POTENTIAL IMPROVEMENT AND CONSOLIDATION OPPORTUNITIES FOR FNSB SOLID WASTE TRANSFER SITES

ASSEMBLY COMMITTEE OF THE WHOLE
November 7, 2019
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Opportunities for Select Transfer Site Consolidations

Transfer Sites to Close:

1. Dale Road Transfer Site → to West side sites
2. Moose Creek Transfer Site → to North Pole or Badger Road
3. 30-Mile Transfer Site
4. Midway Transfer Site

16 transfer sites consolidated to 12 transfer sites.
(25% reduction)
## Transfer Site List

<table>
<thead>
<tr>
<th>5 Main Transfer Sites</th>
<th>Small Transfer Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Farmers Loop East</td>
<td>8. Two Rivers</td>
</tr>
<tr>
<td>2. Farmers Loop West</td>
<td>9. Dale Road</td>
</tr>
<tr>
<td>3. North Pole</td>
<td>10. Moose Creek</td>
</tr>
<tr>
<td>4. Badger Road</td>
<td>11. 30-Mile</td>
</tr>
<tr>
<td>5. Chena Pump</td>
<td>12. Salcha</td>
</tr>
<tr>
<td></td>
<td>13. Midway</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Midsize Transfer Sites</th>
<th>Other Transfer Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>6. Fox</td>
<td>14. Chatanika</td>
</tr>
<tr>
<td>7. Ester</td>
<td>15. Solid Waste Facility</td>
</tr>
<tr>
<td></td>
<td>16. Salcha River Recreation Site</td>
</tr>
</tbody>
</table>
# SWCD Budget

**FY20**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
<td>$9,125,740</td>
</tr>
<tr>
<td>Expenditures</td>
<td>($8,757,680)</td>
</tr>
<tr>
<td>Contribution to fund balance</td>
<td>$368,060*</td>
</tr>
<tr>
<td>Annual lapsing appropriation</td>
<td>TBD*</td>
</tr>
</tbody>
</table>

**2019**

| SWCD Mill Rate | 1.599 |

**Fund Balance**

<table>
<thead>
<tr>
<th>Date</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ 6/30/2017</td>
<td>$4,965,563</td>
</tr>
<tr>
<td>@ 6/30/2018</td>
<td>$1,429,634</td>
</tr>
<tr>
<td>@ 6/30/2019 (unaudited)</td>
<td>$2,113,353</td>
</tr>
</tbody>
</table>

* Fund Balance – Remaining funding available for major maintenance and improvement projects
Transfer Site Major Maintenance and Improvement Project Funding

<table>
<thead>
<tr>
<th>Year</th>
<th>Ord. No.</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY14</td>
<td>Ord. No. 2013-20-1K</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>FY16</td>
<td>Ord. No. 2015-20-1L</td>
<td>$2,970,000</td>
</tr>
<tr>
<td>FY18</td>
<td>Ord. No. 2017-20-1F</td>
<td>$4,111,500</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>$8,081,500</strong></td>
</tr>
</tbody>
</table>
Relevant SWCD Borough Code

• “Transfer sites provided as part of the borough’s solid waste collection district are designated solely for the disposal of residential solid waste by residents of the borough residing outside the city of Fairbanks.” FNSBC 21.20.030 B.

• “No person shall dispose of solid waste in the borough’s public dumpsters collected from any location other than individual residences located in the borough outside the city of Fairbanks.” FNSBC 21.20.060 E.
Select Transfer Site Consolidations Considerations

• Transfer Sites Major Maintenance and Improvement Projects
• New Solid Waste Hauling Contract – Begins July 1, 2021
• Staffing issues / Shortages
• Efficiencies / Cost savings
• Maintain or Improve Public Service
## Transfer Site List

### 5 Main Transfer Sites
1. Farmers Loop East *(upgraded 2016)*
2. Farmers Loop West *(upgraded 2016)*
3. North Pole *(upgraded 2018)*
4. Badger Road *(upgraded 2018 & 2019)*
5. Chena Pump *(scheduled 2021)*

