



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

**MEETING NOTICE  
RAMSEY/WASHINGTON RECYCLING & ENERGY BOARD**

**Date:** Thursday, May 28, 2026  
**Time:** 10 a.m. – noon  
**Location:** Ramsey/Washington Recycling & Energy Center | 100 Red Rock Road | Newport, MN | 55055 |  
Tours Building, Mississippi Conference Room | [Map](#)  
**Public:** Members of the public are encouraged to participate remotely or may attend at the Newport address.  
[Microsoft Teams](#) | Phone Conference ID: 481 370 782# | Call in (audio only) 1-323-792-6297

**AGENDA:**

- I. Call to Order, Introductions**
- II. Approval of Agenda** Action Page 1
- III. Approval of Minutes – April 30, 2026** Action Page 2
- IV. Consent Agenda – No Items.**
- V. Governance – No items.**
- VI. Management and Administration**
  - a. Facility & Finance Committee Report Information Page 7
    - i. Approval of 2027 Budgets Action Page 8
  - b. Minnesota GreenCorps Agreement Action Page 40
  - c. Control Systems Maintenance and Engineering Contract Action Page 43
- VII. Policy – No items.**
- VIII. Updates and Reports** Information Page 47
  - a. Commissioner Updates
  - b. Executive Director Update
  - c. Strategic Partnerships Update
  - d. Programs Update
  - e. Facility Update
  - f. Procurement Report Page 101
- IX. Other**
  - a. Invitation for Comments from Ex Officio R&E Board Members: Information  
City of Newport
- X. Adjourn**

**NEXT MEETING:**

R&E Board | Thursday, July 30, 2026 | 10 a.m. – noon | Ramsey/Washington Recycling & Energy Center, Newport



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

**THURSDAY, APRIL 30, 2026  
RAMSEY/WASHINGTON RECYCLING & ENERGY BOARD MEETING MINUTES**

A meeting of the Ramsey/Washington Recycling & Energy Board (R&E Board) was held at 10 a.m. at the Ramsey/Washington Recycling & Energy Center (R&E Center), 100 Red Rock Road, Newport, Minnesota. Members of the public attended remotely or in person at the Newport address.

**MEMBERS PRESENT**

Commissioners Karla Bigham and Fran Miron – Washington County  
Commissioners Mary Jo McGuire, Rafael Ortega (joined at 10:09 a.m.) and Mai Chong Xiong (alternate) – Ramsey County

**MEMBERS NOT PRESENT**

Commissioner Kelly Miller – Ramsey County

**EX-OFFICIO MEMBERS PRESENT**

None.

**ATTENDING AT THE R&E CENTER, NEWPORT**

Leigh Behrens, Dave Brummel, Mikaela Campbell, Sam Ferguson, Melissa Finnegan, Sophia Fiswick, Annalee Garletz, Kelli Hall, Sam Hanson, Sam Holl, Kathryn Jordan, Peter Lesiak, Trista Martinson, Andrea McKennan, Jennefer Klennert, Deb Orth, Matt Phillips, Lasse Radke, Jim Redmond, John Ristad, Daniel Schmidt

**ATTENDING REMOTELY**

Due to technical issues, the meeting was not broadcast, but it was recorded.

**CALL TO ORDER**

Chair McGuire called the meeting to order at 10:04 a.m. Introductions were made.

**AGENDA OF APRIL 30, 2026 PRESENTED FOR APPROVAL**

Motion by Xiong, seconded by Miron, to approve the agenda. Motion passed.

Ayes: Bigham, McGuire, Miron, Ortega and Xiong.

Nays: None.

**MINUTES FROM FEBRUARY 26, 2026 PRESENTED FOR APPROVAL**

Motion by Miron, seconded by Bigham, to approve the minutes of February 26, 2026. Motion passed.

Ayes: Bigham, McGuire, Miron, Ortega and Xiong.

Nays: None.

**CONSENT AGENDA**

Presented by: Jim Redmond, R&E Contract Manager

The contract information is included in the April 30, 2026, R&E Board packet.

Motion by Bigham, seconded by Xiong, to approve Resolution R&EB-2026-06 Consent Agenda. Motion passed.

Ayes: Bigham, McGuire, Miron, Ortega and Xiong.

Nays: None.

**MANAGEMENT AND ADMINISTRATION**

**Facility & Finance Committee Report**

Presented by: Karla Bigham, Committee Chair

The Facility & Finance Committee met on Thursday, April 9, 2026. The 2025 year-end budget report was reviewed. The committee approved allocation of the \$2,604,252 year-end surplus to the Equipment Maintenance & Replacement Budget via Resolution R&EB-FFC-2026-01 2025 Year-End Surplus and recommends board approval. The committee reviewed the modified fund balance policy. Edits were made to the policy, primarily to remove references to “joint activities” and replace those references with “programs,” as well as remove references to the “joint leadership team.” The revised policy was approved by the committee via Resolution R&EB-FFC-2026-02 R&E Programs Fund Balance Policy. The committee also reviewed the 2027 budget planning timeline. The Programs Budget must be approved by both Ramsey and Washington Counties. No budget changes are needed for 2027.

All action items are being brought to the board for final approval.

Motion by Bigham, seconded by Xiong, to approve Resolution R&EB-2026-07 2025 Year-End Surplus. Motion passed.

Ayes: Bigham, McGuire, Miron, Ortega and Xiong.

Nays: None.

Motion by Bigham, seconded by Xiong, to approve Resolution R&EB-2026-08 R&E Programs Fund Balance Policy. Motion passed.

Ayes: Bigham, McGuire, Miron, Ortega and Xiong.

Nays: None.

Executive Director Trista Martinson gave an update on the status of the Gerdau site feasibility study. There have been no surprising findings. Contamination is as expected and is being managed. The real estate investor for the site, JLL, is expected to do a request for proposals prior to fall 2026. The next step will be to organize an initial meeting with stakeholders and potential partners, after which another report will be brought to the board.

## **UPDATES AND REPORTS**

### **Commissioner Update**

Presented by: Mary Jo McGuire, R&E Board Chair

R&E staff presented a board workshop to Ramsey County on Tuesday, April 28, 2026, titled “Governance Alternatives Exploration: Preliminary Analysis.” The workshop was presented to Washington County on March 31, 2026. The Counties appreciate hearing about the work being done at R&E.

Commissioner Bigham reported on the April 24, 2026, meeting of the Association of Minnesota Counties solid waste management workgroup. Food scrap preprocessing requirements were discussed. The issue of food scrap bags not being considered presorting was noted. No direction from the Minnesota Pollution Control Agency (MPCA) is expected until 2027.

### **Executive Director Update**

Presented by: Trista Martinson, R&E Executive Director

After presentation of the governance workshops to both Counties, all are in support of doing a deeper dive as to the best governance system. Organics expansion is going well, and we now have a sub-patent license on the Food Scrap Pickup Program food scrap bags. The annual hauler appreciation picnic and employee wellness event will be held from 10 a.m. - 4 p.m. on August 27, 2026. Tours will be held for family and friends throughout the event.

### **Strategic Partnerships Update**

Presented by: Melissa Finnegan, R&E Strategic Partnerships Manager

An update was given on the status of grant applications. The contract has been finalized on the 2024 Renewable Development Account relative to the funding of construction of the anaerobic digester. An update on the status of R&E’s 2026 legislative platform priorities was also presented. There is movement relative to the bill on infectious waste; significant opposition from the Minnesota Hospital Association was noted. Waste haulers have voiced concerns about the solid waste management district bill. Discussions have been initiated. A time frame of three to five years is expected on this legislation.

### **Programs Update**

Presented by: Sam Hanson, R&E Programs Director

Sam Ferguson, program coordinator, presented a high-level overview of the 2025 annual report. The facility processed 359,338 tons of municipal solid waste. Mattress collection increased by 50% in 2025, and food rescue was up by 33%. Participation in the Food Scraps Pickup Program increased by 9%, with increased sustained participation. Grants totaling \$1 million were issued to businesses and multi-unit properties to increase recycling rates and reduce waste, and 284,000 pounds of building materials were salvaged for reuse. Compost was provided to 46 community gardens. A record 1,998 facility tours were given in 2025. This included 16 groups of Saint Paul Public School students.

The R&E Center produced 298,731 tons of refuse-derived fuel, which was used to create energy, powering the equivalent of 12,048 homes for one year. By replacing the R&E diesel yard trucks with electric vehicles, \$76,000 was saved in expenditures, while avoiding 897 tons of CO<sub>2</sub> emissions.

Facility safety highlights include 1,303 hours of safety training, with \$31,768 saved in nurse line costs. The R&E Center has 30 employees trained in CPR, first aid and AED.

The full 2025 R&E Annual Report is available at <https://recyclingandenergy.org/2025-Annual-Report/>.

### **Facility Update**

Presented by: Sam Holl, R&E Facility Director

Holl noted an additional load of potentially infectious waste was received at the facility. The Counties, the MPCA and the haulers are notified about this type of load. The larger Ramsey County hospitals continue to be the largest generators. There have been more than 300 documented events in the past 12 months. R&E staff will continue to work with the hospital association and on legislation.

The new yard tractor is expected to arrive in June 2026. The draft of the contract with Xcel Energy is being finalized. It is expected to be ready for board approval in the third quarter of 2026. Bypass volume for 2026 is tracking approximately 50% less than for 2025. Scheduled and unscheduled maintenance have decreased.

R&E currently has two interns who will be at the facility through the end of August 2026. The internships are part of the Climate Smart Municipalities program at the University of Minnesota, in partnership with the University of Münster. Projects will include completing a lifecycle analysis on the Gerdau site, generating a listing of waste-to-energy facilities in the United States and producing a waste map for the seven-county metro area, including which facilities are being utilized. This will also be looked at at a state level. The interns will be doing a food scrap bag sort during the week of May 4, 2026. Foth has been assisting with intern projects.

### **Procurement Report**

Presented by: Jim Redmond, R&E Contract Manager

Redmond presented the report for February and March of 2026. There were 20 contracts issued: 19 related to the facility and one related to programs. Grants totaling \$112,000 were issued during that period, relating to deconstruction and BizRecycling.

### **OTHER BUSINESS**

#### **Next Meeting**

The next meeting of the R&E Board will be held on May 28, 2026, at 10 a.m. at the R&E Center in Newport.

### **ADJOURNMENT**

Chair McGuire adjourned the business meeting at 11:20 a.m.

ATTEST:

---

Commissioner Mary Jo McGuire, Chair  
May 28, 2026

---

May 28, 2026



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

<b>R&amp;E BOARD MEETING DATE:</b>	May 28, 2026	<b>AGENDA ITEM:</b>	VI.a
<b>SUBJECT:</b>	Facility & Finance Committee Report		
<b>TYPE OF ITEM:</b>	<input checked="" type="checkbox"/> INFORMATION	<input type="checkbox"/> POLICY DISCUSSION	<input type="checkbox"/> ACTION <input type="checkbox"/> CONSENT
<b>SUBMITTED BY:</b>	Trista Martinson, R&E Executive Director		

**R&E BOARD ACTION REQUESTED:**

For information only.

**EXECUTIVE SUMMARY:**

The Facility & Finance Committee met on May 14, 2026. Committee Chairman Bigham will provide a verbal report to the board, followed by staff updates on the topics covered at the committee meeting:

1. 2027 Budget Recommendations for Board Approval

**ALIGNMENT WITH STRATEGIC PLAN:**


Strategic Initiative 4.A.ii: Develop in-house systems, services and budget structures that reduce reliance on county resources.

**ATTACHMENTS:**

None.

**FINANCIAL IMPLICATIONS:**

None.

AUTHORIZED SIGNATURES	DATE
R&E EXECUTIVE DIRECTOR 	5/20/26



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

<b>R&amp;E BOARD MEETING DATE:</b>	May 28, 2026			<b>AGENDA ITEM:</b>	VI.a.i			
<b>SUBJECT:</b>	Approval of 2027 Budgets							
<b>TYPE OF ITEM:</b>	<input type="checkbox"/>	INFORMATION	<input type="checkbox"/>	POLICY DISCUSSION	<input checked="" type="checkbox"/>	ACTION	<input type="checkbox"/>	CONSENT
<b>SUBMITTED BY:</b>	Trista Martinson, R&E Executive Director							

**R&E BOARD ACTION REQUESTED:**

1. Approve the 2027 R&E Programs Budget and recommend that the Ramsey and Washington County Boards approve the 2027 R&E Programs Budget.
2. Approve the 2027 Facility Budget, including the Equipment Maintenance & Replacement (EM&R) Fund.
3. Approve the 2027 tipping fee for waste delivered from Ramsey and Washington Counties to the Ramsey/Washington Recycling & Energy Center (R&E Center) at \$159 per ton.

**EXECUTIVE SUMMARY:**

R&E Board Bylaws provide that the Facility & Finance Committee will prepare a two-year budget for Joint Activities (Programs) for R&E Board approval on or prior to August 1 of the year prior. The R&E Board then submits the R&E Programs Budget to the Counties annually for approval of their respective contributions. The bylaws also state that the Facility & Finance Committee will prepare the annual Facility Budget for approval by the R&E Board each year on or prior to August 1 of the year prior. While not called for in the bylaws, the executive director is recommending that the EM&R Fund also be prepared for consideration by the R&E Board.

There are no recommended changes to the 2027 Programs Budget previously approved on July 24, 2025.

There are no recommended changes to the 2027 Facility Budget previously approved on July 24, 2025. There are no recommended changes to the 2027 EM&R Fund previously approved on July 24, 2025.

**ALIGNMENT WITH STRATEGIC PLAN:**

Strategic Initiative 4A.ii: Develop in-house systems, services and budget structures that reduce reliance on county resources.



**SUBJECT:** *Approval of 2027 Budgets*

**ATTACHMENTS:**

1. Draft Resolution (R&EB-2026-09)
2. Resolution R&EB-FFC-2026-03
3. 2027 Proposed R&E Programs (Joint Activities) Budget
4. 2027 Proposed Facility Budget
5. 2027 Proposed Equipment Maintenance & Replacement Fund

**FINANCIAL IMPLICATIONS:**

The budgets will be set for 2027.

AUTHORIZED SIGNATURES		DATE
R&E EXECUTIVE DIRECTOR		5/21/26
WASHINGTON COUNTY ATTORNEY		5/21/26



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

**RESOLUTION R&EB-2026-09**  
**Approval of 2027 Budgets**

WHEREAS, The Ramsey/Washington Recycling & Energy Board (R&E Board) is governed by the Amended and Restated Joint Powers Agreement by and between Ramsey County and Washington County dated November 12, 2024 (Joint Powers Agreement); and

WHEREAS, The Joint Powers Agreement provides that the R&E Board shall establish a Facility Budget, Equipment Maintenance & Replacement Fund and a Joint Activities Budget; and

WHEREAS, The Facility & Finance Committee has reviewed the 2027 Joint Activities Budget at its meeting on May 14, 2026; and

WHEREAS, The Facility & Finance Committee has reviewed the 2027 Facility Budget at its meeting on May 14, 2026; and

WHEREAS, The Facility & Finance Committee has reviewed the 2027 Equipment Maintenance & Replacement Fund at its meeting on May 14, 2026; and

WHEREAS, Ramsey and Washington County Boards will review the 2027 Joint Activities Budget at their respective workshops in June 2026; NOW, THEREFORE BE IT

RESOLVED, The R&E Board hereby approves the 2027 Joint Activities Budget and recommends that the Ramsey and Washington County Boards approve the 2027 Joint Activities Budget. BE IT FURTHER

RESOLVED, The R&E Board approves the 2027 Facility Budget and sets the 2027 tipping fee at the rate previously approved on July 24, 2025, of \$159 per ton. BE IT FURTHER

RESOLVED, The R&E Board approves the 2027 Equipment Maintenance & Replacement Fund.

---

Mary Jo McGuire, Board Chair  
May 28, 2026

---

Attest  
May 28, 2026



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

**RESOLUTION R&EB-FFC-2026-03  
2027 Budget Recommendations**

WHEREAS, the Ramsey/Washington Recycling & Energy Board (R&E Board) is governed by the Amended and Restated Joint Powers Agreement by and between Ramsey County and Washington County dated November 12, 2024 (Joint Powers Agreement); and

WHEREAS, The Joint Powers Agreement provides that the R&E Board shall establish a Facility Budget and an R&E Joint Activities (JA) Budget; and

WHEREAS, The Facility & Finance Committee reviewed the 2027 JA Budget at its meeting on April 9, 2026; and

WHEREAS, The Facility & Finance Committee reviewed the 2027 Facility Budget at its meeting on April 9, 2026; and

WHEREAS, The Facility & Finance Committee reviewed the 2027 Equipment Maintenance & Replacement Fund at its meeting on April 9, 2026. NOW, THEREFORE, BE IT

RESOLVED, The R&E Board Facility & Finance Committee hereby approves the 2027 R&E JA Budget and recommends that the R&E Board approve the JA Budget and forward the budget to the Ramsey and Washington County boards for approval. BE IT FURTHER

RESOLVED, The R&E Board Facility & Finance Committee hereby approves the 2027 Facility Budget and sets the 2027 tipping fee at the rate, previously approved on July 24, 2025, of \$159 per ton. BE IT FURTHER

RESOLVED, The R&E Board Facility & Finance Committee hereby approves the 2027 Equipment Maintenance & Replacement Fund.

