

Written Comment #1

REDICK Daniel

From: N Whitcombe [REDACTED]
Sent: Wednesday, March 23, 2022 5:24 PM
To: REDICK Daniel
Subject: Fwd: Here is a great report that Marion County prepared

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi, Daniel,

Could you forward a link to this report to the SWAC this evening? My comment is going to be very short, just a suggestion that the members review this and consider, at their next meeting, putting on the agenda a vote to ask the BoC for funding to produce a document that will give everybody some solid data about what Benton County's options are as we go forward?

Thank you very much,

Nancy Whitcombe

----- Forwarded message -----

From: N Whitcombe [REDACTED]
Date: Thu, Feb 24, 2022 at 9:20 AM
Subject: Here is a great report that Marion County prepared
To: NICHOLS Darren [REDACTED]

<https://www.co.marion.or.us/PW/ES/Documents/GBB%20Report.pdf>

--
N J Whitcombe

--
N J Whitcombe

Written Comment #2

March 9, 2022

M. Linda Ray
Administrative Specialist
Benton County Planning Commission
350 SW Avery Ave.
Corvallis, OR 97321

Via Email: comdevinfo@co.benton.or.us

Subject: – Alternative Landfill Use – Rail Access

As a viable alternative that will compliment Benton County solid waste management plan and assist with Coffin Butte landfill's disposal parameters are the use of rail containers for municipal solid waste (MSW) shipments to other accredited landfill sites.

The rail containers using railroad's intermodal railcars provide an economical way to transfer MSW by train from the Mid-Willamette Valley to Oregon Department of Environmental Quality's approved regional landfills east of the Cascades.

Union Pacific Railroad can deliver manifest unit trains of MSW directly into the Columbia Ridge Regional Landfill near Arlington, Oregon.

Columbia Ridge is a modern Subtitle D landfill that accepts primarily municipal solid waste (MSW or household waste) as well as industrial and special wastes.

Columbia Ridge was opened in 1990 and has a life remaining of 143 years. Its current permitted footprint is 700 acres. The facility's acreage is 12,000 acres. It has a bio-buffer of 10,000 acres.

Columbia Ridge Regional Landfill does not stand alone as the only regional landfill that has intermodal train service. The Roosevelt Regional Landfill in Roosevelt, WA is served by Burlington Northern – Santa Fe Railroad and Finley Buttes Regional Landfill near Boardman OR is also served by Union Pacific Railroad, although at Finley the railroad does not go directly into the Landfill site and MSW must be road drayed into the landfill.

Union Pacific Railroad is also the rail carrier for the City of Seattle's MSW train that is handled by waybill tariff rates into Columbia Ridge Regional Landfill.

Rail freight is undoubtedly more environmentally efficient than over-the-road transportation. According to the Association of American Railroads, trains are up to four times more fuel efficient than trucks. Not only do they consume less fuel, but they also reduce the strain of traffic on roadways by using an alternative over-the-rail transportation of goods, and they also have less air pollution emissions, when compared to over-the-road transportation.

As such, a centralized transfer station at Coffin Butte may be the first option for portions of the collected MSW to be transloaded and compressed into rail containers for forwarding and transloading onto railcars at an intermodal transfer facility.

This option provides both Benton County and Coffin Butte an optimum way to balance the current adverse growth impacts at the landfill while still maintaining a curbside pick-up service that is beneficial and economical for the members of the community.

The transfer station and intermodal service can also be in step with Coffin Butte's both short-range objectives for material handling management logistics and long-range budgeting and planning needs for Benton County's material handling of municipal solid waste disposal now with another alternative landfill access route.

Albany-Millersburg Economic Development (AMEDC), a 401(c) 4 benefit corporation, owns the 60-acre site in Millersburg Oregon that received a connect Oregon grant for the development of an intermodal transportation facility. Linn Economic Development Group (LEDG), a 401(c)4 benefit corporation, is an affiliate of AMEDC and its agent for project management of the intermodal facility.

R&a Engineering in Albany designed and implemented construction of the Mid-Willamette Valley Intermodal Facility (MVIC) in Millersburg, OR for LEDG and its contractor operator. The MVIC receives notice of service through Reece & Associates Engineering at 321 1st Ave E. Suite 39, Albany OR 97321.

ITS-Conglobal (ITSC) is the contractor operator for the MVIC.

