, NEWCASTLE,WY 82701
10 STAMPEDE ST, NEWCASTLE,WY 82701
320 W COLFAX AVE, DENVER,CO 80204
815 W RAYMOND KLAUCK WAY, SPRINGVILLE,UT 84663
3310 WEST 900 SOUTH, SALT LAKE CITY,UT 84104
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523
1505 E HWY 50, YANKTON,SD 57078
5600 LINDBERGH DR, LOVELAND,CO 80538
400 GREAT WESTERN AVE, LOVELL,WY 82431
18427 N HWY 85, BELLE FOURCHE,SD 57717
10 STAMPEDE ST, NEWCASTLE,WY 82701
1441 44TH ST NW, FARGO,ND 58102
9405 ALTON CT, HENDERSON,CO 80640
10 STAMPEDE ST, NEWCASTLE,WY 82701
10 STAMPEDE ST, NEWCASTLE,WY 82701
1651 N 1000 W, LOGAN,UT 84321
1073 WEST 1700 NORTH, LOGAN,UT 84321
1085 WEST 400 NORTH, LINDON,UT 84042
5801 PECOS ST, DENVER,CO 80221
11140 EASTMAN PARK DR, WINDSOR,CO 80550
6240 13TH ST SW, BEULAH,ND 58523
8192 S PARK LN, LITTLETON,CO 80120
1225 S LEGACY VIEW ST, SALT LAKE CITY,UT 84104
680 N 700 W, NORTH SALT LAKE,UT 84054
217 DELL RANGE BLVD., CHEYENNE,WY 82009
217 DELL RANGE BLVD., CHEYENNE,WY 82009
9755 CR 213, DURANGO,CO 81301

Hydrogen Sulfide
Xylene (Mixed Isomers)
Diisocyanates
N-Butyl Alcohol
1,3-Butadiene
Toluene
Manganese
Cyclohexane
Methanol
N-Hexane
N-Hexane
Cresol (Mixed Isomers)
Toluene
Ammonia
Toluene
Ethylbenzene
N-Hexane
Ammonia
Zinc Compounds
Styrene
Benzene
Copper
Ammonia
Cobalt Compounds
Manganese Compounds
Hydrochloric Acid (1995 And After "Acid Aerosols" Only)
Lead Compounds
Lead
Ammonia
Styrene
1,2,4-Trimethylbenzene
Lead
Lead
Cumene
Propylene
Lead Compounds
Lead
Lead
Lead
Diisocyanates
Nickel Compounds
Copper Compounds
Trichloroethylene
Manganese Compounds
Xylene (Mixed Isomers)
Benzene
Lead

325180: Other Basic Inorganic Chemical Manufacturing
324110: Petroleum Refineries
339112: Surgical and Medical Instrument Manufacturing
337110: Wood Kitchen Cabinet and Countertop Manufacturing
324110: Petroleum Refineries
324110: Petroleum Refineries
333120: Construction Machinery Manufacturing
324110: Petroleum Refineries
337110: Wood Kitchen Cabinet and Countertop Manufacturing
325193: Ethyl Alcohol Manufacturing
324110: Petroleum Refineries
324110: Petroleum Refineries
325520: Adhesive Manufacturing
325180: Other Basic Inorganic Chemical Manufacturing
322220: Paper Bag and Coated and Treated Paper Manufacturing
324110: Petroleum Refineries
322220: Paper Bag and Coated and Treated Paper Manufacturing
324110: Petroleum Refineries
332812: Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers
324110: Petroleum Refineries
324110: Petroleum Refineries
332119: Metal Crown, Closure, and Other Metal Stamping (except Automotive)
311412: Frozen Specialty Food Manufacturing
311119: Other Animal Food Manufacturing
221112: Fossil Fuel Electric Power Generation
221112: Fossil Fuel Electric Power Generation
334416: Electronic Coil, Transformer, and Other Inductor Manufacturing
334516: Analytical Laboratory Instrument Manufacturing
311313: Beet Sugar Manufacturing
326199: All Other Plastics Product Manufacturing
324110: Petroleum Refineries
334418: Printed Circuit Assembly (Electronic Assembly) Manufacturing
327390: Other Concrete Product Manufacturing
324110: Petroleum Refineries
324110: Petroleum Refineries
339950: Sign Manufacturing
334418: Printed Circuit Assembly (Electronic Assembly) Manufacturing
332812: Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers
327390: Other Concrete Product Manufacturing
326199: All Other Plastics Product Manufacturing
221112: Fossil Fuel Electric Power Generation
334412: Bare Printed Circuit Board Manufacturing
332813: Electroplating, Plating, Polishing, Anodizing, and Coloring
325411: Medicinal and Botanical Manufacturing
928110: National Security
928110: National Security
327320: Ready-Mix Concrete Manufacturing

11,490.00	13,323.00	15.95%
1,623.70	1,901.60	17.12%
25.4	30	18.11%
23,032.54	27,338.89	18.70%
103.9	124.42	19.75%
4,151.72	5,048.03	21.59%
283.7	345.65	21.84%
889.86	1,111.41	24.90%
38,464.37	49,124.69	27.71%
9,137.46	11,842.24	29.60%
3,111.90	4,044.97	29.98%
1.3	1.7	30.77%
489	655	33.95%
1,901.00	2,560.00	34.67%
10,288.20	13,885.20	34.96%
300.19	408.69	36.14%
29,069.10	39,753.10	36.75%
512	712.1	39.08%
5,579.70	7,833.00	40.38%
12.38	17.68	42.81%
1,227.90	1,950.58	58.85%
1,837.67	2,984.99	62.43%
14,573.00	24,299.20	66.74%
1	2	100%
111,738.00	224,578.00	100.99%
3,518.00	8,708.00	147.53%
0.17	0.45	170.91%
38.39	107.02	178.72%
2,189.00	8,124.00	271.13%
1,255.00	5,529.00	340.56%
15.8	83.65	429.43%
0.28	2.09	644.81%
0.04	0.28	672.92%
16.59	230.02	1286.50%
122.37	1,859.18	1419.31%
0.18	3.22	1678.64%
0.33	27.33	8181.82%
9.5	815	8478.95%
0.04	10	27062.29%
0	34,051.00 âˆž	
0	20,810.00 âˆž	
0	6,721.50 âˆž	
0	850 âˆž	
0	516.8 âˆž	
0	72.7 âˆž	
0	20.3 âˆž	
0	14.64 âˆž	

Other Environmental Practices: Implementation of the Flare Gas Treatment Unit The purpose of the FGTU is to treat certa
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: We are continuing to modify our process where the finished product is used, to reduce scrap and there
Source Reduction: W56: Reduced or eliminated use of an organic solvent[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W56: Reduced or eliminated use of an organic solvent
Source Reduction: W19: Other changes in operating practices
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W71: Other cleaning and degreasing modifications
Source Reduction: W35: Installed vapor recovery systems - improved equipment changes to increase production and red
Other Environmental Practices: Recycling - solvent recovery system used to capture and reuse toluene
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Other Environmental Practices: Recycling - Solvent recovery system used to capture and reuse hexane
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W15: Introduced an in-line product quality monitoring or other process analysis system
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures
Other Environmental Practices: Recycling - Metals Recovery, waste and scrap collected and sent to original vendor.
Source Reduction: W39: Other spill or leak prevention - Started the installation of improved-design ammonia compresso
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - product mac
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: Efforts continue to recycle iron powder used in the manufacturing process.
Source Reduction: W42: Substituted raw materials Source Reduction: W82: Modified design or composition of product M
Other Environmental Practices: General Environmental Management - Fugitive ammonia generation is a by product of b
Source Reduction: W21: Instituted procedures to ensure that materials do not stay in inventory beyond - Document and
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W58: Other process modifications - We continue to see improvements via the use of the nitrogen-fille
Other Environmental Practices: Dust collectors are installed on silos.
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W42: Substituted raw materials - Using Lead Free soldering on all electronic assemblies Methods to lc
Other Environmental Practices: Recycling - We have a team that has taken our recycling to a higher level working with a
Source Reduction: W15: Introduced an in-line product quality monitoring or other process analysis system
Source Reduction: W82: Modified design or composition of product[-50-99%]
Source Reduction: W19: Other changes in operating practices - We began separating the isocyante hardeners from the a
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year t
Other Environmental Practices: Recycling - This facility reclaims approximately 47% of it Copper Materials
Source Reduction: Source Reduction - Upgrade equipment for emission reduction.
Other Environmental Practices: General Environmental Management - Our dust collection systems include cyclones and
Other Environmental Practices: General Environmental Management - Environmental Management System utilized to m
Other Environmental Practices: General Environmental Management - Environmental Management System utilized to m
Other Environmental Practices: Recycling - Unused concrete returned to the facility is allowed to cure and is periodically

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US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
BASALITE CONCRETE PRODUCTS LLC (PACIFIC COAST BUILDING PRODUCTS)
SILVER EAGLE REFINING WOODS CROSS (THE INTERNATIONAL GROUP INC)
WOODWARD INC (WOODWARD INC)
WOODWARD INC (WOODWARD INC)
ANIMAS GLACIER GRAVEL (OLDCASTLE INC)
WOODWARD INC (WOODWARD INC)
ROCKY MOUNTAIN PRESTRESS LLC (ARCHITECTURAL PLANT) (PHELPS TOINTON)

217 DELL RANGE BLVD., CHEYENNE,WY 82009
3255 DRENNAN RD, COLORADO SPRINGS,CO 80910
2355 S 1100 W, WOODS CROSS,UT 84087
1041 WOODWARD WAY, FORT COLLINS,CO 80524
1041 WOODWARD WAY, FORT COLLINS,CO 80524
9755 CR 213, DURANGO,CO 81301
1041 WOODWARD WAY, FORT COLLINS,CO 80524
301 W 60TH PL, DENVER,CO 80221

Ethylbenzene
Lead Compounds
Mercury
Nickel
Chromium
Mercury
Copper
Lead

928110: National Security
327331: Concrete Block and Brick Manufacturing
324110: Petroleum Refineries
333618: Other Engine Equipment Manufacturing
333618: Other Engine Equipment Manufacturing
327320: Ready-Mix Concrete Manufacturing
333618: Other Engine Equipment Manufacturing
327390: Other Concrete Product Manufacturing

0	11	â^ž
0	9.29	â^ž
0	2	â^ž
0	0.28	â^ž
0	0.1	â^ž
0	0.1	â^ž
0	0.08	â^ž
0	0.001523	â^ž

Other Environmental Practices: General Environmental Management - Environmental Management System utilized to m
Source Reduction: W64: Improved draining procedures - Installed check dams at storm drains
Source Reduction: W29: Other changes in inventory control - Getting rid of mercury-containing lab equipment and, wher
Other Environmental Practices: General Environmental Management - ISO14001 Certified FacilityOther Environmental P
Other Environmental Practices: General Environmental Management - Facility is ISO14001 Certified.Other Environmenta
Other Environmental Practices: Recycling - Unused concrete returned to this facility is allowed to cure and is periodically
Other Environmental Practices: General Environmental Management - ISO14001 Certified.Source Reduction: Methods fc
Source Reduction: Source Reduction - No flyash used during 2017 RY

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ractices: Wast
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Facility Name
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
CHELATED MINERALS CORP (BALCHEM CORP)
TECTON PRODUCTS LLC (MARVIN LUMBER & CEDAR CO)
TTM TECHNOLOGIES INC (TTM TECHNOLOGIES INC)
THATCHER CO (THATCHER CO)
MICRO MOTION INC (EMERSON ELECTRIC CO)
O'NEAL MANUFACTURING SERVICES (O'NEAL STEEL INC)
HEXCEL CORP (HEXCEL CORP)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
HEXCEL CORP (HEXCEL CORP)
WOODWARD INC (WOODWARD INC)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
AVAGO TECHNOLOGIES INC FORT COLLINS COLORADO (BROADCOM LTD)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
ULTRAMAX AMMUNITION (NA)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
AZZ GALVANIZING -DENVER (AZZ INC)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
BOULDER SCIENTIFIC CO MEAD FACILITY (BOULDER SCIENTIFIC CO)
INNOPHOS NUTRITION NORTH SALT LAKE (INNOPHOS INC)
AUTOLIV ASP INC (AUTOLIV INC)
BASALITE (PACIFIC COAST BUILDING PRODUCTS)
CERRO WIRE LLC (BERKSHIRE HATHAWAY INC)
HANKINSON RENEWABLE ENERGY LLC (GUARDIAN ENERGY MANAGEMENT LLC)
DESIGN TANKS LLC (NA)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
GATES CORP (GATES CORP)
SHOWPLACE WOOD PRODUCTS (SHOWPLACE WOOD PRODUCTS)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
FORTERRA CONCRETE PRODUCTS - MENOKEN (FORTERRA INC)
SMITHFIELD PACKAGED MEATS CORP - SIOUX FALLS (UNITED GLOBAL FOODS US HOLDINGS INC)

Address
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
3310 WEST 900 SOUTH, SALT LAKE CITY,UT 84104
4401 15TH AVE N, FARGO,ND 58102
710 N 600 W, LOGAN,UT 84321
1905 FORTUNE RD, SALT LAKE CITY,UT 84104
7070 WINCHESTER CIR, BOULDER,CO 80301
319 LOCKHEED ST, PUEBLO,CO 81001
31815 GREAT WESTERN DRIVE, WINDSOR,CO 80550
100 TOWERS ROAD, PUEBLO,CO 81004
31815 GREAT WESTERN DRIVE, WINDSOR,CO 80550
1000 E DRAKE RD, FORT COLLINS,CO 80525
100 TOWERS ROAD, PUEBLO,CO 81004
100 TOWERS ROAD, PUEBLO,CO 81004
4380 ZIEGLER RD, FORT COLLINS,CO 80525
100 TOWERS ROAD, PUEBLO,CO 81004
2112 ELK VALE RD, RAPID CITY,SD 57701
100 TOWERS ROAD, PUEBLO,CO 81004
4400 E 61ST AVE, COMMERCE CITY,CO 80022
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
598 THIRD ST, MEAD,CO 80542
680 N 700 W, NORTH SALT LAKE,UT 84054
1360 N 1000 W, TREMONTON,UT 84337
4900 RACE ST, DENVER,CO 80216
1160 W 2150 N, OGDEN,UT 84404
9230 COUNTY RD 1, HANKINSON,ND 58041
612 W BLACKHAWK ST, SIOUX FALLS,SD 57104
48450 144TH ST, BIG STONE CITY,SD 57216
700 E REDWOOD BLVD, BRANDON,SD 57005
1 ENTERPRISE ST, HARRISBURG,SD 57032
48450 144TH ST, BIG STONE CITY,SD 57216
1101 158TH ST NE, MENOKEN,ND 58558
1400 N WEBER AVE, SIOUX FALLS,SD 57117

