

Solid Waste Management Facility Siting

Solid Waste Advisory Committee (SWAC) Meeting

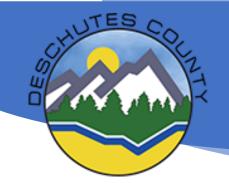
May 17, 2022











Agenda

- 1. Introductions
- 2. Review/ Approve Minutes
- 3. Discussion/ Recommendation on Criteria Screening
- 4. Communications Plan Update
- 5. Next Steps- Action Items
- 6. Wrap Up/ Adjourn

Phase 1 Schedule (current scope of work) Deschutes County Landfill Siting Study - Develop Short List of Sites								
ID	Task Name	Duration	Start	Finish	2022 Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Ma			
1	Finalize Criteria	45 days	Mon 12/6/21	Fri 2/4/22				
2	Refine Site Selection Process	155 days	Mon 12/6/21	Fri 7/8/22				
3	Implement Site Selection Process	175 days	Mon 4/4/22	Fri 12/2/22				
4	Facilitate Site Selection Process	330 days	Mon 12/6/21	Fri 3/31/23				
5	Provide Public Outreach	157 days	Mon 1/31/22	Fri 3/31/23				
6	Provide State and Local Entitlements Summary	155 days	Mon 12/6/21	Fri 3/31/23				
7	Document Process	158 days	Mon 1/3/22	Fri 3/31/23				
8	Project Management	330 days	Mon 12/6/21	Fri 3/31/23				



Non-Specific Conceptual Design Site Selection Criteria Development

Data Collection Potential Site Identification

Apply fatal flaw criteria via GIS data to identify potential areas where SWMF facility can be developed

identify potential sites and evaluate against the site selection criteria, based on available GIS and online Information. Select 15 top-scoring sites to proceed to Focused Area Screening.

Visit 15 sites selected and gather additional information with non-invasive studies. Evaluate against the site selection criteria, based on field studies, to select 3-5 top-scoring sites for Comparitive Site Afternative Evaluation.

Broad Area Screening

Phase 1 Focused Area Screening (current scope of work)

Comparative Site Alternative Evaluation/Environmental Review Process

Perform geotechnical, environmental, and cultural resources studies on the 3-5 sites. Confirm and summarize land use and entitiements process required for each site. Prepare permit approval strategy under environmental, land use, and solid waste regulations. Prepare conceptual site plans and preliminary cost estimates for comparison of each potential site.

Provide a decision matrix with weighted criteria and recommended SWMF site for consideration by SWAC and Board of County Commissioners.

Phase 2 (future scope of work)

Preferred Site Alternative Selection



Revised Cultural Resources Criteria

Scoring	Criteria Categories				
Known Cultural Resource categories within Site or within 500 feet of Site					
5	No known cultural resources.				
4	Above ground/ Standing Structures within Site				
2	Archaeological Sites				
1	Other Properties of Tribal Importance				
Potential f	or Buried Archaeological Sites within Site or within 500 feet of Site				
5	The site and the surrounding 500 feet contain only areas with low probability to encounter buried archaeological sites.				
3	The site contains low probability, but the surrounding 500 feet contain areas with moderate probability to encounter buried archaeological sites.				
1	The site and the surrounding 500 feet contain areas with moderate or high probability to encounter buried archaeological sites.				



Criteria Weighting

- Three levels of weighting
- New criteria table shows the actual percent weighting out of 100% for each criterion.
- Provides a better understanding of the overall impact of each criterion.

