



Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

June 30, 1998

Mr. Richard A. Patterson
Geoffrey Boden and Associates
6337 Jack Wright Island Road
St. Augustine, Florida 32092

Re: Cutrale Citrus Juices USA, Inc. - Pollution Control Equipment

Dear Mr. Patterson:

I have reviewed the material submitted via FAX on June 29, 1998, concerning equipment used for the purpose of pollution control at the Cutrale Citrus Juices USA, Inc., located near Leesburg in Lake County, Florida. Without further explanation, and in the absence of a statement that the primary purpose of the equipment listed on Attachment A is primarily for the purpose of pollution control by an engineer registered in the State of Florida, as required by Florida Administrative Code Rule 62-8, I can not find all of the equipment eligible. I have struck through the items that are questionable or in my opinion not eligible. The items that are not stricken would be eligible for assessment at salvage value pursuant to section 193.621, Florida Statutes.

If you or the County Property Appraiser have any questions, I may be reached at (850) 487-0472.

Sincerely,

Hamilton S. Oven
Hamilton S. Oven, P.E.

Attach:

Jack Wright Island Road
C 337

FAX St Augustine, FL

32092

TO MR. BUCK OVEN

FAX # 850-921-7250

FROM: Rick Patterson

SUB CENTRAL CITRUS USA POLL CONT

OF PAGES INCLUDING COVER 12

Mr. Buck Oven
Admininstrator
Citing & Coordination Office
Florida Department of Environmental Regulation
2600 Blair Stone Road
Twin Towers Office Building
Tallahassee, Florida 32399

Re: Application for Pollution Control Status on equipment of Cutrale Citrus USA, Inc.

Attachments:

Exhibit 1 Water Balance Diagram - Leesburg
Exhibit 2 Water Balance Diagram - Auburndale
Exhibit 3, Pages 1-3, Facility Plan
Exhibit 4, Permits Listing
Exhibit 5, Pages 1-2, Equipment Listing

Dear Mr. Oven,

Cutrale Citrus Juices USA, Inc. (Cutrale) operates a citrus processing plant located near Leesburg, in Lake County, Florida. The facility has been in operation for approximately 50 years. The primary products of the plant are citrus juice concentrate, single-strength citrus juice, cattle feed and by products. The plant operates year round and has a capacity to process about 75,000 boxes of fruit per day.

Raw materials include citrus fruit, fruit juices, essences, cold press oils, high-fructose corn syrup, sucrose, and packaging materials. Caustic and acid solutions are used for cleaning on a routine basis. Other chemicals and materials used in the facility include anhydrous ammonia, propylene glycol, chlorine gas, lime, hydraulic and lubricating oils, cleaning solvents and water treatment chemicals.

Water used in the plant process is drawn from wells on the property. Cutrale then utilizes a condensate reuse system and a closed loop water cooling system to reduce process water usage. During plant processing some water is used in the finished product and some is lost through evaporation, but the majority of the process water is routed to the industrial wastewater treatment facility. The effluent from the treatment facility is finally disposed through a land application spray system located on 500 acres of Cutrale property.

All domestic water usage and treatment is provided by the City of Leesburg and is separate from the industrial plant process.

Storm water is collected in Cutrale's retention ponds and directed to the industrial wastewater treatment plant and then to the sprayfield for disposal.

Exhibit 1 is a diagram of the Leesburg Plant Water Balance detailing water flows at the processing

plant during May, 1992. Cutrale is currently working on renewing wastewater disposal permitting and a better diagram is being drawn. Exhibit 2 is a water balance diagram of the Cutrale plant in Auburndale, Florida. It portrays a water reuse system more clearly. The two systems are identical with the exception that the Leesburg plant routes the domestic wastewater back to the city.