Chemical Name
Polycyclic Aromatic Compounds
Copper Compounds
Styrene
Formic Acid
Chlorine
Chromium
Manganese
N-Methyl-2-Pyrrolidone
Manganese
Diuron
Chromium
Ethylbenzene
N-Butyl Alcohol
N-Methyl-2-Pyrrolidone
Xylene (Mixed Isomers)
Lead
Zinc (Fume Or Dust)
Zinc Compounds
1,3-Butadiene
Pyridine
Zinc Compounds
N-Hexane
Mercury
Copper
Methanol
Styrene
Lead Compounds
Lead
N-Butyl Alcohol
Barium Compounds
Lead
Ammonia

Industry	Prior Year Release *	Current Year Release *
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	37.2	0
311119: Other Animal Food Manufacturing	192	13
326199: All Other Plastics Product Manufacturing	18,837.30	1,769.70
334412: Bare Printed Circuit Board Manufacturing	177	19
325180: Other Basic Inorganic Chemical Manufacturing	1,123.00	181
334514: Totalizing Fluid Meter and Counting Device Manufacturing	24	5
332999: All Other Miscellaneous Fabricated Metal Product Manufacturing	129	32.3
325211: Plastics Material and Resin Manufacturing	941	250
332312: Fabricated Structural Metal Manufacturing	313,407.00	90,848.00
325211: Plastics Material and Resin Manufacturing	502	176
333618: Other Engine Equipment Manufacturing	0.28	0.1
332312: Fabricated Structural Metal Manufacturing	12,179.00	4,591.00
332312: Fabricated Structural Metal Manufacturing	18,908.00	7,301.00
334413: Semiconductor and Related Device Manufacturing	72,614.64	28,286.20
332312: Fabricated Structural Metal Manufacturing	55,005.00	27,381.00
332993: Ammunition (except Small Arms) Manufacturing	1	0.5
332312: Fabricated Structural Metal Manufacturing	500	250
332812: Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	10,268.72	5,286.50
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	11	6
325199: All Other Basic Organic Chemical Manufacturing	184	105
325411: Medicinal and Botanical Manufacturing	4,593.33	2,737.67
336390: Other Motor Vehicle Parts Manufacturing	4,134.00	2,480.00
327331: Concrete Block and Brick Manufacturing	0.0005	0.0003
331420: Copper Rolling, Drawing, Extruding, and Alloying	5	3.06
325193: Ethyl Alcohol Manufacturing	5,225.66	3,285.48
326199: All Other Plastics Product Manufacturing	41,674.00	26,968.00
221112: Fossil Fuel Electric Power Generation	6,156.47	4,087.20
332912: Fluid Power Valve and Hose Fitting Manufacturing	0.02	0.01
337110: Wood Kitchen Cabinet and Countertop Manufacturing	10,020.90	6,820.00
221112: Fossil Fuel Electric Power Generation	683,838.00	466,866.00
327390: Other Concrete Product Manufacturing	0.1	0.07
311611: Animal (except Poultry) Slaughtering	91,421.00	65,215.70

Percent Change
-100%
-93.23%
-90.61%
-89.27%
-83.88%
-79.17%
-74.96%
-73.43%
-71.01%
-64.94%
-64.29%
-62.30%
-61.39%
-61.05%
-50.22%
-50%
-50%
-48.52%
-45.45%
-42.93%
-40.40%
-40.01%
-40%
-38.80%
-37.13%
-35.29%
-33.61%
-33.33%
-31.94%
-31.73%
-28.73%
-28.66%

Pollution Prevention Information (Activity Codes/Text/[Reduction])

Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r

Source Reduction: W19: Other changes in operating practices - Product produced in other location

Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - reduced shutdown waste by placing orders back to b

Source Reduction: W84: Developed a new chemical product to replace previous chemical product - The majority of formic acid is used in our plating process. We

Source Reduction: W58: Other process modifications - Installation of eduction system Source Reduction: Source Reduction - Eduction system installed

Other Environmental Practices: Recycling - The facility actively recycles or reprocess material to minimize the impact to the environment.

Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures - The facility implemented a comprehensive program to improve prod

Source Reduction: W19: Other changes in operating practices - Reduced Production Methods to Identify SR Opportunities: T11: Other - Decommissioning of proc

Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-5-14%] - Improved preventative maintenance on the vacuum system t

Source Reduction: W29: Other changes in inventory control - Changes in production.

Other Environmental Practices: Recycling - All scrap metals provided to metal recyclerSource Reduction: Methods for Identifying Pollution Prevention Opportunit

Source Reduction: W19: Other changes in operating practices[-0-4%] - Modifications to the paint spray system to improve transfer efficiency and reduce the amo

Source Reduction: W19: Other changes in operating practices[-0-4%] - Modifications to the paint spray system to improve transfer efficiency and reduce the amo

Other Environmental Practices: Waste Treatment - Air emission emissions reduced by installation of additional VOC abatement units

Source Reduction: W19: Other changes in operating practices[-0-4%] - Modifications to the paint spray system to improve transfer efficiency and reduce the amo

Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures - We trained a new employee to treat the water per our specifications

Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%] - Improved PM's on baghouse system improves the ability to ca

Other Environmental Practices: Recycling - This facility is reporting greater releases of zinc compounds. The increase results from the reporting off-site releases c

Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r

Source Reduction: Source Reduction - pyridine is vented to scrubber and converted to the chloride salt, dissolved in water and shipped to incineration.

Other Environmental Practices: General Environmental Management - We use dust collection including cyclones and bag houses to reduce our emissions to the e

Source Reduction: W89: Other product modifications[-25-49%] - Replacing dry pyrotechnic manufacturing which involves the use of Hexane with slurry pyrotechr

Other Environmental Practices: General Environmental Management - place rock sock at inlets of storm drains.

Source Reduction: W19: Other changes in operating practices - Reduced low volume products to reduce waste caused changeovers from low volume to high volu

Other Environmental Practices: Recycling - The amount recycled is the difference between the amount produced and the amount released to the environment. T

Source Reduction: W21: Instituted procedures to ensure that materials do not stay in inventory beyond - Document and write on the drum the received and use-

Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev

Source Reduction: W82: Modified design or composition of product[-50-99%] - Switched from 12L14 steel to lead free 1215 steel.

Source Reduction: W19: Other changes in operating practices

Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev

Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.

Source Reduction: W39: Other spill or leak prevention - PSM program and piping, and insulation

P2 Report
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UNICIRCUIT INC (ANAREN INC)
TTM TECHNOLOGIES INC (TTM TECHNOLOGIES INC)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
VISHAY-DALE ELECTRONICS (VISHAY INTERTECHNOLOGY INC)
NUCOR CORP VULCRAFT DIV (NUCOR CORP)
KLUNE INDUSTRIES INC (BERKSHIRE HATHAWAY INC)
FORTERRA CONCRETE PRODUCTS - BILLINGS (FORTERRA INC)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
NUCOR CORP VULCRAFT DIV (NUCOR CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
BOULDER SCIENTIFIC CO MEAD FACILITY (BOULDER SCIENTIFIC CO)
WYOMING REFINING CO (PAR PACIFIC)
SHOWPLACE WOOD PRODUCTS (SHOWPLACE WOOD PRODUCTS)
ADVANCED FORMING TECHNOLOGY (ARC GROUP WORLDWIDE INC)
NUCOR CORP VULCRAFT DIV (NUCOR CORP)
FORTERRA CONCRETE PRODUCTS - HELENA (FORTERRA INC)
FORTERRA CONCRETE PRODUCTS - RAPID CITY (FORTERRA INC)
ASAHI REFINING USA INC (NA)
BASALITE (PACIFIC COAST BUILDING PRODUCTS)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
AZZ GALVANIZING -DENVER (AZZ INC)
PHILLIPS 66 CO DENVER TERMINAL (PHILLIPS 66 CO)
HANKINSON RENEWABLE ENERGY LLC (GUARDIAN ENERGY MANAGEMENT LLC)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
SHOWPLACE WOOD PRODUCTS (SHOWPLACE WOOD PRODUCTS)
SABIN METAL WEST CORP (SABIN METAL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
CORIXA CORP D/B/A GLAXOSMITHKLINE VACCINES - HAMILTON (GLAXOSMITHKLINE LLC)
MATHESON TRIGAS LONGMONT CO BRANCH (TAIYO NIPPON SANSO USA INC)
FORTERRA STRUCTURAL SPECIALTY PRODUCTS - WEST VALLEY (FORTERRA INC)
WYOMING REFINING CO (PAR PACIFIC)

8192 S PARK LN, LITTLETON,CO 80120
710 N 600 W, LOGAN,UT 84321
48450 144TH ST, BIG STONE CITY,SD 57216
1505 E HWY 50, YANKTON,SD 57078
1875 W HWY 13, BRIGHAM CITY,UT 84302
1800 N 300 W, SPANISH FORK,UT 84660
1521 S 32ND ST W, BILLINGS,MT 59102
48450 144TH ST, BIG STONE CITY,SD 57216
1875 W HWY 13, BRIGHAM CITY,UT 84302
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
48450 144TH ST, BIG STONE CITY,SD 57216
598 THIRD ST, MEAD,CO 80542
10 STAMPEDE ST, NEWCASTLE,WY 82701
1 ENTERPRISE ST, HARRISBURG,SD 57032
7040 WELD COUNTY RD 20, LONGMONT,CO 80504
1875 W HWY 13, BRIGHAM CITY,UT 84302
2001 N BENTON AVE, HELENA,MT 59601
1601 CULVERT STREET, RAPID CITY,SD 57701
4601 W 2100 S -, WEST VALLEY CITY,UT 84120
4900 RACE ST, DENVER,CO 80216
48450 144TH ST, BIG STONE CITY,SD 57216
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
4400 E 61ST AVE, COMMERCE CITY,CO 80022
3960 E 56TH AVE, COMMERCE CITY,CO 80022
9230 COUNTY RD 1, HANKINSON,ND 58041
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
1 ENTERPRISE ST, HARRISBURG,SD 57032
15 12TH AVE E, WILLISTON,ND 58801
6240 13TH ST SW, BEULAH,ND 58523
553 OLD CORVALLIS RD, HAMILTON,MT 59840
1861 LEFTHAND CIR, LONGMONT,CO 80501
6087 W 5400 S, WEST VALLEY CITY,UT 84118
10 STAMPEDE ST, NEWCASTLE,WY 82701

Lead Compounds
Certain Glycol Ethers
Vanadium Compounds
Copper
Lead
Nitric Acid
Lead
Manganese Compounds
Nickel Compounds
Hydrogen Cyanide
Mercury Compounds
Dichloromethane
Ethylene
Xylene (Mixed Isomers)
Trichloroethylene
Manganese Compounds
Lead
Lead
Zinc Compounds
Lead
Ammonia
Toluene
Lead
1,2,4-Trimethylbenzene
Acetaldehyde
Xylene (Mixed Isomers)
Benzene
Toluene
Lead Compounds
Vanadium Compounds
Chloroform
Hydrogen Fluoride
Lead
Methanol

334412: Bare Printed Circuit Board Manufacturing	16.5	11.92
334412: Bare Printed Circuit Board Manufacturing	10,815.32	7,821.60
221112: Fossil Fuel Electric Power Generation	23,080.00	16,912.00
334416: Electronic Coil, Transformer, and Other Inductor Manufacturing	0.85	0.63
332312: Fabricated Structural Metal Manufacturing	161.38	119.97
332813: Electroplating, Plating, Polishing, Anodizing, and Coloring	1,010.00	755
327390: Other Concrete Product Manufacturing	0.04	0.03
221112: Fossil Fuel Electric Power Generation	27,001.00	20,366.00
332312: Fabricated Structural Metal Manufacturing	336.12	254.11
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	530.65	404.1
221112: Fossil Fuel Electric Power Generation	185.21	143.1
325199: All Other Basic Organic Chemical Manufacturing	2,520.00	1,964.00
324110: Petroleum Refineries	22.79	17.86
337110: Wood Kitchen Cabinet and Countertop Manufacturing	41,215.00	32,768.00
332117: Powder Metallurgy Part Manufacturing	8,171.00	6,560.00
332312: Fabricated Structural Metal Manufacturing	2,416.10	1,954.54
327390: Other Concrete Product Manufacturing	0.04	0.03
327390: Other Concrete Product Manufacturing	0.07	0.06
331410: Nonferrous Metal (except Aluminum) Smelting and Refining	8.21	6.79
327331: Concrete Block and Brick Manufacturing	0.07	0.06
221112: Fossil Fuel Electric Power Generation	12,371.00	10,500.00
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	402	356
332812: Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	0.09	0.08
424710: Petroleum Bulk Stations and Terminals	251	229
325193: Ethyl Alcohol Manufacturing	6,671.21	6,091.12
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	793	728
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	3,508.24	3,225.24
337110: Wood Kitchen Cabinet and Countertop Manufacturing	11,338.70	10,456.00
331492: Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)	5.2	4.8
221112: Fossil Fuel Electric Power Generation	33,663.00	31,310.00
325412: Pharmaceutical Preparation Manufacturing	3,202.02	3,000.62
325180: Other Basic Inorganic Chemical Manufacturing	2.69	2.53
327390: Other Concrete Product Manufacturing	0.03	0.03
324110: Petroleum Refineries	5.13	4.85

-27.76%
-27.68%
-26.72%
-25.88%
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-25.07%
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-24.40%
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-22.73%
-22.06%
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-19.72%
-19.10%
-18.42%
-17.83%
-17.30%
-15.59%
-15.12%
-11.44%
-10.87%
-8.76%
-8.70%
-8.20%
-8.07%
-7.78%
-7.69%
-6.99%
-6.29%
-5.95%
-5.72%
-5.46%

Other Environmental Practices: Recycling - Unicircuit reclaims all of its Tin/Lead solder dross through its supplier. In addition to Environmental waste reduction, t
Source Reduction: W52: Modified equipment, layout, or piping[-50-99%] - In the Outerlayer Process we have changed from box printers to Laser Direct Imagining
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Recycling - Efforts continue to recycle iron powder used in the manufacturing process.
Other Environmental Practices: Recycling - Larger amount of steel scrap produced in 2017 required further processing prior to recycling, and could not be sent fo
Other Environmental Practices: General Environmental Management - Tracking usage and disposal to ensure we are managing the process with reduction in min
Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Recycling - Larger amount of steel scrap produced in 2017 required further processing prior to recycling, and could not be sent fo
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Other Environmental Practices: Waste Treatment - An activated carbon injection system has been installed at the facility. This reduces the mercury emissions rat
Source Reduction: W56: Reduced or eliminated use of an organic solvent[-25-49%] - Substituted a less hazardous solvent in process Methods to Identify SR Oppo
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W19: Other changes in operating practices
Source Reduction: W15: Introduced an in-line product quality monitoring or other process analysis system[-0-4%] - In line inspection should reduce the number o
Other Environmental Practices: Recycling - Larger amount of steel scrap produced in 2017 required further processing prior to recycling, and could not be sent fo
Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.
Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.
Source Reduction: W84: Developed a new chemical product to replace previous chemical product[-50-99%] - Replaced Zinc powder with Iron Powder in one of ou
Other Environmental Practices: General Environmental Management - Placed erosion control rock socks around storm drain inlets
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Other Environmental Practices: Recycling - This facility is reporting greater releases of zinc compounds. The increase results from the reporting off-site releases c
Other Environmental Practices: General Environmental Management - Routine inspectionsOther Environmental Practices: Recycling - Electronics, cans, bottles, s
Other Environmental Practices: Recycling - The amount recycled is the difference between the amount produced and the amount released to the environment. T
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Source Reduction: W19: Other changes in operating practices
Source Reduction: W41: Increased purity or raw materials
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Source Reduction: W50: Optimized reaction conditions or otherwise increased efficiency of synthesis - Fully instituted Yield Improvement Project, which increase
Other Environmental Practices: General Environmental Management - SO 14001: 2004 certified facility
Other Environmental Practices: Dust collectors are installed on silos.
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]