### Small Transfer Sites
6. Two Rivers *(upgraded 2017)*
7. Dale Road *(consolidated Jan. 31, 2020)*
8. Moose Creek *(consolidated Jan. 31, 2020)*
9. 30-Mile *(consolidated Jan. 31, 2020)*
10. Salcha *(upgraded 2017 & scheduled 2020)*
11. Midway *(consolidated Aug. 2020)*

### Midsize Transfer Sites
6. Fox *(upgraded 2018)*
7. Ester *(upgraded 2018 & 2019)*

### Other Transfer Sites
14. Chatanika
15. Solid Waste Facility
16. Salcha River Recreation Site

Red – Upgraded  |  Green – Consolidated  |  Blue – Scheduled
Transfer Site Major Maintenance & Improvements
Solid Waste Hauling Contract

• Invitation For Bid (IFB) – Issued Oct. 31, 2019.
• Seeking contractor to provide Solid Waste hauling services.
• Long term 10 year hauling contract.
• Lead time >12 months to obtain trucks and equipment.
• Streamline operations and transfer site services.
• Increased efficiency from transfer site consolidations.
• Future long term cost savings.
Transfer Site Maintenance Schedule

Consolidation would allow a fourth day per week for the 5 Main Sites.

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
<th>SATURDAY</th>
<th>SUNDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Pole</td>
<td>North Pole</td>
<td>North Pole</td>
<td>North Pole</td>
<td>North Pole</td>
<td>Midway</td>
<td></td>
</tr>
<tr>
<td>Badger Road</td>
<td>Badger Road</td>
<td>Badger Road</td>
<td>Badger Road</td>
<td>Badger Road</td>
<td>Salcha</td>
<td></td>
</tr>
<tr>
<td>F.L. East</td>
<td>F.L. East</td>
<td>F.L. East</td>
<td>F.L. East</td>
<td>F.L. East</td>
<td>30-Mile</td>
<td></td>
</tr>
<tr>
<td>F.L. West</td>
<td>F.L. West</td>
<td>Fox</td>
<td>F.L. West</td>
<td>F.L. West</td>
<td>Moose Creek</td>
<td>Two Rivers</td>
</tr>
<tr>
<td>Chena Pump</td>
<td>Ester</td>
<td>F.L. West</td>
<td>Ester</td>
<td>Chena Pump</td>
<td>Chena Pump</td>
<td>Fox</td>
</tr>
<tr>
<td>Chena Pump</td>
<td>Chena Pump</td>
<td>Chena Pump</td>
<td>Chena Pump</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dale Road</td>
<td>Dale Road</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Solid Waste Tonnages
FY19

Transfer Sites
44%

FY19 105,160 tons
Transfer Site Tonnages
FY19

- South Side Sites: 9%
- Chena Pump: 11%
- Dale Road: 2%
- North Pole: 16%
- Ester: 9%
- Farmer’s Loop West: 17%
- Chatanika: 0%
- Badger: 13%
- Two Rivers: 4%
- Fox: 3%
- Farmer’s Loop East: 20%

FY19 46,627 tons
Recommend to Consolidate Dale Road Transfer Site and other alternatives

Expand Transfer Site

Pros:
1) Improved site for users
2) Provides area TS for residents
3) Survey – 74% in favor (54% ~20% w/caveat comments)

Cons:
1) Project costs – ~$275,000
2) Conditional use permit required
3) Long term lease or land acquisition required
4) Continued residential complaints about TS
5) Survey – ~ 20% w/caveat comments
6) Higher future hauling contractor costs
7) Higher future borough staff costs
8) Borough staffing difficulties

Consolidate Transfer Site - Recommended

Pros:
1) Eliminate complaints regarding TS
2) Less commercial traffic (hauling contractor & commercial users)
3) Save project costs
4) Conditional use permit not required
5) End & save on lease costs ($4,400/year & staff time)
6) Save future hauling contractor costs
7) Save future borough staff costs
8) Save future attendant service costs
9) Helps borough staffing difficulties

Cons:
1) Residents transport distance would be greater.
2) No direct property tax savings
3) Perceived reduction of service
4) Renegotiate current hauling contract