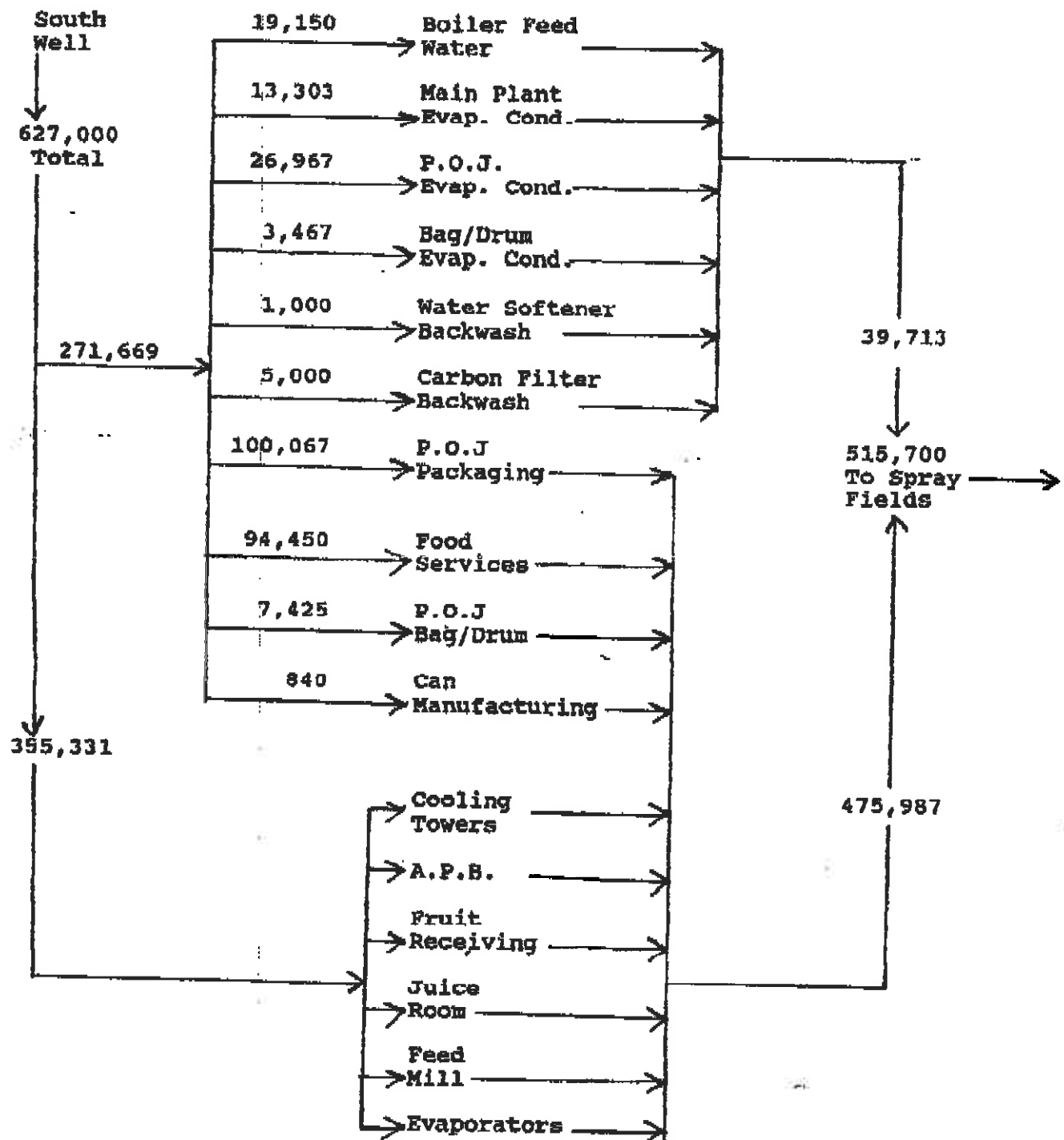
Thank you very much for taking the time to review this application. If you have any questions please call me at (904) 284-4061.

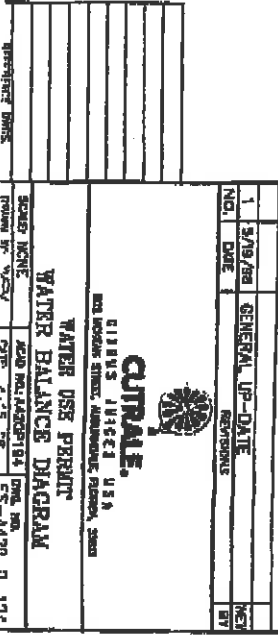
Richard A. Patterson

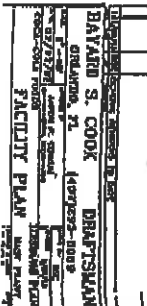
Exh 1

COCA COLA FOODS- LEESBURG

PLANT WATER BALANCE: (Flows in gpd for 5/18 to 5/22, 1992)