*Karla Bigham*

\_\_\_\_\_  
Karla Bigham, Committee Chair  
May 14, 2026

*[Signature]*

\_\_\_\_\_  
May 14, 2026

**Ramsey/Washington Recycling & Energy Board**  
**R&E Programs**

<b>R&amp;E Programs</b>	<b>2024 Approved Budget</b>	<b>2025 Approved Budget</b>	<b>2026 Approved Budget</b>	<b>2027 Approved Budget</b>
<b>APPROPRIATIONS:</b>				
Program Operations	3,506,000	3,559,000	5,255,357	5,621,669
Commercial & Residential Recycling	4,425,000	4,425,000	3,750,000	3,750,000
Community Waste Solution	830,000	786,000	840,000	840,000
Food Scrap Recycling	1,105,000	1,455,000	3,004,000	4,317,000
Education, Communications & Outreach	925,000	925,000	2,326,000	2,490,000
Policy Evaluation	1,190,000	1,190,000	1,204,700	1,219,841
<b>Total Appropriations</b>	<b>11,981,000</b>	<b>12,340,000</b>	<b>16,380,057</b>	<b>18,238,510</b>
<b>REVENUE:</b>				
Washington County	3,234,870	3,331,800	4,761,835	5,653,938
Ramsey County	8,746,130	9,008,200	10,598,922	12,584,572
Board Authorized use of Fund Balance and 2025 Carryover	-	-	1,019,300	-
<b>Total Revenue</b>	<b>11,981,000</b>	<b>12,340,000</b>	<b>16,380,057</b>	<b>18,238,510</b>
<b>TOTAL</b>				
Appropriations	11,981,000	12,340,000	16,380,057	18,238,510
Revenue	11,981,000	12,340,000	16,380,057	18,238,510
Surplus/(Deficit)				

SUBJECT: Approval of 2027 Budgets

**Ramsey/Washington Recycling & Energy Board  
R&E Programs**

Account	Description	2024 Approved	2025 Approved	2026 Approved	2027 Approved
<b>APPROPRIATIONS:</b>					
<b><u>PROGRAM OPERATIONS</u></b>					
	411101 Salaries Permanent	1,409,038	1,460,144	2,642,541	2,807,278
	411103 Salaries Temporary	15,000	15,000	15,000	15,000
	411201 PERA	105,972	109,307	198,714	210,576
	411202 Fica - OASDI	90,297	95,475	165,559	168,461
	411203 FICA - HI	29,111	30,798	39,743	42,115
	411301 Health & Dental Ins	405,179	408,878	657,280	796,320
	411306 Life Ins	1,602	1,698	2,713	2,783
	411307 Long Term Disability Ins	1,914	2,029	2,607	2,673
	411410 Cell Phone Reimbursement	13,200	13,200	22,440	22,440
	421101 Accounting & Auditing Services	110,000	110,000	113,300	116,699
	421102 Auditor	20,000	20,000	20,600	21,218
	421110 Fiscal agent Fees	30,000	30,000	30,900	31,827
	421208 County Attorney	70,000	70,000	40,000	41,200
	421401 Computer Maintenance and Other	618,528	592,129	609,893	628,190
	421501 Consulting	396,384	410,567	464,800	478,744
	421511 Partnership on Waste and Energy Contribution	101,150	101,150	104,185	107,310
	421525 Recruitment Services	1,000	1,000	1,030	1,061
	421603 Printing	4,500	4,500	4,635	4,774
	421701 Postage	2,000	2,000	2,060	2,122
	422402 Buildings & Office Space	-	-	-	-
	423111 Employee Development	9,000	9,000	9,270	9,548
	423309 Records Storage	275	275	283	292
	424302 Membership & Dues	22,000	22,000	22,660	23,340
	424303 Conference & Seminar	20,000	20,000	30,000	30,900
	424304 Other Travel	20,000	20,000	25,000	25,750
	424305 Meeting Expense	5,000	5,000	5,150	5,305
	424501 Mileage	2,000	2,000	2,060	2,122
	424507 Messenger Service	350	350	361	371
	424607 Licensing Fee	-	-	-	-
	431101 Office Supplies	2,500	2,500	2,575	2,652
	431102 Computer Operating Supplies	-	-	20,000	20,600
<b>Total Program Operations</b>		<b>3,506,000</b>	<b>3,559,000</b>	<b>5,255,357</b>	<b>5,621,669</b>
<b><u>COMMERCIAL &amp; RESIDENTIAL RECYCLING</u></b>					
	421542 BizRecycling	2,175,000	2,175,000	1,925,000	1,925,000
	421543 Multi-Unit Recycling	1,250,000	1,250,000	1,000,000	1,000,000
	421544 Business Pollution Prevention	450,000	450,000	325,000	325,000
	421545 Food Waste Prevention	500,000	500,000	500,000	500,000
	421546 Food Scraps End Markets	50,000	50,000	-	-
<b>Total Commercial &amp; Residential Recycling</b>		<b>4,425,000</b>	<b>4,425,000</b>	<b>3,750,000</b>	<b>3,750,000</b>
<b><u>COMMUNITY WASTE SOLUTIONS</u></b>					
	421538 Community Resource Hubs	190,000	190,000	-	-
	421546 Food Scraps End Markets	-	-	40,000	40,000
	421539 Bulky Waste Solutions	490,000	446,000	800,000	800,000
	421540 Reuse & Repair	150,000	150,000	-	-
<b>Total Community Waste Solutions</b>		<b>830,000</b>	<b>786,000</b>	<b>840,000</b>	<b>840,000</b>

**SUBJECT: Approval of 2027 Budgets**

**FOOD SCRAP RECYCLING**

421541 Program Resources	200,000	425,000	1,705,000	2,460,000
421522 Other Professional Services	280,000	405,000	1,299,000	1,857,000
421602 Promotional Activities	625,000	625,000	-	-
<b>Total Food Scrap Recycling</b>	<b>1,105,000</b>	<b>1,455,000</b>	<b>3,004,000</b>	<b>4,317,000</b>

**EDUCATION, COMMUNICATIONS, & OUTREACH**

421509 Communications, Design, & Educational Services	775,000	775,000	2,176,000	2,340,000
421522 Other Professional Services	150,000	150,000	150,000	150,000
<b>Total Education, Communications, &amp; Outreach</b>	<b>925,000</b>	<b>925,000</b>	<b>2,326,000</b>	<b>2,490,000</b>

**POLICY EVALUATION**

421201 Legal Services	490,000	490,000	504,700	519,841
421502 Engineering Services	700,000	700,000	700,000	700,000
<b>Total Policy Evaluation</b>	<b>1,190,000</b>	<b>1,190,000</b>	<b>1,204,700</b>	<b>1,219,841</b>

<b>Total Appropriations</b>	<b>11,981,000</b>	<b>12,340,000</b>	<b>16,380,057</b>	<b>18,238,510</b>
-----------------------------	-------------------	-------------------	-------------------	-------------------

(0)

**REVENUE:**

314103 Washington County	3,234,870	3,331,800	4,761,835	5,653,938
319110 Ramsey County	8,746,130	9,008,200	10,598,922	12,584,572
Fund Balance R&E			1,019,300	
<b>Total Revenue</b>	<b>11,981,000</b>	<b>12,340,000</b>	<b>16,380,057</b>	<b>18,238,510</b>

**Ramsey/Washington Recycling & Energy Board  
R&E Programs**

**LINE ITEM EXPLANATIONS**

**APPROPRIATIONS EXPLANATIONS**

**Program Operations (51808)**

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
411101	Salaries Permanent	1,409,038	1,460,144	2,642,541	2,807,278

EXPLANATION: Compensation for permanent full-time and permanent part-time employees.  
Administrative staff cost reallocation to Facility budget per R&E Board direction

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
411103	Salaries Temporary	15,000	15,000	15,000	15,000

EXPLANATION: Compensation for temporary full-time and temporary part-time employees.

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
411201	PERA	105,972	109,307	198,714	210,576

EXPLANATION: PERA rate calculation at 7.5% of Salaries Permanent

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
411202	Fica - OASDI	90,297	95,475	165,559	168,461

EXPLANATION: Fica - OASDI is calculated at 6.2% of Salary Permanent and Salaries Temporary

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
411203	FICA - HI	29,111	30,798	39,743	42,115

EXPLANATION: Fica - HI is calculated at 1.452% of Salaries Permanent and Salaries Temporary

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
411301	Health & Dental Ins	405,179	408,878	657,280	796,320

EXPLANATION: Health & Dental Insurance for Staff

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
411306	Life Ins	1,602	1,698	2,713	2,783

EXPLANATION: Life Insurance is paid up to a maximum of \$50,000 or 1 times an employee's salary for staff

**Ramsey/Washington Recycling & Energy Board  
R&E Programs**

<b>LINE ITEM EXPLANATIONS</b>					
<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
411307	Long Term Disability Ins	1,914	2,029	2,607	2,673
EXPLANATION: Long Term Disability Insurance for Staff					
411410	Cell Phone Reimbursement	13,200	13,200	22,440	22,440
EXPLANATION: Cell phone reimbursement for staff, \$55 per month per employee					
421101	Accounting & Auditing Services	110,000	110,000	113,300	116,699
EXPLANATION:					
421102	Auditor	20,000	20,000	20,600	21,218
EXPLANATION: Expenses associated with the required annual audit of the R&E Board					
421110	Fiscal agent Fees	30,000	30,000	30,900	31,827
EXPLANATION: Annual Expenses paid to Ramsey County Finance for Fiscal Agent Agreement					
421208	County Attorney	70,000	70,000	40,000	41,200
EXPLANATION: Reimbursement expenses to the Ramsey and Washington County Attorney's office for legal services					
421401	Computer Maintenance and Other	618,528	592,129	609,893	628,190
EXPLANATION: Computer system maintenance and other IT costs					
421501	Consulting	396,384	410,567	464,800	478,744
EXPLANATION: Ramsey County Human Resources - \$5,000/yr, IT consultant, Planning Consultant					
421511	Partnership on Waste and Energy Contribution	101,150	101,150	104,185	107,310
EXPLANATION: Recycling and Energy's contribution to Partnership on Waste and Energy.					

**Ramsey/Washington Recycling & Energy Board  
R&E Programs**

**LINE ITEM EXPLANATIONS**

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
421525	Recruitment Services	1,000	1,000	1,030	1,061
EXPLANATION:	Costs relating to hiring Recycling and Energy staff				
421603	Printing	4,500	4,500	4,635	4,774
EXPLANATION:	Printing services				
421701	Postage	2,000	2,000	2,060	2,122
EXPLANATION:	Postage				
422402	Buildings & Office Space	-	-	-	-
EXPLANATION:	Office space for Joint Activities staff at R&E Center				
423111	Employee Development	9,000	9,000	9,270	9,548
EXPLANATION:	Staff training				
423309	Records Storage	275	275	283	292
EXPLANATION:	Fee paid for storing records				
424302	Membership & Dues	22,000	22,000	22,660	23,340
EXPLANATION:	Memberships for Recycling & Energy				
424303	Conference & Seminar	20,000	20,000	30,000	30,900
EXPLANATION:	Conference & Seminars for R&E Board and staff				
424304	Other Travel	20,000	20,000	25,000	25,750
EXPLANATION:	Site visits and other educational opportunities				

**Ramsey/Washington Recycling & Energy Board  
R&E Programs**

<b>LINE ITEM EXPLANATIONS</b>						
	424305	Meeting Expense	5,000	5,000	5,150	5,305
EXPLANATION:		Expenses related to R&E Board staff meetings				
<b>Account Code</b>		<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
	424501	Mileage	2,000	2,000	2,060	2,122
EXPLANATION:		Parking/Mileage paid to employees based on IRS reimbursement rate				
<b>Account Code</b>		<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
	424507	Messenger Service	350	350	361	371
EXPLANATION:		Courier services				
<b>Account Code</b>		<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
	424607	Licensing Fee	-	-	-	-
EXPLANATION:		Trademark Fee				
<b>Account Code</b>		<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
	431101	Office Supplies	2,500	2,500	2,575	2,652
EXPLANATION:		General office supplies				
<b>Account Code</b>		<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
	431102	Computer Operating Supplies	-	-	20,000	20,600
<b>Total Program Operations</b>			<b>3,506,000</b>	<b>3,559,000</b>	<b>5,255,357</b>	<b>5,621,669</b>

**Ramsey/Washington Recycling & Energy Board  
R&E Programs**

**LINE ITEM EXPLANATIONS**

**Commercial & Residential Recycling (51809)**

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421542	BizRecycling	2,175,000	2,175,000	1,925,000	1,925,000
EXPLANATION:	1) BizRecycling consulting services - \$725,000/yr 2) BizRecycling Community Capacity Building - \$400,000/year 3) BizRecycling grants and incentives - \$800,000/year				
Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421543	Multi-Unit Recycling	1,250,000	1,250,000	1,000,000	1,000,000
EXPLANATION:	1) Multi-Unit Recycling consulting services - \$575,000/yr  2) Multi-Unit Recycling Program grants and incentives - \$350,000/yr 3) Multi-Unit Community Capacity Building - \$75,000/yr				
Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421544	Business Pollution Prevention	450,000	450,000	325,000	325,000
EXPLANATION:	1) Business Pollution Prevention consulting services - \$125,000/yr 2) Business Pollution Prevention grants and incentives - \$200,000 in 2026				
Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421545	Food Waste Prevention	500,000	500,000	500,000	500,000
EXPLANATION:	Resources for preventing food waste and increasing foodrecovery efforts. \$500,000/year				
Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421546	Food Scraps End Markets	50,000	50,000	-	-
EXPLANATION:	Moved to Community Waste Solutions for 2026-27				
<b>Total Commercial &amp; Residential Recycling</b>		<b>4,425,000</b>	<b>4,425,000</b>	<b>3,750,000</b>	<b>3,750,000</b>

**Ramsey/Washington Recycling & Energy Board  
R&E Programs**

**LINE ITEM EXPLANATIONS**

**Community Waste Solutions (51817)**

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421538	Community Resource Hubs	190,000	190,000	-	-

EXPLANATION: 1) Community Resource Hub hard costs (rent, equipment, materials, etc.)- \$100,000/yr  
2) Community Resource Hub staffing, contractors, and partnerships - \$90,000/yr

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421539	Bulky Waste Solutions	490,000	446,000	800,000	800,000

EXPLANATION: 1) Mattress recycling strategies - \$300,000/yr  
2) Research, planning, and pilot testing for other bulky items - \$50,000 for 2026 and \$50,000 for 2027  
3) Building Materials Reuse - Grants, resources, training and partnerships - \$450,000 for 2026 and \$450,000 for 2027

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421540	Reuse & Repair	150,000	150,000	-	-

EXPLANATION: Education, resources, and shared county disposal directory - \$150,000/yr

Account Code	Account Name	2024 Approved	2025 Approved	2026 Proposed	2027 Proposed
421546	Food Scraps End Markets	-	-	40,000	40,000

EXPLANATION: Supporting food scrap recycling end markets through material distribution, demonstration projects, policy solutions and educational resources - \$40,000/year

<b>Total Community Waste Solutions</b>		830,000	786,000	840,000	840,000
--	--	---------	---------	---------	---------

**Food Scrap Recycling (51818)**

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421541	Program Resources	200,000	425,000	1,705,000	2,460,000

EXPLANATION: Durable Compostable Bags (DCB's) - \$1,705,000/yr for 2026 and \$2,460,000/yr for 2027

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421522	Other Professional Services	280,000	405,000	1,299,000	1,857,000

EXPLANATION: 1) Distribution of DCB's - Warehouse, fulfillment, and delivery of DCB's - \$1,174,000/yr for 2026 and \$1,691,000/yr for 2027  
2) Administration of DCB's - Customer service, program development and maintenance, and license - \$125,000/yr for 2026 and \$166,000/yr for 2027

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
--------------	--------------	------------------	------------------	------------------	------------------

**Ramsey/Washington Recycling & Energy Board  
R&E Programs**

**LINE ITEM EXPLANATIONS**

421602	Promotional Activities	625,000	625,000	-	-
--------	------------------------	---------	---------	---	---

EXPLANATION: This has been moved to the Education, Communications & Outreach budget.