Leave As Is

Pros:
1) Save project costs
2) Conditional use permit not required

Cons:
1) Continued residential issues
2) Continued hauling costs
Working with the borough, PDC Engineers performed a public involvement campaign regarding borough proposed upgrades to the Dale Road Transfer Site. A conceptual fly-over video was produced and hosted online through a custom website, daletransfer.site. Mailers were sent out on April 10th that contained an invite to the April 23rd project Open House, project information, a web-link and QR code leading to the website with video, and a comment card with a self-addressed, stamped envelope. Flyers in the form of door hangers were distributed neighborhood-wide on April 15th and 16th that included this same information and invitation.

The attached spreadsheet was used to track all comments received. By using different colored comment cards for mailers and door hangers, we were able to determine the source of the comment card received. Surprisingly, the percentage of residents who wish to Upgrade, Leave, or Close the transfer site are fairly consistent, no matter the source of the comment card. By far, the greatest percentage of the 139 comments received were mailers (62%), showing this is the best bang for the buck when it comes to public involvement.

Results of the received comment cards are as follows:

- 74% of respondents wish to **UPGRADE** the transfer site. **54% ~20% w/caveat comments.**
- 17% of respondents wish to **LEAVE** the transfer site as-is.
- 9% of respondents wish to permanently **CLOSE** the transfer site.

It should be noted, however, that many respondents who wish for the transfer site to be upgraded have the caveat that it should only be upgraded if the site is gated and hours of operation are implemented. Without set hours, many respondents would rather see the site closed.
Recommend to Consolidate South Side Transfer Sites

Moose Creek, 30 – Mile, & Midway* and other alternatives

Consolidate Moose Creek, 30- Mile & Midway* Transfer Sites:

Pros:
1) Save project costs (Moose Creek ~$245,000)
2) Conditional use permit not required (Moose Creek)
3) Save future hauling contractor costs
4) Save future borough staff costs
5) Save future attendant service costs
6) Helps borough staffing difficulties
7) Expand and provide improved Salcha TS for users

Cons:
1) Few residents transport distances would be greater
2) No direct property tax savings
3) Renegotiate current hauling contract

Leave As Is

Pros:
1) Save project costs (Salcha TS ~$800,000)

Cons:
1) Continued hauling costs
2) Continued borough staff costs
3) Continued pad maintenance costs and efforts
4) Continued staffing issues.

*Consolidate Midway TS after Salcha TS expansion
5.2 Long-Term Projects (Beyond 2020)

5.2.1 Salcha/Thirty Mile/Midway Consolidation

**Purpose**
Consolidating the Salcha, Thirty Mile, and Midway transfer sites into a single site will improve the efficiency of waste collection and reduce FNSB costs.

**Scope**
- Expand the Salcha site by 22,000 square feet
- Close the Thirty Mile and Midway transfer sites
Which site do you use the most?

- Farmers Loop West: 428
- Farmers Loop East: 403
- Chena Pump: 256
- North Pole: 165
- Badger Road: 135
- Ester: 99
- Fox: 55
- Salcha: 31
- Dale Road: 18
- Two Rivers: 13
- 30 Mile: 7
- Moose Creek: 4
- Midway: 3
- SWF Landfill: 2
- Total: 1,619

From the 2018 Transfer Site Survey Final Page
Cost Savings & Efficiencies

- Renegotiate current Solid Waste hauling contract.
- Save Dale Road leasing costs $4,400/yr. & staff time.
- Save electrical costs at Moose Creek & Midway transfer sites. (~$2,300/yr.)
- Solid Waste staff savings & efficiencies.
- New Solid Waste hauling contract (10 years).
- Consolidation of 16 transfer sites to 12 transfer sites. (25% fewer sites to maintain and manage.)
Implementation Plan

• **Assembly Committee of the Whole** – Presentation on *Potential Improvement and Consolidation Opportunities for FNSB Solid Waste Transfer Sites* November 7, 2019.

• **Direct notification** – Letters to be mailed November 8, 2019, to area residents impacted by consolidation with explanation and intended course of action.