PERMIT #	PERMIT TYPE	ISSUANCE DATE	TRANSFER DATE	RENEWAL DATE	EXPIRATION DATE	ISSUING AGENCY	DESCRIPTION
FL0105619	Industrial Wastewater	08/14/1998	11/12/1996	07/04/2000	01/04/2001	FDEP	Leesburg Sprayfield and WWT
AC35-258550	Air Operating Permit	12/05/1994	12/30/1996		01/15/1997	FDEP	Citrus Peel Dryer Title IV Application submitted to FDEP
AO35-237419	Air Operating Permit	08/18/1994	12/30/1996		08/17/1998	FDEP	CoGen System Title IV Application submitted to FDEP
AO35-225150	Air Operating Permit	05/05/1993	12/30/1996		04/30/1998	FDEP	Cooling Reel Title IV Application submitted to FDEP
AO35-203387	Air Operating Permit	01/06/1992	12/30/1996		11/30/1998	FDEP	Boiler #4 Title IV Application submitted to FDEP
33300	Storage Tank Registration	08/17/1995	11/19/1996	JUNE 30TH	06/30/1996	FDEP	Facility #53-8622985 Tanks Registered; 7
FLD004072542	Hazardous Waste	11/05/1996	N/A	N/A	N/A	EPA	USEPA Hazardous Waste Generator - "Permit" number is "ID" Number - There is no expiration or renewal date.
35-64-061	Biomedical Waste	04/30/1993	11/19/1996		Oct 1st	HRS	Exempt Status
Dated 6/25/91	PFD Zoning Permit	06/25/1991	N/A	N/A	N/A	LCDEM	Lake County Zoning Requirement for Sprayfield
PWS ID# 3354020	Drinking Water System	10/15/1992	10/04/1996	N/A		FDEP	
2-068-0471NRM	CUP - Plant	11/10/1992	11/22/1996	07/10/2002	11/10/2002	SJRWMD	Water Use Permit
2-068-0549NRM	CUP - Sprayfield	08/11/1992	11/21/1996	04/11/1999	08/11/1999	SJRWMD	Water Use Permit
42-068-0639NMK	Primary Storage Retention	01/13/1993	11/20/1996	12/13/1997	01/13/1998	SJRWMD	Every 2 year requirement
FLR05B009	NPDES Stormwater	01/20/1997	N/A	07/20/1999	01/20/2000	EPA	

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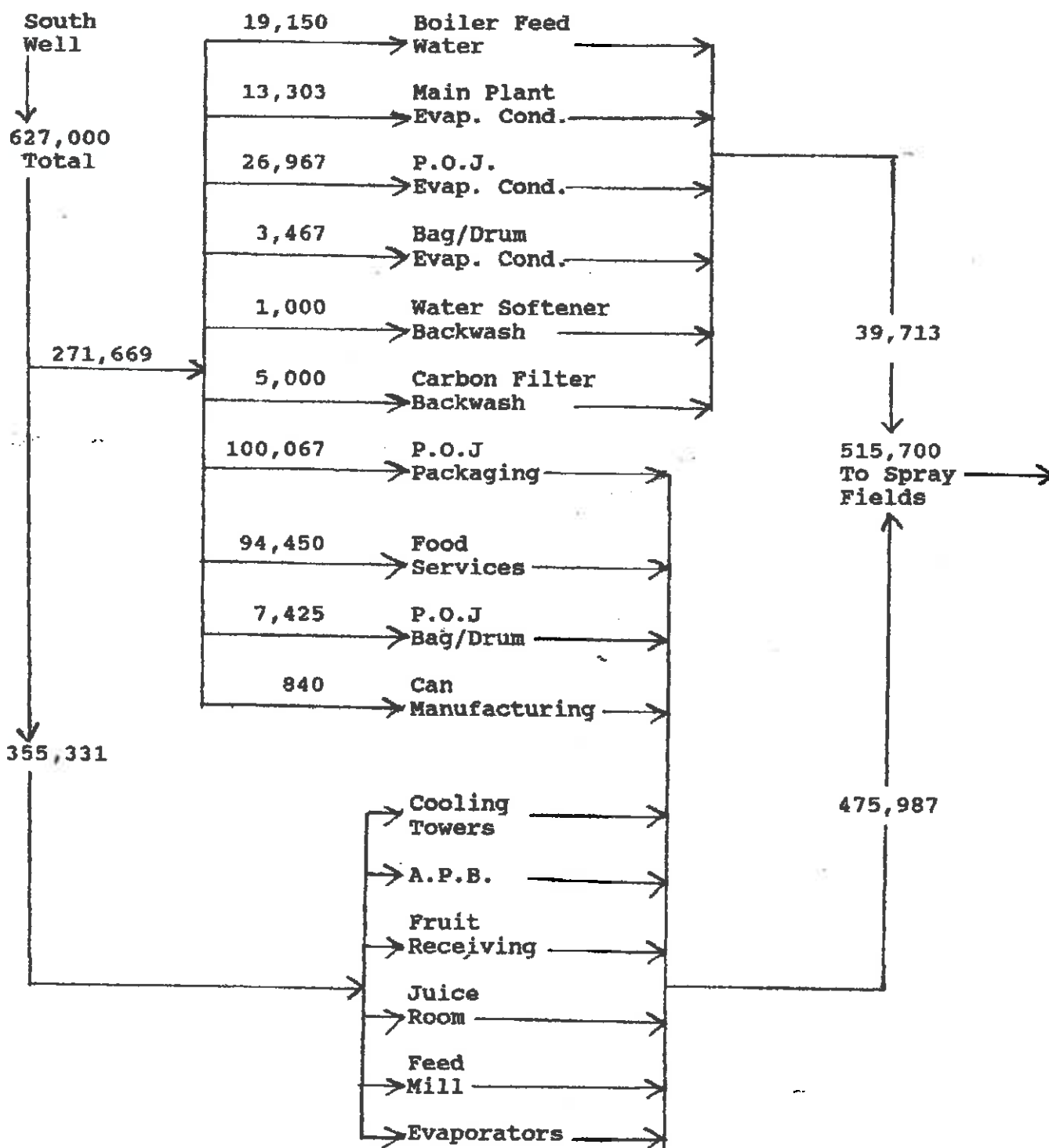
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Richard A. Patterson