<b>Total Food Scrap Recycling</b>	1,105,000	1,455,000	3,004,000	4,317,000
-----------------------------------	-----------	-----------	-----------	-----------

**Education, Communications, & Outreach (51810)**

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
421509	Communications, Design, & Educational Services	775,000	775,000	2,176,000	2,340,000

EXPLANATION: 1) Contracted graphic design, printing, and mailing services for R&E materials - \$200,000 for 2026 and \$225,000 for 2027  
 2) R&E websites hosting, maintenance, and support - \$251,000 for 2026 and \$240,000 for 2027  
 3) Videography to support programs, activities, and R&E Center - \$50,000/yr  
 4) Outreach, engagement, promotion, marketing, and educational activities to support all of R&E Center - \$1,675,000 for 2026 and \$1,825,000 for 2027

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
421522	Other Professional Services	150,000	150,000	150,000	150,000

EXPLANATION: Contracted services for specialized communication, cultural consultation, and other outreach and engagement needs - \$150,000/year.

<b>Total Education, Communications, &amp; Outreach</b>	925,000	925,000	2,326,000	2,490,000
--	---------	---------	-----------	-----------

**Policy Evaluation (51811)**

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
421201	Legal Services	490,000	490,000	504,700	519,841

EXPLANATION: Legal services contract

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
421502	Engineering Services	700,000	700,000	700,000	700,000

EXPLANATION: General engineering and technical services contracted with Foth Infrastructure & Environmental, LLC, and Hdr Engineering Inc

<b>Total Policy Evaluation</b>	1,190,000	1,190,000	1,204,700	1,219,841
--------------------------------	-----------	-----------	-----------	-----------

<b>Total Appropriations</b>	11,981,000	12,340,000	16,380,057	18,238,510
-----------------------------	------------	------------	------------	------------

**Ramsey/Washington Recycling & Energy Board  
R&E Programs**

**LINE ITEM EXPLANATIONS**

(0)

**REVENUE EXPLANATIONS**

<u>Account Code</u>	<u>Account Name</u>	<u>2024 Approved</u>	<u>2025 Approved</u>	<u>2026 Approved</u>	<u>2027 Approved</u>
314103	Washington County	3,234,870	3,331,800	4,761,835	5,653,938
EXPLANATION:		Washington County 31% of Joint Activities Budget			
<u>Account Code</u>	<u>Account Name</u>	<u>2024 Approved</u>	<u>2025 Approved</u>	<u>2026 Approved</u>	<u>2027 Approved</u>
319110	Ramsey County	8,746,130	9,008,200	10,598,922	12,584,572
EXPLANATION:		Ramsey County 69% of Joint Activities Budget			
<u>Account Code</u>	<u>Account Name</u>	<u>2024 Approved</u>	<u>2025 Approved</u>	<u>2026 Approved</u>	<u>2027 Approved</u>
Fund Balance	Use of Fund Balance and 2025 Carryover	-	-	1,019,300	
EXPLANATION:		the R&E Board asked R&E to use Fund Balance and 2025 Carryover funds to bridge desired budget for 2026			
<b>Total Revenue</b>		<b>11,981,000</b>	<b>12,340,000</b>	<b>16,380,057</b>	<b>18,238,510</b>

**Ramsey/Washington Recycling & Energy Board  
Recycling & Energy Center - Facility**

<b>R&amp;E CENTER</b>	<b>2024 Approved Budget</b>	<b>2025 Approved Budget</b>	<b>2026 Approved Budget</b>	<b>2027 Approved Budget</b>
<b>APPROPRIATIONS:</b>				
Personnel Costs	12,102,800	12,849,900	13,351,833	14,030,874
Fuel Supply Agreements	6,385,535	6,626,800	-	-
RDF	-	-	7,144,760	7,206,792
Organics	-	-	861,771	3,266,349
Landfill	7,700,699	7,845,403	7,180,752	7,396,175
Compost	240,700	730,600	-	-
Transportation	9,136,776	9,862,200	9,734,296	10,065,132
Transload	2,862,300	3,035,300	3,126,359	3,220,150
Sortation	-	-	5,434,724	8,799,218
Facility Operations	10,512,200	10,946,800	11,264,947	11,602,145
Contingency	710,090	808,897	878,164	949,509
Enterprise Reserve Fund	1,500,000	1,500,000	1,500,000	1,500,000
Debt Services	3,873,600	4,868,800	4,870,695	4,868,876
Transfer to Equipment/Maintenance Fund: Additional Transfer -Approved/Proposed	300,000	300,000	300,000	300,000
<b>Total Appropriations</b>	<b>55,324,700</b>	<b>59,374,700</b>	<b>65,648,301</b>	<b>73,205,219</b>
<b>REVENUE:</b>				
Operations Revenue	55,324,700	59,374,700	65,648,301	73,205,219
	-	-	-	-
	-	-	-	-
	-	-	-	-
<b>Total Revenue</b>	<b>55,324,700</b>	<b>59,374,700</b>	<b>65,648,301</b>	<b>73,205,219</b>
<b>TOTAL</b>	<b>2024 Approved Budget</b>	<b>2025 Approved Budget</b>	<b>2026 Approved Budget</b>	<b>2027 Approved Budget</b>
Appropriations	55,324,700	59,374,700	65,648,301	73,205,219
Revenue	55,324,700	59,374,700	65,648,301	73,205,219
Surplus/(Deficit)	-	-	-	-

Notes:

- \*\* 2024 Approved Tipping Fee is \$121/ton
- \*\*\* 2025 Approved Tipping Fee is \$130/ton
- \*\*\*\* 2026 Proposed Tipping Fee is \$142/ton
- \*\*\*\*\* 2027 Proposed Tipping Fee is \$159/ton

**Ramsey/Washington Recycling & Energy Board  
Recycling & Energy Center - Facility**

		450,000	450,000	450,000	450,000
Tons Budget					
Account	Description	2024 Approved	2025 Approved	2026 Approved	2027 Approved
41xxxx	Salaries				
<b>APPROPRIATIONS:</b>					
<b>PERSONNEL COSTS</b>					
411101	Staff Non Union- Salary	2,434,800	2,629,700	2,685,181	2,838,755
411103	Temporary Staff	50,000	50,000	50,000	50,000
411201	PERA - Non Union Staff	182,400	197,200	201,389	212,907
411202	Fica - OASDI	482,600	506,300	545,857	570,461
411203	FICA - HI	125,500	131,900	136,464	142,615
411301	Health & Dental Ins	438,900	474,800	564,720	684,180
411306	Life Ins	3,000	3,200	2,160	2,215
411307	Long Term Disability Ins	2,900	3,100	2,075	2,129
411115	Staff Union - Salary	6,443,100	6,736,100	6,985,035	7,261,476
411412	Staff - Union Fringe	1,856,400	2,012,400	2,058,750	2,125,500
411201	PERA - Union Staff	483,200	505,200	520,203	540,636
411111	Vacancy Factor	(400,000)	(400,000)	(400,000)	(400,000)
421519	Contracted Labor	-	-	-	-
	<b>Total Personnel Costs</b>	<b>12,102,800</b>	<b>12,849,900</b>	<b>13,351,833</b>	<b>14,030,874</b>
	Subtotal	12,102,800	12,849,900	13,351,833	14,030,874
0		0	-	-	-
<b>FUEL SUPPLY</b>					
424515	NSP Fuel Supply Agreement	6,385,535	6,626,800	7,144,760	7,206,792
	<b>Total Fuel Supply</b>	<b>6,385,535</b>	<b>6,626,800</b>	<b>7,144,760</b>	<b>7,206,792</b>
<b>LANDFILL</b>					
424517	Landfill	7,700,699	7,845,403	7,180,752	7,396,175
	<b>Total Landfill</b>	<b>7,700,699</b>	<b>7,845,403</b>	<b>7,180,752</b>	<b>7,396,175</b>
<b>ORGANICS PROCESSING</b>					
424xxx	Organics Processing	-	-	861,771	3,266,349
	<b>Total Organics Processing</b>	<b>-</b>	<b>-</b>	<b>861,771</b>	<b>3,266,349</b>
<b>SORTATION</b>					
424xxx	Sortation	-	-	5,434,724	8,799,218
	<b>Total Sortation</b>	<b>-</b>	<b>-</b>	<b>5,434,724</b>	<b>8,799,218</b>
<b>Compost</b>					
422304	Compost	240,700	730,600	-	-
	<b>Total Compost</b>	<b>240,700</b>	<b>730,600</b>	<b>-</b>	<b>-</b>
<b>TRANSPORTATION</b>					
424513	Transportation	9,136,776	9,862,200	9,734,296	10,065,132
	<b>Total Transportation</b>	<b>9,136,776</b>	<b>9,862,200</b>	<b>9,734,296</b>	<b>10,065,132</b>
<b>TRANSLoad</b>					
424514	Transload Fee	2,862,300	3,035,300	3,126,359	3,220,150
	<b>Total Transload</b>	<b>2,862,300</b>	<b>3,035,300</b>	<b>3,126,359</b>	<b>3,220,150</b>
<b>FACILITY OPERATIONS</b>					
421112	Credit Card Fees	500	500	515	530
421401	Computer Support Contracts	12,000	12,000	12,360	12,731
421301	Medical Services	22,000	22,000	22,660	23,340
421402	Telecommunication	14,600	15,500	15,965	16,444
421405	Computer Software License	47,000	49,900	51,397	52,939
421501	Consulting Services	116,500	116,500	119,995	123,595
421519	Contracted Services	400,000	400,000	412,000	424,360
421522	Other Professional Srvs	542,300	574,800	592,044	609,805

**SUBJECT: Approval of 2027 Budgets**

421525	Recruitment Services	16,000	16,000	16,480	16,974
421603	Printing	3,300	3,500	3,605	3,713
421701	Postage	1,500	1,500	1,545	1,591
422101	Building & Structures Repair	141,300	149,800	154,294	158,923
422109	Fire Systems Inspection	102,000	108,100	111,343	114,683
422203	Janitorial Service	58,600	62,100	10,000	10,000
422301	Gas	94,000	94,000	96,820	99,725
422302	Electricity	1,292,100	1,292,100	1,330,863	1,370,789
422303	Water Sewer	41,700	42,000	43,260	44,558
422601	Equipment & Machinery Repairs	748,900	793,800	817,614	842,142
422602	Data Proc Equip Main	7,400	7,800	8,034	8,275
422705	Trailer Repairs	674,000	714,400	735,832	757,907
422801	Grounds-Repairs	87,400	92,600	95,378	98,239
422802	Snow Removal	52,300	55,400	57,062	58,774
422811	Pest & Rodent Control	15,600	16,500	16,995	17,505
422813	Security Services	338,000	358,300	369,049	380,120
423110	On the Job Training Services	47,500	50,400	51,912	53,469
423111	Employee Development	93,300	93,300	96,099	98,982
424101	Automobile Truck Ins	71,600	78,800	81,164	83,599
424103	Workers Compensation Ins	287,100	315,800	325,274	335,032
424107	Liability & Property Damage	2,075,300	2,140,400	2,204,612	2,270,750
424110	Public Liability Ins	19,300	21,200	21,836	22,491
424112	Multi Cover Ins	240,700	264,800	272,744	280,926
424201	Payment in Lieu of Taxes	184,800	184,800	212,003	218,363
424302	Membership Dues	2,000	2,000	2,060	2,122
424303	Conference Seminar	12,300	12,300	12,669	13,049
424305	Meeting Exp	2,500	2,500	2,575	2,652
424501	Mileage	4,700	4,700	4,841	4,986
424507	Messenger Service	500	500	515	530
424508	Armored Car Services	3,600	3,600	3,708	3,819
424602	Special Programs/Awards	5,000	5,000	5,150	5,305
424607	Licensing Fee	5,300	5,300	5,459	5,623
471101	Contingency/Appropriations	2,210,090	2,308,897	2,378,164	2,449,509
431101	Office Supplies	5,400	5,700	45,871	47,247
431102	Computer Operating Supplies	-	-	15,000	15,000
431104	Oils Lubricants Etc.	112,800	119,600	123,188	126,884
431105	Uniforms and Clothing	124,900	132,300	136,269	140,357
431205	First Aid Supplies	45,900	48,700	50,161	51,666
431508	Equipment Parts & Supplies	1,605,700	1,702,000	1,753,060	1,805,652
431604	Diesel Fuel	270,800	287,000	180,000	185,400
431702	Small Tools and Safety Equip	20,500	21,800	22,454	23,128
431902	Shop Materials & Supplies	57,600	61,100	62,933	64,821
443301	Computer Equipment	76,000	76,000	78,280	80,628
541101	Remittance To State	173,500	173,500	200,000	206,000
541106	County CEC	134,600	134,600	200,000	206,000
<b>Total Facility Operations</b>		<b>12,722,290</b>	<b>13,255,697</b>	<b>13,643,111</b>	<b>14,051,654</b>
Subtotal		2,319,600	2,454,200	2,467,216	2,540,782
		-	-	-	-
<b>DEBT SERVICES</b>					
501101	Principal Payment	2,427,600	3,501,200	3,585,343	3,669,862
502101	Interest Payment	1,446,000	1,367,600	1,285,352	1,199,014
<b>Total Debt Services</b>		<b>3,873,600</b>	<b>4,868,800</b>	<b>4,870,695</b>	<b>4,868,876</b>
<b>TRANSFER TO</b>					
<b>EQUIPMENT/MAINTENANCE</b>					
<b>FUND</b>					
481110	Additional Transfer -Approved/Proposed	300,000	300,000	300,000	300,000
<b>Total Transfer To Equipment/Maintenance Fund</b>		<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>
541101	Remittance To State	173,500	173,500	200,000	206,000
Subtotal		4,181,700	5,176,900	5,270,695	5,280,876
		-	-	-	-
Total Facility		55,324,700	59,809,700	65,648,301	73,205,219
		-	-	-	-
<b>Total Appropriations</b>		<b>55,324,700</b>	<b>59,374,700</b>	<b>65,648,301</b>	<b>73,205,219</b>

**SUBJECT: Approval of 2027 Budgets**

**REVENUE:**

		-	-		
Facility Revenue		-	-		
311766	Tipping Fee	53,905,500	57,915,000	64,071,153	71,589,756
311767	Tipping Fee Special	251,600	251,600	259,148	266,922
311768	Tipping Fee Private	544,500	585,000	602,550	620,627
317321	Sale of Recyclable Materials	-	-	-	-
319103	Recovery- Current Yr Exp	15,000	15,000	15,450	15,914
353152	Solid Waste Management Tax	173,500	173,500	200,000	206,000
318102	Interest	300,000	300,000	300,000	300,000
311539	County CEC	134,600	134,600	200,000	206,000
319102	Enhancement Project Reimbursable Revenue	-	-	-	-
319102	2020 Joint Activities Fund Balance Transfer	-	-	-	-
319102	2020 Facility Surplus	-	-	-	-
	<b>Total Revenue</b>	<b>55,324,700</b>	<b>59,374,700</b>	<b>65,648,301</b>	<b>73,205,219</b>
	Surplus/(Deficit)	-	-	-	-

## Ramsey/Washington Recycling & Energy Board Recycling & Energy Center - Facility

**LINE ITEM EXPLANATIONS**

**APPROPRIATIONS EXPLANATIONS**

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411101	Staff Non Union- Salary	2,434,800	2,629,700	2,685,181	2,838,755

EXPLANATION: Compensation for permanent full-time and permanent part-time Non Union employees.

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411103	Temporary Staff	50,000	50,000	50,000	50,000

EXPLANATION: Compensation for temporary full-time and temporary part-time Union employees.