ITSC employs nearly 4,000 people and handles more than 8.5 million lifts each year at more than 120 facilities across the U.S., Mexico, and Costa Rica. Safety is of the utmost importance, and it is continually stressed at all levels of the organization. Most customers have been with the company for decades. Our superior and reliable service, our broad and evolving scope of services and our exemplary safety record have helped us position ourselves as leaders in the industry.

ITSC have longstanding relationships with nearly every major North American railroad, including BNSF, CN, CSX, KCS, NS, and UP.

Union Pacific Railroad will be the carrier serving the MVIC facility.

A manifest MSW train generally handles a maximum of 100 double stack railcars.

Each double stack railcar handles 2 each 40- foot rail containers.

Each container handles 28 tons or 5,600 tons of MSW per 100 railcar train.

Annualized at a rate of 1 train per week for 52 weeks would be 291,200 tons of MSW that may be transported to Columbia Ridge Regional Landfill.

The current annual projected rate of disposal for MSW at Coffin Butte is 1.1 million tons.

Projecting a transfer of 50 per cent of the MSW to Columbia Ridge Facility to reduce to an optimum tonnage for Coffin Butte operations coinciding with aggregate quarry operations for timely cell development, will transport 550,000 annual tons with 2 trains weekly.

Comparatively, 19,643 trucks would be needed annually to move the same payload of MSW that only takes 104 trains to do.

Although, the initial concept looks at a transfer station being centralized at Coffin Butte, another concept of a more decentralized transfer station nearer to the MVIC facility site in an existing industrial zoned setting may be better suited for improved traffic plans for collection and transferring of MSW from Benton County, neighboring counties, and distant counties with their respective franchise haulers.

In this way, other counties and municipalities can work in conjunction with their own solid waste streams for collection and transfer of their MSW to the decentralized transfer station for handling to rail, thereby lessening the stressed growth impacts at Coffin Butte and on Benton County's roadway infrastructure with the centralized option.

Also, with existing legacy equipment used currently by franchise haulers such as shuffling van floors for handling of MSW from their county venues, the legacy equipment can be readily used at a transfer station equipped with tipping floor, intake chutes, and hydraulic ram compressing systems for transloading MSW into rail containers.

With this convention, the maximum payload can be maintained consistently for shipping of the MSD to destination by rail and bill of lading records are electronically processed for the receipt and transfer of goods.

With the above transfer station system, MSW does not stay resident on the tipping floor, but it moves at a rate of 120 tons per hour to feed, load, and transport the containers to the intermodal ramp for loading onto railcars.

In other words, a 5600-ton MSW train would be loaded in 6 days rounded, but another service lane with another hydraulic loading ram would meet the shipments of 2 trains bi-weekly for transporting the required 550,000 tons annually.

This dual approach use of landfills provides a better service life and manageable disposal quantities for Coffin Butte which then best serves the community and curbside rate payers concerns, as well as the primary need for quarry operations to stay ahead of the disposal operations in order to excavate a quality aggregate for community construction projects.

A proposed transfer station will need to be permitted thru Oregon DEQ application process. Within these parameters, a knowledge operator to manage and operate the proposed MSD transfer station is required.

Also, there will be a range of questions that may be addressed with further development of a transfer station:

1. This may include, with a new transfer station in which county the transfer station becomes resident, is it thereby enjoined automatically into the franchise agreement that was awarded to the current franchise hauler?

2. Is it reasonable an inter-government agreement be considered for Benton, Lincoln, Polk, Marion, and Lane Counties participation in advancing a regional transfer station for intermodal services by rail?
3. In regard to Benton County Ordinance No 23.020, would a Regional Solid Waste Advisory Council or Committee in cooperation with cities counties be able to fast track a transfer station to assist with the need to balance the deposal parameters with Coffin Butte and Columbia Ridge Landfills?

23.020 Solid Waste Advisory Council Established. The Board shall create a County Solid Waste Advisory Council in accordance with Benton County Code sections 23.025 through 23.035 and may create a Regional Solid Waste Advisory Council or Committee in cooperation with cities and other counties. [Ord. 1, adopted March 31, 1971; Ord. 23, adopted December 17, 1980; Ord. 85-0023; Ord. 86-035; Ord. 2003-0183]

Since Republic Services is the current franchise hauler for Benton and Linn Counties as well as the Cities of Albany and Millersburg, this then votes confidence with a more in-depth approach with Coffin Butte current landfill cell life projections being balanced in tandem with an alternative access route via rail for MSW deposal at Columbia Ridge.