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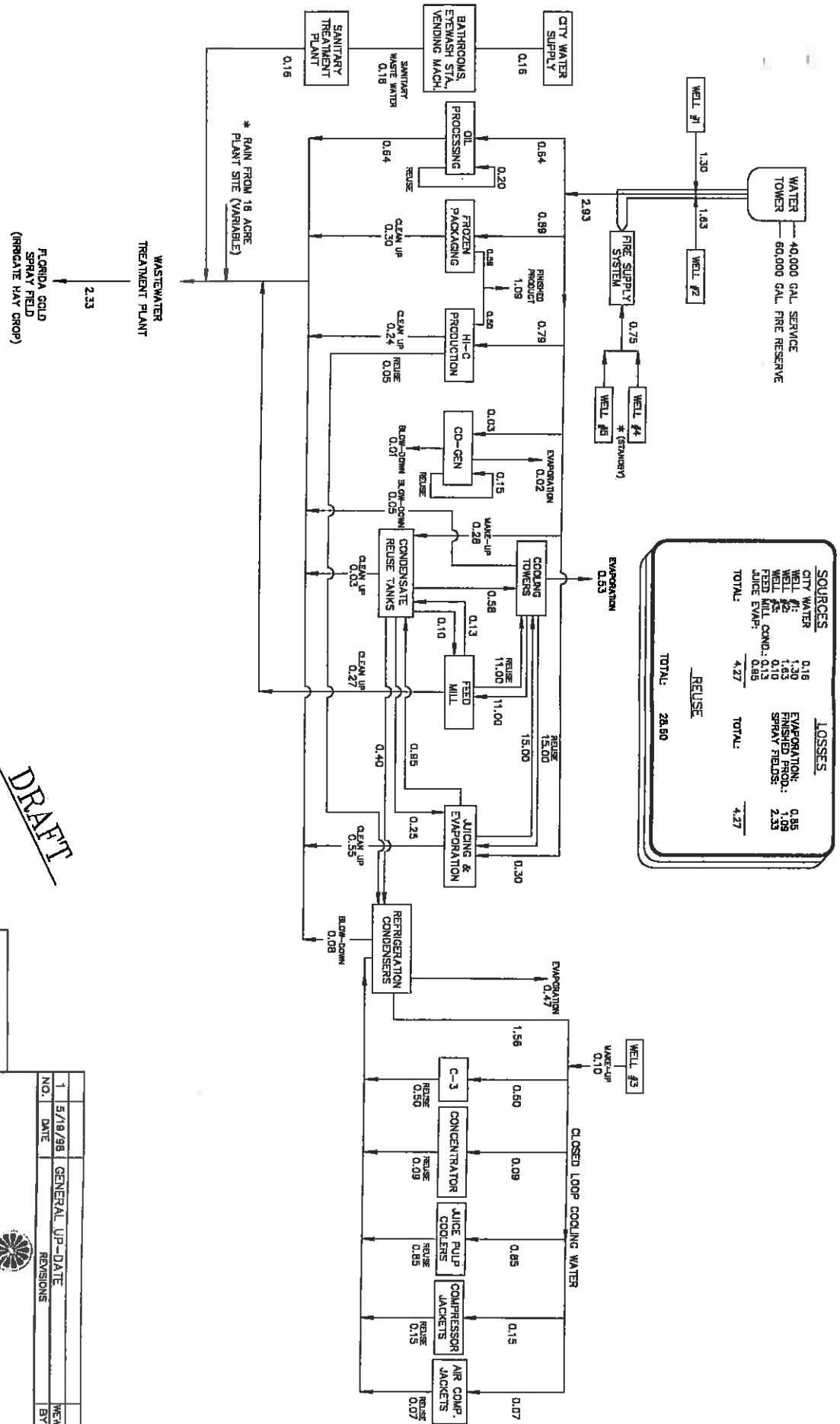
* DOES NOT REFLECT STAND-BY WELLS OR RAIN TO WASTE WATER TREATMENT PLANT