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QUALITY STEEL CORP OF MS (QUALITY STEEL CORP)
ADVANCED ENERGY INDUSTRIES INC (NA)
BASALITE CONCRETE PRODUCTS LLC (PACIFIC COAST BUILDING PRODUCTS)
BASIN TRANSLOAD_STAMPEDE BULK STORAGE (BASIN TRANSLOAD)
FCT COS INC (NA)
HEXCEL CORP (HEXCEL CORP)
HOH WATER TECHNOLOGY INC (HOH WATER TECHNOLOGY INC)
PARKSITE TREATING FACILITY FARGO (PARKSITE INC)
PARKSITE TREATING FACILITY FARGO (PARKSITE INC)
SPARTON ONYX LLC (SPARTON CORP)
THATCHER CO (THATCHER CO)
TWIN CITY DIE CASTINGS CO - WATERTOWN DIV (TWIN CITY DIE CASTINGS CO)
U.S. ARMY TOOELE ARMY DEPOT (US DEPARTMENT OF DEFENSE)
VESTAS BLADES AMERICA INC BRIGHTON (VESTAS BLADES AMERICA INC)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
KLOPPENBERG & CO (NA)
BRODY CHEMICAL (NA)
TRAIL KING INDUSTRIES INC (TEEKAY ACQUISITIONS S LLC)
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TRAIL KING INDUSTRIES INC (TEEKAY ACQUISITIONS S LLC)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
LOVELAND PRODUCTS INC-BILLINGS (FORMERLY TRANSBAS) (AGRIUM INC)
LOVELAND PRODUCTS INC-BILLINGS (FORMERLY TRANSBAS) (AGRIUM INC)
LOVELAND PRODUCTS INC-BILLINGS (FORMERLY TRANSBAS) (AGRIUM INC)
TOSHIBA AMERICA BUSINESS SOLUTIONS INC TONER PRODUCTS DIV (TOSHIBA AMERICA BUSINESS SOLUTIONS INC)
KMG ELECTRONIC CHEMICALS INC (KMG CHEMICALS INC)
BRODY CHEMICAL (NA)
KMG ELECTRONIC CHEMICALS INC (KMG CHEMICALS INC)

5520 W OLD BINGHAM HWY, WEST JORDAN,UT 84081
2424 MIDPOINT DR, FORT COLLINS,CO 80525
3255 DRENNAN RD, COLORADO SPRINGS,CO 80910
10154 93RD AVE, COLUMBUS,ND 58727
1309 N 17TH AVE, GREELEY,CO 80631
31815 GREAT WESTERN DRIVE, WINDSOR,CO 80550
2008 N WESTPORT AVE, SIOUX FALLS,SD 57107
115 31ST ST S, FARGO,ND 58103
115 31ST ST S, FARGO,ND 58103
2920 KELLY AVE, WATERTOWN,SD 57201
1905 FORTUNE RD, SALT LAKE CITY,UT 84104
122 CESSNA ST NW, WATERTOWN,SD 57201
ATTN: JMTE-GME 1 TOOELE ARMY DEPOT BLDG 501, TOOELE,UT 840745003
1500-B E CROWN PRINCE BLVD, BRIGHTON,CO 80603
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001
2627 W OXFORD AVE, SHERIDAN,CO 80110
6125 W DOUBLE EAGLE CIR, SALT LAKE CITY,UT 84118
2200 S OHLMAN ST, MITCHELL,SD 57301
2200 S OHLMAN ST, MITCHELL,SD 57301
2200 S OHLMAN ST, MITCHELL,SD 57301
2200 S OHLMAN ST, MITCHELL,SD 57301
2130 3RD AV NW, WEST FARGO,ND 58078
2130 3RD AV NW, WEST FARGO,ND 58078
2130 3RD AV NW, WEST FARGO,ND 58078
2130 3RD AV NW, WEST FARGO,ND 58078
217 DELL RANGE BLVD., CHEYENNE,WY 82009
1525 LOCKWOOD RD, BILLINGS,MT 59101
1525 LOCKWOOD RD, BILLINGS,MT 59101
1525 LOCKWOOD RD, BILLINGS,MT 59101
901 N FOSTER ST, MITCHELL,SD 57301
250 WILLIAM WHITE BLVD, PUEBLO,CO 81001
6125 W DOUBLE EAGLE CIR, SALT LAKE CITY,UT 84118
250 WILLIAM WHITE BLVD, PUEBLO,CO 81001

Manganese
Lead
Mercury
Propylene
Lead
Copper
Sodium Nitrite
Arsenic
Chromium Compounds(Except Chromite Ore Mined In The Transvaal Region)
Lead Compounds
Nitrate Compounds
Copper
Lead Compounds
Diisocyanates
Ethylene
Propylene
Chromium
Certain Glycol Ethers
Manganese
Nickel
Chromium
Copper
Manganese
Nickel
Chromium
Copper
Naphthalene
Methoxone
Dicamba
2,4-D 2-Ethylhexyl Ester
Cyanide Compounds
Hydrogen Fluoride
Methanol
Nitric Acid

332420: Metal Tank (Heavy Gauge) Manufacturing	5,984.00	5,779.00
335999: All Other Miscellaneous Electrical Equipment and Component Manufacturing	0	0
327331: Concrete Block and Brick Manufacturing	0	0
424710: Petroleum Bulk Stations and Terminals	0	0
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing	0	0
325211: Plastics Material and Resin Manufacturing	0	0
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing	0	0
321114: Wood Preservation	0	0
321114: Wood Preservation	0	0
334418: Printed Circuit Assembly (Electronic Assembly) Manufacturing	0	0
325180: Other Basic Inorganic Chemical Manufacturing	0	0
331523: Nonferrous Metal Die-Casting Foundries	0	0
928110: National Security	0	0
333611: Turbine and Turbine Generator Set Units Manufacturing	0	0
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	1	1
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	1	1
332322: Sheet Metal Work Manufacturing	1	1
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing	5	5
336212: Truck Trailer Manufacturing	5	5
336212: Truck Trailer Manufacturing	5	5
336212: Truck Trailer Manufacturing	5	5
336212: Truck Trailer Manufacturing	5	5
336212: Truck Trailer Manufacturing	5	5
336212: Truck Trailer Manufacturing	5	5
336212: Truck Trailer Manufacturing	5	5
336212: Truck Trailer Manufacturing	5	5
928110: National Security	5.1	5.1
325320: Pesticide and Other Agricultural Chemical Manufacturing	10	10
325320: Pesticide and Other Agricultural Chemical Manufacturing	10	10
325320: Pesticide and Other Agricultural Chemical Manufacturing	10	10
325992: Photographic Film, Paper, Plate, and Chemical Manufacturing	15	15
325180: Other Basic Inorganic Chemical Manufacturing	60	60
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing	250	250
325180: Other Basic Inorganic Chemical Manufacturing	280	280

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Other Environmental Practices: Recycling - We continue to recycle slag/flux as much as possible, which helps reduce landfill and lessens purchases of virgin flux.
Other Environmental Practices: Recycling - Lead containing waste generated at this facility is primarily electronic "e-waste" consisting of circuit boards which ma
Source Reduction: W64: Improved draining procedures - Installed check dams at the south storm drain, and sediment trap at the storm drain in the north storm c
Other Environmental Practices: Energy Recovery - on site otherwise used - building heating and VDU powering
Source Reduction: W82: Modified design or composition of product - Leas was removed from much of both solder bars and solder paste produced at the site. Me
Source Reduction: W19: Other changes in operating practices - Copper is no longer in use by facility as of late 2017. Process eliminated. Methods to Identify SR O
Other Environmental Practices: General Environmental Management - Your tank rinsate for next batch of product
Other Environmental Practices: Recycling - We keep the chemical contained in the treating facility, and is recycled through the system during the treating proces
Other Environmental Practices: Recycling - The Chemical is in a constant state of being recycled through the system during the treatment process, any excess tha
Source Reduction: W19: Other changes in operating practices - Changing more of our processes to lead free solder.
Source Reduction: W89: Other product modifications - Beneficial Use
Other Environmental Practices: Recycling - The copper reported is from scrap aluminum produced from machining and dross skimmed from furnaces. All is recyc
Other Environmental Practices: Recycling - All recovered metals are sent to off-site recycler
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers Source Reduction: W21: Instituted procedures to ensu
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Other Environmental Practices: Recycling - Kloppenberg & Company sent 192,500 pounds of stainless steel scrap to a metals recycler in 2017, this amount of stai
Source Reduction: Source Reduction - Working on processes to blend more efficiently, which will reduce container emissions.
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: General Environmental Management - Environmental Management System utilized to monitor and control usage.
Other Environmental Practices: Recycling - Recycle rinses in production when ever possibleSource Reduction: Source Reduction - Dust control, scheduling efficie
Source Reduction: Source Reduction - dust collection, scheduling efficienciesOther Environmental Practices: Recycling - Rinses are recycled in like products
Other Environmental Practices: Recycling - Recycle in compatible products
Source Reduction: W82: Modified design or composition of product - Product containing cyanide components was phased out in CY2017. Other Environmental P
Source Reduction: W39: Other spill or leak prevention - Improved training of operators and forklift drivers to eliminate handling errors and spills. Other Environr
Source Reduction: Source Reduction - Working on processes to be more efficient, which will reduce container emissions.
Source Reduction: W39: Other spill or leak prevention - Improved training for production employees and forklift drivers to reduce or eliminate spills. Other Envir

Recycling of o
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WYOMING REFINING CO (PAR PACIFIC)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
CHELATED MINERALS CORP (BALCHEM CORP)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
EDO CORP WESTERN DIV (HARRIS CORP)
WYOMING REFINING CO (PAR PACIFIC)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
WYOMING REFINING CO (PAR PACIFIC)
GOLDEN ALUMINUM (NA)
MANITOU AMERICAS INC (MANITOU AMERICAS INC)
NORTHROP GRUMMAN SYSTEMS COPORATION (NORTHROP GRUMMAN CORP)
CERRO WIRE LLC (BERKSHIRE HATHAWAY INC)
AMERICAN PACIFIC CORP UTAH OPERATIONS (AMERICAN PACIFIC CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
CORIXA CORP D/B/A GLAXOSMITHKLINE VACCINES - HAMILTON (GLAXOSMITHKLINE LLC)
FORTERRA PRECAST CONCEPTS INC (FORTERRA INC)
FORTERRA PRECAST CONCEPTS INC (FORTERRA INC)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
MARMEN ENERGY CO (NA)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
TWIN CITY DIE CASTINGS CO - WATERTOWN DIV (TWIN CITY DIE CASTINGS CO)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)

10 STAMPEDE ST, NEWCASTLE,WY 82701
48450 144TH ST, BIG STONE CITY,SD 57216
3310 WEST 900 SOUTH, SALT LAKE CITY,UT 84104
48450 144TH ST, BIG STONE CITY,SD 57216
48450 144TH ST, BIG STONE CITY,SD 57216
2645 S 300 W, SALT LAKE CITY,UT 84115
10 STAMPEDE ST, NEWCASTLE,WY 82701
48450 144TH ST, BIG STONE CITY,SD 57216
217 DELL RANGE BLVD., CHEYENNE,WY 82009
10 STAMPEDE ST, NEWCASTLE,WY 82701
1405 E 14TH ST, FORT LUPTON,CO 80621
900 FERDIG AVE, YANKTON,SD 57078
2211 W NORTH TEMPLE, SALT LAKE CITY,UT 84116
1160 W 2150 N, OGDEN,UT 84404
10622 W 6400 N, CEDAR CITY,UT 84721
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523
3726 135TH AVENUE SW, BELFIELD,ND 58622
3726 135TH AVENUE SW, BELFIELD,ND 58622
3726 135TH AVENUE SW, BELFIELD,ND 58622
3726 135TH AVENUE SW, BELFIELD,ND 58622
553 OLD CORVALLIS RD, HAMILTON,MT 59840
9405 ALTON CT, HENDERSON,CO 80640
2311 RIVER RD, GRAND JUNCTION,CO 81505
6240 13TH ST SW, BEULAH,ND 58523
3726 135TH AVENUE SW, BELFIELD,ND 58622
1820 N. PLUM AVE., BRANDON,SD 57005
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523
122 CESSNA ST NW, WATERTOWN,SD 57201
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523

Hydrogen Sulfide
Hydrochloric Acid (1995 And After "Acid Aerosols" Only)
Zinc Compounds
Benzo(G,H,I)Perylene
Dioxin And Dioxin-Like Compounds
Lead Compounds
Hydrogen Fluoride
Hydrogen Fluoride
Toluene
Naphthalene
Chromium
Chromium
Lead
Antimony Compounds
Ammonia
Arsenic Compounds
Hydrogen Fluoride
Dioxin And Dioxin-Like Compounds
Benzene
Ethylbenzene
Toluene
N-Hexane
Methanol
Mercury
Lead
Zinc Compounds
Cyclohexane
Manganese
Lead Compounds
Barium Compounds
Mercury Compounds
Lead
Chromium Compounds(Except Chromite Ore Mined In The Transvaal Region)
Sulfuric Acid (1994 And After "Acid Aerosols" Only)

