

**ATTACHMENT 10**  
**DESIGN DRAWINGS**

Attachment 10  
Design Drawings

Number	Revision	Title
D-034-PI-001	3	P&ID Legend Sheet 1 (unstamped)
D-034-PI-004*	24	Master Interlock System, Sheet 2
D-034-PI-005*	19	Operating Interlock System, Sheet 1
D-034-PI-006*	11	Operating Interlock System, Sheet 2
D-034-PI-101	19	P&ID Slagging Rotary Kiln System
D-034-PI-102	20	P&ID Kiln Feed System
D-034-PI-103	8	P&ID Kiln Miscellaneous Systems
D-034-PI-105	27	P&ID Front Wall Burner Controls, Sheet 1
D-034-PI-106	35	P&ID Front Wall Burner Controls, Sheet 2
D-034-PI-107	23	P&ID Afterburner Controls, Sheet 1
D-034-PI-108	26	P&ID Afterburner Controls, Sheet 2
D-034-PI-109	12	P&ID Afterburner Controls, Sheet 3
D-034-PI-110	9	P&ID Deslagging System
D-034-PI-201	21	P&ID Spray Dryer Quench Tower
D-034-PI-202	14	P&ID Baghouse
D-034-PI-204	15	P&ID Saturator & Scrubber
D-034-PI-205	28	P&ID 1st Stage Neutralization System
D-034-PI-206	22	P&ID 2nd Stage Neutralization System
D-034-PI-207	8	P&ID Soda Ash Storage Handling System

Number	Revision	Title
D-034-PI-208	22	P&ID Spray Dryer Feed System
D-034-PI-209	8	P&ID Cooling Tower
D-034-PI-211	4	P&ID Wet Electrostatic Precipitator
D-034-PI-212	4	P&ID I.D. Fan and Stack
D-034-PI-213	8	P&ID Emergency Air/Water
D-034-PI-214	5	P&ID Residue Handling Building
D-800-PI-215	4	Piping Diagram CEM System #1
D-800-PI-216	2	Piping Diagram CEM System #2
D-034-PI-220	2	Activated Carbon Silo
D-034-PI-221	3	PAC Dosing System Train 1
D-034-PI-222	3	PAC Dosing System Train 3
D-034-PI-300	7	P&ID Liquid Unloading Pumps
D-034-PI-301	12	P&ID Waste Liquid Transfer Pumps
D-034-PI-302-1	24	P&ID Direct Burn Waste Liquid Unloading
D-034-PI-302-2	5	P&ID Direct Burn Waste Liquid Unloading
D-034-PI-302-3	7	Sludge Pad Direct Burn Station
D-034-PI-303	3	P&ID Feed Tanks Sheet 1
D-034-PI-304	4	P&ID Feed Tanks Sheet 2
D-034-PI-305	4	P&ID Liquids Storage
D-034-PI-306	4	P&ID Liquids Storage
D-034-PI-307	8	P&ID Liquids Storage Tanks, PE Stamped 01/15/21
D-034-PI-308	6	P&ID Liquids Storage Tanks

Number	Revision	Title
D-034-PI-309	7	P&ID Liquids Storage Tanks, PE Stamped 2/22/10
D-034-PI-310	9	P&ID Liquids Storage Tanks
D-034-PI-313	4	P&ID Blend & Transfer Pumps
D-034-PI-314	5	P&ID Blended Liquid Feed & Transfer Pumps
D-034-PI-315	5	P&ID Aqueous Feed Pumps
D-800-PI-316	19A	P&ID Hydrocarbon Vent System
D-800-PI-317	6	P&ID Vent System and Combustibles Analyzers
D-034-PI-318	6	P&ID Compressed Gas Waste
D-034-PI-401	4	P&ID Solids Handling
D-034-PI-402	19	P&ID Sludge Handling
D-800-PI-408	8	Bldg. E-4 Decant P&ID
D-800-PI-410	24	P&ID Combustibles Monitoring System
D-800-PI-411	4	P&ID Comb. Air Carbon Adsorption System
D-034-PI-601	8	P&ID Fuel Oil/Outside Storage Tanks/Pumps
D-034-PI-602	5	P&ID Area Sumps Sheet 1
D-034-PI-603	12	P&ID Area Sumps Sheet 2
D-034-PI-604	7	P&ID Air Compressor System
D-034-PI-605	15	P&ID Nitrogen & Fuel Oil
D-034-PI-606	14	P&ID Plant, Instrument Air & Propane
D-034-PI-607	4	P&ID Plant Water, Runoff Water, Fire Water
D-034-PI-608	11	P&ID Potable Water
D-034-PI-609	14	P&ID Plant Water

Number	Revision	Title
D-034-PI-701	0	Komar Shredder Feed System
D-034-PI-702	0	Komar Airlock
D-034-PI-703	0	Komar Dual Shredder System
D-034-PI-704	0	Screw Conveyor to Auger Kiln Feed
D-034-PI-705	0	Komar Kiln Feed Auger System
D-034-PF-100	15	Overall Flow Scheme
D-800-PF-275	1	Process Flow Diagram – Typical December 1997
D-800-PF-276	1	Process Flow Diagram – Typical December 1997
D-034-PF-301 Sheet 1 of 2	12	Liquids Handling (Tank Farm) - Flowsheet
D-034-PF-301 Sheet 2 of 2	7	Liquids Handling (Tank Farm) - Flowsheet
D-034-PF-302	12	Direct Burn & Cylinder Material Handling - Flowsheet
D-034-PF-401	9	Process Flow Diagram - Barrel Handling
D-034-PF-402	9	Sludge and Bulk Solids Handling - Flowsheet
D-034-PF-603	10	Closed Vent System Flowsheet
D-034-PF-604	9	Hydrocarbon Vent System Flow Diagram
D-034-M-001	13	Site Plan
D-034-M-002	34	Plot Plan
D-034-M-002-SP	26	Sump and Sump Pump Location
D-034-M-005	29	Safety Equipment Plan
D-034-M-401	0	Cylinder Storage Area Plot Plan
D-800-M-402	15	Container Storage Building Plan

Number	Revision	Title
D-800-M-403	9	Material Handling Area Plan
D-800-M-500	2	Shredder Tower Barrel Storage Area
D-800-M-502	0	Explosives Handling and Storage
SK-090-997-AR	5	Area Site Plan

\* NOTE: These drawings include interlocks that are not required by this permit. They are required by other permits and are included in these drawings to avoid the confusion caused by two sets of interlock drawings.