NOTE: ALL FLOWS ARE GPD * 1,000,000

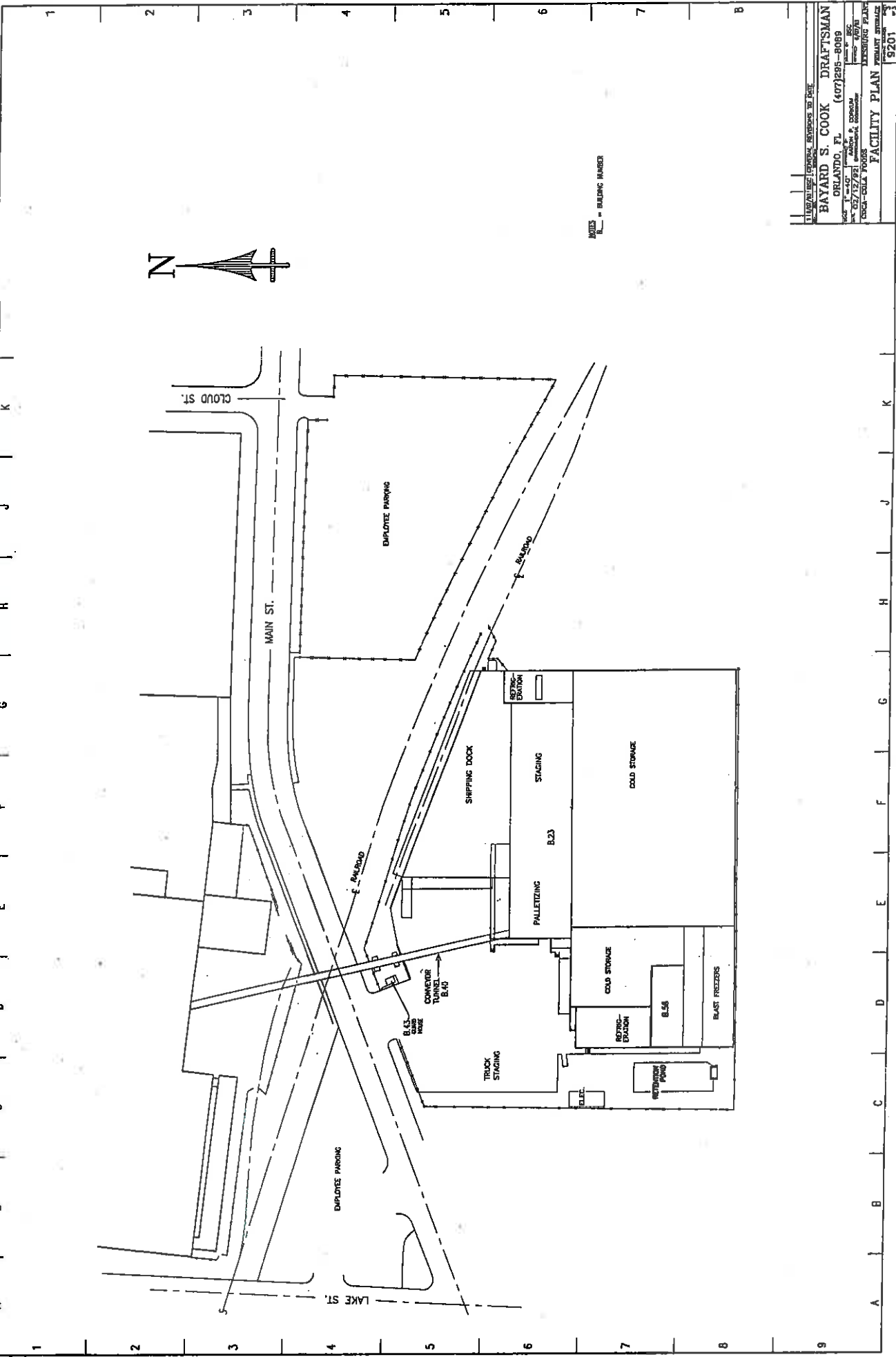
FLOPSA COLD
SPRAY FIELD
(IRRIGATE HAY CROP)