324110: Petroleum Refineries	403.9	403.9
221112: Fossil Fuel Electric Power Generation	12,300.00	12,300.00
311119: Other Animal Food Manufacturing	5,623.00	5,626.00
221112: Fossil Fuel Electric Power Generation	0.05	0.05
221112: Fossil Fuel Electric Power Generation	0.43	0.43
334511: Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufactu	85,170.96	85,415.70
324110: Petroleum Refineries	851.7	855
221112: Fossil Fuel Electric Power Generation	2,300.00	2,310.00
928110: National Security	50.9	51.2
324110: Petroleum Refineries	170.47	173.91
331315: Aluminum Sheet, Plate, and Foil Manufacturing	3,079.00	3,150.00
333120: Construction Machinery Manufacturing	166.12	171.14
334511: Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufactu	0.47	0.49
331420: Copper Rolling, Drawing, Extruding, and Alloying	24,347.05	25,816.05
325180: Other Basic Inorganic Chemical Manufacturing	27,556.00	29,349.00
221112: Fossil Fuel Electric Power Generation	20,151.00	21,563.00
221112: Fossil Fuel Electric Power Generation	9,213.00	9,881.00
221112: Fossil Fuel Electric Power Generation	0.52	0.56
424710: Petroleum Bulk Stations and Terminals	40	43
424710: Petroleum Bulk Stations and Terminals	37	40
424710: Petroleum Bulk Stations and Terminals	37	40
424710: Petroleum Bulk Stations and Terminals	154	167
325412: Pharmaceutical Preparation Manufacturing	526	570.6
327390: Other Concrete Product Manufacturing	0.01	0.01
327390: Other Concrete Product Manufacturing	0.04	0.04
221112: Fossil Fuel Electric Power Generation	20,609.00	22,366.00
424710: Petroleum Bulk Stations and Terminals	33	36
332312: Fabricated Structural Metal Manufacturing	13,825.60	15,085.20
221112: Fossil Fuel Electric Power Generation	8,549.95	9,358.03
221112: Fossil Fuel Electric Power Generation	1,019,941.00	1,128,848.00
221112: Fossil Fuel Electric Power Generation	209.53	232.19
331523: Nonferrous Metal Die-Casting Foundries	1.62	1.8
221112: Fossil Fuel Electric Power Generation	23,661.00	26,493.00
221112: Fossil Fuel Electric Power Generation	408	463

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0.05%
0.20%
0.21%
0.29%
0.39%
0.43%
0.59%
2.02%
2.31%
3.02%
4.06%
6.03%
6.51%
7.01%
7.25%
7.26%
7.50%
8.11%
8.11%
8.44%
8.48%
8.51%
8.52%
8.53%
9.09%
9.11%
9.45%
10.68%
10.81%
11.11%
11.97%
13.48%

Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Source Reduction: W50: Optimized reaction conditions or otherwise increased efficiency of synthesis - Reformulated the material to increase efficiencies.
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Source Reduction: W19: Other changes in operating practices[-5-14%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: General Environmental Management - Environmental management System utilized to monitor and control usage.
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W19: Other changes in operating practices - change set-points for chemical additions Methods to Identify SR Opportunities: T11: Other - in-ho
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures
Other Environmental Practices: Recycling - We have focused heavily on a recycling/reclamation efforts in 2017. We have looked for ways to recycle, reuse, and re
Source Reduction: W15: Introduced an in-line product quality monitoring or other process analysis system[-5-14%] - Improved bleeder tracking at the line and pro
Source Reduction: Source Reduction - We are still exploring options and feasibility to reprocess and sell the ammonium hydroxide for potential agricultural appli
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was installed in March of 2015.
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was installed in March of 2015.
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was installed in March of 2015.
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was installed in March of 2015.
Source Reduction: W58: Other process modifications - Internal process improvement resulted in increased in production yield per batch Methods to Identify SR C
Other Environmental Practices: Dust collectors are installed on silos.
Other Environmental Practices: Dust collectors are installed on silos.
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was installed in March of 2015.
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures - Better record-keeping available for amount recycled. Other Environr
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Waste Treatment - An activated carbon injection system has been installed at the facility. This reduces the mercury emissions rat
Other Environmental Practices: Recycling - The lead reported is from scrap aluminum produced from machining and dross skimmed from furnaces. All is recyclec
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev

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Opportunities:

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AMERICAN PACIFIC CORP UTAH OPERATIONS (AMERICAN PACIFIC CORP)
FIBERGLASS SPECIALTIES INC (FIBERGLASS SPECIALITIES INC)
THE BERGQUIST CO (HENKEL CORP)
THE BERGQUIST CO (HENKEL CORP)
BLACK HILLS CORP - NEIL SIMPSON COMPLEX (BLACK HILLS CORP)
WOODLAND CABINETRY INC (NA)
MONTANA SULPHUR & CHEMICAL CO (NA)
WYOMING REFINING CO (PAR PACIFIC)
BD MEDICAL (BECTON DICKINSON & CO)
WOODLAND CABINETRY INC (NA)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
MANITOU AMERICAS INC (MANITOU AMERICAS INC)
WYOMING REFINING CO (PAR PACIFIC)
WOODLAND CABINETRY INC (NA)
THARALDSON ETHANOL PLANT I LLC (NA)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
THE BERGQUIST CO (HENKEL CORP)
KMG ELECTRONIC CHEMICALS INC (KMG CHEMICALS INC)
INTERTAPE POLYMER GROUP BRIGHTON FACILITY (INTERTAPE POLYMER GROUP)
WYOMING REFINING CO (PAR PACIFIC)
INTERTAPE POLYMER GROUP BRIGHTON FACILITY (INTERTAPE POLYMER GROUP)
WYOMING REFINING CO (PAR PACIFIC)
VALMONT COATINGS INTERMOUNTAIN GALVANIZING (VALMONT INDUSTRIES INC)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
US DEPARTMENT OF THE TREASURY US MINT DENVER (US DEPARTMENT OF THE TREASURY)
NESTLE USA-PREPARED FOODS DIV INC (NESTLE USA INC)
CHELATED MINERALS CORP (BALCHEM CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
VISHAY-DALE ELECTRONICS (VISHAY INTERTECHNOLOGY INC)
HACH CO LOVELAND (NA)

10622 W 6400 N, CEDAR CITY,UT 84721
1225 14TH ST SE, WATERTOWN,SD 57201
600 WILLOW ST., BRANDON,SD 57005
600 WILLOW ST., BRANDON,SD 57005
13151 HWY 51, GILLETTE,WY 82718
2415 SD HWY 10, SISSETON,SD 57262
627 EXXONMOBIL RD, BILLINGS,MT 59101
10 STAMPEDE ST, NEWCASTLE,WY 82701
9450 SOUTH STATE, SANDY,UT 84070
2415 SD HWY 10, SISSETON,SD 57262
10 STAMPEDE ST, NEWCASTLE,WY 82701
10 STAMPEDE ST, NEWCASTLE,WY 82701
900 FERDIG AVE, YANKTON,SD 57078
10 STAMPEDE ST, NEWCASTLE,WY 82701
2415 SD HWY 10, SISSETON,SD 57262
3549 153RD AVENUE SE, CASSELTON,ND 58012
10 STAMPEDE ST, NEWCASTLE,WY 82701
10 STAMPEDE ST, NEWCASTLE,WY 82701
600 WILLOW ST., BRANDON,SD 57005
250 WILLIAM WHITE BLVD, PUEBLO,CO 81001
1095 S FOURTH AVE, BRIGHTON,CO 80601
10 STAMPEDE ST, NEWCASTLE,WY 82701
1095 S FOURTH AVE, BRIGHTON,CO 80601
10 STAMPEDE ST, NEWCASTLE,WY 82701
1085 WEST 400 NORTH, LINDON,UT 84042
10 STAMPEDE ST, NEWCASTLE,WY 82701
10 STAMPEDE ST, NEWCASTLE,WY 82701
320 W COLFAX AVE, DENVER,CO 80204
815 W RAYMOND KLAUCK WAY, SPRINGVILLE,UT 84663
3310 WEST 900 SOUTH, SALT LAKE CITY,UT 84104
6240 13TH ST SW, BEULAH,ND 58523
6240 13TH ST SW, BEULAH,ND 58523
1505 E HWY 50, YANKTON,SD 57078
5600 LINDBERGH DR, LOVELAND,CO 80538

Lead Compounds
Styrene
Xylene (Mixed Isomers)
Ethylbenzene
Barium Compounds
Xylene (Mixed Isomers)
Hydrogen Sulfide
Xylene (Mixed Isomers)
Diisocyanates
N-Butyl Alcohol
1,3-Butadiene
Toluene
Manganese
Cyclohexane
Methanol
N-Hexane
N-Hexane
Cresol (Mixed Isomers)
Toluene
Ammonia
Toluene
Ethylbenzene
N-Hexane
Ammonia
Zinc Compounds
Styrene
Benzene
Copper
Ammonia
Cobalt Compounds
Manganese Compounds
Hydrochloric Acid (1995 And After "Acid Aerosols" Only)
Lead Compounds
Lead

325180: Other Basic Inorganic Chemical Manufacturing	39,326.00	44,626.00
326199: All Other Plastics Product Manufacturing	7,745.00	8,842.00
325520: Adhesive Manufacturing	1,274.00	1,466.00
325520: Adhesive Manufacturing	364	419
221112: Fossil Fuel Electric Power Generation	1,517,104.86	1,750,091.84
337110: Wood Kitchen Cabinet and Countertop Manufacturing	35,713.07	41,213.24
325180: Other Basic Inorganic Chemical Manufacturing	11,490.00	13,323.00
324110: Petroleum Refineries	1,623.70	1,901.60
339112: Surgical and Medical Instrument Manufacturing	25.4	30
337110: Wood Kitchen Cabinet and Countertop Manufacturing	23,032.54	27,338.89
324110: Petroleum Refineries	103.9	124.42
324110: Petroleum Refineries	4,151.72	5,048.03
333120: Construction Machinery Manufacturing	283.7	345.65
324110: Petroleum Refineries	889.86	1,111.41
337110: Wood Kitchen Cabinet and Countertop Manufacturing	38,464.37	49,124.69
325193: Ethyl Alcohol Manufacturing	9,137.46	11,842.24
324110: Petroleum Refineries	3,111.90	4,044.97
324110: Petroleum Refineries	1.3	1.7
325520: Adhesive Manufacturing	489	655
325180: Other Basic Inorganic Chemical Manufacturing	1,901.00	2,560.00
322220: Paper Bag and Coated and Treated Paper Manufacturing	10,288.20	13,885.20
324110: Petroleum Refineries	300.19	408.69
322220: Paper Bag and Coated and Treated Paper Manufacturing	29,069.10	39,753.10
324110: Petroleum Refineries	512	712.1
332812: Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	5,579.70	7,833.00
324110: Petroleum Refineries	12.38	17.68
324110: Petroleum Refineries	1,227.90	1,950.58
332119: Metal Crown, Closure, and Other Metal Stamping (except Automotive)	1,837.67	2,984.99
311412: Frozen Specialty Food Manufacturing	14,573.00	24,299.20
311119: Other Animal Food Manufacturing	1	2
221112: Fossil Fuel Electric Power Generation	111,738.00	224,578.00
221112: Fossil Fuel Electric Power Generation	3,518.00	8,708.00
334416: Electronic Coil, Transformer, and Other Inductor Manufacturing	0.17	0.45
334516: Analytical Laboratory Instrument Manufacturing	38.39	107.02

13.48%
14.16%
15.07%
15.11%
15.36%
15.40%
15.95%
17.12%
18.11%
18.70%
19.75%
21.59%
21.84%
24.90%
27.71%
29.60%
29.98%
30.77%
33.95%
34.67%
34.96%
36.14%
36.75%
39.08%
40.38%
42.81%
58.85%
62.43%
66.74%
100%
100.99%
147.53%
170.91%
178.72%

Source Reduction: Source Reduction - R&D efforst would reduce waste significantaly if able to implement
Source Reduction: W75: Changed from spray to other system[-0-4%]
Source Reduction: W71: Other cleaning and degreasing modifications
Source Reduction: W71: Other cleaning and degreasing modifications
Other Environmental Practices: The waste ash, which contains barium is being used for fill in the mine reclamation process.
Source Reduction: W56: Reduced or eliminated use of an organic solvent
Other Environmental Practices: Implementation of the Flare Gas Treatment Unit The purpose of the FGTU is to treat certain hydrogen sulfide bearing gases, inclu
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: We are continuing to modify our process where the finished product is used, to reduce scrap and thereby reduce the amount of this chemical t
Source Reduction: W56: Reduced or eliminated use of an organic solvent[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W56: Reduced or eliminated use of an organic solvent
Source Reduction: W19: Other changes in operating practices
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W71: Other cleaning and degreasing modifications
Source Reduction: W35: Installed vapor recovery systems - improved equipment changes to increase production and reduce amount of time to produce batches
Other Environmental Practices: Recycling - solvent recovery system used to capture and reuse toluene
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Other Environmental Practices: Recycling - Solvent recovery system used to capture and reuse hexane
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W15: Introduced an in-line product quality monitoring or other process analysis system
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures
Other Environmental Practices: Recycling - Metals Recovery, waste and scrap collected and sent to original vendor.
Source Reduction: W39: Other spill or leak prevention - Started the installation of improved-design ammonia compressor seal and started using improved o-ring
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - product made once per year
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Efforts continue to recycle iron powder used in the manufacturing process.
Source Reduction: W42: Substituted raw materials Source Reduction: W82: Modified design or composition of product Methods to Identify SR Opportunities: T01

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L: Internal Poll

WESTERN SUGAR COOPERATIVE LOVELL FACTORY (WESTERN SUGAR COOPERATIVE)
DESIGN TANKS (DESIGN TANKS LLC)
WYOMING REFINING CO (PAR PACIFIC)
JOHN DEERE ELECTRONIC SOLUTIONS (DEERE & CO)
FORTERRA PRECAST CONCEPTS INC (FORTERRA INC)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
PRISMVIEW LLC (SAMSUNG ELECTRONICS AMERICA INC)
INOVAR INC (INOVAR)
VALMONT COATINGS INTERMOUNTAIN GALVANIZING (VALMONT INDUSTRIES INC)
ROCKY MOUNTAIN PRESTRESS LLC (STRUCTURAL PLANT) (PHELPS TOINTON)
VESTAS BLADES AMERICA INC WINDSOR (VESTAS BLADES AMERICA INC)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
UNICIRCUIT INC (ANAREN INC)
PILKINGTON METAL FINISHING LLC (PILKINGTON METAL FINISHING LLC)
INNOPHOS NUTRITION NORTH SALT LAKE (INNOPHOS INC)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
ANIMAS GLACIER GRAVEL (OLDCASTLE INC)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
BASALITE CONCRETE PRODUCTS LLC (PACIFIC COAST BUILDING PRODUCTS)
SILVER EAGLE REFINING WOODS CROSS (THE INTERNATIONAL GROUP INC)
WOODWARD INC (WOODWARD INC)
WOODWARD INC (WOODWARD INC)
ANIMAS GLACIER GRAVEL (OLDCASTLE INC)
WOODWARD INC (WOODWARD INC)
ROCKY MOUNTAIN PRESTRESS LLC (ARCHITECTURAL PLANT) (PHELPS TOINTON)