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411201	PERA - Non Union Staff	182,400	197,200	201,389	212,907

EXPLANATION: PERA rate calculation at 7.5% of Staff Non Union Salary

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411202	Fica - OASDI	482,600	506,300	545,857	570,461
0		0	-	-	-

EXPLANATION: Fica - OASDI is calculated at 6.2% of Staff Non Union Salary

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411203	FICA - HI	125,500	131,900	136,464	142,615

EXPLANATION: Fica - HI is calculated at 1.45% of Staff Non Union Salary

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411301	Health & Dental Ins	438,900	474,800	564,720	684,180

EXPLANATION: Health & Dental Insurance is paid for Staff Non Union

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411306	Life Ins	3,000	3,200	2,160	2,215

EXPLANATION: Life Insurance is paid up to a maximum of \$50,000 or 1 times an employee's salary for Staff Non Union

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411307	Long Term Disability Ins	2,900	3,100	2,075	2,129

EXPLANATION: Long Term Disability Insurance for Staff Non Union

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411115	Staff Union - Salary	6,443,100	6,736,100	6,985,035	7,261,476

EXPLANATION: Compensation for permanent full-time and permanent part-time Union employees

## Ramsey/Washington Recycling & Energy Board Recycling & Energy Center - Facility

**LINE ITEM EXPLANATIONS**

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411111	Vacancy Factor	(400,000)	(400,000)	(400,000)	(400,000)

EXPLANATION: Accounts for vacant positions

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411412	Staff - Union Fringe	1,856,400	2,012,400	2,058,750	2,125,500

EXPLANATION: Fringes for permanent full-time and permanent part-time Union employees

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
411201	PERA - Union Staff	483,200	505,200	520,203	540,636

EXPLANATION: PERA rate calculation at 7.5% of Staff Union Salary

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421112	Credit Card Fees	500	500	515	530

EXPLANATION: Monthly bank fees and credit card fees

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421301	Medical Services	22,000	22,000	22,660	23,340

EXPLANATION: Medical Services

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421401	Computer Support Contracts	12,000	12,000	12,360	12,731

EXPLANATION: Ramsey County IS

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421402	Telecommunication	14,600	15,500	15,965	16,444

EXPLANATION: Verizon, Internet, misc

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421405	Computer Software License	47,000	49,900	51,397	52,939

EXPLANATION: Control room computer software, MP2, Paradigm, digital signage, and fleet management

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421501	Consulting Services	116,500	116,500	103,000	106,090
421501					

EXPLANATION: Consulting Services Labor Relations 100,000 100,000 103,000 106,090  
 Consulting Services IS Superior Services - - - -  
 Consultant - Risk Management 16,500 16,500 - -

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
421519	Contracted Services	400,000	400,000	412,000	424,360



## Ramsey/Washington Recycling & Energy Board Recycling & Energy Center - Facility

**LINE ITEM EXPLANATIONS**

422303	Water Sewer	41,700	42,000	43,260	44,558
--------	-------------	--------	--------	--------	--------

EXPLANATION: Utilities - water/sewer

		2024	2025	2026	2027
Account Code	Account Name	Approved	Approved	Approved	Approved
422601	Equipment & Machinery Repairs	748,900	793,800	817,614	842,142

EXPLANATION: Repairs to Work Platforms, Forklifts, Front End Loaders, Backhoes, Yard Tractors, Skid Steers, Scale Maintenance, Air Compressors, Air Knife, Compactors, Belt Conveyors, Apron Conveyors, Disc Screens, Flail Mills, Grapple Cranes, Secondary Shredders, Magnetic Separators, Dust Control, Conveyor Belts, Spin Roller Replacement

		2024	2025	2026	2027
Account Code	Account Name	Approved	Approved	Approved	Approved
422602	Data Proc Equip Main	7,400	7,800	8,034	8,275

EXPLANATION: Copiers

		2024	2025	2026	2027
Account Code	Account Name	Approved	Approved	Approved	Approved
422705	Trailer Repairs	674,000	714,400	735,832	757,907

EXPLANATION: Repairs to trailers, tires, and trailer tracking system

		2024	2025	2026	2027
Account Code	Account Name	Approved	Approved	Approved	Approved
422801	Grounds-Repairs	87,400	92,600	95,378	98,239

EXPLANATION: Lawn care, street sweeping, paving - patch work and sealing cracks

		2024	2025	2026	2027
Account Code	Account Name	Approved	Approved	Approved	Approved
422802	Snow Removal	52,300	55,400	57,062	58,774

EXPLANATION: Snow removal

		2024	2025	2026	2027
Account Code	Account Name	Approved	Approved	Approved	Approved
422811	Pest & Rodent Control	15,600	16,500	16,995	17,505

EXPLANATION: Pest & rodent control

		2024	2025	2026	2027
Account Code	Account Name	Approved	Approved	Approved	Approved
422813	Security Services	338,000	358,300	369,049	380,120

EXPLANATION: Security contract for R&E Center that provides security services and scale house operations on overnights and weekends

		2024	2025	2026	2027
Account Code	Account Name	Approved	Approved	Approved	Approved
423110	On the Job Training Services	47,500	50,400	51,912	53,469

EXPLANATION: New employee screening/physicals, misc. purchases for facility.

		2024	2025	2026	2027
Account Code	Account Name	Approved	Approved	Approved	Approved
423111	Employee Development	93,300	93,300	96,099	98,982

EXPLANATION: R&E staff development and training

## Ramsey/Washington Recycling & Energy Board Recycling & Energy Center - Facility

**LINE ITEM EXPLANATIONS**

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424101	Automobile Truck Ins	71,600	78,800	81,164	83,599

EXPLANATION: This insurance policy covers vehicles owned by the R&E Center. The amount determined by Risk Management Consultant

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424103	Workers Compensation Ins	287,100	315,800	325,274	335,032

EXPLANATION: This insurance policy covers losses due to employee injury. The amount determined by Risk Management Consultant

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424107	Liability &Property Damage	2,075,300	2,140,400	2,204,612	2,270,750

EXPLANATION: This insurance policy covers losses to property damage at the R&E Center. The amount determined by Risk Management Consultant

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424110	Public Liability Ins	19,300	21,200	21,836	22,491

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424112	Multi Cover Ins	240,700	264,800	272,744	280,926

EXPLANATION: This insurance policy covers the R&E Center. The amount is determined by Risk Management Consultant

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424201	Payment in Lieu of Taxes	184,800	184,800	212,003	218,363

EXPLANATION: 2026 and 2027 are estimates because the tax rates are not known until Washington County approves their budgets in December.

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424302	Membership Dues	2,000	2,000	2,060	2,122

EXPLANATION: Newspaper, Minnesota Safety Council membership

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424303	Conference Seminar	12,300	12,300	12,669	13,049

EXPLANATION: Conferences and site visits for R&E staff

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424305	Meeting Exp	2,500	2,500	2,575	2,652

EXPLANATION: Expenses related to R&E Center meetings

## Ramsey/Washington Recycling & Energy Board Recycling & Energy Center - Facility

**LINE ITEM EXPLANATIONS**

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424501	Mileage	4,700	4,700	4,841	4,986

EXPLANATION: Parking/Mileage paid to employees based on IRS reimbursement rate

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424507	Messenger Service	500	500	515	530

EXPLANATION: Courier services

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424508	Armored Car Services	3,600 #	3,600	3,708	3,819

EXPLANATION: Cash collection service at the R&E Center

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424513	Transportation	9,136,776	9,862,200	9,734,296	10,065,132

EXPLANATION: Contracted costs for trucking firms to transport material to various destinations, such as metal markets, Xcel energy facilities, and landfills.

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424514	Transload Fee	2,862,300	3,035,300	3,126,359	3,220,150

EXPLANATION: Fees paid to transfer station operators to receive, weigh, and manage MSW delivered to their facilities by licensed haulers with a waste delivery agreement with the R&E Board as well as self-haulers delivering acceptable waste generated in Ramsey County or Washington County

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424515	NSP Fuel Supply Agreement	6,385,535	6,626,800	6,709,760	6,771,792

EXPLANATION: Expenses associated with marketing of refuse derived fuel (RDF) to Xcel Energy, pursuant to a Fuel Supply Agreement.

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424515	Environmental Fee	-	435,000	435,000	435,000

EXPLANATION: Expenses associated with marketing of refuse derived fuel (RDF) to GRE in Elk River

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424xxx	Organics Processing	-	-	861,771	3,266,349

EXPLANATION: Expenses associated with Organics Processing

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424xxx	Sortation	-	-	5,434,724	8,799,218

EXPLANATION: Expenses associated with Sortation

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424517	Landfill	7,700,699	7,845,403	7,180,752	7,396,175

## Ramsey/Washington Recycling & Energy Board Recycling & Energy Center - Facility

**LINE ITEM EXPLANATIONS**

EXPLANATION: Contracted costs to deposit residue, bulky waste and excess waste at landfills.

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
422304	Compost	240,700	730,600	-	-

EXPLANATION: Costs associated with food scrap bags and composting

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424602	Special Programs/Awards	5,000	5,000	5,150	5,305

EXPLANATION: Annual hauler appreciation event

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
424607	Licensing Fee	5,300	5,300	5,459	5,623

EXPLANATION: Licensing and Permit fees.

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
431101	Office Supplies	5,400	5,700	45,871	47,247

EXPLANATION: This account includes all basic office supplies for staff. Most office supply items are consumable and must be replenished.

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
431104	Oils Lubricants Etc.	112,800	119,600	123,188	126,884

EXPLANATION: Oil lubricant supplies

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
431105	Uniforms and Clothing	124,900	132,300	136,269	140,357

EXPLANATION: Staff uniforms and clothing. Costs include boots, winter clothing, hard hats, gloves, and glasses

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
431205	First Aid Supplies	45,900	48,700	50,161	51,666

EXPLANATION: Safety supplies

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
431508	Equipment Parts & Supplies	1,605,700	1,702,000	1,753,060	1,805,652

EXPLANATION: Tires and other equipment parts, Welding, Bolts, Fasteners, Hoses, Chisels, Radio Equipment, annual electrical/ARC Flash maintenance

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
431604	Diesel Fuel	270,800	287,000	180,000	185,400

EXPLANATION: Fuel costs for running equipment at the R&E Center

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
431702	Small Tools and Safety Equip	20,500	21,800	22,454	23,128

EXPLANATION: Replacing worn out tools

**SUBJECT: Approval of 2027 Budgets**

**Ramsey/Washington Recycling & Energy Board  
Recycling & Energy Center - Facility**

**LINE ITEM EXPLANATIONS**

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
431902	Shop Materials & Supplies	57,600	61,100	62,933	64,821

EXPLANATION: Safety mats, towels, misc shop materials and supplies

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
443301	Computer Equipment	76,000	76,000	78,280	80,628

EXPLANATION: Computer and monitor replacements

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
471101	Contingency/Appropriations	2,210,090	2,308,897	2,378,164	2,449,509
EXPLANATION:	Contingency due to uncertainty of operations	710,090	808,897	878,164	949,509
	Enterprise Reserve Fund (ERF)	1,500,000	1,500,000	1,500,000	1,500,000

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
481110	Transfers to Other Funds	300,000	300,000	300,000	300,000

EXPLANATION: Additional Transfer to EM&R Budget

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
501101	Principal Payment	2,427,600	3,501,200	3,585,343	3,669,862

EXPLANATION: Debt principal payments made to Ramsey County and Washington County.  
Includes purchase of R&E Center, Administration Building/RDF Buildout loan, and Enhancement Building

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
502101	Interest Payment	1,446,000	1,367,600	1,285,352	1,199,014

EXPLANATION: Debt interest payments made to Ramsey County and Washington County.

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
541101	Remittance To State	173,500	173,500	200,000	206,000
	Subtotal	4,181,700	5,176,900	5,270,695	5,280,876
		#REF!	#REF!	#REF!	#REF!
		-	-	-	-

EXPLANATION: Payments to MN Department of Revenue for SWM Tax.

<b>Account Code</b>	<b>Account Name</b>	<b>2024 Approved</b>	<b>2025 Approved</b>	<b>2026 Approved</b>	<b>2027 Approved</b>
541106	County CEC	134,600	134,600	200,000	206,000

EXPLANATION: County CEC tax collected from non-license haulers and citizens.

## Ramsey/Washington Recycling & Energy Board Recycling & Energy Center - Facility

**LINE ITEM EXPLANATIONS**

Total Expenditure	55,699,100	60,184,100	65,648,301	73,205,219
-------------------	------------	------------	------------	------------

**REVENUE EXPLANATIONS**

Facility Revenue

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
311766	Tipping Fee	53,905,500	57,915,000	64,071,153	71,589,756

EXPLANATION: Fee charging haulers. 2025 fee is \$130/ton, 2026 fee is \$142/ton, 2027 fee is \$159/ton

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
311767	Tipping Fee Special	251,600	251,600	259,148	266,922

EXPLANATION: Special Fees for certain items like tires, mattresses, etc.

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
311768	Tipping Fee Private	544,500	585,000	602,550	620,627

EXPLANATION: Special fees charged to citizens and unlicensed self haulers

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
311539	County CEC	134,600	134,600	200,000	206,000

EXPLANATION: Revenue associated with collecting Ramsey and Washington counties County Environmental Charge

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
319103	Recovery- Current Yr Exp	15,000	15,000	15,450	15,914

EXPLANATION: Recovery of current year expense

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
353152	Solid Waste Management Tax	173,500	173,500	200,000	206,000

EXPLANATION: R&E Center must collect the Solid Waste Management Tax (SWMT) from self-haulers who have a waste delivery agreement but not filed an SWMT exemption certificate with the R&E Center

Account Code	Account Name	2024 Approved	2025 Approved	2026 Approved	2027 Approved
318102	Interest	300,000	300,000	300,000	300,000

EXPLANATION: Interest revenue

**SUBJECT: Approval of 2027 Budgets**

**Ramsey/Washington Recycling & Energy Board  
Recycling and Energy Center - Equipment Maintenance Fund**

<b>EQUIPMENT/MAINTENANCE</b>	<b>2024 Approved Budget</b>	<b>2025 Approved Budget</b>	<b>2026 Approved Budget</b>	<b>2027 Approved Budget</b>	<b>Change in Budget</b>
<b>APPROPRIATIONS:</b>					
Equipment	795,000	1,270,000	1,491,600	993,848	(497,752)
Maintenance	1,300,000	1,799,251	1,000,000	2,790,000	1,790,000
Total Appropriations	<u>2,095,000</u>	<u>3,069,251</u>	<u>2,491,600</u>	<u>3,783,848</u>	<u>1,292,248</u>
<b>REVENUE:</b>					
Sale of Recyclable Materials	1,780,000	1,780,000	1,650,000	1,650,000	-
Additional Transfer - Proposed	300,000	300,000	300,000	300,000	-
Total Revenue	<u>2,080,000</u>	<u>2,080,000</u>	<u>1,950,000</u>	<u>1,950,000</u>	<u>-</u>
<b>TOTAL</b>					
Appropriations	2,095,000	3,069,251	2,491,600	3,783,848	1,292,248
Revenue/Fund Balance Transfer	2,080,000	2,080,000	1,950,000	1,950,000	-
Reserve for Future Years	<u>(15,000)</u>	<u>(989,251)</u>	<u>(541,600)</u>	<u>(1,833,848)</u>	<u>(1,292,248)</u>
Cumulative Reserve	2,789,260	6,036,529	8,099,181	6,265,333	-

**Ramsey/Washington Recycling & Energy Board**  
**Recycling & Energy Center - Equipment & Maintenance Fund**

---

**LINE ITEM EXPLANATIONS**

**APPROPRIATIONS EXPLANATIONS**

Account Code	Account Name	2024 Approved Budget	2025 Approved Budget	2026 Approved Budget	2027 Approved Budget	Change in Budget
441201	Equipment	795,000	1,270,000	1,491,600	993,848	(497,752)

EXPLANATION: These items meet the threshold for capitalization

Account Code	Account Name	2024 Approved Budget	2025 Approved Budget	2026 Approved Budget	2027 Approved Budget	Change in Budget
443101	Maintenance	1,300,000	1,799,251	1,000,000	2,790,000	1,790,000

EXPLANATION: These items are just maintenance

**REVENUE EXPLANATIONS**

Account Code	Account Name	2024 Approved Budget	2025 Approved Budget	2026 Approved Budget	2027 Approved Budget	Change in Budget
317321	Sale of Recyclable Materials	1,780,000	1,780,000	1,650,000	1,650,000	-

EXPLANATION: Board Resolution R&EB-2017-3 approves the use of revenue from the sale of recyclable material to support the Equipment & Maintenance Fund

Account Code	Account Name	2024 Approved Budget	2025 Approved Budget	2026 Approved Budget	2027 Approved Budget	Change in Budget
341208	Additional Transfer - Proposed	300,000	300,000	300,000	300,000	-

EXPLANATION: Additional Board Proposed Transfer

**SUBJECT: Approval of 2027 Budgets**

Capital Expense and Repair/Maintenance Expense Estimates - 6 years - 2026 thru 2030