DRAFT

1		5/18/98	GENERAL UP-DATE	BY
NO.		DATE	REVISIONS	BY
 CUTRALE. CITRUS JUICES USA 602 MORGAN STREET, ALBUQUERQUE, FLORIDA 33623				
WATER USE PERMIT WATER BALANCE DIAGRAM SCALE: NONE ADD NO. A420P194 DATE NO. 12-1-97				

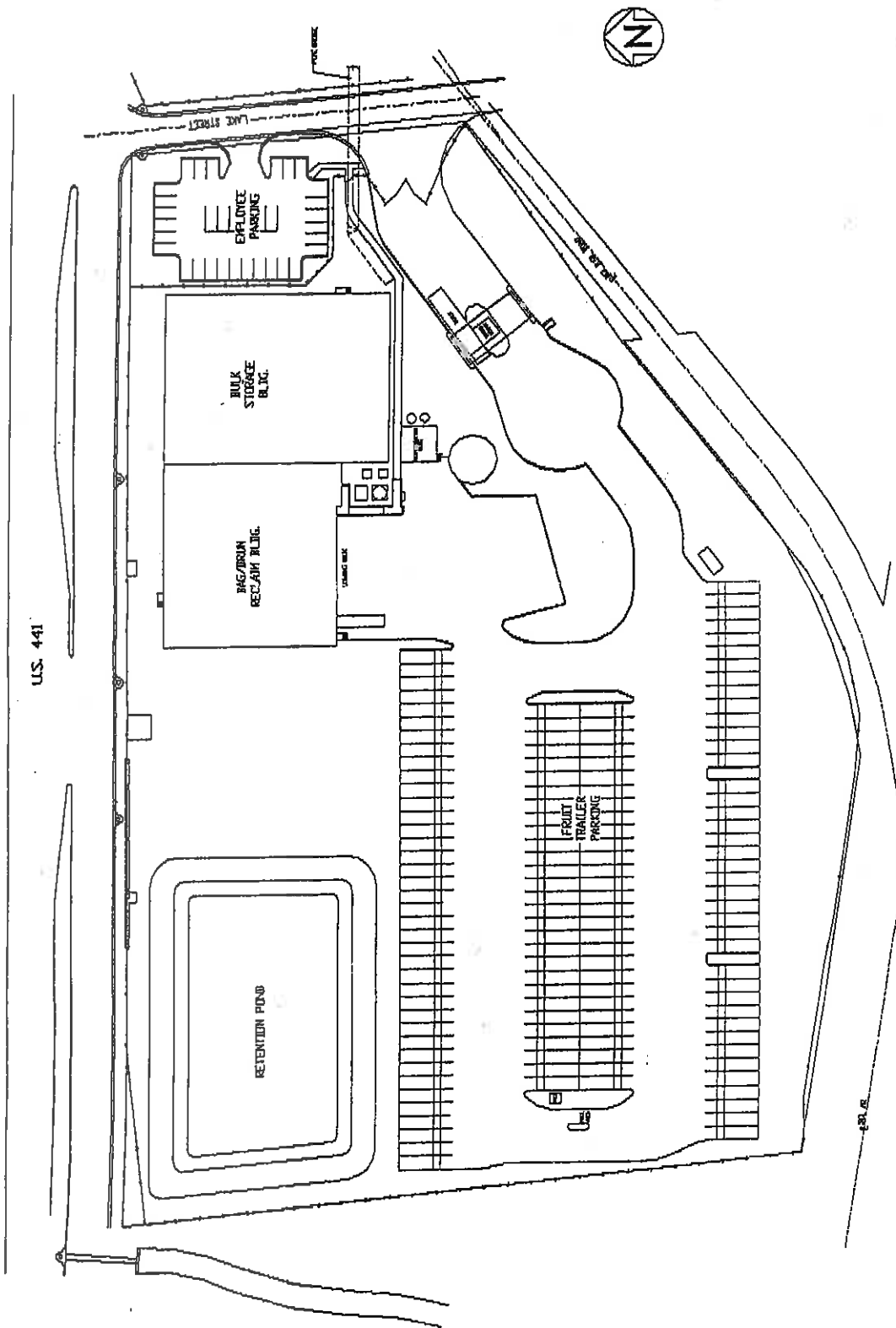


Exh 3



DATE/REVISION	REVISIONS TO DATE
BAYARD S. COOK	DRAFTSMAN
ORLANDO, FL	(407)285-8089
DATE	PROJECT
02/12/91	INDUSTRIAL DEVELOPMENT
COCA-COLA TOWNS	INDUSTRIAL DEVELOPMENT
FACILITY PLAN	INDUSTRIAL DEVELOPMENT
9201	9201

RAYMOND E. COOK		DRAFTSMAN	
ORLANDO, FL		(ART) JMS - HONE	
DATE: 11-1-82		SCALE: 1" = 40'	
PROJECT: 10000		SHEET NO. 10000	
FACILITY PLAN		SHEET 10000	



U.S. 441

NOT TO SCALE
DATE: 11-1-82
BY: R.E.C.

PERMIT #	PERMIT TYPE	ISSUANCE DATE	TRANSFER DATE	RENEWAL DATE	EXPIRATION DATE	ISSUING AGENCY	DESCRIPTION
FL0105619	Industrial Wastewater	06/14/1996	11/12/1996	07/04/2000	01/04/2001	FDEP	Leesburg Sprayfield and WWT
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CUTRALE CITRUS USA - POLLUTION CONTROL EQUIPMENT - LEESBURG

The primary purpose of all the equipment contained in this list is to prohibit the discharge of contaminated industrial wastewater into the lakes & streams.

ITEM	YR ACQ	DESCRIPTION	ORIGINAL COST
1	85	SPRAYFIELD 1	13,153.74
2	86	SITWORK SYSTEM	739,534.37