400 GREAT WESTERN AVE, LOVELL,WY 82431
18427 N HWY 85, BELLE FOURCHE,SD 57717
10 STAMPEDE ST, NEWCASTLE,WY 82701
1441 44TH ST NW, FARGO,ND 58102
9405 ALTON CT, HENDERSON,CO 80640
10 STAMPEDE ST, NEWCASTLE,WY 82701
10 STAMPEDE ST, NEWCASTLE,WY 82701
1651 N 1000 W, LOGAN,UT 84321
1073 WEST 1700 NORTH, LOGAN,UT 84321
1085 WEST 400 NORTH, LINDON,UT 84042
5801 PECOS ST, DENVER,CO 80221
11140 EASTMAN PARK DR, WINDSOR,CO 80550
6240 13TH ST SW, BEULAH,ND 58523
8192 S PARK LN, LITTLETON,CO 80120
1225 S LEGACY VIEW ST, SALT LAKE CITY,UT 84104
680 N 700 W, NORTH SALT LAKE,UT 84054
217 DELL RANGE BLVD., CHEYENNE,WY 82009
217 DELL RANGE BLVD., CHEYENNE,WY 82009
9755 CR 213, DURANGO,CO 81301
217 DELL RANGE BLVD., CHEYENNE,WY 82009
3255 DRENNAN RD, COLORADO SPRINGS,CO 80910
2355 S 1100 W, WOODS CROSS,UT 84087
1041 WOODWARD WAY, FORT COLLINS,CO 80524
1041 WOODWARD WAY, FORT COLLINS,CO 80524
9755 CR 213, DURANGO,CO 81301
1041 WOODWARD WAY, FORT COLLINS,CO 80524
301 W 60TH PL, DENVER,CO 80221

Ammonia
Styrene
1,2,4-Trimethylbenzene
Lead
Lead
Cumene
Propylene
Lead Compounds
Lead
Lead
Lead
Diisocyanates
Nickel Compounds
Copper Compounds
Trichloroethylene
Manganese Compounds
Xylene (Mixed Isomers)
Benzene
Lead
Ethylbenzene
Lead Compounds
Mercury
Nickel
Chromium
Mercury
Copper
Lead

311313: Beet Sugar Manufacturing	2,189.00	8,124.00
326199: All Other Plastics Product Manufacturing	1,255.00	5,529.00
324110: Petroleum Refineries	15.8	83.65
334418: Printed Circuit Assembly (Electronic Assembly) Manufacturing	0.28	2.09
327390: Other Concrete Product Manufacturing	0.04	0.28
324110: Petroleum Refineries	16.59	230.02
324110: Petroleum Refineries	122.37	1,859.18
339950: Sign Manufacturing	0.18	3.22
334418: Printed Circuit Assembly (Electronic Assembly) Manufacturing	0.33	27.33
332812: Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	9.5	815
327390: Other Concrete Product Manufacturing	0.04	10
326199: All Other Plastics Product Manufacturing	0	34,051.00
221112: Fossil Fuel Electric Power Generation	0	20,810.00
334412: Bare Printed Circuit Board Manufacturing	0	6,721.50
332813: Electroplating, Plating, Polishing, Anodizing, and Coloring	0	850
325411: Medicinal and Botanical Manufacturing	0	516.8
928110: National Security	0	72.7
928110: National Security	0	20.3
327320: Ready-Mix Concrete Manufacturing	0	14.64
928110: National Security	0	11
327331: Concrete Block and Brick Manufacturing	0	9.29
324110: Petroleum Refineries	0	2
333618: Other Engine Equipment Manufacturing	0	0.28
333618: Other Engine Equipment Manufacturing	0	0.1
327320: Ready-Mix Concrete Manufacturing	0	0.1
333618: Other Engine Equipment Manufacturing	0	0.08
327390: Other Concrete Product Manufacturing	0	0.001523

271.13%
340.56%
429.43%
644.81%
672.92%
1286.50%
1419.31%
1678.64%
8181.82%
8478.95%
27062.29%
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Other Environmental Practices: General Environmental Management - Fugitive ammonia generation is a by product of beet sugar manufacturing.
Source Reduction: W21: Instituted procedures to ensure that materials do not stay in inventory beyond - Document and write on the drum the received and use-
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W58: Other process modifications - We continue to see improvements via the use of the nitrogen-filled wave solder devices. Limiting oxidatic
Other Environmental Practices: Dust collectors are installed on silos.
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W42: Substituted raw materials - Using Lead Free soldering on all electronic assemblies Methods to Identify SR Opportunities: T11: Other - Usi
Other Environmental Practices: Recycling - We have a team that has taken our recycling to a higher level working with a local recycling company.
Source Reduction: W15: Introduced an in-line product quality monitoring or other process analysis system
Source Reduction: W82: Modified design or composition of product[-50-99%]
Source Reduction: W19: Other changes in operating practices - We began separating the isocyante hardeners from the amine hardeners in 2017. We also pushe
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Recycling - This facility reclaims approximately 47% of it Copper Materials
Source Reduction: Source Reduction - Upgrade equipment for emission reduction.
Other Environmental Practices: General Environmental Management - Our dust collection systems include cyclones and bag houses to reduce our emissions.
Other Environmental Practices: General Environmental Management - Environmental Management System utilized to monitor and control usage.
Other Environmental Practices: General Environmental Management - Environmental Management System utilized to monitor and control usage.
Other Environmental Practices: Recycling - Unused concrete returned to the facility is allowed to cure and is periodically reprocessed into road base gravel mater
Other Environmental Practices: General Environmental Management - Environmental Management System utilized to monitor and control usage
Source Reduction: W64: Improved draining procedures - Installed check dams at storm drains
Source Reduction: W29: Other changes in inventory control - Getting rid of mercury-containing lab equipment and, when feasible, not purchasing equipment tha
Other Environmental Practices: General Environmental Management - ISO14001 Certified FacilityOther Environmental Practices: Waste Treatment - All machinir
Other Environmental Practices: General Environmental Management - Facility is ISO14001 Certified.Other Environmental Practices: Waste Treatment - All metal
Other Environmental Practices: Recycling - Unused concrete returned to this facility is allowed to cure and is periodically reprocessed into road base gravel mate
Other Environmental Practices: General Environmental Management - ISO14001 Certified.Source Reduction: Methods for Identifying Pollution Prevention Oppor
Source Reduction: Source Reduction - No flyash used during 2017 RY

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Facility Name
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
CHELATED MINERALS CORP (BALCHEM CORP)
TECTON PRODUCTS LLC (MARVIN LUMBER & CEDAR CO)
TTM TECHNOLOGIES INC (TTM TECHNOLOGIES INC)
THATCHER CO (THATCHER CO)
MICRO MOTION INC (EMERSON ELECTRIC CO)
O'NEAL MANUFACTURING SERVICES (O'NEAL STEEL INC)
HEXCEL CORP (HEXCEL CORP)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
HEXCEL CORP (HEXCEL CORP)
WOODWARD INC (WOODWARD INC)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
AVAGO TECHNOLOGIES INC FORT COLLINS COLORADO (BROADCOM LTD)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
ULTRAMAX AMMUNITION (NA)
VESTAS TOWERS AMERICA (VESTAS TOWERS AMERICA INC)
AZZ GALVANIZING -DENVER (AZZ INC)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
BOULDER SCIENTIFIC CO MEAD FACILITY (BOULDER SCIENTIFIC CO)
INNOPHOS NUTRITION NORTH SALT LAKE (INNOPHOS INC)
AUTOLIV ASP INC (AUTOLIV INC)
BASALITE (PACIFIC COAST BUILDING PRODUCTS)
CERRO WIRE LLC (BERKSHIRE HATHAWAY INC)
HANKINSON RENEWABLE ENERGY LLC (GUARDIAN ENERGY MANAGEMENT LLC)
DESIGN TANKS LLC (NA)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
GATES CORP (GATES CORP)
SHOWPLACE WOOD PRODUCTS (SHOWPLACE WOOD PRODUCTS)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
FORTERRA CONCRETE PRODUCTS - MENOKEN (FORTERRA INC)
SMITHFIELD PACKAGED MEATS CORP - SIOUX FALLS (UNITED GLOBAL FOODS US HOLDINGS INC)

Address	Chemical Name
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001	Polycyclic Aromatic Compounds
3310 WEST 900 SOUTH, SALT LAKE CITY,UT 84104	Copper Compounds
4401 15TH AVE N, FARGO,ND 58102	Styrene
710 N 600 W, LOGAN,UT 84321	Formic Acid
1905 FORTUNE RD, SALT LAKE CITY,UT 84104	Chlorine
7070 WINCHESTER CIR, BOULDER,CO 80301	Chromium
319 LOCKHEED ST, PUEBLO,CO 81001	Manganese
31815 GREAT WESTERN DRIVE, WINDSOR,CO 80550	N-Methyl-2-Pyrrolidone
100 TOWERS ROAD, PUEBLO,CO 81004	Manganese
31815 GREAT WESTERN DRIVE, WINDSOR,CO 80550	Diuron
1000 E DRAKE RD, FORT COLLINS,CO 80525	Chromium
100 TOWERS ROAD, PUEBLO,CO 81004	Ethylbenzene
100 TOWERS ROAD, PUEBLO,CO 81004	N-Butyl Alcohol
4380 ZIEGLER RD, FORT COLLINS,CO 80525	N-Methyl-2-Pyrrolidone
100 TOWERS ROAD, PUEBLO,CO 81004	Xylene (Mixed Isomers)
2112 ELK VALE RD, RAPID CITY,SD 57701	Lead
100 TOWERS ROAD, PUEBLO,CO 81004	Zinc (Fume Or Dust)
4400 E 61ST AVE, COMMERCE CITY,CO 80022	Zinc Compounds
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001	1,3-Butadiene
598 THIRD ST, MEAD,CO 80542	Pyridine
680 N 700 W, NORTH SALT LAKE,UT 84054	Zinc Compounds
1360 N 1000 W, TREMONTON,UT 84337	N-Hexane
4900 RACE ST, DENVER,CO 80216	Mercury
1160 W 2150 N, OGDEN,UT 84404	Copper
9230 COUNTY RD 1, HANKINSON,ND 58041	Methanol
612 W BLACKHAWK ST, SIOUX FALLS,SD 57104	Styrene
48450 144TH ST, BIG STONE CITY,SD 57216	Lead Compounds
700 E REDWOOD BLVD, BRANDON,SD 57005	Lead
1 ENTERPRISE ST, HARRISBURG,SD 57032	N-Butyl Alcohol
48450 144TH ST, BIG STONE CITY,SD 57216	Barium Compounds
1101 158TH ST NE, MENOKEN,ND 58558	Lead
1400 N WEBER AVE, SIOUX FALLS,SD 57117	Ammonia

Industry	Prior Year Release *	Current Year Release *	Percent Change
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	37.2	0	-100%
311119: Other Animal Food Manufacturing	192	13	-93.23%
326199: All Other Plastics Product Manufacturing	18,837.30	1,769.70	-90.61%
334412: Bare Printed Circuit Board Manufacturing	177	19	-89.27%
325180: Other Basic Inorganic Chemical Manufacturing	1,123.00	181	-83.88%
334514: Totalizing Fluid Meter and Counting Device Manufacturing	24	5	-79.17%
332999: All Other Miscellaneous Fabricated Metal Product Manufacturing	129	32.3	-74.96%
325211: Plastics Material and Resin Manufacturing	941	250	-73.43%
332312: Fabricated Structural Metal Manufacturing	313,407.00	90,848.00	-71.01%
325211: Plastics Material and Resin Manufacturing	502	176	-64.94%
333618: Other Engine Equipment Manufacturing	0.28	0.1	-64.29%
332312: Fabricated Structural Metal Manufacturing	12,179.00	4,591.00	-62.30%
332312: Fabricated Structural Metal Manufacturing	18,908.00	7,301.00	-61.39%
334413: Semiconductor and Related Device Manufacturing	72,614.64	28,286.20	-61.05%
332312: Fabricated Structural Metal Manufacturing	55,005.00	27,381.00	-50.22%
332993: Ammunition (except Small Arms) Manufacturing	1	0.5	-50%
332312: Fabricated Structural Metal Manufacturing	500	250	-50%
332812: Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	10,268.72	5,286.50	-48.52%
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	11	6	-45.45%
325199: All Other Basic Organic Chemical Manufacturing	184	105	-42.93%
325411: Medicinal and Botanical Manufacturing	4,593.33	2,737.67	-40.40%
336390: Other Motor Vehicle Parts Manufacturing	4,134.00	2,480.00	-40.01%
327331: Concrete Block and Brick Manufacturing	0.0005	0.0003	-40%
331420: Copper Rolling, Drawing, Extruding, and Alloying	5	3.06	-38.80%
325193: Ethyl Alcohol Manufacturing	5,225.66	3,285.48	-37.13%
326199: All Other Plastics Product Manufacturing	41,674.00	26,968.00	-35.29%
221112: Fossil Fuel Electric Power Generation	6,156.47	4,087.20	-33.61%
332912: Fluid Power Valve and Hose Fitting Manufacturing	0.02	0.01	-33.33%
337110: Wood Kitchen Cabinet and Countertop Manufacturing	10,020.90	6,820.00	-31.94%
221112: Fossil Fuel Electric Power Generation	683,838.00	466,866.00	-31.73%
327390: Other Concrete Product Manufacturing	0.1	0.07	-28.73%
311611: Animal (except Poultry) Slaughtering	91,421.00	65,215.70	-28.66%

Pollution Prevention Information (Activity Codes/Text/[Reduction])

Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r

Source Reduction: W19: Other changes in operating practices - Product produced in other location

Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - reduced shutdown waste by placing orders back to b

Source Reduction: W84: Developed a new chemical product to replace previous chemical product - The majority of formic acid is used in our plating process. We

Source Reduction: W58: Other process modifications - Installation of eduction system Source Reduction: Source Reduction - Eduction system installed

Other Environmental Practices: Recycling - The facility actively recycles or reprocess material to minimize the impact to the environment.

Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures - The facility implemented a comprehensive program to improve prod

Source Reduction: W19: Other changes in operating practices - Reduced Production Methods to Identify SR Opportunities: T11: Other - Decommissioning of proc

Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-5-14%] - Improved preventative maintenance on the vacuum system t

Source Reduction: W29: Other changes in inventory control - Changes in production.

Other Environmental Practices: Recycling - All scrap metals provided to metal recyclerSource Reduction: Methods for Identifying Pollution Prevention Opportunit

Source Reduction: W19: Other changes in operating practices[-0-4%] - Modifications to the paint spray system to improve transfer efficiency and reduce the amo

Source Reduction: W19: Other changes in operating practices[-0-4%] - Modifications to the paint spray system to improve transfer efficiency and reduce the amo

Other Environmental Practices: Waste Treatment - Air emission emissions reduced by installation of additional VOC abatement units

Source Reduction: W19: Other changes in operating practices[-0-4%] - Modifications to the paint spray system to improve transfer efficiency and reduce the amo

Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures - We trained a new employee to treat the water per our specifications

Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%] - Improved PM's on baghouse system improves the ability to ca

Other Environmental Practices: Recycling - This facility is reporting greater releases of zinc compounds. The increase results from the reporting off-site releases c

Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r

Source Reduction: Source Reduction - pyridine is vented to scrubber and converted to the chloride salt, dissolved in water and shipped to incineration.