Estimates based on past expense for similar projects/purchases

Capital Improvements -Equipment/Maintenance Fund	2024	2025	2026	2027	2028	2029	2030
Replace Mobile Equipment - Aluminum Walking Floor RDF Trailers	\$ 720,000	\$ 720,000	\$ 741,600	\$ 763,848	\$ 786,763	\$ 810,366	\$ 834,677
Cyclones/Dust Collection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Front End Loader (rebuild)- Includes 1 set of tires at \$45k	\$ -	\$ 779,251	\$ 400,000	\$ -	\$ 500,000	\$ 500,000	\$ 500,000
MO20A- (Flat in feed conveyer before MO22A, MSW is loaded on this conveyer from tipping floor)- Complete rebuild every 5 years.	\$ -	\$ -	\$ -	\$ 350,000			
Yard Tractor	\$ -	\$ 150,000	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000
Secondary Disc Screen Rebuild- Every other year rebuild. Based off of last 2 purchases they have increased 5-6K per set.	\$ -	\$ 120,000	\$ -	\$ 140,000	\$ -	\$ -	
Scale house remodel							
Tipping Floor	\$ 50,000	\$ 50,000	\$ 75,000	\$ 75,000	\$ 1,200,000	\$ -	\$ 75,000
Camera system PLC upgrade					\$ 150,000		
Oil and Water Separator	\$ -	\$ -					
Bailer Relining	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -	
Primary Disc Screen Rebuild	\$ 350,000	\$ -	\$ 40,000	\$ 450,000			
Parking Lot Resurfacing	\$ 250,000	\$ -	\$ 50,000	\$ 75,000	\$ -	\$ -	
Flail Roof Area/Replacement	\$ 250,000	\$ -	\$ 50,000				
DC Drives for Primary Disk Screens	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	
C9's Retro	\$ 100,000	\$ -	\$ 75,000	\$ -	\$ -	\$ -	
Control Room Computers and Upgrade Software - needs to be done every 3 to 4 years.	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	
Skid Loader	\$ 75,000	\$ -	\$ -	\$ 80,000	\$ -	\$ -	\$ 90,000
Backhoe	\$ -	\$ -	\$ 150,000				
MO22A- (Horizontal In feed Conveyer)- Complete rebuild every 3 years.	\$ -	\$ 600,000	\$ -	\$ -	\$ 600,000	\$ 450,000	
Dust Control System Turn Trailer	\$ -	\$ -					
2nd floor HVAC	\$ -	\$ -					
DCB Infeed Rebuild	\$ -	\$ -				\$ 750,000	
MO22B- (Horizontal In feed Conveyer)- Complete rebuild every 3 years.	\$ -	\$ 600,000	\$ -	\$ -	\$ 600,000	\$ 450,000	
OBW Rotors and Pumps	\$ -		\$ 100,000	\$ -	\$ 125,000	\$ 125,000	
MO20B-(Flat in feed conveyer before MO22A, MSW is loaded on this conveyer from tipping floor)- Complete rebuild every 5 years.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Radiation Detector	\$ -	\$ -					
C1 Tail Upgrade	\$ -						
Dust Control Replacement	\$ -	\$ -					
Flail Mill Grate Cradles	\$ -	\$ -					
Tipping floor wall repair	\$ 50,000	\$ 50,000	\$ 50,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
New Scales for the Scale House			\$ 300,000				
Additional Tipping Floor Wall Repair, East Wall			\$ 50,000	\$ 50,000			
New Flail Housings			\$ 50,000	\$ 1,500,000	\$ 1,200,000		
Scale house remodel				\$ 75,000			
Fork Truck Replacement			\$ 75,000				
Update Head Pulleys with controls			\$ 100,000				
C6 Scales 2026			\$ 100,000				
Loader Purchase					\$ 600,000		

**SUBJECT: Approval of 2027 Budgets**

Vent Fan			\$ 75,000				
Replace MCC-1A and MCC-1B							
<b>Total</b>	\$ 2,095,000	\$ 3,069,251	\$ 2,491,600	\$ 3,783,848	\$ 5,836,763	\$ 3,160,366	\$ 1,724,677

Beginning Cumulative Reserve	\$ 2,804,260	\$ 7,025,780	\$ 8,640,781	\$ 8,099,181	\$ 6,265,333	\$ 2,508,570	\$ 1,428,203
Revenue from Recyclables	\$ 1,780,000	\$ 1,780,000	\$ 1,650,000	\$ 1,650,000	\$ 1,780,000	\$ 1,780,000	\$ 1,780,000
Additional Board Approved Transfer	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
Ending Cumulative Reserve	\$ 2,789,260	\$ 6,036,529	\$ 8,099,181	\$ 6,265,333	\$ 2,508,570	\$ 1,428,203	\$ 1,783,526



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

<b>R&amp;E BOARD MEETING DATE:</b>	May 28, 2026			<b>AGENDA ITEM:</b>	VI.b			
<b>SUBJECT:</b>	Minnesota GreenCorps Agreement							
<b>TYPE OF ITEM:</b>	<input type="checkbox"/>	INFORMATION	<input type="checkbox"/>	POLICY DISCUSSION	<input checked="" type="checkbox"/>	ACTION	<input type="checkbox"/>	CONSENT
<b>SUBMITTED BY:</b>	Trista Martinson, R&E Executive Director							

**R&E BOARD ACTION REQUESTED:**

Authorize the executive director to finalize and execute an agreement with the Minnesota Pollution Control Agency (MPCA) that allows R&E to be a host site for a 2026-2027 Minnesota GreenCorps member.

**EXECUTIVE SUMMARY:**

Minnesota GreenCorps is an AmeriCorps program coordinated by the MPCA designed to preserve and protect Minnesota’s environment while training a new generation of environmental professionals. The program places members with host organizations around the state to increase community resilience by:

- Reducing air pollutants and improving air quality.
- Reducing water runoff and improving water and land quality.
- Preventing waste and increasing recycling.
- Encouraging eco-friendly behavior.

Funding for Minnesota GreenCorps is provided through a combination of resources from AmeriCorps, ServeMinnesota and the MPCA, along with local in-kind support.

Ramsey/Washington Recycling & Energy (R&E) applied to become a host site for the 2026-2027 Minnesota GreenCorps program and has received preliminary approval from the MPCA. Final approval is contingent on federal funding for the program, which is expected to be announced in June 2026. If approved and successfully matched with a Minnesota GreenCorps member, R&E intends to have that individual support food waste prevention and food scrap recycling work. Food waste is a high priority area for R&E and added capacity through Minnesota GreenCorps will allow R&E to do more to address food waste while also providing the member with valuable experience in the waste industry.

**ALIGNMENT WITH STRATEGIC PLAN:**

Strategic Goal 2B: Effective organics programming (prevention, recovery, recycling) that meets the needs of community and minimizes landfilled food.



**ATTACHMENTS:**

1. Draft Resolution (R&EB-2026-10)

**SUBJECT:** *Minnesota GreenCorps Agreement*

**FINANCIAL IMPLICATIONS:**

Costs associated with hosting a Minnesota GreenCorps member are minimal, and funds are available in the 2026-2027 R&E Programs Budget.

<b>AUTHORIZED SIGNATURES</b>	<b>DATE</b>
<b>R&amp;E EXECUTIVE DIRECTOR</b> 	5/21/26
<b>WASHINGTON COUNTY ATTORNEY</b> 	5/21/26



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

**RESOLUTION R&EB-2026-09  
Minnesota GreenCorps Agreement**

WHEREAS, The Ramsey/Washington Recycling & Energy Board (R&E Board) is governed by the Amended and Restated Joint Powers Agreement by and between Ramsey County and Washington County dated November 12, 2024 (Joint Powers Agreement); and

WHEREAS, Ramsey and Washington Counties have committed to continue to protect and ensure the public health, safety, welfare and environment of each County's residents and businesses through sound management of solid and hazardous waste generated in each County; and

WHEREAS, The R&E Board's core values for all employees and volunteers include commitment, teamwork, respect, trust and innovation; and

WHEREAS, The R&E Board recognizes the opportunity for developing these core values within the future waste industry workforce; and

WHEREAS, The Minnesota Pollution Control Agency (MPCA) administers the Minnesota GreenCorps that provides opportunities for individuals to gain experience in various environmental careers, including solid waste and recycling; and

WHEREAS, The R&E Board's bylaws provide specific direction on employees, including direction to the executive director to hire and supervise staff and to develop employee policies for R&E staff; and

WHEREAS, The R&E Board has applied to host a Minnesota GreenCorps member for the 2026-2027 program year; and

WHEREAS, The MPCA requires that the R&E Board enter into a host site agreement with the MPCA that identifies the terms, conditions, roles and responsibilities; NOW, THEREFORE, BE IT

RESOLVED, The R&E Board hereby agrees to enter into and sign a host site agreement with the MPCA to carry out the member activities specified therein and to comply with all the terms, conditions and matching provisions of the host site agreement and authorizes and directs the executive director to sign the agreement on its behalf.

---

Mary Jo McGuire, Board Chair  
May 28, 2026

---

Attest  
May 28, 2026



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

<b>R&amp;E BOARD MEETING DATE:</b>	May 28, 2026			<b>AGENDA ITEM:</b>	VI.c			
<b>SUBJECT:</b>	Control Systems Maintenance and Engineering Contract							
<b>TYPE OF ITEM:</b>	<input type="checkbox"/>	INFORMATION	<input type="checkbox"/>	POLICY DISCUSSION	<input checked="" type="checkbox"/>	ACTION	<input type="checkbox"/>	CONSENT
<b>SUBMITTED BY:</b>	Trista Martinson, R&E Executive Director							

**R&E BOARD ACTION REQUESTED:**

Approve entering into an agreement with Toltz, King, Duvall, Anderson and Associates Incorporated d/b/a TKDA, and any amendments thereto, for an initial term of June 1, 2026 through December 31, 2026, with the possibility of renewals totaling a five-year term, and delegate authority to the executive director to execute the agreement and potential amendments, upon approval as to form by R&E’s attorney and provided that funding is available in the approved budgets.

**EXECUTIVE SUMMARY:**

Toltz, King, Duvall, Anderson and Associates Incorporated d/b/a TKDA has been providing facility control engineering and maintenance services to R&E since at least 2018. Their institutional knowledge of R&E’s facility control systems makes them a critical provider to maintain consistent operations at the R&E facility. Historically, the annual spend for TKDA to provide these services has fallen below the \$175,000 threshold, allowing this contract to be signed using delegated authority; however, because of the ongoing work being performed on the food scrap bag sortation building to maximize its performance and the capture of food scrap bags, R&E has been spending additional funds on facility management engineering services, and entering into the contract with TKDA now requires R&E Board approval.

**ALIGNMENT WITH STRATEGIC PLAN:**

Strategic Initiative 3A.ii. Continue to operate an industry-leading waste processing facility and innovate for increased landfill diversion.

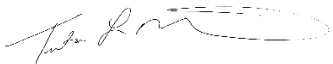

**ATTACHMENTS:**

1. Draft Resolution (R&EB-2026-11)

**FINANCIAL IMPLICATIONS:**

None. Funds are built into the current budget for TKDA.

**SUBJECT:** *Control Systems Maintenance and Engineering Contract*

<b>AUTHORIZED SIGNATURES</b>	<b>DATE</b>
<b>R&amp;E EXECUTIVE DIRECTOR</b>	 5/21/26
<b>WASHINGTON COUNTY ATTORNEY</b>	 5/21/26



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

**DRAFT RESOLUTION R&EB-2026-11  
CONTROL SYSTEMS MAINTENANCE AND ENGINEERING CONTRACT**

WHEREAS, The Ramsey/Washington Recycling & Energy Board (R&E Board) is governed by the Amended and Restated Joint Powers Agreement by and between Ramsey County and Washington County dated November 12, 2024 (Joint Powers Agreement); and

WHEREAS, The R&E Board adopted Procurement Guidelines on January 23, 2025 (Resolution R&EB-2025-01), which specify the procurement methods for contracts and purchases; and

WHEREAS, The R&E Board approved the 2026-2027 Joint Activities, Facility and Equipment Maintenance & Replacement (EM&R) budgets on July 24, 2025, in accordance with Section V.B.8 of the Joint Powers Agreement; and

WHEREAS, R&E has a critical need for consistent and knowledgeable facility control engineering and maintenance services; and

WHEREAS, Toltz, King, Duvall, Anderson and Associates Incorporated d/b/a TKDA has been providing these services since at least 2018, and their institutional knowledge of R&E's facility control systems makes them a critical provider to maintain consistent operations at the R&E facility; and

WHEREAS, Historically, the annual spend on TKDA's contract has fallen below the \$175,000 threshold allowing for delegated contract approval authority; however, due to ongoing work and modifications to the food scrap bag sortation building, additional facility control system work has been needed that has increased the contract spend above the delegated authority threshold and now requires R&E Board approval; and

WHEREAS, R&E staff recommend approval of a single source agreement with TKDA based on their critical knowledge of R&E Center control systems and the critical, ongoing need for the services and the knowledge of facility operations provided by TKDA. NOW, THEREFORE, BE IT

RESOLVED, The R&E Board hereby approves entering into an agreement with Toltz, King, Duvall, Anderson and Associates Incorporated d/b/a TKDA, and any amendments thereto, for an initial term of June 1, 2026 through December 31, 2026, with the possibility of renewals totaling a five-year term, and delegates authority to the executive director to execute the agreement and potential amendments, upon approval as to form by R&E's attorney and provided that funding is available in the approved budgets.

*Draft Resolution: Control Systems Maintenance and Engineering Contract*

---

Mary Jo McGuire, Board Chair  
May 28, 2026

---

Attest  
May 28, 2026



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

<b>R&amp;E BOARD MEETING DATE:</b>	May 28, 2026			<b>AGENDA ITEM:</b>	VIII.			
<b>SUBJECT:</b>	Updates and Reports							
<b>TYPE OF ITEM:</b>	<input checked="" type="checkbox"/>	INFORMATION	<input type="checkbox"/>	POLICY DISCUSSION	<input type="checkbox"/>	ACTION	<input type="checkbox"/>	CONSENT
<b>SUBMITTED BY:</b>	Trista Martinson, R&E Executive Director							

**R&E BOARD ACTION REQUESTED:**

For information only.

**EXECUTIVE SUMMARY:**

- a. **Commissioner Updates**  
R&E Board members will provide updates on waste-related ad hoc committees.
- b. **Executive Director Update**  
The R&E Executive Director will provide a report to the board.
- c. **Strategic Partnerships Update**  
Staff will provide a report to the board.
- d. **Programs Update**  
Staff will provide updates on programmatic efforts.
- e. **Facility Update**  
Staff will provide updates on R&E Center projects and operations, emphasizing the 2025 odor monitoring report.
- f. **Procurement Report**  
Staff will provide a written report of new contracts and amendments executed under the authority of R&E’s procurement guidelines during the period of April 1 – April 30, 2026. Funding for the contracts is available in the approved Joint Activities, Facility and Equipment Maintenance & Replacement (EM&R) budgets, following approval as to form by the Ramsey County or Washington County attorney’s office.

**ALIGNMENT WITH STRATEGIC PLAN:**

- a. Strategic Goal 1A: Public awareness & trust through brand management, transparency and engagement.
- b. Strategic Goal 1B: R&E led regional coordination on policy and plans for greater regional impact.
- c. Strategic Initiative 4Ai: Implement and sustain a streamlined and consistent portfolio of upstream programs (waste reduction, reuse, recycling), informed by data and community engagement.
- d. Strategic Initiative 3Aii: Continue to operate an industry-leading waste processing facility and innovate for increased landfill diversion.

**SUBJECT:** *Updates and Reports*

- e. Strategic Goal 4C: Robust obligation tracking and reporting.

**ATTACHMENTS:**

1. Foth Memorandum: 2025 Odor Monitoring Review
2. R&E Center Tours Report
3. Procurement Report

**FINANCIAL IMPLICATIONS:**

None.

AUTHORIZED SIGNATURES	DATE
R&E EXECUTIVE DIRECTOR 	5/20/26



## Memorandum

8550 Hudson Boulevard North  
Eagle Point Office Center II, Suite 105  
Lake Elmo, MN 55042  
(651) 288-8550  
foth.com

May 15, 2026

TO: Sam Holl, Facility Director, Ramsey/Washington Recycling & Energy  
CC: Nathan Klett, Foth Infrastructure & Environment, LLC  
FR: Alaina Steinmetz, Foth Infrastructure & Environment, LLC  
RE: 2025 Odor Monitoring Review – Ramsey/Washington Recycling & Energy Center

### Executive Summary

On behalf of Ramsey/Washington Recycling & Energy (R&E), Foth Infrastructure & Environment, LLC (Foth) inspected odor conditions within Newport, Minnesota, surrounding the Ramsey/Washington Recycling & Energy Center (R&E Center). Six locations were inspected throughout the year for odor conditions. In 2025, 684 inspections were completed. Forty-Three (43) of the inspections (6.3%) resulted in municipal solid waste (MSW) being detected. In 2026, Foth plans to continue odor monitoring at the same locations as well as two new locations on behalf of R&E. The new locations were added in Q1 2026 to establish a baseline for a new development being planned in Newport, MN. The R&E Center continued to comply with the City of Newport Odor Ordinance throughout 2025. The R&E Center also achieved its stated goal to not have an MSW odor exceedance more than once per 6-month period.<sup>1</sup>

### Background

Since 2016, the odors generated around the R&E Center have been monitored with respect to the atmospheric conditions. An Odor Monitoring Study, completed in 2016, determined baseline odor monitoring data and tracked atmospheric conditions that may contribute to odors. This study was detailed in a memorandum completed on December 23, 2016. Study results showed that atmospheric conditions of northwest (NW), west-northwest (WNW) winds in the 0 to 5 miles per hour (mph) range created the ideal environment for odor dispersion.

Odor monitoring continued in 2017 at two locations, OM-160 and OM-170. A seasonal monitoring schedule was initiated. During winter months (November to April), the “winter monitoring” schedule was once a week and one weekend monthly. During summer months (May to October), the “summer monitoring” schedule was twice a week and one weekend monthly.