• **Signage** – Expanded version of letters to be installed at all consolidated transfer sites.

• **Borough News Page/Website** – Notification of intended plans via these outlets.

• **Dates** – Provide ~3 month advance notice starting November 8, 2019. Consolidation of Dale Road, Moose Creek, & 30 – Mile transfer sites would be January 31, 2020. Midway transfer site scheduled approximately August 2020 after the Salcha transfer site major maintenance and improvement project is complete.

• **Salcha Major Maintenance and Improvement Project** – Construction scheduled summer of 2020.
Consolidation Schedule

(Reasons)

- Lower volumes and less usage in winter
- Begin process of changing user habits
- Staffing issues / Shortages
- Dale Road / Moose Creek projects vs. Salcha project
- Upgraded transfer sites available
November 8, 2019

RE: Select Transfer Site Consolidations – Richardson Highway

Dear Richardson Highway Resident,

This letter is to notify you that the Moose Creek and 30-Mile Transfer Sites have been selected to close permanently on January 31, 2020. In 2013, the Borough assembly appropriated the first of three ordinances that provided funding for a Major Maintenance and Improvement Plan for area wide transfer sites. These projects expanded transfer sites, provided recycled asphalt pavement surfaces, constructed grade separated roll off areas, installed energy efficient lighting, new fencing and gates, reuse shelters, and hazardous waste container shelters.

A recommendation from the Borough’s Major Maintenance and Improvement Plan was to consolidate several transfer sites into one single transfer site thereby improving the efficiency of waste collection and reducing costs. A Salcha Transfer Site Expansion Project is being designed, with sufficient capacity for the entire area, and construction is scheduled for the summer of 2020.

After careful review, the selection was made to close the Moose Creek and the 30-Mile Transfer Sites on January 31, 2020. The Midway Transfer Site is tentatively scheduled for closure in August 2020, after the Salcha Transfer Site Expansion Project is complete.

Area residents are being provided with advance notice and are requested to begin using these alternate transfer sites:

<table>
<thead>
<tr>
<th>Alternate Transfer Site</th>
<th>North Pole Transfer Site</th>
<th>Badger Road Transfer Site</th>
<th>Salcha Transfer Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>2740 Old Richardson Highway</td>
<td>855 Badger Rd.</td>
<td>8121 Richardson Highway</td>
</tr>
<tr>
<td>Driving time and distance</td>
<td>7 miles away or ~11 minute drive from Moose Creek Transfer Site</td>
<td>15 miles away or ~16 minute drive from Moose Creek Transfer Site</td>
<td>7.4 miles away or ~7 minute drive from 30-Mile Transfer Site</td>
</tr>
</tbody>
</table>

If you have questions or concerns, please call FNSB Solid Waste at 459-1462.

Sincerely,

Bryce J. Ward
Borough Mayor

cc: FNSB Assembly

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November 8, 2019

RE: Select Transfer Site Consolidations – Dale Road

Dear Dale Road Area Resident,

This letter is to notify you that the Dale Road Transfer Site has been selected to close permanently on January 31, 2020. In 2013, the Borough assembly appropriated the first of three ordinances that provided funding for a Major Maintenance and Improvement Plan for area wide transfer sites. These projects expanded transfer sites, provided recycled asphalt pavement surfaces, constructed grade separated roll off areas, installed energy efficient lighting, new fencing and gates, reuse shelters, and hazardous waste container shelters.

The Dale Road Transfer Site is used by an estimated 800 residents who dispose of approximately 1,100 tons of waste annually. In the spring of 2019, a public involvement campaign and analysis was conducted regarding proposed upgrades to the Dale Road Transfer Site. Based on comments received, on-going complaints, site conditions, costs and, since the existing site is not borough owned, the Dale Road Transfer Site was selected to close on January 31, 2020.