Other Environmental Practices: General Environmental Management - We use dust collection including cyclones and bag houses to reduce our emissions to the e

Source Reduction: W89: Other product modifications[-25-49%] - Replacing dry pyrotechnic manufacturing which involves the use of Hexane with slurry pyrotechr

Other Environmental Practices: General Environmental Management - place rock sock at inlets of storm drains.

Source Reduction: W19: Other changes in operating practices - Reduced low volume products to reduce waste caused changeovers from low volume to high volu

Other Environmental Practices: Recycling - The amount recycled is the difference between the amount produced and the amount released to the environment. T

Source Reduction: W21: Instituted procedures to ensure that materials do not stay in inventory beyond - Document and write on the drum the received and use-

Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev

Source Reduction: W82: Modified design or composition of product[-50-99%] - Switched from 12L14 steel to lead free 1215 steel.

Source Reduction: W19: Other changes in operating practices

Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev

Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.

Source Reduction: W39: Other spill or leak prevention - PSM program and piping, and insulation

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UNICIRCUIT INC (ANAREN INC)
TTM TECHNOLOGIES INC (TTM TECHNOLOGIES INC)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
VISHAY-DALE ELECTRONICS (VISHAY INTERTECHNOLOGY INC)
NUCOR CORP VULCRAFT DIV (NUCOR CORP)
KLUNE INDUSTRIES INC (BERKSHIRE HATHAWAY INC)
FORTERRA CONCRETE PRODUCTS - BILLINGS (FORTERRA INC)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
NUCOR CORP VULCRAFT DIV (NUCOR CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
BOULDER SCIENTIFIC CO MEAD FACILITY (BOULDER SCIENTIFIC CO)
WYOMING REFINING CO (PAR PACIFIC)
SHOWPLACE WOOD PRODUCTS (SHOWPLACE WOOD PRODUCTS)
ADVANCED FORMING TECHNOLOGY (ARC GROUP WORLDWIDE INC)
NUCOR CORP VULCRAFT DIV (NUCOR CORP)
FORTERRA CONCRETE PRODUCTS - HELENA (FORTERRA INC)
FORTERRA CONCRETE PRODUCTS - RAPID CITY (FORTERRA INC)
ASAHI REFINING USA INC (NA)
BASALITE (PACIFIC COAST BUILDING PRODUCTS)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
AZZ GALVANIZING -DENVER (AZZ INC)
PHILLIPS 66 CO DENVER TERMINAL (PHILLIPS 66 CO)
HANKINSON RENEWABLE ENERGY LLC (GUARDIAN ENERGY MANAGEMENT LLC)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
SHOWPLACE WOOD PRODUCTS (SHOWPLACE WOOD PRODUCTS)
SABIN METAL WEST CORP (SABIN METAL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
CORIXA CORP D/B/A GLAXOSMITHKLINE VACCINES - HAMILTON (GLAXOSMITHKLINE LLC)
MATHESON TRIGAS LONGMONT CO BRANCH (TAIYO NIPPON SANSO USA INC)
FORTERRA STRUCTURAL SPECIALTY PRODUCTS - WEST VALLEY (FORTERRA INC)
WYOMING REFINING CO (PAR PACIFIC)

8192 S PARK LN, LITTLETON,CO 80120	Lead Compounds
710 N 600 W, LOGAN,UT 84321	Certain Glycol Ethers
48450 144TH ST, BIG STONE CITY,SD 57216	Vanadium Compounds
1505 E HWY 50, YANKTON,SD 57078	Copper
1875 W HWY 13, BRIGHAM CITY,UT 84302	Lead
1800 N 300 W, SPANISH FORK,UT 84660	Nitric Acid
1521 S 32ND ST W, BILLINGS,MT 59102	Lead
48450 144TH ST, BIG STONE CITY,SD 57216	Manganese Compounds
1875 W HWY 13, BRIGHAM CITY,UT 84302	Nickel Compounds
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001	Hydrogen Cyanide
48450 144TH ST, BIG STONE CITY,SD 57216	Mercury Compounds
598 THIRD ST, MEAD,CO 80542	Dichloromethane
10 STAMPEDE ST, NEWCASTLE,WY 82701	Ethylene
1 ENTERPRISE ST, HARRISBURG,SD 57032	Xylene (Mixed Isomers)
7040 WELD COUNTY RD 20, LONGMONT,CO 80504	Trichloroethylene
1875 W HWY 13, BRIGHAM CITY,UT 84302	Manganese Compounds
2001 N BENTON AVE, HELENA,MT 59601	Lead
1601 CULVERT STREET, RAPID CITY,SD 57701	Lead
4601 W 2100 S -, WEST VALLEY CITY,UT 84120	Zinc Compounds
4900 RACE ST, DENVER,CO 80216	Lead
48450 144TH ST, BIG STONE CITY,SD 57216	Ammonia
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001	Toluene
4400 E 61ST AVE, COMMERCE CITY,CO 80022	Lead
3960 E 56TH AVE, COMMERCE CITY,CO 80022	1,2,4-Trimethylbenzene
9230 COUNTY RD 1, HANKINSON,ND 58041	Acetaldehyde
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001	Xylene (Mixed Isomers)
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001	Benzene
1 ENTERPRISE ST, HARRISBURG,SD 57032	Toluene
15 12TH AVE E, WILLISTON,ND 58801	Lead Compounds
6240 13TH ST SW, BEULAH,ND 58523	Vanadium Compounds
553 OLD CORVALLIS RD, HAMILTON,MT 59840	Chloroform
1861 LEFTHAND CIR, LONGMONT,CO 80501	Hydrogen Fluoride
6087 W 5400 S, WEST VALLEY CITY,UT 84118	Lead
10 STAMPEDE ST, NEWCASTLE,WY 82701	Methanol

334412: Bare Printed Circuit Board Manufacturing	16.5	11.92	-27.76%
334412: Bare Printed Circuit Board Manufacturing	10,815.32	7,821.60	-27.68%
221112: Fossil Fuel Electric Power Generation	23,080.00	16,912.00	-26.72%
334416: Electronic Coil, Transformer, and Other Inductor Manufacturing	0.85	0.63	-25.88%
332312: Fabricated Structural Metal Manufacturing	161.38	119.97	-25.66%
332813: Electroplating, Plating, Polishing, Anodizing, and Coloring	1,010.00	755	-25.25%
327390: Other Concrete Product Manufacturing	0.04	0.03	-25.07%
221112: Fossil Fuel Electric Power Generation	27,001.00	20,366.00	-24.57%
332312: Fabricated Structural Metal Manufacturing	336.12	254.11	-24.40%
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	530.65	404.1	-23.85%
221112: Fossil Fuel Electric Power Generation	185.21	143.1	-22.73%
325199: All Other Basic Organic Chemical Manufacturing	2,520.00	1,964.00	-22.06%
324110: Petroleum Refineries	22.79	17.86	-21.63%
337110: Wood Kitchen Cabinet and Countertop Manufacturing	41,215.00	32,768.00	-20.49%
332117: Powder Metallurgy Part Manufacturing	8,171.00	6,560.00	-19.72%
332312: Fabricated Structural Metal Manufacturing	2,416.10	1,954.54	-19.10%
327390: Other Concrete Product Manufacturing	0.04	0.03	-18.42%
327390: Other Concrete Product Manufacturing	0.07	0.06	-17.83%
331410: Nonferrous Metal (except Aluminum) Smelting and Refining	8.21	6.79	-17.30%
327331: Concrete Block and Brick Manufacturing	0.07	0.06	-15.59%
221112: Fossil Fuel Electric Power Generation	12,371.00	10,500.00	-15.12%
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	402	356	-11.44%
332812: Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	0.09	0.08	-10.87%
424710: Petroleum Bulk Stations and Terminals	251	229	-8.76%
325193: Ethyl Alcohol Manufacturing	6,671.21	6,091.12	-8.70%
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	793	728	-8.20%
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	3,508.24	3,225.24	-8.07%
337110: Wood Kitchen Cabinet and Countertop Manufacturing	11,338.70	10,456.00	-7.78%
331492: Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)	5.2	4.8	-7.69%
221112: Fossil Fuel Electric Power Generation	33,663.00	31,310.00	-6.99%
325412: Pharmaceutical Preparation Manufacturing	3,202.02	3,000.62	-6.29%
325180: Other Basic Inorganic Chemical Manufacturing	2.69	2.53	-5.95%
327390: Other Concrete Product Manufacturing	0.03	0.03	-5.72%
324110: Petroleum Refineries	5.13	4.85	-5.46%

Other Environmental Practices: Recycling - Unicircuit reclaims all of its Tin/Lead solder dross through its supplier. In addition to Environmental waste reduction, t
Source Reduction: W52: Modified equipment, layout, or piping[-50-99%] - In the Outerlayer Process we have changed from box printers to Laser Direct Imagining
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Recycling - Efforts continue to recycle iron powder used in the manufacturing process.
Other Environmental Practices: Recycling - Larger amount of steel scrap produced in 2017 required further processing prior to recycling, and could not be sent fo
Other Environmental Practices: General Environmental Management - Tracking usage and disposal to ensure we are managing the process with reduction in min
Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Recycling - Larger amount of steel scrap produced in 2017 required further processing prior to recycling, and could not be sent fo
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Other Environmental Practices: Waste Treatment - An activated carbon injection system has been installed at the facility. This reduces the mercury emissions rat
Source Reduction: W56: Reduced or eliminated use of an organic solvent[-25-49%] - Substituted a less hazardous solvent in process Methods to Identify SR Oppo
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W19: Other changes in operating practices
Source Reduction: W15: Introduced an in-line product quality monitoring or other process analysis system[-0-4%] - In line inspection should reduce the number o
Other Environmental Practices: Recycling - Larger amount of steel scrap produced in 2017 required further processing prior to recycling, and could not be sent fo
Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.
Source Reduction: Ways P2 Was Incorporated in Original Process Design - Facility utilizes dust collectors.
Source Reduction: W84: Developed a new chemical product to replace previous chemical product[-50-99%] - Replaced Zinc powder with Iron Powder in one of ou
Other Environmental Practices: General Environmental Management - Placed erosion control rock socks around storm drain inlets
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Other Environmental Practices: Recycling - This facility is reporting greater releases of zinc compounds. The increase results from the reporting off-site releases c
Other Environmental Practices: General Environmental Management - Routine inspectionsOther Environmental Practices: Recycling - Electronics, cans, bottles, s
Other Environmental Practices: Recycling - The amount recycled is the difference between the amount produced and the amount released to the environment. T
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Source Reduction: W19: Other changes in operating practices
Source Reduction: W41: Increased purity or raw materials
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Source Reduction: W50: Optimized reaction conditions or otherwise increased efficiency of synthesis - Fully instituted Yield Improvement Project, which increase
Other Environmental Practices: General Environmental Management - SO 14001: 2004 certified facility
Other Environmental Practices: Dust collectors are installed on silos.
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]

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BASIN TRANSLOAD_STAMPEDE BULK STORAGE (BASIN TRANSLOAD)
FCT COS INC (NA)
HEXCEL CORP (HEXCEL CORP)
HOH WATER TECHNOLOGY INC (HOH WATER TECHNOLOGY INC)
PARKSITE TREATING FACILITY FARGO (PARKSITE INC)
PARKSITE TREATING FACILITY FARGO (PARKSITE INC)
SPARTON ONYX LLC (SPARTON CORP)
THATCHER CO (THATCHER CO)
TWIN CITY DIE CASTINGS CO - WATERTOWN DIV (TWIN CITY DIE CASTINGS CO)
U.S. ARMY TOOELE ARMY DEPOT (US DEPARTMENT OF DEFENSE)
VESTAS BLADES AMERICA INC BRIGHTON (VESTAS BLADES AMERICA INC)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
GOODRICH CARBON OPERATIONS (UNITED TECHNOLOGIES CORP)
KLOPPENBERG & CO (NA)
BRODY CHEMICAL (NA)
TRAIL KING INDUSTRIES INC (TEEKAY ACQUISITIONS S LLC)
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LOVELAND PRODUCTS INC-BILLINGS (FORMERLY TRANSBAS) (AGRIUM INC)
LOVELAND PRODUCTS INC-BILLINGS (FORMERLY TRANSBAS) (AGRIUM INC)
LOVELAND PRODUCTS INC-BILLINGS (FORMERLY TRANSBAS) (AGRIUM INC)
TOSHIBA AMERICA BUSINESS SOLUTIONS INC TONER PRODUCTS DIV (TOSHIBA AMERICA BUSINESS SOLUTIONS INC)
KMG ELECTRONIC CHEMICALS INC (KMG CHEMICALS INC)
BRODY CHEMICAL (NA)
KMG ELECTRONIC CHEMICALS INC (KMG CHEMICALS INC)

5520 W OLD BINGHAM HWY, WEST JORDAN,UT 84081	Manganese
2424 MIDPOINT DR, FORT COLLINS,CO 80525	Lead
3255 DRENNAN RD, COLORADO SPRINGS,CO 80910	Mercury
10154 93RD AVE, COLUMBUS,ND 58727	Propylene
1309 N 17TH AVE, GREELEY,CO 80631	Lead
31815 GREAT WESTERN DRIVE, WINDSOR,CO 80550	Copper
2008 N WESTPORT AVE, SIOUX FALLS,SD 57107	Sodium Nitrite
115 31ST ST S, FARGO,ND 58103	Arsenic
115 31ST ST S, FARGO,ND 58103	Chromium Compounds(Except Chromite Ore Mined In The Transvaal Region)
2920 KELLY AVE, WATERTOWN,SD 57201	Lead Compounds
1905 FORTUNE RD, SALT LAKE CITY,UT 84104	Nitrate Compounds
122 CESSNA ST NW, WATERTOWN,SD 57201	Copper
ATTN: JMTE-GME 1 TOOELE ARMY DEPOT BLDG 501, TOOELE,UT 840745003	Lead Compounds
1500-B E CROWN PRINCE BLVD, BRIGHTON,CO 80603	Diisocyanates
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001	Ethylene
50 WILLIAM WHITE BLVD, PUEBLO,CO 81001	Propylene
2627 W OXFORD AVE, SHERIDAN,CO 80110	Chromium
6125 W DOUBLE EAGLE CIR, SALT LAKE CITY,UT 84118	Certain Glycol Ethers
2200 S OHLMAN ST, MITCHELL,SD 57301	Manganese
2200 S OHLMAN ST, MITCHELL,SD 57301	Nickel
2200 S OHLMAN ST, MITCHELL,SD 57301	Chromium
2200 S OHLMAN ST, MITCHELL,SD 57301	Copper
2130 3RD AV NW, WEST FARGO,ND 58078	Manganese
2130 3RD AV NW, WEST FARGO,ND 58078	Nickel
2130 3RD AV NW, WEST FARGO,ND 58078	Chromium
2130 3RD AV NW, WEST FARGO,ND 58078	Copper
217 DELL RANGE BLVD., CHEYENNE,WY 82009	Naphthalene
1525 LOCKWOOD RD, BILLINGS,MT 59101	Methoxone
1525 LOCKWOOD RD, BILLINGS,MT 59101	Dicamba
1525 LOCKWOOD RD, BILLINGS,MT 59101	2,4-D 2-Ethylhexyl Ester
901 N FOSTER ST, MITCHELL,SD 57301	Cyanide Compounds
250 WILLIAM WHITE BLVD, PUEBLO,CO 81001	Hydrogen Fluoride
6125 W DOUBLE EAGLE CIR, SALT LAKE CITY,UT 84118	Methanol
250 WILLIAM WHITE BLVD, PUEBLO,CO 81001	Nitric Acid

