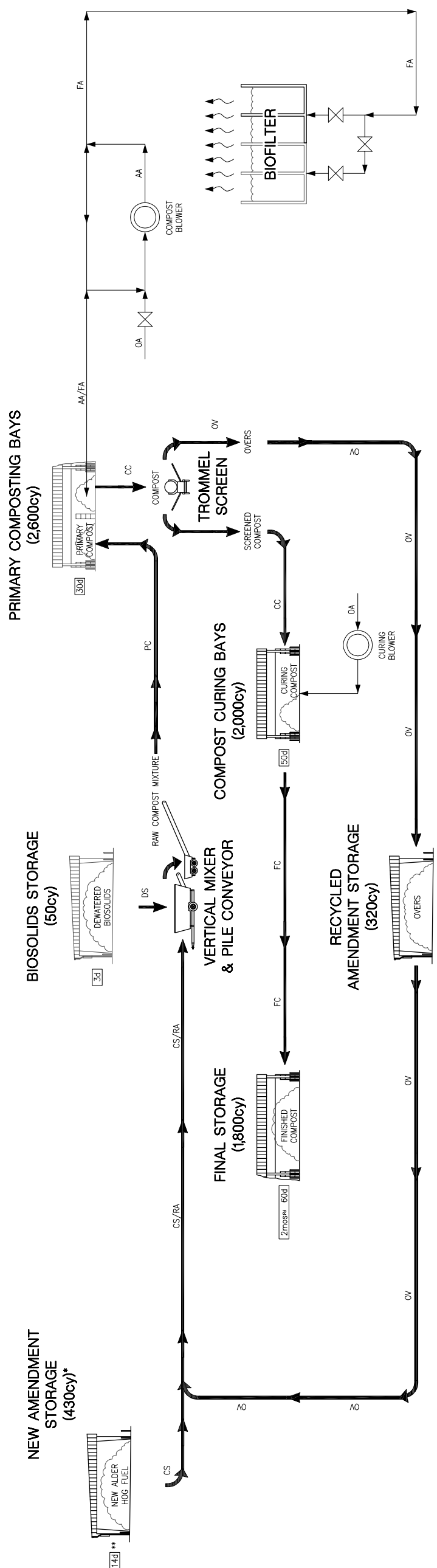


A B C D E F G H

**DESIGN CRITERIA**

ITEM	STARTUP	DESIGN	ITEM	VALUE	ITEM	VALUE	ITEM	VALUE	ITEM	VALUE
YEAR	2008	2025	PRIMARY COMPOSTING MICROCONEVOR	3	MOBILE	1	COMPOST CURING AERATION	1	FINISHED COMPOST	2
BCF DESIGN LOADING			LOCATION	60	CONTROL	1	TYPE	2	STORAGE	1,800
BIO SOLIDS LOAD (CY/D)			QUANTITY	640	DISCHARGE CONVEYOR TYPE	3	NUMBER (INCL. EXISTING)	2,000	VOLUME REQUIRED (CY)	6,400
AVERAGE	10.6	17.6	CONVERTER MOTOR TYPE	40	DISCHARGE HEIGHT (FEET)	16	HYDRAULIC	2,000	STORAGE HEIGHT (FT)	8
MAXIMUM	219.5	24.5	DISCHARGE MOTOR TYPE	40	DISCHARGE PRESSURE (IN.WC)	12	TWIN VERICAL AUGER	6	STORAGE WIDTH (FT)	20
			DISCHARGE ORIENTATION	40	CONTROL	53	HORIZONTAL	6	STORAGE LENGTH (FT)	32
			CONTROLS	40	THROUGHPUT (CY/HR)	53	REMOTE, FROM LOADER	1	STORAGE WIDTH (FT)	32
DEWATERING (WWTP SITE)			MIX RATIO (CY/CY SLUDGE)	4.0	MOTOR (HP, TOTAL)	120	FLOOR TRENCH	1	ODOR CONTROL	NO
METHOD			CARBON SOURCE	2.0	FUEL TYPE	6.5		1	BIOLOGICAL	
NUMBER OF UNITS	1	XX	MIX RATIO (CY/CY SLUDGE)	2.0	FUEL CAPACITY (GAL)	100		50	WOOD CHIPS	
SIZE (IN)	1.0	XX	VOLUME REQUIRED (CY)	480	FUEL TYPE	6.5		2,000	SEE COMPOST BLOWERS	
FLOWRATE (GPM)	8	XX	VOLUME REQUIRED (CY)	1920		6.5		5,440		
OPERATING DURATION (HRS/DAY)	860	XX	STORAGE HEIGHT (FT)	8		32		10	DESIGN H <sub>2</sub> S REDUCTION	98%
THROUGHPUT (PPH)	13	XX	STORAGE LENGTH (FT)	60		32		17	MEDIA DEPTH, FT	3.5
EFFLUENT SOLIDS CONC. (%)	16	XX	STORAGE WIDTH (FT)	32		32		32	STORAGE WIDTH (FT)	32
WWTP DESIGN LOADINGS (PPD)			OVERS					170	TOTAL MEDIA VOLUME (CY)	337
VSS (AVERAGE ANNUAL)	XX	3,640	MIX RATIO (CY/CY SLUDGE)	2.0				18		
TSS (AVERAGE ANNUAL)	XX	4,130	VOLUME REQUIRED (CY)	800				32		
TSS (MAXIMUM ANNUAL)	XX	6,670	STORAGE HEIGHT (FT)	100				5		
TSS (MAXIMUM MONTH)	XX		STORAGE LENGTH (FT)	80				12		
			STORAGE WIDTH (FT)	32				2		

**PROCESS FLOW DIAGRAM**



**LEGEND**

\*(#cy) = DESIGN STORAGE VOLUME (CUBIC YARDS)  
 \*\*## = DETENTION TIME (DAYS, OR MONTHS AS INDICATED)

**DRAFT SUBMITTAL**

**USE OF DOCUMENTS**  
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**SCHEMATIC PROCESS FLOW DIAGRAM AND DESIGN CRITERIA**

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**G5**  
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