With the formation of a Regional Solid Waste Council, as new improved green technologies unfold for MSW stream conversion to other useful products, the consideration of a new transfer station within the burgeoning MVIC industrial center in Millersburg can be pivotal meeting Benton Counties and other participating Counties and municipalities in the Willamette Valley and coastal areas for their logistical material handling management needs with public-private partnerships.

The main purpose of this letter is providing options for consideration by Benton County, community members, and neighboring counties and municipalities to exercise good judgement in the need of an alternative landfill use that complements Coffin Butte needed goals of reducing disposal parameters that provide optimum quarry time for extracting a valuable aggregate that is needed in maintenance and construction of infrastructure.

Pursuant to Oregon DEQ, if a landfill's disposal is less than 75,000 annual tons, then it appears the landfill may convert to a county only facility, which may provide a best sunset service life plan while additional maintenance is needed for landfill infrastructure stability using the proceeds from the proposed 75,000 tons reduction.

Conversely any reduction or increase of MSW tonnage in one landfill facility will net effect the other landfill facility.

In retrospect, it would require 4 trains weekly to rail transfer the current MSW tonnage of 1.1 million.

Likewise, it would require 39,286 trucks to dray the same quantity.

Please find also attached a (pre-covid era) spreadsheet reflecting contingent numbers for 50% transfer of the SMW deposal rates and soft numbers for rail containers and transfer station equipment costs for that hopefully can be used as a baseline for further discussion.

In closing, please feel free to contact me for any additional information you may need for consideration of using intermodal for transportation of MSW. I know there are many good associates that have in-depth knowledge to assist with your material handling design and implementation to production.

Sincerely,

Charles R. Gilbert
Community Member
2690 NW Squire Street
Albany Or 97321

crgilbert@comcast.net

APPENDIX 1

3/28/2022

A. Proposal Transfer Station at Coffin Butte for loading rail containers

If a proposed transfer station is first built at Coffin Butte here are a few items for consideration:

1. Rail Containers on highway chassis can be first loaded at Coffin Butte and staged on site for best traffic highway times to be forwarded to MVIC at Millersburg, OR.
2. In this way a dray can drop the load at the MVIC and return with an empty container on a chassis. The cycle then repeats itself until all loads for the day are transferred.
3. Since infrastructure such as highway traffic scales, electrical services, telephone services, and networking services and roadways exits at the site, then a holistic planning approach can be considered for any other recycled or resourced steams needing international or domestic shipments via rail containers.
4. In the event of an interruption of services at either the Coffin Butte Landfill or a regional landfill site chosen, then cargo from the interrupted site can be shifted to the other site until the momentarily interruption is corrected.
5. Should this transfer station model be adopted, then like models can be considered by a regional solid waste advisory committee for possible construction at other neighboring counties, if economically feasible.

Written Comment #3

REDICK Daniel

From: Joel Geier [REDACTED]
Sent: Friday, April 8, 2022 6:17 PM
To: REDICK Daniel
Subject: Re: Sustainable Materials Management Plan (SMMP) - Process Update

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

P.S. Could you please share this information with other SWAC members to keep them informed?

From: [REDACTED]
To: "REDICK Daniel" <daniel.redick@Co.Benton.OR.US>
Cc: "Darren Nichols" [REDACTED]
Sent: Friday, April 8, 2022 6:10:21 PM
Subject: Re: Sustainable Materials Management Plan (SMMP) - Process Update

Hi Daniel,

Great to hear that Darren will be explaining all of this at our next DSAC and SWAC meetings on 4/27.

As a procedural thing, I'd suggest bringing this forward to the DSAC meeting since it seems that the main point of this "consensus-seeking" process is a disposal-site issue, though it seems that the consequences are also bleeding over into SWAC issues.

But in any case, and since all of the SWAC members are also on DSAC, and I guess I'm not the only one who is curious to hear about how this impacts our work, it seems best to bring this up early in the evening.

All the best,
Joel

From: "REDICK Daniel" <daniel.redick@Co.Benton.OR.US>
To: [REDACTED]
Cc: "Darren Nichols" [REDACTED]
Sent: Friday, April 8, 2022 4:30:44 PM
Subject: RE: Sustainable Materials Management Plan (SMMP) - Process Update

Hi Joel,

Thank you for your comments and questions on this. Here are my responses:

- 1) Darren Nichols was invited and has agreed to attend the 4/27 SWAC meeting to explain and answer questions about the consensus-seeking process. I think that the information Darren shares will likely clarify the upcoming process for the group, and provide more detailed answers to each of your questions.
- 2) Yes, the SMMP stakeholder group meetings are also going to be rescheduled once we have guidance and direction from the consensus-seeking process.