332420: Metal Tank (Heavy Gauge) Manufacturing	5,984.00	5,779.00	-3.43%
335999: All Other Miscellaneous Electrical Equipment and Component Manufacturing	0	0	0%
327331: Concrete Block and Brick Manufacturing	0	0	0%
424710: Petroleum Bulk Stations and Terminals	0	0	0%
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing	0	0	0%
325211: Plastics Material and Resin Manufacturing	0	0	0%
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing	0	0	0%
321114: Wood Preservation	0	0	0%
321114: Wood Preservation	0	0	0%
334418: Printed Circuit Assembly (Electronic Assembly) Manufacturing	0	0	0%
325180: Other Basic Inorganic Chemical Manufacturing	0	0	0%
331523: Nonferrous Metal Die-Casting Foundries	0	0	0%
928110: National Security	0	0	0%
333611: Turbine and Turbine Generator Set Units Manufacturing	0	0	0%
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	1	1	0%
336413: Other Aircraft Parts and Auxiliary Equipment Manufacturing	1	1	0%
332322: Sheet Metal Work Manufacturing	1	1	0%
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing	5	5	0%
336212: Truck Trailer Manufacturing	5	5	0%
336212: Truck Trailer Manufacturing	5	5	0%
336212: Truck Trailer Manufacturing	5	5	0%
336212: Truck Trailer Manufacturing	5	5	0%
336212: Truck Trailer Manufacturing	5	5	0%
336212: Truck Trailer Manufacturing	5	5	0%
336212: Truck Trailer Manufacturing	5	5	0%
336212: Truck Trailer Manufacturing	5	5	0%
928110: National Security	5.1	5.1	0%
325320: Pesticide and Other Agricultural Chemical Manufacturing	10	10	0%
325320: Pesticide and Other Agricultural Chemical Manufacturing	10	10	0%
325320: Pesticide and Other Agricultural Chemical Manufacturing	10	10	0%
325992: Photographic Film, Paper, Plate, and Chemical Manufacturing	15	15	0%
325180: Other Basic Inorganic Chemical Manufacturing	60	60	0%
325998: All Other Miscellaneous Chemical Product and Preparation Manufacturing	250	250	0%
325180: Other Basic Inorganic Chemical Manufacturing	280	280	0%

Other Environmental Practices: Recycling - We continue to recycle slag/flux as much as possible, which helps reduce landfill and lessens purchases of virgin flux.
Other Environmental Practices: Recycling - Lead containing waste generated at this facility is primarily electronic "e-waste" consisting of circuit boards which ma
Source Reduction: W64: Improved draining procedures - Installed check dams at the south storm drain, and sediment trap at the storm drain in the north storm c
Other Environmental Practices: Energy Recovery - on site otherwise used - building heating and VDU powering
Source Reduction: W82: Modified design or composition of product - Leas was removed from much of both solder bars and solder paste produced at the site. Me
Source Reduction: W19: Other changes in operating practices - Copper is no longer in use by facility as of late 2017. Process eliminated. Methods to Identify SR O
Other Environmental Practices: General Environmental Management - Your tank rinsate for next batch of product
Other Environmental Practices: Recycling - We keep the chemical contained in the treating facility, and is recycled through the system during the treating proces
Other Environmental Practices: Recycling - The Chemical is in a constant state of being recycled through the system during the treatment process, any excess tha
Source Reduction: W19: Other changes in operating practices - Changing more of our processes to lead free solder.
Source Reduction: W89: Other product modifications - Beneficial Use
Other Environmental Practices: Recycling - The copper reported is from scrap aluminum produced from machining and dross skimmed from furnaces. All is recyc
Other Environmental Practices: Recycling - All recovered metals are sent to off-site recycler
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers Source Reduction: W21: Instituted procedures to ensu
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - Optimized the combination of part types in reactor r
Other Environmental Practices: Recycling - Kloppenberg & Company sent 192,500 pounds of stainless steel scrap to a metals recycler in 2017, this amount of stai
Source Reduction: Source Reduction - Working on processes to blend more efficiently, which will reduce container emissions.
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
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Other Environmental Practices: Recycling - Scrap metal is sent out to be recycled
Other Environmental Practices: General Environmental Management - Environmental Management System utilized to monitor and control usage.
Other Environmental Practices: Recycling - Recycle rinses in production when ever possibleSource Reduction: Source Reduction - Dust control, scheduling efficie
Source Reduction: Source Reduction - dust collection, scheduling efficienciesOther Environmental Practices: Recycling - Rinses are recycled in like products
Other Environmental Practices: Recycling - Recycle in compatible products
Source Reduction: W82: Modified design or composition of product - Product containing cyanide components was phased out in CY2017. Other Environmental P
Source Reduction: W39: Other spill or leak prevention - Improved training of operators and forklift drivers to eliminate handling errors and spills. Other Environr
Source Reduction: Source Reduction - Working on processes to be more efficient, which will reduce container emissions.
Source Reduction: W39: Other spill or leak prevention - Improved training for production employees and forklift drivers to reduce or eliminate spills. Other Envir

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OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
EDO CORP WESTERN DIV (HARRIS CORP)
WYOMING REFINING CO (PAR PACIFIC)
OTTER TAIL POWER CO BIG STONE PLANT (OTTER TAIL CORP)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
WYOMING REFINING CO (PAR PACIFIC)
GOLDEN ALUMINUM (NA)
MANITOU AMERICAS INC (MANITOU AMERICAS INC)
NORTHROP GRUMMAN SYSTEMS COPORATION (NORTHROP GRUMMAN CORP)
AMERICAN PACIFIC CORP UTAH OPERATIONS (AMERICAN PACIFIC CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
CORIXA CORP D/B/A GLAXOSMITHKLINE VACCINES - HAMILTON (GLAXOSMITHKLINE LLC)
FORTERRA PRECAST CONCEPTS INC (FORTERRA INC)
FORTERRA PRECAST CONCEPTS INC (FORTERRA INC)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
ND LAND HOLDINGS LLC DBA DORY LAND LLC (NA)
MARMEN ENERGY CO (NA)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
TWIN CITY DIE CASTINGS CO - WATERTOWN DIV (TWIN CITY DIE CASTINGS CO)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
AMERICAN PACIFIC CORP UTAH OPERATIONS (AMERICAN PACIFIC CORP)
FIBERGLASS SPECIALTIES INC (FIBERGLASS SPECIALITIES INC)

10 STAMPEDE ST, NEWCASTLE,WY 82701	Hydrogen Sulfide
48450 144TH ST, BIG STONE CITY,SD 57216	Hydrochloric Acid (1995 And After "Acid Aerosols" Only)
48450 144TH ST, BIG STONE CITY,SD 57216	Benzo(G,H,I)Perylene
48450 144TH ST, BIG STONE CITY,SD 57216	Dioxin And Dioxin-Like Compounds
2645 S 300 W, SALT LAKE CITY,UT 84115	Lead Compounds
10 STAMPEDE ST, NEWCASTLE,WY 82701	Hydrogen Fluoride
48450 144TH ST, BIG STONE CITY,SD 57216	Hydrogen Fluoride
217 DELL RANGE BLVD., CHEYENNE,WY 82009	Toluene
10 STAMPEDE ST, NEWCASTLE,WY 82701	Naphthalene
1405 E 14TH ST, FORT LUPTON,CO 80621	Chromium
900 FERDIG AVE, YANKTON,SD 57078	Chromium
2211 W NORTH TEMPLE, SALT LAKE CITY,UT 84116	Lead
10622 W 6400 N, CEDAR CITY,UT 84721	Ammonia
6240 13TH ST SW, BEULAH,ND 58523	Arsenic Compounds
6240 13TH ST SW, BEULAH,ND 58523	Hydrogen Fluoride
6240 13TH ST SW, BEULAH,ND 58523	Dioxin And Dioxin-Like Compounds
3726 135TH AVENUE SW, BELFIELD,ND 58622	Benzene
3726 135TH AVENUE SW, BELFIELD,ND 58622	Ethylbenzene
3726 135TH AVENUE SW, BELFIELD,ND 58622	Toluene
3726 135TH AVENUE SW, BELFIELD,ND 58622	N-Hexane
553 OLD CORVALLIS RD, HAMILTON,MT 59840	Methanol
9405 ALTON CT, HENDERSON,CO 80640	Mercury
2311 RIVER RD, GRAND JUNCTION,CO 81505	Lead
6240 13TH ST SW, BEULAH,ND 58523	Zinc Compounds
3726 135TH AVENUE SW, BELFIELD,ND 58622	Cyclohexane
1820 N. PLUM AVE., BRANDON,SD 57005	Manganese
6240 13TH ST SW, BEULAH,ND 58523	Lead Compounds
6240 13TH ST SW, BEULAH,ND 58523	Barium Compounds
6240 13TH ST SW, BEULAH,ND 58523	Mercury Compounds
122 CESSNA ST NW, WATERTOWN,SD 57201	Lead
6240 13TH ST SW, BEULAH,ND 58523	Chromium Compounds(Except Chromite Ore Mined In The Transvaal Region)
6240 13TH ST SW, BEULAH,ND 58523	Sulfuric Acid (1994 And After "Acid Aerosols" Only)
10622 W 6400 N, CEDAR CITY,UT 84721	Lead Compounds
1225 14TH ST SE, WATERTOWN,SD 57201	Styrene

324110: Petroleum Refineries	403.9	403.9	0%
221112: Fossil Fuel Electric Power Generation	12,300.00	12,300.00	0%
221112: Fossil Fuel Electric Power Generation	0.05	0.05	0.20%
221112: Fossil Fuel Electric Power Generation	0.43	0.43	0.21%
334511: Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufactu	85,170.96	85,415.70	0.29%
324110: Petroleum Refineries	851.7	855	0.39%
221112: Fossil Fuel Electric Power Generation	2,300.00	2,310.00	0.43%
928110: National Security	50.9	51.2	0.59%
324110: Petroleum Refineries	170.47	173.91	2.02%
331315: Aluminum Sheet, Plate, and Foil Manufacturing	3,079.00	3,150.00	2.31%
333120: Construction Machinery Manufacturing	166.12	171.14	3.02%
334511: Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufactu	0.47	0.49	4.06%
325180: Other Basic Inorganic Chemical Manufacturing	27,556.00	29,349.00	6.51%
221112: Fossil Fuel Electric Power Generation	20,151.00	21,563.00	7.01%
221112: Fossil Fuel Electric Power Generation	9,213.00	9,881.00	7.25%
221112: Fossil Fuel Electric Power Generation	0.52	0.56	7.26%
424710: Petroleum Bulk Stations and Terminals	40	43	7.50%
424710: Petroleum Bulk Stations and Terminals	37	40	8.11%
424710: Petroleum Bulk Stations and Terminals	37	40	8.11%
424710: Petroleum Bulk Stations and Terminals	154	167	8.44%
325412: Pharmaceutical Preparation Manufacturing	526	570.6	8.48%
327390: Other Concrete Product Manufacturing	0.01	0.01	8.51%
327390: Other Concrete Product Manufacturing	0.04	0.04	8.52%
221112: Fossil Fuel Electric Power Generation	20,609.00	22,366.00	8.53%
424710: Petroleum Bulk Stations and Terminals	33	36	9.09%
332312: Fabricated Structural Metal Manufacturing	13,825.60	15,085.20	9.11%
221112: Fossil Fuel Electric Power Generation	8,549.95	9,358.03	9.45%
221112: Fossil Fuel Electric Power Generation	1,019,941.00	1,128,848.00	10.68%
221112: Fossil Fuel Electric Power Generation	209.53	232.19	10.81%
331523: Nonferrous Metal Die-Casting Foundries	1.62	1.8	11.11%
221112: Fossil Fuel Electric Power Generation	23,661.00	26,493.00	11.97%
221112: Fossil Fuel Electric Power Generation	408	463	13.48%
325180: Other Basic Inorganic Chemical Manufacturing	39,326.00	44,626.00	13.48%
326199: All Other Plastics Product Manufacturing	7,745.00	8,842.00	14.16%

Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Source Reduction: W19: Other changes in operating practices[-5-14%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: General Environmental Management - Environmental management System utilized to monitor and control usage.
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W19: Other changes in operating practices - change set-points for chemical additions Methods to Identify SR Opportunities: T11: Other - in-ho
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures
Other Environmental Practices: Recycling - We have focused heavily on a recycling/reclamation efforts in 2017. We have looked for ways to recycle, reuse, and re
Source Reduction: Source Reduction - We are still exploring options and feasibility to reprocess and sell the ammonium hydroxide for potential agricultural appli
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was installed in March of 2015.
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was installed in March of 2015.
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was installed in March of 2015.
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was installed in March of 2015.
Source Reduction: W58: Other process modifications - Internal process improvement resulted in increased in production yield per batch Methods to Identify SR (
Other Environmental Practices: Dust collectors are installed on silos.
Other Environmental Practices: Dust collectors are installed on silos.
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: General Environmental Management - New air emission reduction equipment was installed in March of 2015.
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures - Better record-keeping available for amount recycled. Other Environr
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Waste Treatment - An activated carbon injection system has been installed at the facility. This reduces the mercury emissions rat
Other Environmental Practices: Recycling - The lead reported is from scrap aluminum produced from machining and dross skimmed from furnaces. All is recyclec
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Source Reduction: Source Reduction - R&D efforst would reduce waste significantaly if able to implement
Source Reduction: W75: Changed from spray to other system[-0-4%]

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THE BERGQUIST CO (HENKEL CORP)
THE BERGQUIST CO (HENKEL CORP)
BLACK HILLS CORP - NEIL SIMPSON COMPLEX (BLACK HILLS CORP)
MONTANA SULPHUR & CHEMICAL CO (NA)
WYOMING REFINING CO (PAR PACIFIC)
BD MEDICAL (BECTON DICKINSON & CO)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
MANITOU AMERICAS INC (MANITOU AMERICAS INC)
WYOMING REFINING CO (PAR PACIFIC)
THARALDSON ETHANOL PLANT I LLC (NA)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
THE BERGQUIST CO (HENKEL CORP)
KMG ELECTRONIC CHEMICALS INC (KMG CHEMICALS INC)
INTERTAPE POLYMER GROUP BRIGHTON FACILITY (INTERTAPE POLYMER GROUP)
WYOMING REFINING CO (PAR PACIFIC)
INTERTAPE POLYMER GROUP BRIGHTON FACILITY (INTERTAPE POLYMER GROUP)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
WYOMING REFINING CO (PAR PACIFIC)
US DEPARTMENT OF THE TREASURY US MINT DENVER (US DEPARTMENT OF THE TREASURY)
NESTLE USA-PREPARED FOODS DIV INC (NESTLE USA INC)
CHELATED MINERALS CORP (BALCHEM CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
VISHAY-DALE ELECTRONICS (VISHAY INTERTECHNOLOGY INC)
HACH CO LOVELAND (NA)
WESTERN SUGAR COOPERATIVE LOVELL FACTORY (WESTERN SUGAR COOPERATIVE)
DESIGN TANKS (DESIGN TANKS LLC)
WYOMING REFINING CO (PAR PACIFIC)
JOHN DEERE ELECTRONIC SOLUTIONS (DEERE & CO)
FORTERRA PRECAST CONCEPTS INC (FORTERRA INC)
WYOMING REFINING CO (PAR PACIFIC)