Dale Road area residents are being provided with advance notice and are requested to begin using these alternate transfer sites:

<table>
<thead>
<tr>
<th>Alternate Transfer Site</th>
<th>Farmers Loop West Transfer Site</th>
<th>Ester Transfer Site</th>
<th>Chena Pump Transfer Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>2180 Farmers Loop Rd.</td>
<td>2535 Little Shot Rd</td>
<td>2395 Old Chena Ridge Rd</td>
</tr>
<tr>
<td>Driving time and distance</td>
<td>3.7 miles away or ~9 minute drive</td>
<td>4.6 miles or ~7 minute drive</td>
<td>4.6 miles or ~6 minute drive</td>
</tr>
</tbody>
</table>

Additional information can be found at [http://fnlb.us/pw/Pages/Solid-Waste-Home.aspx](http://fnlb.us/pw/Pages/Solid-Waste-Home.aspx)

If you have questions or concerns, please call FNSB Solid Waste at 459-1462.

Sincerely,

Bryce J. Ward
Borough Mayor

cc: FNSB Assembly
Questions?
Dear Fairbanks Area Residents,

The Dale Road Transfer Site has been selected to close permanently on January 31, 2020.

This letter is in reply to your inquiry about the Dale Road Transfer Site. The site was selected to close on January 31, 2020. The Dale Road Transfer Site has not been operating correctly and the Borough is determined to close it. The site has not been able to manage waste in a manner that is consistent with the standards for hazardous waste and the standards for hazardous waste management.

The Borough Assembly approved the closure of the Dale Road Transfer Site in 2013. The site is not able to accept waste in a manner that is consistent with the standards for hazardous waste management.

The site was closed on January 31, 2020.

November 8, 2019

Fairbanks North Star Borough

Mayor's Office

Borough Mayor

Borough of Fairbanks

Fairbanks North Star Borough

240 North Twin Hill Road

Box 17267

Fairbanks, AK 99707-1727

Tel: (907) 458-1300 Fax: (907) 458-1102

cc: FNSB Assembly

If you have any questions or concerns, please call FNSB Solid Waste at 459-1482.

Additional information can be found at http://fnsb.wmrf/Pages/Solid-Waste-Rmer.aspx
<table>
<thead>
<tr>
<th>Trunk Site</th>
<th>Driving Time and Distance</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 Mile Transfer Site</td>
<td>11 miles away of ~12</td>
<td>7440 Old Richardson Highway</td>
</tr>
<tr>
<td>74 Mile Transfer Site</td>
<td>15 miles away of ~16</td>
<td>885 Badger Rd.</td>
</tr>
<tr>
<td>Creek Transfer Site</td>
<td>~11 miles away of ~16</td>
<td>5240 Old Richardson Highway</td>
</tr>
<tr>
<td>Middle Drive from Moose</td>
<td>~11 miles away of ~16</td>
<td>5240 Old Richardson Highway</td>
</tr>
<tr>
<td>Salina Transfer Site</td>
<td>Badger Road Transfer Site</td>
<td>5240 Old Richardson Highway</td>
</tr>
<tr>
<td>North Pole Transfer Site</td>
<td>Badger Road Transfer Site</td>
<td>5240 Old Richardson Highway</td>
</tr>
</tbody>
</table>

Transfer Site:
A recommendation from the Borough's Mayor, Maintenance and Improvements Plan, was to consolidate the existing two transfer sites into one single transfer site. The City of Moose Creek and the 30-Mile Transfer Site on January 31, 2020. The remaining transfer sites are being provided with advance notice and are requested to begin using these alternate transfer sites.

A recommendation from the Borough's Mayor, Maintenance and Improvements Plan, was to consolidate the existing two transfer sites into one single transfer site. The City of Moose Creek and the 30-Mile Transfer Site on January 31, 2020. The remaining transfer sites are being provided with advance notice and are requested to begin using these alternate transfer sites.

After careful review, the decision was made to close the Moose Creek and the 30-Mile Transfer Sites on January 31, 2020. The remaining transfer sites are being provided with advance notice and are requested to begin using these alternate transfer sites.

This letter is to notify you that the Moose Creek and 30-Mile Transfer Sites have been closed.

November 8, 2020

Moose Creek Transfer Site
Consolidations - Richardson Highway

Fairbanks North Star Borough

Mayor's Office