- 3) SWAC and DSAC will still have the important roles of providing community feedback. We anticipate that consensus-seeking process will provide important additional context for SWAC/DSAC to provide feedback on planning.

In general, I think the information shared during the meeting on 4/27 will provide answers to most of the group's questions about the process.

Best,

Daniel Redick (He/Him/His)

Solid Waste and Water Quality Program Coordinator
Benton County Community Development Dept.
Phone: 541-766-6819
Location: 360 SW Avery Ave. | Corvallis, OR 97333

From: Joel Geier [REDACTED]
Sent: Thursday, April 7, 2022 4:43 PM
To: REDICK Daniel <daniel.redick@Co.Benton.OR.US>
Cc: NICHOLS Darren [REDACTED]
Subject: Re: Sustainable Materials Management Plan (SMMP) - Process Update

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

P.S. Apologies for a glitch in my question #2, that should read: "Last month, I seem to recall, you indicated ..."

From: [REDACTED]
To: "REDICK Daniel" <daniel.redick@Co.Benton.OR.US>
Cc: "Darren Nichols" [REDACTED]
Sent: Thursday, April 7, 2022 4:40:52 PM
Subject: Re: Sustainable Materials Management Plan (SMMP) - Process Update

Hi Daniel,

Several things here:

(1) Last month we asked about the plans for a "community-based" approach and how SWAC and DSAC would be included in that. I thought it was agreed that Darren Nichols would explain the plan and discuss this with us at our April SWAC/DSAC meetings. But from what you write here, it seems that the plan is for this "consensus-building" approach to proceed separately from SWAC/DSAC.

(2) Last month, I seem to recall, that indicated that SWAC's earlier feedback on the SMMP was already coming too late to be incorporated in a second draft, prior to a presentation of the SMMP to "stakeholders" (commercial/institutional groups etc.) in May. Will that stakeholder presentation also be postponed until after the "initial assessment" by Oregon Consensus?

(3) More generally, what do you see as the role of SWAC and DSAC, if not to be a part of that process? It seems odd that Benton County has these two groups set up, mandated by state & county statutes, to give community members a voice in solid-waste management and disposal-site planning and decisions. But now the county appears to be setting up a separate process that bypasses these

groups, and even telling us to "hold off" on a role that, just last month, you were asking us to fulfill.

I'd appreciate if you could provide clarification, and please share with other SWAC members. I've cc:d Darren Nichols here as I think it would be appropriate for him to explain to us directly. I do hope that we'll have a chance to discuss these issues with Darren on April 27th, if not sooner.

Thanks,
Joel

From: "REDICK Daniel" <daniel.redick@Co.Benton.OR.US>
To: "REDICK Daniel" <daniel.redick@Co.Benton.OR.US>
Sent: Thursday, April 7, 2022 4:04:02 PM
Subject: Sustainable Materials Management Plan (SMMP) - Process Update

Hi SWAC,

Thank you for your continued interest in providing feedback about the Sustainable Materials Management Plan (SMMP). This is an important process for our community and we are committed to understanding the perspectives of community members.

The Board of Commissioners and the County Administrator have asked Benton County staff and the team at [Oregon Consensus](#) to explore whether and how a third-party facilitator can help convene key perspectives, identify areas of agreement and disagreement, and outline potential paths forward around solid waste, sustainable materials and disposal. We are committed to finding successful long term solutions and we believe that a facilitated consensus-seeking process will help us find a constructive path forward.

We anticipate the consensus-seeking process will help inform next steps for sustainable materials management and additional planning needs. To give Oregon Consensus opportunity to complete an initial assessment, the Community Development Department Director, Darren Nichols, has asked that SWAC's opportunity to provide feedback on the Sustainable Materials Management Plan (SMMP) be rescheduled once we have guidance and direction from the consensus-seeking process. We hope that rescheduling SWAC's feedback will provide the council with important additional context for its work. We will reach out again as we have more information on the assessment process and opportunities to provide feedback.

Respectfully,

Daniel Redick *(He/Him/His)*
Solid Waste and Water Quality Program Coordinator
Benton County Community Development Dept.
Phone: 541-766-6819
Location: 360 SW Avery Ave. | Corvallis, OR 97333

Benton County Community Development – COVID Protocol Effective March 14, 2022

General services and inquiries are available by email and phone from 8:30 AM to 4:30 PM.

Remote meetings and in-person services are available by appointment from 9:00 AM to 1:00 PM.

