

B. Facility Inventories

1. Animals

Table B-1

Animal	No. of Animals	Avg. Size	Animal Units
Gestation	3486	375	1307.25
Farrowing	585	400	234
Total Animal Units			1541.25

2. Buildings

Livestock Facility Capacity(s)

Table B-2

Facility	Facility Population	Total Square Feet	Storage Facility
Old Gestation	1656	35,728	Old Gestation Pit
Old Farrowing	273	18,600	Old Gestation Pit
New Gestation	1830	39,501	New Gestation Pit
New Farrowing	312	19,800	New Gestation Pit

3. Seasonal High Water Table

- See Site Soils & Geologic Information Table (A-1)

4. Livestock Waste Production

Livestock Waste Storages

Table B-3

Storage	Animals	Waste Produced (gal/day/animal)	Capacity (gal)	Storage Days
B/G Pits	4071	1.83	5,197,541	698

Please see following page for livestock waste volume calculations.

5. Rainfall Volumes & Evaporation from storage facilities

All storages are pits under building or covered lots or buildings, so no rainfall or evaporation is expected.

Waste Volume Calculations

Pinnacle Genetics

Per 1,000 lb Animal Unit

Type of animal	MWPS ft ³ /d Per Animal	MWPS ft ³ /d Per AU	MWPS gal/d Per Animal	MWPS gal/d Per AU	# of Animal Units	Total Waste Produced (ft ³ /day)	Total Waste Produced (gal/day)	Total Waste Produced (ft ³ /yr)	Total Waste Produced (gal/yr)
Gestating Sows	0.15	0.545	1.1	4.0	1307.25	712.45125	5229	260,045	1,908,585
Farrowing Sows	0.36	0.96	2.7	7.2	234 1541.25	224.64	1684.8	81,994 342,038	614,952 2,523,537
						Storage Gestation	Washwater 200,000	Total Waste (gal) 2,723,537.0 2,723,537	Gal/Animal/Day 1.83

Animal Unit Calculations

Pinnacle Genetics

Per 1,000 lb Animal Unit

Type of animal	Weight	# of Animals	LMFA AU	Total LMFA AU	Total 1000# AU
Gestating Sows	375	3486	0.4	1394.4	1307.25
Farrowing Sows	400	585 4071	0.4	234 1628.4	234 1541.25