---

<sup>1</sup> The R&E Center has a goal to not exceed a Dilution/Threshold (D/T) of 7, as measured by the Nasal Ranger Olfactometer, more than once per each 6-month period, based upon the local ordinance of Newport, Minnesota. Of the MSW detects in 2024, the highest D/T was a “4.” Therefore, the R&E Center achieved its goal.

**SUBJECT:** Updates and Reports

Seasonal monitoring continued in 2018 for OM-160 and OM-170, and two new locations, OM-240 and OM-250, were added. Seasonal monitoring continued in 2019 for locations OM-160, OM-170, OM-240, and OM-250, along with a new location, OM-220.

Seasonal monitoring continued in 2020 for locations OM-160, OM-170, OM-220, OM-240, and OM-250, along with a new permanent location, OM-260, and two temporary locations, OM-270 and OM-280. Seasonal monitoring continued in 2021 through 2022 with the same permanent locations that were established in 2020 (OM-160, OM-170, OM-220, OM-240, OM-250, and OM-260).

During 2024, annual odor monitoring at location OM-170 (Newport Cold Storage) was conducted in January and February of 2024. In March 2024 and through the remainder of 2024, this location was changed to OM-270 (Newport City Hall). This change occurred due to the close proximity of OM-160 to OM-170 and the new location of the Newport City Hall. From March 2024 through 2025, seasonal monitoring continued at OM-160, OM-220, OM-240, OM-250, OM-260, and OM-270, as provided on Figure 1. The locations can be found described below in Table 1:

**Table 1**  
**Odor Monitoring Locations**

OM Loc #	Location	Description
OM-220	494-Walking Path	The first overlook location closest to R&E
OM-160	Red Rock Crossing Transit Center	Corner of Red Rock Crossing, next to the Transit Center
OM-270	Newport City Hall	Small patch of grass directly in front of the parking lot to the City Hall
OM-250	24 <sup>th</sup> St. and 3 <sup>rd</sup> Avenue	Eastern corner of the intersection
OM-260	Mayle-Trans Trucking School	Grassy patch about 150 feet away from driveway to the trucking school
OM-240	Ford Road	Grassy patch about 200 feet from Metro Car Dealers on Ford Road

Prepared by: ACS1  
Checked by: GGR

All inspections were completed with “bare nose” and “Nasal Ranger®” field test methods which is detailed in Standard Operating Procedure (SOP) 1000.1 *Odor Monitoring for Source Evaluation* (see Attachment 1). “Bare nose” indicates the inspection was completed using the human nose, and “Nasal Ranger®” indicates the inspection was completed using the Nasal Ranger® Field Olfactometer.<sup>2</sup>

## Results and Observations

There were 684 inspections in 2025. Among those 684 inspections, 43 had MSW detects (6.3%). The results from the 684 inspections by each quarter of the year, along with an inspection

<sup>2</sup> Relevant SOPs are as listed: SOP 600.1, SOP 600.2, SOP 1000.1, SOP 1000.3, and SOP 1000.4.

summary, can be found in the tables provided in Attachment 2. Attachment 2 quarterly inspection tables contain rows that are highlighted with yellow. Yellow rows indicate MSW detects. A quarterly summary table comparing the number of inspections, MSW detections, rendering detections, and max dilution-to-threshold (D/T) observed is shown in Table 2-1:

**Table 2-1  
Quarterly Summary for 2025 Detects**

	<b>25Q1</b>	<b>25Q2</b>	<b>25Q3</b>	<b>25Q4</b>	<b>Total</b>
<b>Number of Inspections</b>	192	174	174	144	684
<b>Resulting in a 503 MSW Detection</b>	0	9	16	18	43
<b>Resulting in a 508 Rendering Detection</b>	10	4	6	6	26
<b>Max D/T of MSW</b>	0	2	4	2	NA
<b>Max D/T of Rendering</b>	4	2	2	2	NA

Note:  
NA = Not Applicable

Prepared by: ACS1  
Checked by: GGR

MSW was detected during the months of May (4), June (5), July (5), August (10), September (1), October (3), November (12), and December (3). With the Nasal Ranger®, odor is measured by a D/T index, which is a measure of the number of dilutions needed to render odorous ambient air non-detectable as perceived by a human observer. The R&E Center has a goal not to exceed a D/T of 7 more than once per 6-month period. Of the MSW detects, the highest D/T was a 4, which occurred during one (once in August) of the MSW detects. Thus, the R&E Center achieved its goal. Additionally, the odor monitoring team keeps track of any non-MSW data due to a nearby odor contributor.

A summary of MSW detections and weather conditions are provided in Attachment 2, Table 5, "2025 MSW Detects and Inspections Quarterly Summary." These tables outline each MSW detect, along with the R&E Center's tonnage and weather conditions for that day. The tables in Attachment 2 also include the following:

- ◆ Number of inspections each quarter;
- ◆ Number of inspections resulting in MSW detects each quarter;
- ◆ Total inspections for 2025;
- ◆ Total inspections resulting in MSW detects for 2025;
- ◆ Quarterly inspection weather conditions (temperature, humidity, and pressure); and
- ◆ Weather conditions during MSW detects.

The average maximum and minimum weather conditions for MSW detects can be found in Table 2-2:

**Table 2-2  
Average, Maximum, and Minimum  
Weather Conditions for 2025 MSW Detects**

	Temperature	Humidity	Pressure
<b>Maximum Condition</b>	91.5	73.4	29.5
<b>Average Conditions</b>	65.6	49.2	29.2
<b>Minimum Condition</b>	32.6	27.5	28.9

Prepared by: ACS1  
Checked by: GGR

A wind rose developed from the South St. Paul Municipal Airport Weather Station (Airport Weather Station) data can be found on Figure 2. This wind rose was included to provide a review of the atmospheric conditions that existed at a publicly accessible weather station closest to Newport, Minnesota, for 2025. The wind rose allows for a visual understanding of the typical weather conditions that occur in Newport. Overall, in 2025, the wind patterns were primarily out of the NW with moderate wind speeds (10-15 mph).

Figure 3 is a wind rose that illustrates the wind speeds and direction patterns specifically during the inspection events at the odor monitoring locations. Wind data is collected from the WeatherFlow handheld weather meter and documented by Foth. Odor monitoring occurs on a random basis to allow for monitoring of odors during all types of weather conditions. Additionally, Foth staff tracks when there is a WNW or NW wind and makes their best effort to go out and conduct odor monitoring during those conditions. R&E Center staff alert Foth odor monitors when conditions are favorable for MSW detects, and inspections occur based on Foth staff availability during these times. Overall, the inspections were mostly conducted during the NW wind direction, with speeds mostly in the 5- to 10-mph range, which are typically the atmospheric conditions that are found to be the most conducive for odor dispersion from the R&E Center.

Figure 4 illustrates wind speeds and direction patterns at the R&E Center in 2025 during odor monitoring events. The weather data collected are from the R&E Center Control Room Weather Station and from local airport data when the Control Room Weather Station is down. This wind rose shows that for 2025, winds were primarily from the north wind direction at speeds mainly in the 1- to 5-mph range.

## Recommendations

As R&E continues to roll out the food scrap program and participation increases, there may be additional odor generation due to these organics. Therefore, it is recommended that odor monitoring continue in 2026 at locations OM-160, OM-220, OM-240, OM-250, OM-260, and OM-270.

The monitoring of the additional two locations near the new housing development east of the facility in Q1 2026 will provide a baseline for the area. We recommend continuing monitoring these locations as well as reviewing the collected data to validate designated locations. We recommend further consideration for new locations depending on future developments. This will allow continuous improvement as the R&E Center continues to be recognized as a solid

**SUBJECT:** *Updates and Reports*

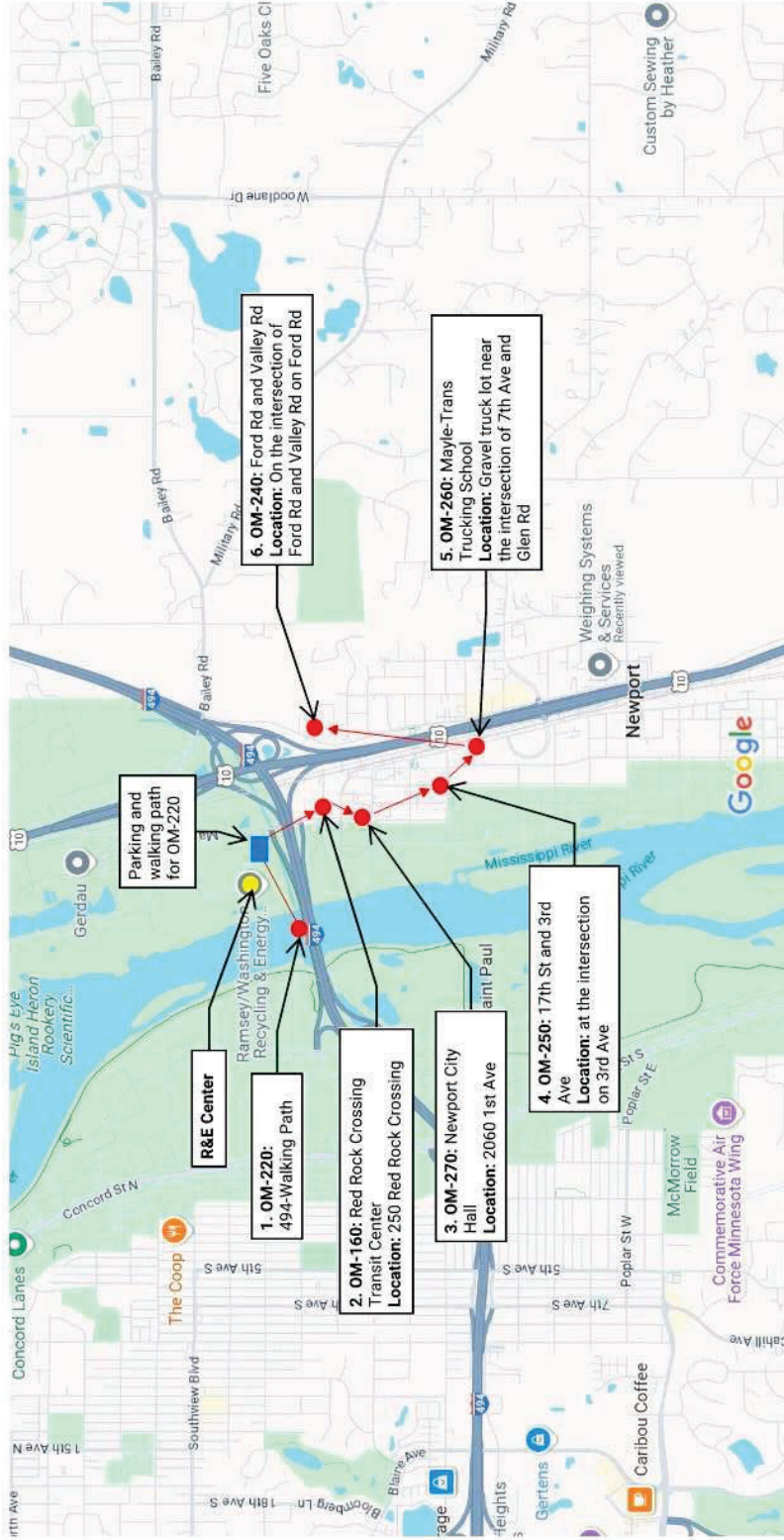
waste industry leader in preventing and mitigating odors. Based on the results from 2025, it is recommended to continue using “summer monitoring” and “winter monitoring” methodology. Traditionally, “summer monitoring” is from May to October and “winter monitoring” methodology from November to April. In addition, Foth will continue to provide on-call odor monitoring services throughout the year.

**Attachments:**

Figures

- Figure 1 Odor Monitoring Route and Locations
- Figure 2 South St. Paul Airport Weather Station Wind Rose
- Figure 3 Inspection Data Wind Rose
- Figure 4 R&E Center Control Room Data Wind Rose
- Attachment 1 SOP 1000.1 Odor Monitoring for Source Evaluation
- Attachment 2 2025 Odor Monitoring Site Inspection Tables

## **Figures**



Map data ©2025 Google 2000 ft

**Ramsey/Washington Recycling & Energy**

**Figure 1**  
**Odor Monitoring Route and Locations**  
 Newport, MN  
 2025 Odor Monitoring Review

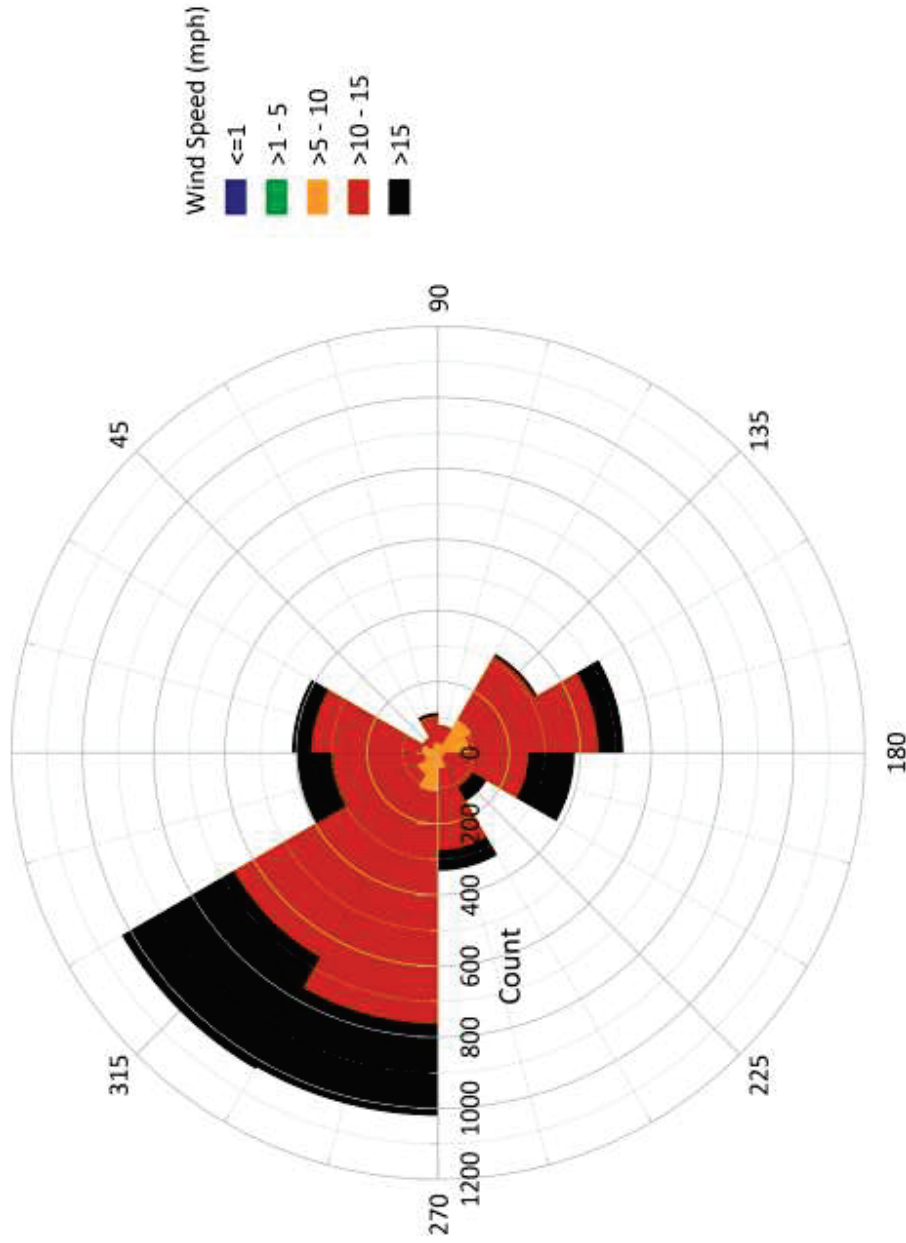
Date: APRIL 2026	Revision Date:
Drawn By: ACS1	Checked By: GGR
Project: 26R002	