Our website answers many questions and provides a guide for submitting land use applications and building permits.

Please click, write or call for more information.

- Website <https://www.co.benton.or.us/cd>
- Planning email comdevinfo@co.benton.or.us
- Building email permitcheck@co.benton.or.us
- Phone 541-766-6819

For local COVID-19 information, please see the Benton County website: <https://www.co.benton.or.us/covid19>

Written Comment #4

REDICK Daniel

From: Joel Geier [REDACTED]
Sent: Monday, April 18, 2022 7:24 PM
To: REDICK Daniel
Cc: NICHOLS Darren
Subject: Re: waste management inquiries

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Daniel,

I received this indirectly but it seems to be really important information to share with current SWAC members, in order for us to understand what work previous SWAC members have tried to do in this direction.

Could you please circulate this information about the Materials Management Subcommittee to all current SWAC members, including the two incoming members who should be joining us in our next meeting? I see some really interesting findings here, as well as indications of a serious effort to reach out to other groups within the community who are concerned about solid waste.

Thanks,
Joel

From: "REDICK Daniel" <daniel.redick@Co.Benton.OR.US>
To: [REDACTED]
Cc: "Linda Ray" <Linda.Ray@Co.Benton.OR.US>
Sent: Wednesday, August 4, 2021 12:18:25 PM
Subject: RE: waste management inquiries

Hi [REDACTED],

The Benton County Solid Waste and Sustainable Materials Management Plan has not yet been published, and is still in early stages of the development process. Benton County staff have been working on getting feedback from the Solid Waste Advisory Council (SWAC) during the development phase of this plan. I have attached a draft of a document listing some the goals and strategies that have been proposed, as well as a presentation SWAC received with a drafted general outline of the plan.

The 'Materials Management Subcommittee' was not a formal SWAC subcommittee, but rather an informal working group comprising of some SWAC members, as well as other interested community members and stakeholders that are not on SWAC. This group was not formally convened, appointed, or charged with a tasks or responsibilities by SWAC. This group worked on developing ideas for waste prevention, and presented those ideas to SWAC for their consideration. I have attached a presentation this group provided to SWAC outlining their recommendations. I have also attached a more detailed document outlining the group's recommendations.

Please let me know if you have any questions.

Best,

Daniel Redick

Solid Waste and Water Quality Coordinator
Benton County Community Development Dept.
Phone: 541-766-6819
Location: 360 SW Avery Ave. | Corvallis, OR 97333

COVID Protocol, Effective July 1, 2021: In-person services are still by appointment only.

For Building Division submittals we are available for in-person submittals, by appointment only.

The Avery Facility lobby is open but Community Development cannot accommodate drop-in customers at this time. We are still available by appointment, email and phone. Our website can answer many of your questions and guide you through the process of submitting land use applications and building permits.

Website: <https://www.co.benton.or.us/cd>

Email: comdevinfo@co.benton.or.us

Phone: 541-766-6819

From: RAY Linda <Linda.Ray@Co.Benton.OR.US>
Sent: Wednesday, August 4, 2021 10:00 AM
To: [REDACTED]
Cc: REDICK Daniel <daniel.redick@Co.Benton.OR.US>
Subject: RE: waste management inquiries

Hi [REDACTED],

I am copying Daniel Redick, our Solid Waste & Water Quality Coordinator on this reply. I believe he has access to the information you need.

-Linda

Linda Ray

Administrative Specialist
Benton County Community Development Dept.
Phone: 541-766-6819
Location: 360 SW Avery Ave. | Corvallis, OR 97333

COVID Protocol, July 2021: In-Person services are by appointment only.

While our office is closed to drop-ins, we are still available by email and phone. Our website can answer many of your questions and guide you through the process of submitting land use applications and building permits.

Website: <https://www.co.benton.or.us/cd>

Email: comdevinfo@co.benton.or.us


Phone: 541-766-6819

From: [REDACTED]
Sent: Wednesday, August 4, 2021 9:15 AM
To: RAY Linda <Linda.Ray@Co.Benton.OR.US>
Subject: waste management inquiries

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Linda, Is the 'Solid Wast and Sustainable materials Mg Plan' stored the benton county website? If not, could I get a pdf copy? Thanks.

Where are meeting minutes fro the 'Materials Management Subcommittee'?

I have asked the BCwebpage look up button and failed to find this subcommittee. Thanks, 

Choose to be safer online.

Opt-in to Cyber Safety with NortonLifeLock.

