

**Table 2-4  
Operational Pond Information**

<b>Pond / Pad</b>	<b>Primary Use (2)</b>	<b>Primary Use (4)</b>	<b>Primary Use (3)</b>	<b>Influent (3) and (4)</b>	<b>Effluent (3) and (4)</b>	<b>Received Transfers during 1985 to 1986 from Pond ____ (1)</b>
Pond 1	R, E	S, E	R, S/E	Received overflow from Pond 2	Overflowed to Pond A-1	Ponds 10 and 18
Pond 2	R, E	S, E	R, S/E	Received overflow from Pond J and Pad 4A	Overflowed to Pond 1	Ponds 5, 10, 13, E, J, L and S
Pond 3	R, E	S, A	R, S/A	Received water from H <sub>2</sub> O <sub>2</sub> unit	Overflowed to Pond 4, pumps water to Pond 10	Ponds 2, 4, 10, 13, M and A-6
Pond 4	R, E	S, A	R, S/A	Received overflow from Ponds 3 and 9; capped with oil to control odors	Overflowed to Pond 10	Ponds 10, 13, A-3 and A-5
Pond 5	R	S	R, S	Received water from Pond 10	Overflowed to Pond 8; pumped water to Pads 9B, 10C, 10E and 10G	Ponds 10, 20, E and A-3
Pond 6	LR, LC	S, A	R, S/A	Received water from Pond 19 and Pads 9A and 9B, received runoff from Acids Landfill	Overflowed to Pond 8, pumped water to Pads 9B, 10C, 10E and 10G	Ponds 1, 2, 10, 19 and A-6
Pond 7	Converted to Pads 9A and 9B					
Pond 8	R, E	S	R, S	Received water from Pond 6	Bottom drain discharged to Pond 10	Ponds 1, 3, 6, 10, 20 and A-3
Pond 9	R, E	S	R, S	Received water from Ponds V and M; capped with oil to prevent odors	Overflowed to Pond 4; pumped water to H <sub>2</sub> O <sub>2</sub> unit	Ponds M and V
Pond 10	R, E	S, A	R, S, A	Received water from Ponds 4, 8 and 11	Sent water to Ponds 5, 19 and 20, and Pads 7A and 8A; sends water to underground pipeline that feeds entire facility	Ponds 1, 2, 3, 4, 5, 6, 8, 11 and A-3
Pond 11	R, E	S	R, S	Received water from Pond 12	Overflowed to Pond 10	Ponds 10, 12, 13 and A-3

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Pond 12	R, E	S	R, S	Received overflow from Pond 20, receives runoff from scale sumps; receives water from leach lines	Overflowed to Pond 11	Pond A-3
Pond 13	RS, E	RC	R, S	Fed by underground pipeline	Water used for irrigation	Pond 6
Pond 14	ALK	T	N	Used to treat alkaline wastes, discharged to Ponds E and 23; pumped to all other SI units	Sludge taken to Heavy Metals Landfill; some placed on ground between Ponds D and L	None
Pond 15	WAO, E	T, S	T, S	Received waste from Pond 18, received Stringfellow wastewater, treatment included raising pH to precipitate metals, received treated liquids from WAO unit	Overflowed to Pond 17, connected to underground pipeline; overflow pipe to Pond E	Pond 18
Pond 16	W	S	W	Received water from truck washout	"Blind" pond - no connection with other ponds	None - pond inactive
Pond 17	E	T, S	S	Received water from Ponds 15, 18, and from underground pipeline; received Stringfellow wastewater	Overflow pipe to Pond E	Pond 18
Pond 18	RCRA, E	T, S	S	Received wastewater from Pond 17 and Pad 18, received Stringfellow wastewater, received runoff from PCB Landfill	Overflowed to Pond 1; sent wastewater to Ponds 15 and 17 and to Pad 18; water vacuum trucked from pond to temporary PACT unit (used to treat Stringfellow wastewater); overflow pipe to Pond E	Pond 1, 3, 10, 19, A-3 and A-6

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Pond 19	LR, LC	S, A	LR, A	Received wastewater from Pond 10 and Pads 10A and 10C; received runoff from Acid, Heavy Metal, and Caustics/Cyanides Landfills	Discharged to Pond 6	Pond 1, 2, 3, 6, 10, 16, A-3 and A-6
Pond 20	R, E	S	R, S	Received wastewater from Pond 10 and Pad 8A	Overflowed to Pond 12	Pond 10
Pond 21	Converted to Pad 10E					
Pond 22	E	S	R, S	Received wastewater from Pond 6 and Pad 10F; received portion of Heavy Metal Landfill runoff		Pond 6
Pond 23	Alt ALK	S	R, S	Received water from Ponds 3, 14 and P	"Blind" pond - no discharge	Pond 3
Pond A-1	R, E	S	R, S	Received overflow from Pond 1	Overflowed to Pond A-2	None
Pond A-2	R, E	S	R, S	Received overflow from Pond A-4, connected with Ponds A-1 and A-3	Overflowed to Pond A-3	None
Pond A-3	R, E	S	R, S	Received overflow from Ponds A-2 and A-4	Pumped to Pond A-6 and to spray evaporation; water used for irrigation and dust control on roads	Ponds 3 and A-4
Pond A-4	R, E	S	R, S	Received water from Pond A-5; received runoff/seepage from Pad 18 area	Discharged to Ponds A-2 and A-3	Ponds A-3 and A-5
Pond A-5	WAO, E	S	R, S	Received water from WCCB; received water from the WAO unit and runoff from spray evaporation areas	Overflowed to Pond A-4	None