**St. Paul Downtown Airport (MN) Wind Rose**

1/1/2025 - 12/31/2025

Sub-Interval: Jan 1 - Dec 31, 00:00 - 23:59



**Ramsey/Washington Recycling & Energy**

**Figure 2**

**South St. Paul Airport Weather Station Wind Rose**

Newport, MN

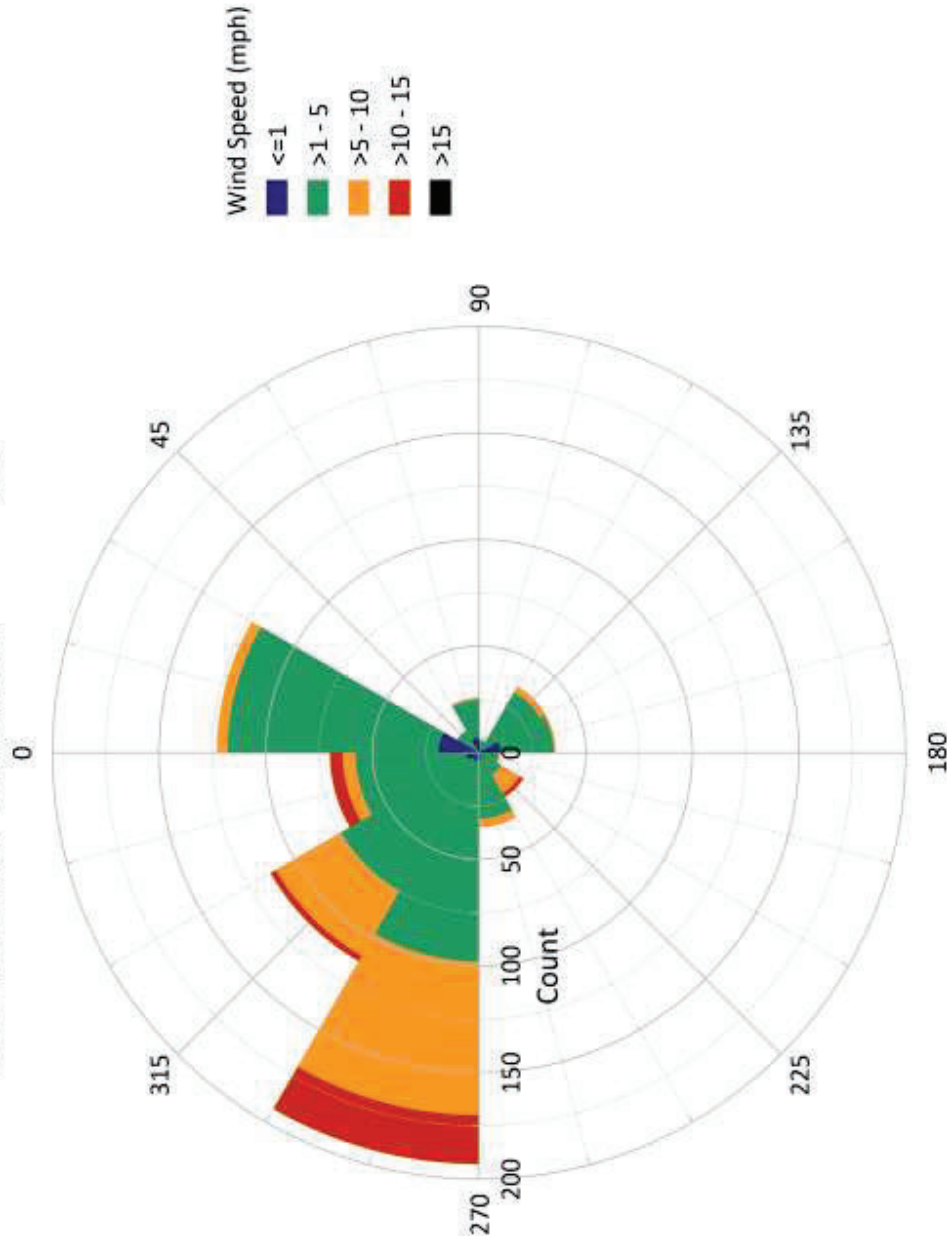
2025 Odor Monitoring Review

Date: APRIL 2026 Revision Date:

Drawn By: SRM3 Checked By: GGR Project: 26R002



2025 Inspection Data Wind Rose



Ramsey/Washington Recycling & Energy

Figure 3

Inspection Data Wind Rose  
Newport, MN  
2025 Odor Monitoring Review

Date: APRIL 2026

Revision Date:

Drawn By: SRM3

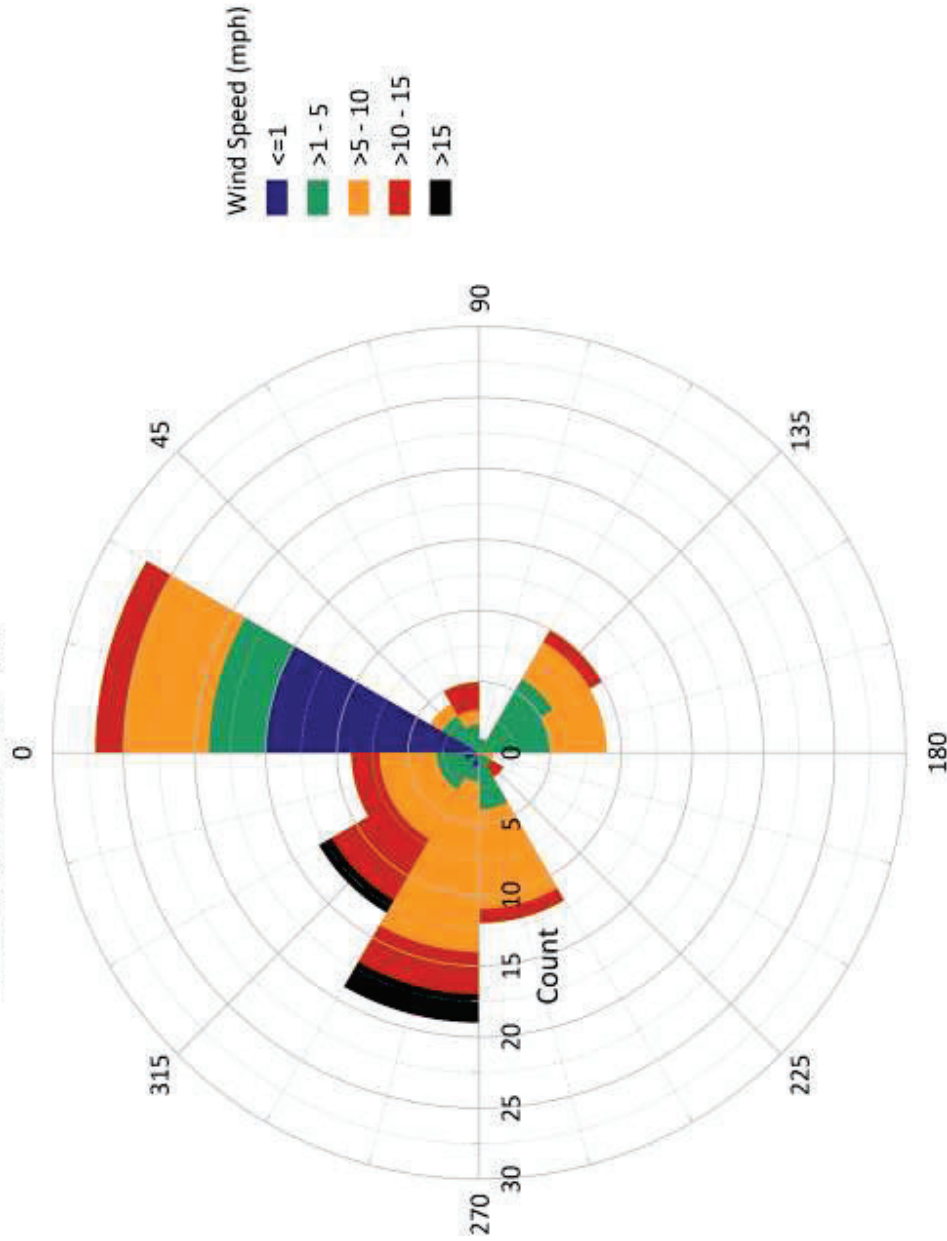
Checked By: GGR

Project: 26R002

Date: 4/29/2026



2025 R&E Center Control Room Wind Rose



Ramsey/Washington Recycling & Energy

Figure 4

R&E Center Control Room Data Wind Rose  
Newport, MN  
2025 Odor Monitoring Review

Date: APRIL 2026

Revision Date:

Drawn By: SRM3

Checked By: GGR

Project: 26R002

Date: 4/29/2026



**Attachment 1**  
**SOP 1000.1 Odor Monitoring for Source Evaluation**

## Standard Operating Procedure

# Odor Monitoring for Source Evaluation

---

## Introduction

The purpose of this Standard Operating Procedure (SOP) is to establish a procedure for air olfactory monitoring at the Recycling & Energy Center (R&E Center) using a Nasal Ranger® field olfactometer. A map of the R&E Center potential air emission features (Attachment 1) and odor monitoring locations (Attachment 2) are attached to this SOP. Screenshots of the online odor monitoring form are attached to this SOP for reference (Attachment 3). The online field form is a Google form and can be accessed on any smart device (smartphone, tablet, laptop, etc.). The online form records odor monitoring data while in the field. The written field form with odor descriptors can be found in Attachment 4.

## Definitions

- ◆ Dilution-to-threshold (D/T) – A measure of the number of dilutions needed to render odorous ambient air non-detectable as perceived by a human observer.

$$D/T = \frac{\text{Volume of Carbon-Filtered Air}}{\text{Volume of Odorous Air}}$$

- ◆ Municipal Solid Waste (MSW) – Acceptable waste as defined in the R&E Center’s Permit SW-286.
- ◆ Nasal Ranger® – A portable in-field olfactometer developed by St. Croix Sensory, Inc. which allows a trained operator to measure and quantify odor strength in the ambient air. The Nasal Ranger® is used to determine ambient odor dilution-to-threshold (D/T) concentration.
- ◆ Odor – The numerical value of detection associated with the persistence, word odor scale, and hedonic tone of the specific odor.
- ◆ Smell – Trained (personal) description of the smell (odor), rating of its strength (intensity), type of odor (quality), as well as your like or dislike of the smell (bias).

## References

This SOP is based on the training and materials received at St. Croix Sensory, Inc. on June 28, 2016 as well as the online Nasal Ranger® Inspector training course. Training materials included;

- ◆ St. Croix Sensory Inc., 2016. Odor School Nasal Ranger® Workbook,
- ◆ Field forms (modifiable) including the Odor Inspection Data Form and Odor Descriptor Starter List in Microsoft Excel,
- ◆ St. Croix Sensory Inc. Nasal Ranger® Inspector online training course accessible at: [https://sensoryinstitute.com/index.cfm?fuseaction=course\\_detail&course\\_id=1](https://sensoryinstitute.com/index.cfm?fuseaction=course_detail&course_id=1)



Additional technical and website references are provided at the end of the Odor School Nasal Ranger® Workbook which is available by contacting the Environmental Science Technical Competency Leader.

## **Personnel Qualifications**

Odor monitoring shall be conducted by personnel who have completed the St. Croix Sensory, Inc. odor training in-person or online, or who are under the instruction and supervision of odor trained/certified personnel. The odor monitoring training requirements can be found in SOP 600.1 Odor Monitoring Training.

## **Equipment and Supplies**

Ensure each of the items below is inventoried and all equipment is fully charged and ready for service at the R&E Center. It is noted that the R&E Center is equipped with a Davis Vantage Pro2 weather station which measures and records wind speed, wind direction, temperature, barometric pressure, and humidity.

- ◆ R&E Center map with odor monitoring locations
- ◆ Nasal Ranger® field olfactometer
- ◆ Kestrel and tripod
- ◆ Odor inspection form (attached) and sharpie/pen/pencil (if needed)
- ◆ Weather related personal safety items for heat, sun, and/or cold conditions
- ◆ SOP 1000.1 Odor Monitoring for Source Evaluation
- ◆ Pepper spray

## **Procedures**

### **SAFETY**

The odor monitoring locations are located throughout the City of Newport. All monitoring locations are near roads and driveways. When arriving to the locations, park vehicle in a safe location, turn off engine, turn on hazard warning lights, and wear high visibility safety vest.

For the I-494 Bridge Lookout monitoring location, one must walk along the side of the road and then up the bridge. If the weather poses threats (i.e., thunderstorm with lightning, heavy rain, heavy snow, etc.), this location can be skipped due to documented safety hazards. When walking to the monitoring location, analyze your surroundings and deem the safety or if there are any threats. Keep pepper spray in pocket at all times while odor monitoring at each location.

### **FIELD OLFACTOMETER GENERAL USE NOTES**

During field olfactometer measurements inhale and exhale through nose only, refrain from opening mouth if possible. During field olfactometer monitoring, maintain contact of field olfactometer with nose at all times from steps 8 -10 in section “In-Field Odor Monitoring Using Field Olfactometer.”

Last Accessed: 2/6/2022



ID #: 20R002-1000.1 - Revised  
Revision #: 2  
Date: 11/13/2020  
Geographic Area: Newport, MN

Competency: Env. Sci.  
TCL: BMS2  
Technical Expert: EWV  
Page 3 of 8

- ◆ Zero positions are present between each D/T setting on the ranger dial.

It is easy to lose track of the D/T or zero setting during field olfactometer monitoring since you cannot see the dial. Using one of the mental exercises below may help:

- ◆ think “on” and “off” as you turn the dial past D/T and zero settings, respectively.
- ◆ think of D/T settings as odd numbers and zero positions as even numbers, as you turn the dial from 1 at “60” to 11 at “2”.
- ◆ think of D/T setting value “60” and “zero” value as you turn the dial from “60” to “2”.

### ACCESSING WEATHER STATION

Prior to performing in-field odor monitoring, document the weather at the Control Station. Weather data at the Control Station can be accessed through the [WeatherLink](#) website.

Input the following weather data from the Control Station into the Online Odor Monitoring Field Form (Attachment 3):

1. Temperature (°F)
2. Humidity (%)
3. Barometric Pressure (in Hg)
4. Wind Direction
5. Wind Speed
6. Outside weather condition under “*Weather.*” The weather options are:
  - a. Mostly Sunny
  - b. Partly Cloudy
  - c. Mostly Cloudy
  - d. Overcast
  - e. HazyOther
7. Precipitation under “*Precipitation.*” The precipitation options are:
  - a. N-None
  - b. F-Fog
  - c. R-Rain
  - d. SL-Sleet
  - e. SN-Snow
  - f. Other

If the precipitation or weather conditions change while in-field odor monitoring takes place it shall be documented in the online form.

---

Last Accessed: 2/6/2022



## REQUESTING TIPPING FLOOR TONNAGES

For each day odor monitoring is performed, document the tonnage of municipal solid waste (MSW) on the R&E Center tipping floor in the Online Odor Monitoring Field Form under “*How many tons of waste are on the tipping floor?*”

To access the tonnage, personnel can ask/e-mail the Shift Supervisor or go into the control room at the R&E Center and read from the tonnage sheet.

## ACCESS MONITORING LOCATION- GENERAL OBSERVATIONS

1. Arrive at monitoring location, noting general character of smell(s) (i.e., description, strength, bias) and general wind direction (e.g., N, NE, E, etc.).

## DETERMINE WEATHER CONDITIONS WITH KESTREL WEATHER METER

1. Once at the monitoring location, set up the Kestrel Weather Meter and tripod.
2. The tripod shall sit approximately 3.5 feet off the ground. To assemble the Kestrel Weather Meter attach the wind vane to the black-plastic rod. The rod with the wind vane will then be inserted to the opening at the base of the Kestrel.
3. The Kestrel shall then be placed on the pin on the top of the tripod. Allow the Kestrel to move freely and find the current wind direction.
4. Turn on the Kestrel so the weather data is displayed.
5. Prior to documenting the weather conditions, select the monitoring location name under “*Location Name*” on the online form. Each location has an associated identification number as well as a descriptor name (i.e. OM-160 Red Rock Crossing Transit Center).
6. On the online form, document the following weather data from the Kestrel:
  - a. Temperature (°F) (second Kestrel screen)
  - b. Humidity (%) (third Kestrel screen)
  - c. Barometric Pressure (in Hg) (fourth Kestrel screen)
  - d. Wind Direction (second Kestrel screen)
    - i. Note that the wind direction is likely to change during monitoring. All wind directions shall be documented in the online form.
  - e. Wind Speed (mph) (second Kestrel screen, approximate the average wind speed)
  - f. Wind Gusts (mph) (second Kestrel screen, same as wind speed but document maximum)
7. Document any bare-nose odor detects made while setting up the Kestrel and observing weather conditions in the online field form.

## IN-FIELD ODOR MONITORING USING FIELD OLFACTOMETER

After the weather data has been recorded in the online form, the monitoring location can be monitored for odor using the Nasal Ranger® olfactometer.