Plans starting as low as \$6.95 per month.*

[NetZero.com/NortonLifeLock](https://www.netzero.com/nortonlifelock)

Written Comment #5

April 19, 2022

Daniel Redick
Solid Waste and Water Quality Program Coordinator
Benton County Community Development Department
360 SW Avery Ave.
Corvallis, OR 97338

Subject: DSAC - Memorandum of Landfill Capacity – Excerpts from the Coffin Butte Landfill and Pacific Region Compost Annual Report – Year 2020

Pursuant to Republic's Coffin Butte Landfill and Pacific Compost Annual Report for Year 2020, reference excerpts from the report listed below, where "Coffin Butte has permitted airspace of 38,443,830 cubic yards (including consumed)".

"The remaining capacity for the entire permitted landfill footprint as of the end of 2020 was approximately 17,621,208 cubic yards".

"This information is updated annually with aerial flyovers. Using 0.80 tons/cy, the remaining available landfill space expressed in tons is about 14,096,966 tons".

As depicted in Figure 1. and captioned as "Aerial Photo of Coffin Butte Landfill", the photogrammetric map legend reflects the approximate property, land zoning, and cell boundaries of the landfill site.

The date of the photograph is year 2018 and zooming in on some of the features and text that were overlaid in the report become blurred especially for identifying the cell numbers and locations.

In order to plan and assist with Coffin Butte landfill's disposal parameters that aids optimum quarry time for extracting valuable rock material for developing remaining disposal cells, a photogrammetric map may be considered for baseline use by evaluating landfill capacity ending with year 2021, if available.

It may further merit evaluation of the relationships between the vertical and horizontal datums of the permitted airspace, the proposed finished grade of quarry cells being excavated, the topography elevation contours before and after construction, if available.

Ultimately, a coordinated effort with the landfill is needed for integration into a materials management approach serving the community by converting waste streams into resource streams thereby using and reusing valuable material resources into goods and products that both serve the consumers of the community and their environment which they prosper within.

Thank you for your time in reviewing this memorandum and the possibility of further discussion with DSAC.

Charles Gilbert
2690 NW Squire Albany OR 97321

COFFIN BUTTE LANDFILL &
PACIFIC REGION COMPOST

Annual Report

2020

Excerpts

LANDFILL CAPACITY

Coffin Butte Landfill has permitted airspace of 38,443,830 cubic yards (including consumed). During 2020 the landfill accepted 863,210 tons of solid waste. Based on historical aerial fly-over data, the average effective density of the in-place waste at the Coffin Butte Landfill is 1.0 tons/cy (2,008 lbs/cy – 2018 Operational Density). Therefore, an estimated 863,210 cubic yards of airspace was used for the year. A total of 20,455,706 cubic yards has been consumed as of December 31, 2020.

The remaining capacity for the entire permitted landfill footprint as of the end of 2020 was approximately 17,621,208 cubic yards. This information is updated annually with aerial flyovers. Using 0.80 tons/cy, the remaining available landfill space expressed in tons is about 14,096,966 tons. Using an average disposal rate of approximately 750,000 tons per year, there are about 18.80 years of landfill space available. If we use our three-year density average of 0.93 tons/cy, the site life extends to 21.85 years. This illustrates the importance of density on the landfill site life.