Criteria	Level I Weight	Level II Weight	Level III Weight	Overall Weight (Out of 100%)
Site Characteristics/Engineering				35%
Site Availability/Acquisition Potential				14.00%
Ownership			40%	5.60%
Number of Parcels		40%	20%	2.80%
Total Site Acreage			40%	5.60%
Geotechnical Location Factors				3.50%
Fault Hazards			15%	0.53%
Seismic Impact Zones/Hazards		10%	20%	0.70%
Unstable Areas – Mass Movement			25%	0.88%
Unstable Areas – Poor Foundation			40%	1.40%
Floodplains		5%		1.75%
Groundwater Protection/Hydrogeology				7.00%
Depth to Groundwater	<u>35%</u>		25%	1.75%
Proximity to Drinking Water Wells		20%	30%	2.10%
Proximity to Wellhead Protection Areas			15%	1.05%
Site Hydrogeologic Framework			30%	2.10%
Development				5.25%
Soils			45%	2.36%
Topography		15%	30%	1.58%
Distance from Arterials			10%	0.53%
Capacity/Site Configuration			15%	0.79%
Operation				3.50%
Haul Distance to Waste Centroid		4007	50%	1.75%
Annual Precipitation		10%	25%	0.88%
Onsite Water Supply and Management			25%	0.88%

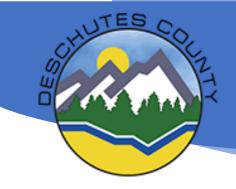
Criteria	Level I Weight	Level II Weight	Level III Weight	Overall Weight (Out of 100%)	
Natural Environments				35%	
Wetlands and Waters				3.50%	
Wetlands and Waters Impacts		10%	50%		1.75%
Potential for On-Site Wetlands and Waters Mitigation			50%		1.75%
Threatened and Endangered Species	<u>35%</u>	20%		7.00%	
Wildlife Area Combining Zone	<u>557.0</u>	10%		3.50%	
Greater Sage-Grouse Area Combining Zone		40%		14.00%	
Sensitive Bird and Mammal Habitat Combining Zone and Migratory Birds				7.00%	
Migratory Birds, Including Bald and Golden Eagles		20%	50%		3.50%
Sensitive Bird and Mammal Habitat Combining Zone			50%		3.50%

Criteria	Level I Weight	Level II Weight	Level III Weight	Overall Weight (Out of 100%)
Land Use				30%
Proximity to Airports		15%		4.50%
Site Zoning		20%		6.00%
Adjacent Land Use Impacts				6.00%
Existing Adjacent Use			25%	1.50%
Planned Adjacent Use		20%	25%	1.50%
Distance to Nearest Residence			25%	1.50%
Distance to Nearest Public Road			25%	1.50%
Site Visibility/Aesthetic Impact	<u>30%</u>			3.00%
Visibility Based on Topography and/or Vegetation		10%	50%	1.50%
Remoteness			50%	1.50%
Transportation System Needs/Opportunity		5%		1.50%
Haul Route Impacts	5%			1.50%
On-Site Land Use Impacts				7.50%
Displacement		25%	40%	3.00%
Known Cultural Resources		23%	30%	2.25%
Potential for Buried Archaeological Sites			30%	2.25%



Stakeholder Interview Summary

- 12 people interviewed
- Common themes:
 - Preferred site should be close to towns- but not too close
 - Wildlife, flora, wetlands, waterways, sensitive landscapes and marginalized populations should be considered in siting and in haul road impacts
 - Wind, climate, precipitation are all important factors to consider, as is groundwater and potential for groundwater pollution



Outreach Ideas

- Interviewees recommended a variety of outreach techniques:
 - Project Website, e-news, utility bill inserts, social media, and TV/ radio all were mentioned
 - Targeted presentations to existing scheduled groups: City Club, Chamber meetings, Rotaries, environmental organization regular meetings, BOC work session updates
 - Work to engage with environmental, social justice groups early
 - Once sites are narrowed, really focus on the impacted people
 - Much of the outreach strategy will be dictated by the site- if not near population center, are there user groups, environmental interests, etc. that will be interested?
 - Good neighbor plan essential if near people



What's next?

- Update project website, create FAQs, project fact sheets
- Determine when project Open House takes place (online)
- Target outreach to the process of the site selection
- Develop a toolkit- presentations, materials, etc.