

JEFFERSON COUNTY SOLID WASTE FACILITY

Current State Condition Assessment Report Card

2

Tonnage and Vehicle Flow Capacity

Design capacity is 50 tons per day; facility operated at over design capacity for 12 out of the last 17 years.

4

Emergency Storage, Buffer & Expandability Capacity

152.97 - acre property with: closed landfill and wastewater lagoon, leased gun range, wetland, and Port Townsend biosolids facility. Developable area is less than 15 acres.

2

Site Access

Difficult intersections, turning radii and single lane queuing along Jacob Miller and County Landfill Road. No trailer or recycling-only customer bypass lane on approach.

2

Scales and Scalehouse

Platform vehicle scale length is suboptimal at about 25 ft ; access via right-turn lane from tipping area to scale is very tight for vehicles with trailers; no bypass lanes on scales ; scalehouse is very small with no ADA compliant accessible features, restroom or parking stalls.

2

Recyclable Collection and Processing Areas

Many material recycling options; no ADA accessible options to the bins; inadequate mixed traffic of self-haul customers to bins and commercial vehicles to large recycling processing buildings; undersized collection and processing building.

3

Transfer Building and Operations

Pr-engineered 7,500 sf structure was rebuilt in 1994; tipping floor capacity relative to vehicular demand is adequate but suboptimal; No backup tipping capacity ; compaction tampering equipment is suboptimal.

3

Waste Loading Operations

Adequate - axle (tunnel) scales and trailer parking area. Cycle time from floor clearing, tampering and trailer- parking is about 20 minutes; time to achieve adequate payload of 26 tons per trip is not optimal.

3

Employee Facilities

Administrative office last modified in 2020; recycling building built in 1983 and close to end of life; adequate parking, break and lunch/meeting room, separate restrooms, and dedicated recyclable processing buildings with lunch and rest rooms are adequate.

2

Public Facilities

Visitors parking area not paved; with non-ADA compliant access to administrative building area; no standard public telephone or restrooms or public education and information area(s).

2

Queuing and Traffic Circulation

Customers can enter and exit recycling area freely; standing outside their vehicles and unloading have accident risk exposure ; unsafe cross-traffic between recycling only and refuse customers; queuing at tipping floor is suboptimal.

3

Transfer and Recycling Building Structure

Transfer building is in fair condition externally; it is crowded in the interior; tipping building clear height to bottom of roof structure is less than optimum; ventilation is adequate; administrative building is in good condition; scale house building is in fair condition; recycling building condition is not adequate.

3

Operating Equipment

Key operating equipment - Knuckle boom crane, tractors, recyclable processing, pit scale, drop boxes, and platform scale are in fair to good conditions.

2

Facility Management Cost

Operations and Maintenance costs increased by 44% from 2014 to 2022. Capital spending was variable and dependent on asset renewal. Comparison of O and M to replacement cost suggest that the facility is in overall fair condition.

3

Statutory Compliance Risk

Customers standing at tipping floor to dispose waste; operator vehicles are not separated from customer vehicles; recycling and stored goods are near roof trusses; age of buildings suggests electrical systems near end of life; open -sided transfer building allow noise to exit building.

4

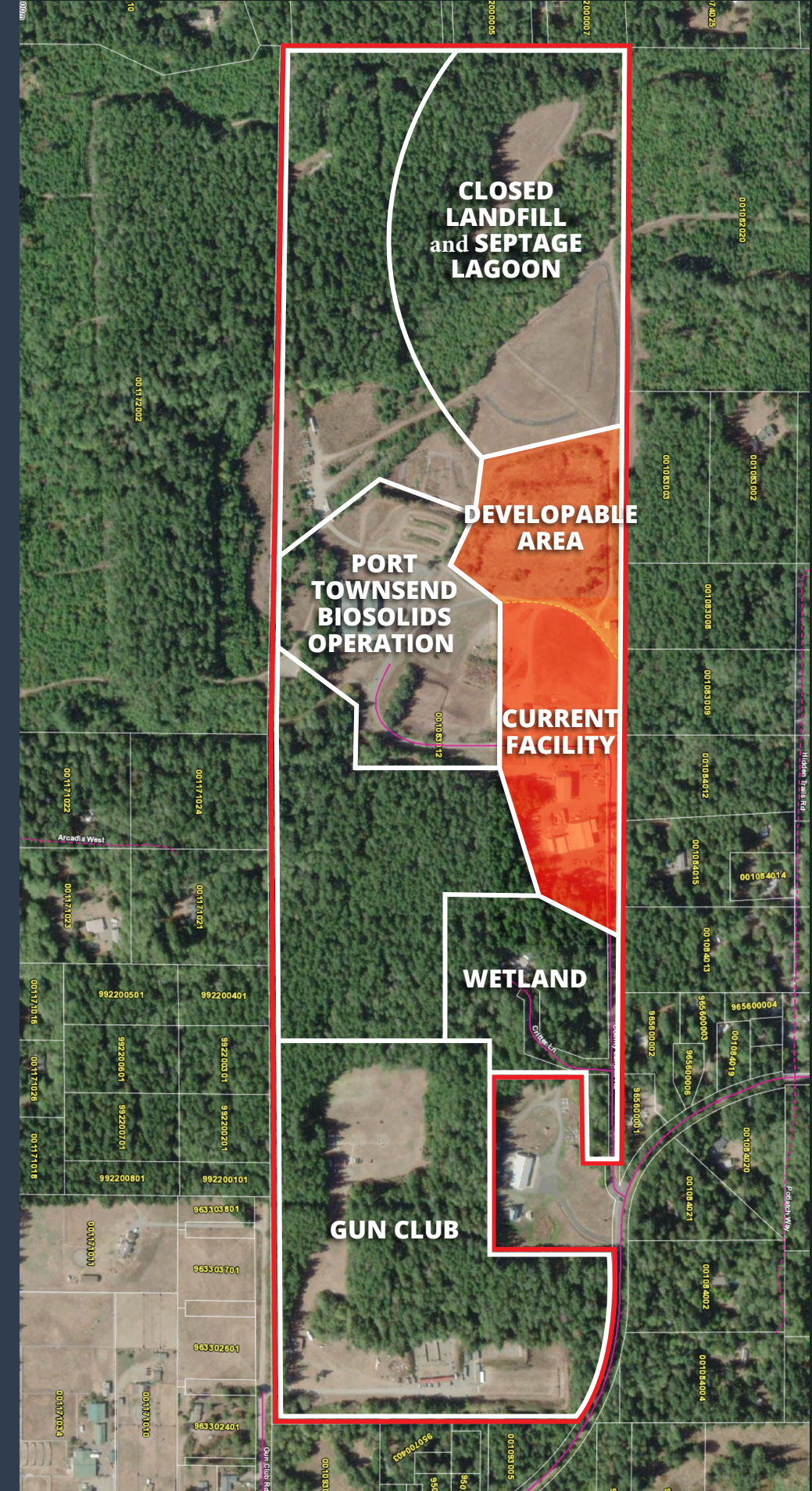
Facility Social Significance

The facility has significant influence on the community behavior as it relates to sustainable waste management and environmental stewardship; it is the main solid waste management facility in the county.

3

Impact of Facility on the Environment

Low risk of greenhouse gas emissions or groundwater pollution from the closed landfill as it's closed per regulatory standards; potentially high energy consuming equipment and building. Potential increase to carbon footprint due to lack of sustainable buildings on site.



Grade Scale

1

CRITICAL

2

INADEQUATE

3

FAIR

4

GOOD

5

EXCEPTIONAL



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