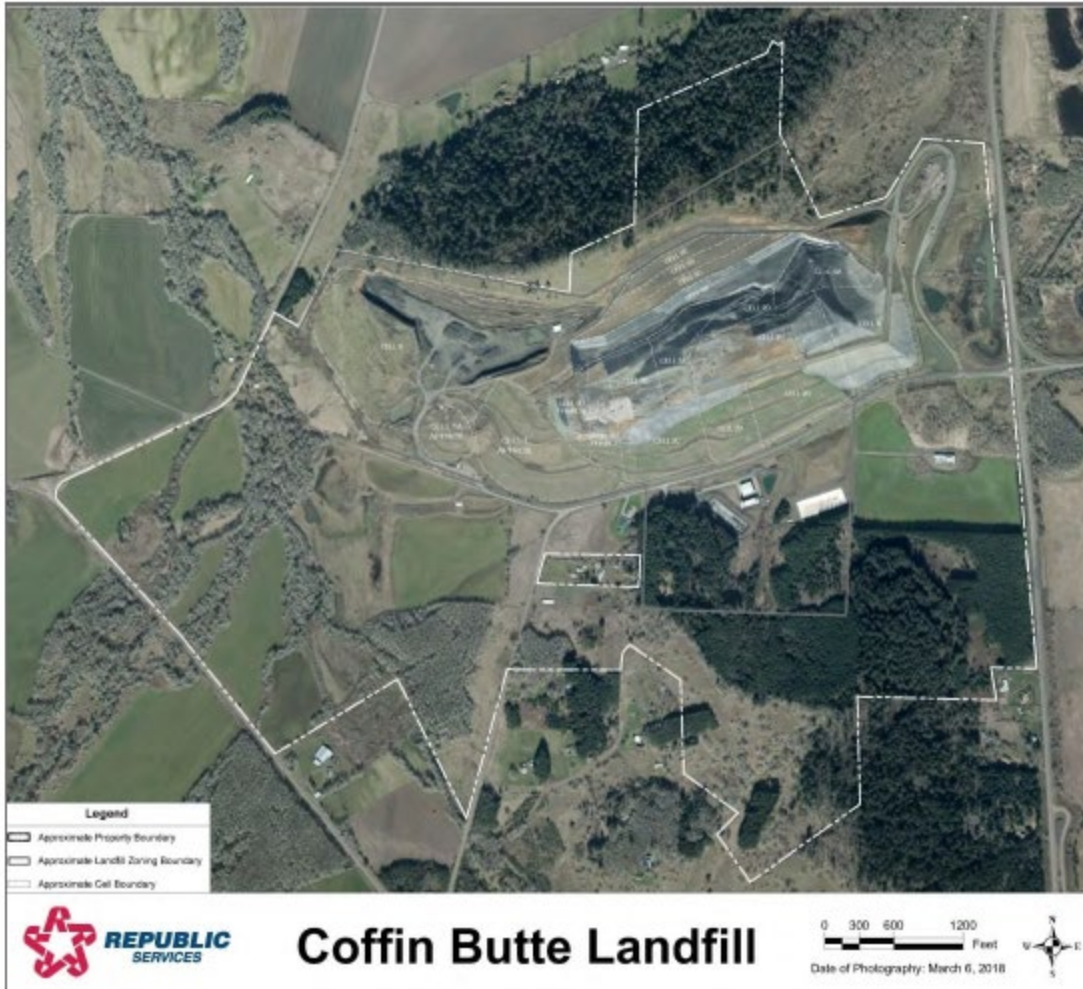


Figure 1. Aerial photo of Coffin Butte Landfill.

1 Effective density incorporates the effects of daily and intermediate soil cover usage. It is calculated by measuring the amount of airspace occupied between successive aerial flyovers using photogrammetric maps, and dividing that volume into the number of tons of waste received at the gate.

Written Comment #6

REDICK Daniel

From: Ken Eklund [REDACTED]
Sent: Tuesday, April 19, 2022 4:05 PM
To: REDICK Daniel
Subject: Next-meeting bulletin for fellow SWAC members
Attachments: SWAC-DSAC Agenda April.pdf

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Daniel: please forward the below to the other SWAC members. Thanks! – Ken

Hello everyone,

First, please welcome two new members to our board: Charles (Chuck) Gilbert and Mark Yeager. Chuck is the author of the written testimony about using rail to transport garbage to alternate landfills, and an accompanying spreadsheet, which we received from Daniel via email on March 21. Welcome aboard, Mark and Chuck!

I've attached the agenda I developed for our upcoming regular combined session (DSAC + SWAC) on April 27... it looks to be a long one, alas, so be warned about that. Calling your attention to our time with Darren Nichols, the new Director of Community Development, who can tell us more / the latest about the upcoming public engagement program that Community Development is proposing to hire Oregon Consensus to facilitate, ahead of a possible new Conditional Use Permit application from the landfill.

Mark and Chuck may not have received this, but on April 7 we got this request via Daniel:

Hi SWAC,

Thank you for your continued interest in providing feedback about the Sustainable Materials Management Plan (SMMP). This is an important process for our community and we are committed to understanding the perspectives of community members.

The Board of Commissioners and the County Administrator have asked Benton County staff and the team at [Oregon Consensus](#) to explore whether and how a third-party facilitator can help convene key perspectives, identify areas of agreement and disagreement, and outline potential paths forward around solid waste, sustainable materials and disposal. We are committed to finding successful long term solutions and we believe that a facilitated consensus-seeking process will help us find a constructive path forward.

