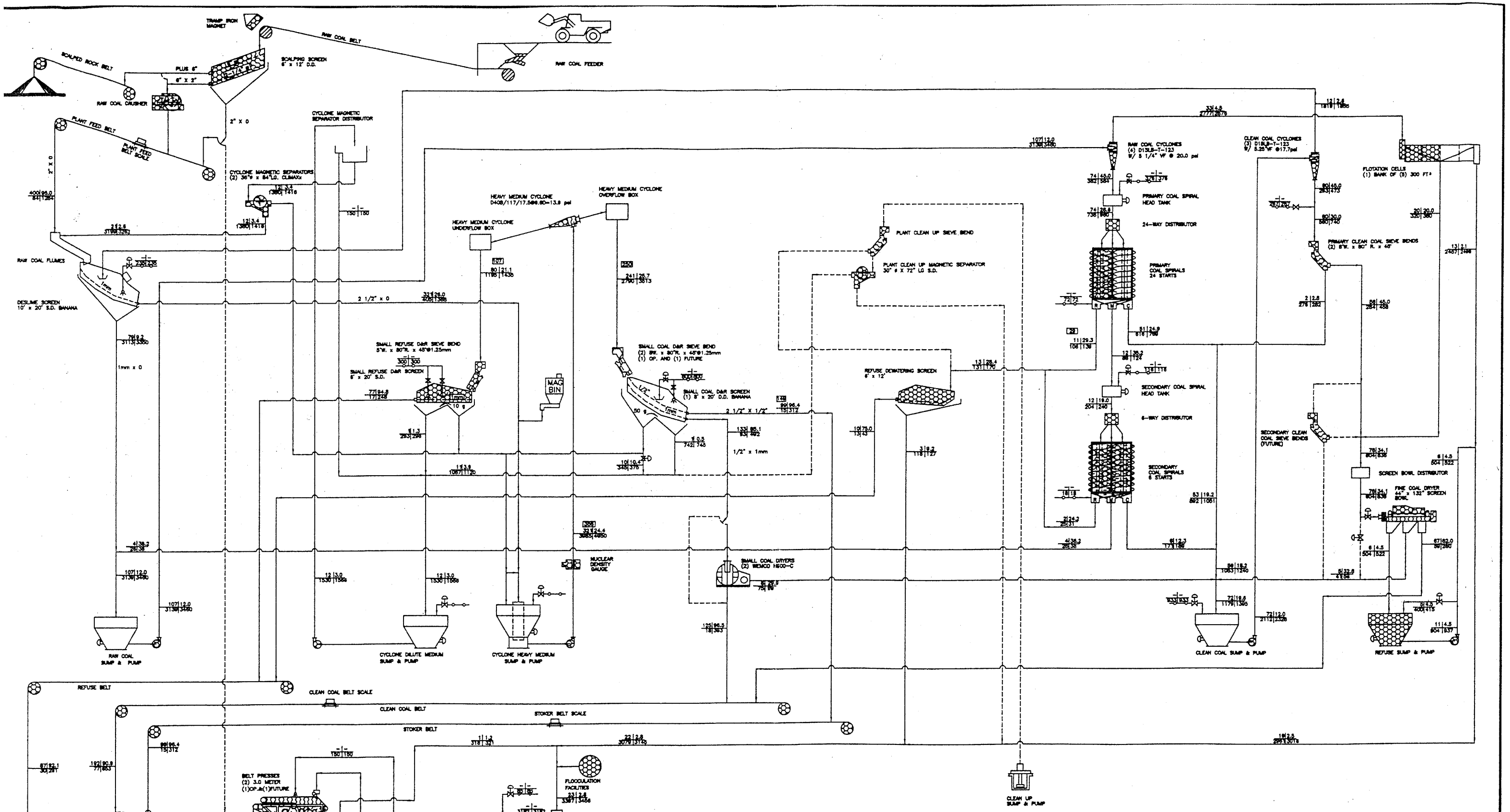
US EPA ARCHIVE DOCUMENT



NOTE: THE BALANCE IS BASED UPON CRUSHED MAXIMUM FINES CONDITIONS

LEGEND

TPH Solids	%Solids/Wt.
GPM Water	GPM Slurry

- Automatic Make-Up Valve
- Level Sensor
- Thick. U'Flow Water
- Fresh Water
- Intermittent Flow
- Maximum TPH

DESIGN SCREEN ANALYSIS — CRUSHED – MAXIMUM COARSE CONDITION

SIZE	% WT.	TPH	CUM.%WT.	CUM.TPH
PLUS 4"	0	0	0	0
4" x 2 1/2"	0	0	0	0
2 1/2" x 1/2"	53.2	213	53.2	213
1/2" x 3/8"	7.8	31	66.0	244
3/8" x 1/4"	10.6	42	71.6	286
1/4" x 16M	17.9	72	89.5	358
16M x 60M	5.6	22	95.1	380
60M x 100M	1.3	6	96.4	386
100M x 325M	1.8	7	98.2	393
325M x 0	1.8	7	100.0	400

DESIGN SCREEN ANALYSIS — CRUSHED – MAXIMUM FINES CONDITION

SIZE	% WT.	TPH	CUM.%WT.	CUM.TPH
PLUS 4"	0	0	0	0
4" x 2 1/2"	0	0	0	0
2 1/2" x 1/2"	36.1	144	36.1	144
1/2" x 3/8"	6.6	27	42.7	171
3/8" x 1/4"	8.7	35	51.4	206
1/4" x 16M	29.0	116	80.4	322
16M x 60M	10.2	40	90.6	362
60M x 100M	2.2	9	92.8	371
100M x 325M	2.8	11	95.6	382
325M x 0	4.4	18	100.0	400

DRAWN BY:
DATE: 9/07/04

CHECKED BY:
DATE: 9/07/04

APPROVED BY:
DATE: 9/07/04

A — Date: 10/04/04 — Revision: Added Sec. Spirals

B — Date: 12/10/04 — Revision: Added Raw Coal By-Pass

C — Date: 1/12/05 — Revision: Spiral Sump & Pump

D — Date: 2/1/05 — Revision: Mod. Scalp. Scrn. Dis. Add Cl.Up. Mag. Sep.

NOT TO SCALE

JAD COAL COMPANY

ST. CHARLES, VIRGINIA

FORRESTER'S CREEK PREPARATION PLANT

COLDIRON, KENTUCKY

PROPOSED 400 TPH PREPARATION PLANT

ALTERNATE FLOWSHEET

DWG. NO. & CAD FILENAME: 0414-FS1A

Revision D