3	86	IRRIGATION	503,715.16
4	87	PROF ENG SE	342.60
5	87	GATES & FENCES	2,032.00
6	88	SECURITY FENCE	20,706.00
7	89	BASIN & PVC	3,395.00
8	91	FENCE	6,013.28
9	91	SOFT START	19,779.19
10	91	ENLARGE SUMP	2,300.00
11	91	LEVEL CONTLS	3,000.00
12	93	LANDSCAPE	13,079.09
13	93	STRAINER 10 "	37,734.09
14	93	STRAINER 8 "	8,008.09
15	93	STRAINER 8 "	9,794.09
16	93	STRAINER 6 "	5,730.09
17	93	STRAINER 6 "	5,730.09
18	93	STRAINER 6 "	5,955.09
19	93	STRAINER 6 "	5,955.09
20	93	STRAINER 6 "	5,955.09
21	93	STRAINER 5 "	10,050.08
22	95	ELEC ACTUA	189,730.00
23	95	PIPELINE	1,770,028.97
24	95	IRRIGATION SYSTEM	144,901.42
25	95	TREES	45,000.00
26	95	WELL - IRRIGATION	5,000.00
27	95	WELL - IRRIGATION	5,000.00
28	95	PIPING PH CONTROL	554,370.01
29	95	TRANSFORMER	33,184.00
30	75	PIPING & INSTALLATION	42,768.10
31	77	WASTE WATER SPRAY FIELD	30,423.40
32	78	WASTE WATER SPRAY FIELD	3,752.11
33	81	DISSOLVED OXYGEN METER	815.00
34	81	IRRIGATION SYSTEM	19,653.78
35	83	CONDENSATE PIPING	10,452.05
36	83	CONDENSATE ELECTRIC	2,040.88
37	86	SPRAYFIELD FLOWMETER	2,288.16
38	86	CONTAIN TANK OVERFLOW	11,083.74
39	88	FRACTIONAL CONDENSER	64,429.64
40	88	FRACTIONAL CONDENSER	64,429.65
41	90	SUMP PUMP	10,703.38
42	90	MUD HOG PUMP	1,675.54
43	90	HEAT EXCHANGER & PIPE	66,288.96