We anticipate the consensus-seeking process will help inform next steps for sustainable materials management and additional planning needs. To give Oregon Consensus opportunity to complete an initial assessment, the Community Development Department Director, Darren Nichols, has asked that SWAC's opportunity to provide feedback on the Sustainable Materials Management Plan (SMMP) be rescheduled once we have guidance and direction from the consensus-seeking process. We hope that rescheduling SWAC's feedback will provide the council with important additional context for its work. We will reach out again as we have more information on the assessment process and opportunities to provide feedback.

It's unclear to me at least how our work on the SMMP would interfere with Oregon Consensus' assessment, but I took it off the April agenda, and the SMMP remains on our prospective agenda for May. I encourage y'all to pursue your own questions with Darren about the OConsensus process and how SWAC/DSAC should fit into it.

Last thing: elections! For both SWAC and DSAC! Give a thought to who you would like to see / your own availability as a Chair or Vice Chair.

All best,

Ken



Ken Eklund, writerguy

Creator of
World Without Oil
Ed Zed Omega
FutureCoast
and other storymaking games

Written Comment #6
Appendix A

AGENDAS
Disposal Site Advisory Council
Solid Waste Advisory Council
April 27, 2022 6:00 pm

DSAC:

5 min	Call to Order/Introductions/Announcements.....Chair	6:00 pm
5 min	Approval of the MinutesChair	
15 min	Community Member Comment.....Chair	6:10
10 min	Chair/Vice Chair SelectionChair Ken is currently Chair Pro Tem. Vice Chair is vacant.	
5 min	Bylaws Review.....Staff	
10 min	Community Concern Annual Report.....Chair Every year Oregon DEQ asks DSAC to report on community concerns about the disposal site. DSAC will receive a draft report from staff and discuss steps to finalize the report for DEQ later in the year.	6:40
15 min	Complaints Rundown: Current Landfill IssuesChair, Republic Quarterly, DSAC receives summaries from staff and the permittee about public complaints received and how those complaints are being addressed. DSAC may have initial comments about the complaint process.	
15 min	Covanta Ash as Landfill CoverChair, Republic Questions and discussion with staff and Republic representative(s). We're concerned that this ash is toxic and is currently allowed to become airborne, polluting neighbors and the environment.	
5 min	Member Requests.....Chair	
5 min	Agenda items for next meeting.....Chair	
5 min	Wrap-up/Adjourn.....Chair	7:25
5 min	Break	

SWAC:

5 min	Call to Order.....Chair	7:30
5 min	Approval of the MinutesChair	
15 min	Community Member Comment.....Chair	

5 min	Chair/Vice Chair Selection	Chair	
	Ken is currently Chair Pro Tem. Vice Chair is vacant.		
5 min	Bylaws Review.....	Chair	8:05
20 min	Discussion with Darren Nichols	Chair	
	We're asking the Community Development Director to discuss with us what has happened so far with the push for landfill expansion, and our possible roles in upcoming community outreach efforts about the push and the road ahead for the county with the sustainable materials management plan.		
5 min	Member Requests.....	Chair	
5 min	Agenda items for next meeting.....	Chair	
5 min	Wrap-up/Adjourn.....	Chair	8:40 pm

On our event horizon:

DSAC (next regular meeting on Wed July 27, 6 pm)

- Dumpstoppers
An initiative under development to counter illegal dumping. Staff will update us on progress.
- Community Concerns: Meeting focused on Public Feedback
Discussion and action about a special session focused entirely on receiving public concerns about the disposal site. (May be a special session before the regular meeting)
- Independent Audit into Landfill Waste
What's going into the disposal site? Discussion and action about recommending an independent audit.
- Transfer Station Discussion
A transfer station would enable the county to transfer its landfill waste from trucks to trains, and enable other disposal options. Discussion and action about planning this facility.

SWAC (next regular meeting on Wed May 24, 6 pm)

- DEQ Waste Generation Summary (tentative, may not be available by meeting date)
Information to come from Oregon DEQ about statewide trends in waste production.
- Sustainable Materials Management Plan, cont'd
Continuation of SWAC input into this comprehensive plan for the future of county municipal waste.
- Equitable Solid Waste and Recycling Services
The county varies widely in its access to services. Discussion and action about how to make access more universal in the county.
- Methane Detection: County Greenhouse Gas Footprint
Each ton of waste emplaced in the landfill generates methane, a potent greenhouse gas. Discussion and action about activating new detection tech to better assess the county footprint.
- Food Waste Strategies and
- DEQ's Bad Apple Campaign (Residential Food Waste Prevention)
Reports on this initiative area and opportunities to decrease food waste going to the landfill.
- Discussion about Forming a Regional SWAC Coalition