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Pond A-6	R, E	_	R, S	Received water from Pond A-3	"Blind" pond - no discharge	Pond M and A-3
Pond A	O	WR, S	WR, S	Received oil field wastes and brines	Discharged to Pond S, oil skim sent to oil recovery system	None
Pond B	O	WR, S	WR, S	Received oil field wastes and brines	Bottom drain discharged to Pond M	None
Pond C	O	WR, S	WR, S	Received oil field wastes and brines	Bottom drain discharged to Pond M	None
Pond D	W	S	WR	Received truck washout	Overflowed to Pond L	None
Pond E	AW	T, S	WR, T, S	Received acid wastes; received water from WAO unit, Pond 14 and temporary PACT unit, overflow pipe from Ponds 15, 17 and 18	Overflowed to Pond J, connected to underground pipeline	Ponds 5 and J
Pond J	ALK	T, S	WR, T, S	Received overflow from Pond E	Overflowed to Pond 2, connected to underground pipeline	Pond E
Pond L	E	S	S	Received overflow from Pond D	Overflowed to Pad 4A	Pond 6
Pond M	O	S	S	Received oil wastes from Ponds B and C, received leachate from Pesticides/Solvents Landfill, received runoff from Pond T		Ponds C, B and L
Pond P	AW	WR	WR, T	Used to treat acid wastes, discharged to Ponds 23 and E, pumped to all other SI units, discharged to Pond 18	Sludge taken to Heavy Metals Landfill; some placed on ground between Ponds D and L	None

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Pond R	LR, LC	S	R, S	Received runoff from maintenance area	Discharged to Pad 9A and old Pond 7 (Pad 9B)	None - pond inactive
Pond S	O	S	S	Received oil wastes from Pond A; received runoff and reclaimed water from oil treatment area	Overflowed to Pond V	Pond A
Pond T	O	S	S	Used as sludge drying area for oil sludges (Received primarily drill cuttings per Canonie Closure Plan)		None
Pond V	O	S	S	Received overflow from Pond S	Drains to Pond 9	Pond S
WCCB		R, S	R, S	Received runoff from RCRA Landfill and West Canyon	Discharges to Pond A-5	
Pad 1A		Not used	Not used	Not used for waste management		NR
Pad 4A		E	E	Received water from Pond L and PCB Landfill	Overflowed to Pond 2	
Pad 7A		E	E	Received water from Pond 6, 10 and Acid Landfill	Culvert discharged to Pond 8	
Pad 8A		E	E	Received water from Pond 10	Overflowed to Pond 12	
Pad 8B		Not used	Not used	Not used for waste management		
Pad 8C		Not used	Not used	Not used for waste management		
Pad 9A		E, LR, LC	E	Received water from Ponds 6 and R and Pad 9B; received runoff from Pesticides/Solvents Landfill	Discharged to Pond 6	
Pad 9B		E, LR, LC	E	Received water from Pond 6; received runoff from Pesticides/Solvents and Heavy Metal/Sludge Landfills	Overflowed to Pad 9A	
Pad 10A		E, LR, LC	E	Received runoff from Pad 10E, and Heavy Metal and Caustic/Cyanide Landfills	Overflowed to Pond 19	
Pad 10B		E, LR, LC	E	Received runoff from Pad 10C	Overflowed to Pond 19	
Pad 10C		E, LR, LC	E	Received water from Pond 6	Overflowed to Pond 19	
Pad 10E		E, LR, LC	E	Received water from Pond 6	Overflowed to Pad 10A	
Pad 10F		E, LR, LC	E	Received water from Pad 10G	Overflowed to Pond 22	
Pad 10G		E, LR, LC	E	Received water from Ponds 6 and 22	Overflowed to Pad 10F	
Pad 18		E, LR, LC	E	Received water from Pond 18	Discharged to Pond 18	

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S1	ST					
S2	ST					
SP1	DM					
SP2	DM					
SP3	DM					
SP4	DM					
SP5	DM					
SP6	DM					

Source Documents:

- (1) Existing Surface Impoundments Closure and Post-Closure Plan (Canonie, 1989)
- (2) Existing Surface Impoundments: Design and Operating Information (Woodward Clyde, 1987a)
- (3) Environmental Impact Report (McClelland, 1989)
- (4) RCRA Facility Assessment (AT Kearney and SAIC, 1987)

Primary Use Legend:

R	Runoff	RS	Reserve
S	Storage	AW	Acid Waste
E	Evaporation	ALK	Alkaline Waste
A	Aeration	Alt ALK	Alternative Alkaline Waste
N	Neutralization Treatment	RCRA	RCRA cleanup liquids (Stringfellow Site)
WR	Waste Receipt	WAO	Wet Air Oxidation unit effluent
T	Treatment	W	Tanker Truck Washout
LR	Landfill Runoff	O	Oil Field Wastes
LC	Leachate Control	ST	Septic tank and restaurant grease trap sludge
		DM	Drilling mud and oil field wastes; also some winery wastes

Supplemental Pond Transfer Information based on photo reviews:

1974            Transfer from Ponds C and D (and possibly E) to Pond L  
 1978            Transfer from Pond P to Pond 14 and then to Pond 15  
 1981 and 1981 Transfer from Pond 16 to Pond D