CUTRALE CITRUS USA - POLLUTION CONTROL EQUIPMENT - LEESBURG

The primary purpose of all the equipment contained in this list is to prohibit the discharge of cantaminated industrial wastewater into the lakes & streams.

ITEM	YR ACQ	DESCRIPTION	ORIGINAL COST
44	91	CHLOR SCALE	4,480.26
45	91	CHLOR SCALE	4,480.25
46	91	ROUTE CONDENSATE LINE	1,424.83
47	91	ROUTE CONDENSATE LINE	1,424.83
48	91	ROUTE CONDENSATE LINE	1,424.82
49	91	STABLZR/HEAT EXCHANGER	383,266.26
50	91	EVAP CONDENSER CONTR	9,097.85
51	91	NITRIC ACID TANK	35,000.00
52	91	CAUSTIC TANK	35,000.00
53	92	INLET/DISCHARGE PIPE	3,900.00
54	92	TANK CONTAINMENT AREA	84,727.23
55	93	BAROMETRIC PUMP	21,497.73
56	93	BAROMETRIC PUMP	21,497.73
57	94	EVAPORATOR CONDENSER	57,825.50
58	94	EVAPORATOR CONDENSER	57,825.50
59	95	CAUSTIC TANK	18,777.05
60	95	TANK CONTAINMENT AREA	25,135.63
61	95	CONDENSATE CHEM TANK	14,390.00
62	95	RESPRAY PUMP	23,920.74
63	95	RESPRAY PUMP	10,062.72
64	95	RESPRAY PUMP	10,534.12
65	95	ELEC SYS - SPRAYFIELD	27,875.00
66	95	SPRINKLER SYS	38,000.00
67	95	WASTEWATER SUMP	137,200.88
68	95	EQUALIZATION TANK	279,682.89
69	95	TANK LEVEL CONTROLLER	23,095.00
70	95	STATIC MIXER	8,079.94
71	95	AERATION SYSTEM	31,339.13
72	95	TANK PUMP	30,559.86
73	95	PUMP LEVEL CONTROLLER	9,261.00
74	95	TANK PUMP	30,559.86
75	95	PUMP LEVEL CONTROLLER	9,261.00
76	95	ROOTS BLOWER	21,701.20
77	95	SUMP PUMP	30,337.60
78	95	PH METER	7,527.66
79	95	PH METER	7,527.66
80	95	PH METER	7,527.67
81	95	SWITCH GEAR	37,112.00
82	96	R5 HEAT EXCHANGER	51,925.83
83	96	REBLD COOLING TOWER	71,282.96
84	96	REBLD COOLING TOWER	55,987.22
85	79	HEAT EXCHANGER	16,574.99
86	79	HEAT EXCHANGER	16,574.99

CUTRALE CITRUS USA - POLLUTION CONTROL EQUIPMENT - LEESBURG

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ITEM	YR ACQ	DESCRIPTION	ORIGINAL COST
87	79	HEAT EXCHANGER	6,542.37
88	79	HEAT EXCHANGER	6,542.37
89	79	HEAT EXCHANGER	17,312.96
90	82	BASE PLATE/HEAT EXCHANG	34,625.71
91	86	SPRAYFIELD PIPELINE	48,072.14
92	87	EVAPORATIVE CONDENSER	48,177.00
93	88	PLATE HEAT EXCHANGER	85,438.04
94	88	PLATE HEAT EXCHANGER	85,438.04
95	92	WATER RECYCLE SYSTEM	21,859.09
96	92	LIME BAG HOUSE	24,477.00
97	93	CHLORINATION SYSTEM	34,047.47
98	93	CHEM WATER MAKE UP SYS	20,756.98
99		TOTALL	<u>6,707,957.58</u>