600 WILLOW ST., BRANDON,SD 57005	Xylene (Mixed Isomers)
600 WILLOW ST., BRANDON,SD 57005	Ethylbenzene
13151 HWY 51, GILLETTE,WY 82718	Barium Compounds
627 EXXONMOBIL RD, BILLINGS,MT 59101	Hydrogen Sulfide
10 STAMPEDE ST, NEWCASTLE,WY 82701	Xylene (Mixed Isomers)
9450 SOUTH STATE, SANDY,UT 84070	Diisocyanates
10 STAMPEDE ST, NEWCASTLE,WY 82701	1,3-Butadiene
10 STAMPEDE ST, NEWCASTLE,WY 82701	Toluene
900 FERDIG AVE, YANKTON,SD 57078	Manganese
10 STAMPEDE ST, NEWCASTLE,WY 82701	Cyclohexane
3549 153RD AVENUE SE, CASSELTON,ND 58012	N-Hexane
10 STAMPEDE ST, NEWCASTLE,WY 82701	N-Hexane
10 STAMPEDE ST, NEWCASTLE,WY 82701	Cresol (Mixed Isomers)
600 WILLOW ST., BRANDON,SD 57005	Toluene
250 WILLIAM WHITE BLVD, PUEBLO,CO 81001	Ammonia
1095 S FOURTH AVE, BRIGHTON,CO 80601	Toluene
10 STAMPEDE ST, NEWCASTLE,WY 82701	Ethylbenzene
1095 S FOURTH AVE, BRIGHTON,CO 80601	N-Hexane
10 STAMPEDE ST, NEWCASTLE,WY 82701	Ammonia
10 STAMPEDE ST, NEWCASTLE,WY 82701	Styrene
10 STAMPEDE ST, NEWCASTLE,WY 82701	Benzene
320 W COLFAX AVE, DENVER,CO 80204	Copper
815 W RAYMOND KLAUCK WAY, SPRINGVILLE,UT 84663	Ammonia
3310 WEST 900 SOUTH, SALT LAKE CITY,UT 84104	Cobalt Compounds
6240 13TH ST SW, BEULAH,ND 58523	Manganese Compounds
6240 13TH ST SW, BEULAH,ND 58523	Hydrochloric Acid (1995 And After "Acid Aerosols" Only)
1505 E HWY 50, YANKTON,SD 57078	Lead Compounds
5600 LINDBERGH DR, LOVELAND,CO 80538	Lead
400 GREAT WESTERN AVE, LOVELL,WY 82431	Ammonia
18427 N HWY 85, BELLE FOURCHE,SD 57717	Styrene
10 STAMPEDE ST, NEWCASTLE,WY 82701	1,2,4-Trimethylbenzene
1441 44TH ST NW, FARGO,ND 58102	Lead
9405 ALTON CT, HENDERSON,CO 80640	Lead
10 STAMPEDE ST, NEWCASTLE,WY 82701	Cumene

325520: Adhesive Manufacturing	1,274.00	1,466.00	15.07%
325520: Adhesive Manufacturing	364	419	15.11%
221112: Fossil Fuel Electric Power Generation	1,517,104.86	1,750,091.84	15.36%
325180: Other Basic Inorganic Chemical Manufacturing	11,490.00	13,323.00	15.95%
324110: Petroleum Refineries	1,623.70	1,901.60	17.12%
339112: Surgical and Medical Instrument Manufacturing	25.4	30	18.11%
324110: Petroleum Refineries	103.9	124.42	19.75%
324110: Petroleum Refineries	4,151.72	5,048.03	21.59%
333120: Construction Machinery Manufacturing	283.7	345.65	21.84%
324110: Petroleum Refineries	889.86	1,111.41	24.90%
325193: Ethyl Alcohol Manufacturing	9,137.46	11,842.24	29.60%
324110: Petroleum Refineries	3,111.90	4,044.97	29.98%
324110: Petroleum Refineries	1.3	1.7	30.77%
325520: Adhesive Manufacturing	489	655	33.95%
325180: Other Basic Inorganic Chemical Manufacturing	1,901.00	2,560.00	34.67%
322220: Paper Bag and Coated and Treated Paper Manufacturing	10,288.20	13,885.20	34.96%
324110: Petroleum Refineries	300.19	408.69	36.14%
322220: Paper Bag and Coated and Treated Paper Manufacturing	29,069.10	39,753.10	36.75%
324110: Petroleum Refineries	512	712.1	39.08%
324110: Petroleum Refineries	12.38	17.68	42.81%
324110: Petroleum Refineries	1,227.90	1,950.58	58.85%
332119: Metal Crown, Closure, and Other Metal Stamping (except Automotive)	1,837.67	2,984.99	62.43%
311412: Frozen Specialty Food Manufacturing	14,573.00	24,299.20	66.74%
311119: Other Animal Food Manufacturing	1	2	100%
221112: Fossil Fuel Electric Power Generation	111,738.00	224,578.00	100.99%
221112: Fossil Fuel Electric Power Generation	3,518.00	8,708.00	147.53%
334416: Electronic Coil, Transformer, and Other Inductor Manufacturing	0.17	0.45	170.91%
334516: Analytical Laboratory Instrument Manufacturing	38.39	107.02	178.72%
311313: Beet Sugar Manufacturing	2,189.00	8,124.00	271.13%
326199: All Other Plastics Product Manufacturing	1,255.00	5,529.00	340.56%
324110: Petroleum Refineries	15.8	83.65	429.43%
334418: Printed Circuit Assembly (Electronic Assembly) Manufacturing	0.28	2.09	644.81%
327390: Other Concrete Product Manufacturing	0.04	0.28	672.92%
324110: Petroleum Refineries	16.59	230.02	1286.50%

Source Reduction: W71: Other cleaning and degreasing modifications
Source Reduction: W71: Other cleaning and degreasing modifications
Other Environmental Practices: The waste ash, which contains barium is being used for fill in the mine reclamation process.
Other Environmental Practices: Implementation of the Flare Gas Treatment Unit The purpose of the FGTU is to treat certain hydrogen sulfide bearing gases, inclu
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: We are continuing to modify our process where the finished product is used, to reduce scrap and thereby reduce the amount of this chemical t
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W19: Other changes in operating practices
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W71: Other cleaning and degreasing modifications
Source Reduction: W35: Installed vapor recovery systems - improved equipment changes to increase production and reduce amount of time to produce batches
Other Environmental Practices: Recycling - solvent recovery system used to capture and reuse toluene
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Other Environmental Practices: Recycling - Solvent recovery system used to capture and reuse hexane
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures
Other Environmental Practices: Recycling - Metals Recovery, waste and scrap collected and sent to original vendor.
Source Reduction: W39: Other spill or leak prevention - Started the installation of improved-design ammonia compressor seal and started using improved o-ring
Source Reduction: W14: Changed production schedule to minimize equipment and feedstock changeovers - product made once per year
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Efforts continue to recycle iron powder used in the manufacturing process.
Source Reduction: W42: Substituted raw materials Source Reduction: W82: Modified design or composition of product Methods to Identify SR Opportunities: T01
Other Environmental Practices: General Environmental Management - Fugitive ammonia generation is a by product of beet sugar manufacturing.
Source Reduction: W21: Instituted procedures to ensure that materials do not stay in inventory beyond - Document and write on the drum the received and use-
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W58: Other process modifications - We continue to see improvements via the use of the nitrogen-filled wave solder devices. Limiting oxidatic
Other Environmental Practices: Dust collectors are installed on silos.
Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]

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WYOMING REFINING CO (PAR PACIFIC)
PRISMVIEW LLC (SAMSUNG ELECTRONICS AMERICA INC)
INOVAR INC (INOVAR)
ROCKY MOUNTAIN PRESTRESS LLC (STRUCTURAL PLANT) (PHELPS TOINTON)
VESTAS BLADES AMERICA INC WINDSOR (VESTAS BLADES AMERICA INC)
OTTER TAIL POWER CO COYOTE STATION (OTTER TAIL CORP)
UNICIRCUIT INC (ANAREN INC)
PILKINGTON METAL FINISHING LLC (PILKINGTON METAL FINISHING LLC)
INNOPHOS NUTRITION NORTH SALT LAKE (INNOPHOS INC)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
ANIMAS GLACIER GRAVEL (OLDCASTLE INC)
US DOD USAF WYOMING ANG (US DEPARTMENT OF DEFENSE)
BASALITE CONCRETE PRODUCTS LLC (PACIFIC COAST BUILDING PRODUCTS)
SILVER EAGLE REFINING WOODS CROSS (THE INTERNATIONAL GROUP INC)
WOODWARD INC (WOODWARD INC)
WOODWARD INC (WOODWARD INC)
ANIMAS GLACIER GRAVEL (OLDCASTLE INC)
WOODWARD INC (WOODWARD INC)
ROCKY MOUNTAIN PRESTRESS LLC (ARCHITECTURAL PLANT) (PHELPS TOINTON)

10 STAMPEDE ST, NEWCASTLE,WY 82701	Propylene
1651 N 1000 W, LOGAN,UT 84321	Lead Compounds
1073 WEST 1700 NORTH, LOGAN,UT 84321	Lead
5801 PECOS ST, DENVER,CO 80221	Lead
11140 EASTMAN PARK DR, WINDSOR,CO 80550	Diisocyanates
6240 13TH ST SW, BEULAH,ND 58523	Nickel Compounds
8192 S PARK LN, LITTLETON,CO 80120	Copper Compounds
1225 S LEGACY VIEW ST, SALT LAKE CITY,UT 84104	Trichloroethylene
680 N 700 W, NORTH SALT LAKE,UT 84054	Manganese Compounds
217 DELL RANGE BLVD., CHEYENNE,WY 82009	Xylene (Mixed Isomers)
217 DELL RANGE BLVD., CHEYENNE,WY 82009	Benzene
9755 CR 213, DURANGO,CO 81301	Lead
217 DELL RANGE BLVD., CHEYENNE,WY 82009	Ethylbenzene
3255 DRENNAN RD, COLORADO SPRINGS,CO 80910	Lead Compounds
2355 S 1100 W, WOODS CROSS,UT 84087	Mercury
1041 WOODWARD WAY, FORT COLLINS,CO 80524	Nickel
1041 WOODWARD WAY, FORT COLLINS,CO 80524	Chromium
9755 CR 213, DURANGO,CO 81301	Mercury
1041 WOODWARD WAY, FORT COLLINS,CO 80524	Copper
301 W 60TH PL, DENVER,CO 80221	Lead

324110: Petroleum Refineries	122.37	1,859.18	1419.31%
339950: Sign Manufacturing	0.18	3.22	1678.64%
334418: Printed Circuit Assembly (Electronic Assembly) Manufacturing	0.33	27.33	8181.82%
327390: Other Concrete Product Manufacturing	0.04	10	27062.29%
326199: All Other Plastics Product Manufacturing	0	34,051.00	âˆž
221112: Fossil Fuel Electric Power Generation	0	20,810.00	âˆž
334412: Bare Printed Circuit Board Manufacturing	0	6,721.50	âˆž
332813: Electroplating, Plating, Polishing, Anodizing, and Coloring	0	850	âˆž
325411: Medicinal and Botanical Manufacturing	0	516.8	âˆž
928110: National Security	0	72.7	âˆž
928110: National Security	0	20.3	âˆž
327320: Ready-Mix Concrete Manufacturing	0	14.64	âˆž
928110: National Security	0	11	âˆž
327331: Concrete Block and Brick Manufacturing	0	9.29	âˆž
324110: Petroleum Refineries	0	2	âˆž
333618: Other Engine Equipment Manufacturing	0	0.28	âˆž
333618: Other Engine Equipment Manufacturing	0	0.1	âˆž
327320: Ready-Mix Concrete Manufacturing	0	0.1	âˆž
333618: Other Engine Equipment Manufacturing	0	0.08	âˆž
327390: Other Concrete Product Manufacturing	0	0.001523	âˆž

Source Reduction: W13: Improved maintenance scheduling, recordkeeping, or procedures[-0-4%]
Source Reduction: W42: Substituted raw materials - Using Lead Free soldering on all electronic assemblies Methods to Identify SR Opportunities: T11: Other - Usi
Other Environmental Practices: Recycling - We have a team that has taken our recycling to a higher level working with a local recycling company.
Source Reduction: W82: Modified design or composition of product[-50-99%]
Source Reduction: W19: Other changes in operating practices - We began separating the isocyante hardeners from the amine hardeners in 2017. We also pushe
Other Environmental Practices: Otter Tail Power Company has a continuing program for energy conservation. Each year through our conservation efforts we prev
Other Environmental Practices: Recycling - This facility reclaims approximately 47% of it Copper Materials
Source Reduction: Source Reduction - Upgrade equipment for emission reduction.
Other Environmental Practices: General Environmental Management - Our dust collection systems include cyclones and bag houses to reduce our emissions.
Other Environmental Practices: General Environmental Management - Environmental Management System utilized to monitor and control usage.
Other Environmental Practices: General Environmental Management - Environmental Management System utilized to monitor and control usage.
Other Environmental Practices: Recycling - Unused concrete returned to the facility is allowed to cure and is periodically reprocessed into road base gravel mater
Other Environmental Practices: General Environmental Management - Environmental Management System utilized to monitor and control usage
Source Reduction: W64: Improved draining procedures - Installed check dams at storm drains
Source Reduction: W29: Other changes in inventory control - Getting rid of mercury-containing lab equipment and, when feasible, not purchasing equipment tha
Other Environmental Practices: General Environmental Management - ISO14001 Certified FacilityOther Environmental Practices: Waste Treatment - All machinir
Other Environmental Practices: General Environmental Management - Facility is ISO14001 Certified.Other Environmental Practices: Waste Treatment - All metal
Other Environmental Practices: Recycling - Unused concrete returned to this facility is allowed to cure and is periodically reprocessed into road base gravel mate
Other Environmental Practices: General Environmental Management - ISO14001 Certified.Source Reduction: Methods for Identifying Pollution Prevention Oppor
Source Reduction: Source Reduction - No flyash used during 2017 RY

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