1. Set up the field olfactometer at the first monitoring location and leave it set up until monitoring is complete. To set up the field olfactometer, remove the nosepiece from its case and perform a fit test to check that air does not escape between the nosepiece and your face. If air does escape, place a disposable foam adapter on the nosepiece for a tighter fit. Once the fit test is complete, push the nosepiece onto the field olfactometer using a clockwise motion.
2. Turn on the field olfactometer by pushing the square button below the nosepiece. Take several breaths, inhaling through the mouth and exhaling through the nose, to oxygenate your blood in preparation for the constricted breathing which occurs during field olfactometer use.
3. Turn the dial on the front of the field olfactometer to the zero position between the “60” and “2” dilution-to-threshold (D/T) settings.
4. Raise the field olfactometer to your nose. Zero nose by breathing normally for 1 minute at green light target rate on field olfactometer.
5. Pivot the direction you are facing to be perpendicular to the wind direction as observed on the wind vane (e.g., down-wind of the R&E Center roof vent).
6. To start sampling air, turn dial counterclockwise 1-click from the zero position to the “60” setting. Note, counterclockwise is relative to the direction you are facing (i.e., the back of the dial).
7. While at the “60” setting, inhale and exhale twice at green light target rate on the field olfactometer, then turn the dial counterclockwise 1-click from the “60” setting to the zero position (between the “60” and “30” setting).
8. While at the zero position, inhale and exhale twice at green target rate on the field olfactometer. If the odor at the zero position is different than the odor at the “60” setting, then stop and record “60” on the field form. If the odor at the zero position is the same as the odor at the “60” setting, then turn dial counterclockwise 1-click from the zero position to the “30” setting.
9. Repeat steps 7 and 8 at each D/T setting (i.e., 30, zero, 15, zero, 7, zero, 4, zero, 2, zero), while maintaining contact with nose and breathing through nose only until a difference is detected or all settings have been tested. If you encounter an odor at a lower setting and would like to retest at a higher D/T setting, just repeat steps 7 and 8 at the higher setting.



10. Record the appropriate value of odor on the online form under “*D/T (Dilution-to-Threshold)*” based on the number where the odor changed between the reading and the zero reading. If there is a smell present in the ambient air, but odor is not detected using the Nasal Ranger® at the “2” D/T setting, then a value of “<2” is recorded on the field form. If no smell is detected in the ambient air, then a value of “ND” is recorded.
11. Record the odor descriptor on the online form. A list of commonly used odor descriptors may be found on the back of the field form (Attachment 4), but you may also add your own.

### IN-FIELD ODOR MONITORING USING BARE-NOSE METHOD

1. Following Nasal Ranger® measurement, take two large sniffs through bare-nose.
2. Record the appropriate value of odor on the online form under “*D/T (Dilution-to-Threshold)*”. Any odors detected with the bare-nose but not with the Nasal Ranger® have a D/T of <2. If no smell is detected in the ambient air, then a value of “ND” is recorded.
3. Record the odor descriptor on the online form. A list of commonly used odor descriptors may be found on the back of the field form (Attachment 4), but you may also add your own.
4. Record the duration over which you detect the smell (i.e., how long does it last) using a scale of smell persistence (i.e., “L” long duration > 5 minutes, “S” short duration < 60 seconds). Record smell persistence under “*Persistence of Smell*” on the online form.
5. Record your opinion of the smell(s) strength on the odor inspection form under “*Word Odor Scale*” on the online form using a Word Odor Scale from “0” for no odor present to “5” for very strong odor.
6. Record your bias towards the smell(s) (i.e., like or dislike) under “*Hedonic Tone*” on the online form using a scale with “10” being most favorable and “-10” being most offensive. If no smell is detected in the ambient air, then a value of “0” is recorded.
7. If multiple smells are present, record the observations in steps 2 through 6 for the additional smell(s) under “*Comments & Other Secondary Odors*” on the online form.

### STEP-BY-STEP FILLING OUT ONLINE FIELD FORM IN-FIELD

1. Open the field form on a chosen smart device (smartphone, tablet, laptop, etc.). Link to form:  
<https://docs.google.com/forms/d/e/1FAIpQLSe7L4XXURi6JQawE8r2XBKJFdIAyZzQN9jJIHXuwqpglYb7A/viewform>
2. On the first screen, select the name of the individual performing the odor monitoring. If the name needed does not show up, select “*Other*” and write in name.



3. Fill out the date and time (Note: every entry is timestamped therefore filling out the time is not crucial).
4. Input the current weather conditions under “*Weather*” (multiple can be selected):
  - a. Mostly Sunny
  - b. Partly Cloudy
  - c. Mostly Cloudy
  - d. Overcast
  - e. Hazy
  - f. Other
5. Input the current precipitation conditions under “*Precipitation*”:
  - a. N-None
  - b. F-Fog
  - c. R-Rain
  - d. SL-Sleet
  - e. SN-Snow
  - f. Other
6. Input the number of tons of MSW are on the tipping floor. If the tipping floor tonnage is unknown at the time of odor monitoring, select “*Need to ask Doug still*” (even if you already requested the tonnage and are waiting for a response). The tonnage can be added to the spreadsheet later once received.
7. Press “Next” to advance to the second screen.
8. Input the monitoring location under “*Location Name*”. All locations are numbered in order of monitoring (first to last).
9. Input the time (Note: every entry is timestamped therefore filling out the time is not crucial).
10. Input the temperature, humidity, barometric pressure, wind direction, wind speed, and wind gust under their corresponding section.
11. When monitoring for odor, input the dilution-to-threshold, description of smell, persistence of smell, word odor scale, hedonic tone, and any additional comments. If no odor is detected, select “ND” under “*D/T (Dilution-to-Threshold)*” and “000-No Odor” under “*Description of Smell*”.
12. Once the form is filled out, select “Submit” and the form will be saved on the Google Drive database. The spreadsheet containing each inputted form may be found here:  
[https://docs.google.com/spreadsheets/d/1JTS\\_dka4reN9aKguxKFSAOsiB1NcGPOTmIhCMO6TzZU/edit#gid=1315750224](https://docs.google.com/spreadsheets/d/1JTS_dka4reN9aKguxKFSAOsiB1NcGPOTmIhCMO6TzZU/edit#gid=1315750224)



ID #: 20R002-1000.1 - Revised  
Revision #: 2  
Date: 11/13/2020  
Geographic Area: Newport, MN

Competency: Env. Sci.  
TCL: BMS2  
Technical Expert: EWV  
Page 8 of 8

13. Maintain quality control of the spreadsheet continuously to ensure that it is ready for the client to review at any moment.

### **ODOR MONITORING DURING COVID-19 PANDEMIC**

Due to the COVID-19 Global Pandemic, extra precautions need to be taken in all forms of work, including odor monitoring.

The following precautions shall be used during any pandemic:

1. If odor monitoring with another individual, ensure that two separate vehicles are taken.
2. Masks shall be worn at all times possible if there is more than one person odor monitoring and 6-feet social distancing shall be maintained at all times by all personnel.
3. If approached by anyone while odor monitoring, maintain 6-feet social distancing.
4. Once odor monitoring is completed, thoroughly wipe down and disinfect all equipment.

### **ATTACHMENTS**

**Attachment 1** - R&E Center Map of Potential Air Emission Features

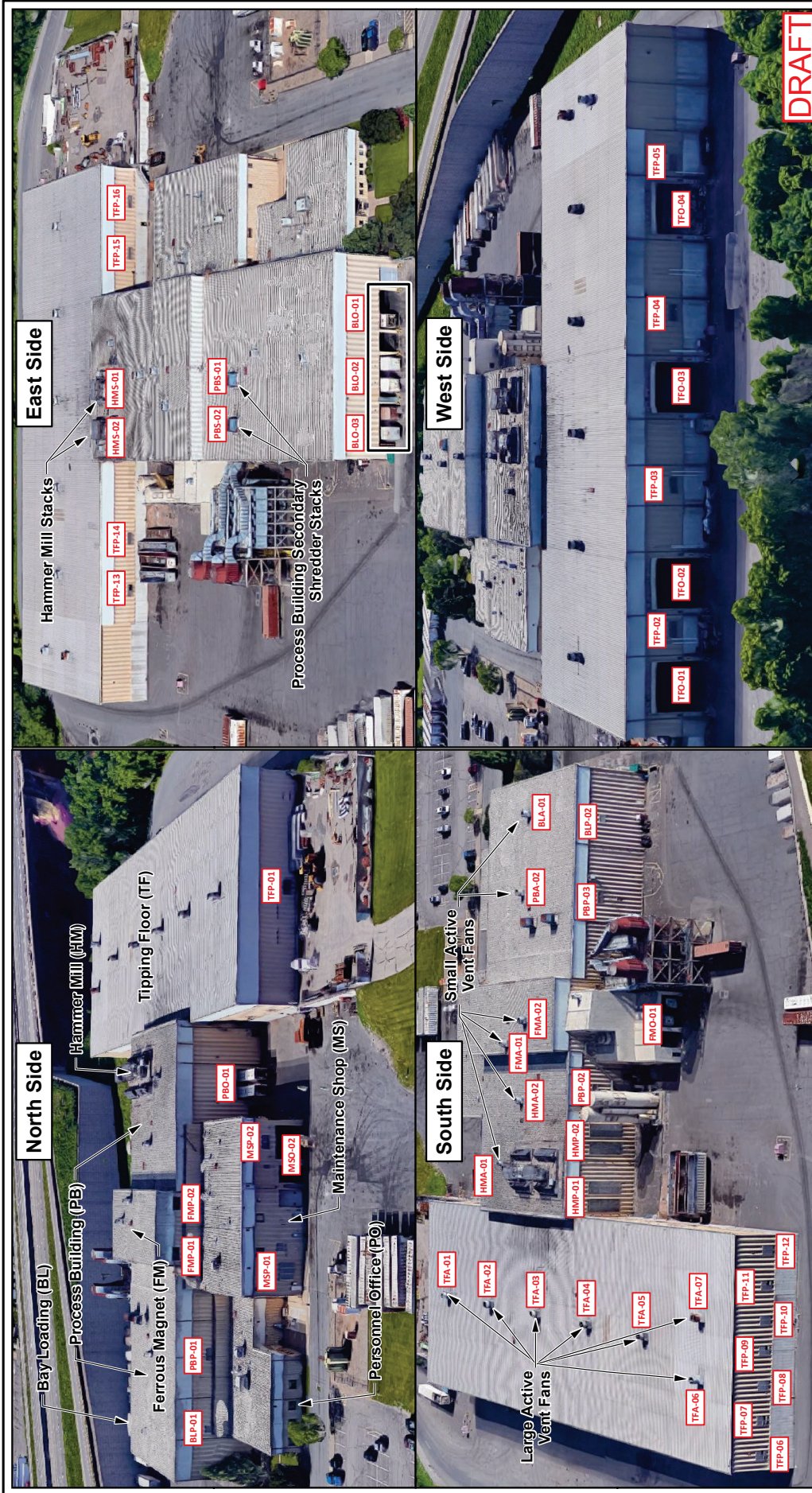
**Attachment 2** - Odor Monitoring Locations

**Attachment 3** - Online Odor Monitoring Field Form

**Attachment 4** - Written Field Form with Odor Descriptors

## **Attachment 1**

### **R&E Center Map of Potential Air Emission Features**



**NOTES:**  
 1. Oblique image views from Google Maps.

**LOCATION PREFIX**  
 TF = Tipping Floor  
 HM = Hammer Mill  
 FM = Ferrous Magnet  
 PB = Process Building  
 BL = Bay Loading  
 MS = Maintenance Shop  
 PO = Personnel Office

**LOCATION SUFFIX**  
 A = Active Vent Fan  
 P = Passive Louvers  
 O = Load Out/Open Access

**RAMSEY/WASHINGTON RECYCLING & ENERGY BOARD**

**FIGURE 1**  
 R&E CENTER POTENTIAL AIR EMISSION FEATURES  
 ODOR MITIGATION STUDY:  
 CORRECTIVE MEASURES EVALUATION

**Foth**

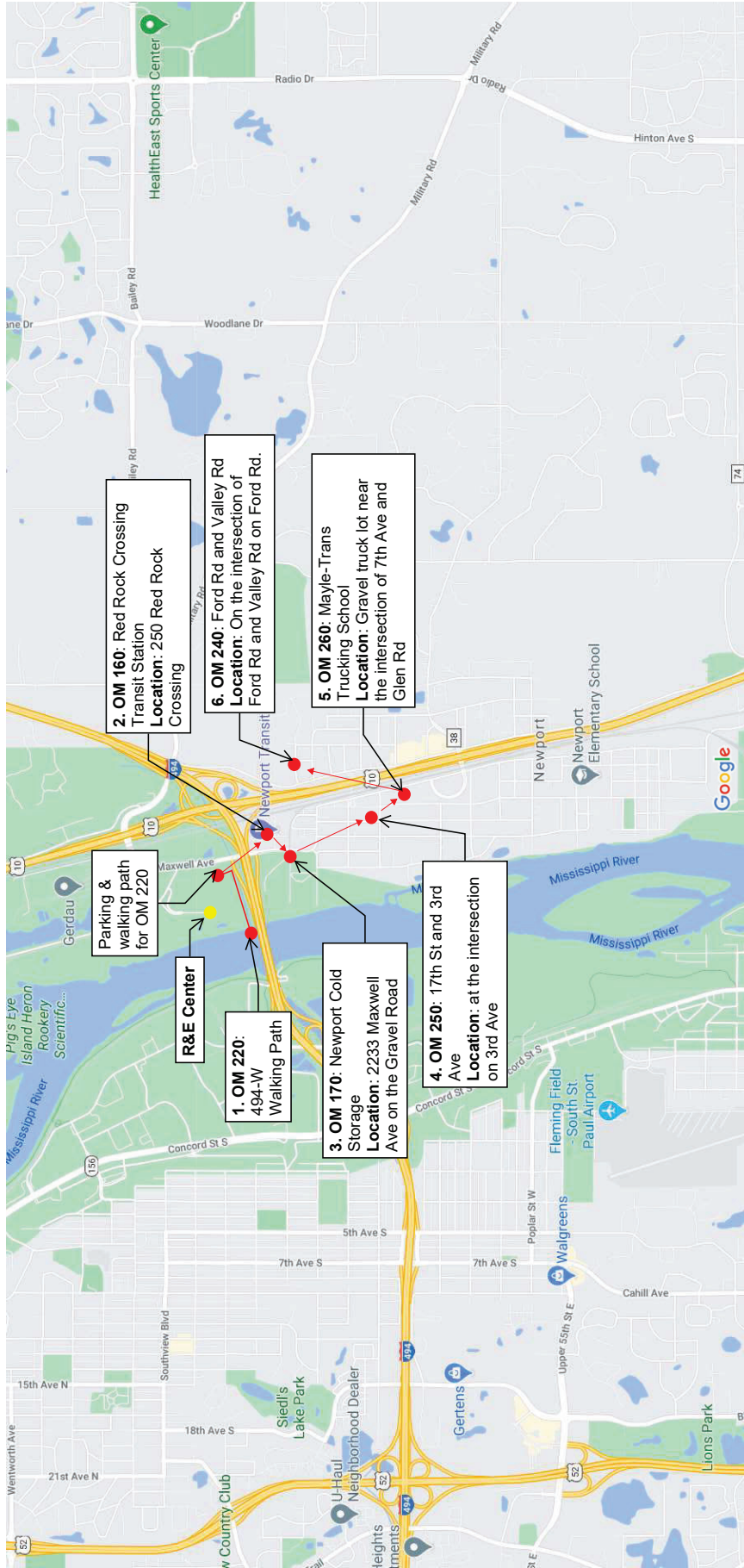
NOT TO SCALE

Date: MARCH 2017    Revision Date:  
 Drawn By: BJW1    Checked By: BMS2    Scope: 17R002

This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.

Path: C:\Ramsey Wash Co\REB\17R002\GIS\mxd\Figure 1 - R and E Center Building Vent Locations.mxd    Date: 3/20/2017

**Attachment 2**  
**Odor Monitoring Locations**



**2. OM 160: Red Rock Crossing Transit Station**  
**Location:** 250 Red Rock Crossing

**6. OM 240: Ford Rd and Valley Rd**  
**Location:** On the intersection of Ford Rd and Valley Rd on Ford Rd.

**5. OM 260: Mayle-Trans Trucking School**  
**Location:** Gravel truck lot near the intersection of 7th Ave and Glen Rd

**Parking & walking path for OM 220**

**1. OM 220: 494-W Walking Path**

**R&E Center**

**3. OM 170: Newport Cold Storage**  
**Location:** 2233 Maxwell Ave on the Gravel Road

**4. OM 250: 17th Stand 3rd Ave**  
**Location:** at the intersection on 3rd Ave

**Attachment 3**  
**Online Odor Monitoring Field Form**

# R&E Odor Monitoring Program for Newport, MN



Form description

## Name

- Eden Vellinga
- Jill Morris
- Nick Vetsch
- Other...

## Date \*

Month, day, year



## Time

Time



Weather

- Mostly Sunny
- Partly Cloudy,
- Mostly Cloudy,
- Overcast,
- Hazy
- Other...

Precipitation

- N-None
- F-Fog
- R-Rain
- SL-Sleet
- Sn-Snow
- Other...

How many tons of waste are on the tipping Floor? (tons)

- Need to ask Doug still
- Other...

## Odor Monitoring Locations (continued)



Description (optional)

### Location Name

1. Control Room (Weather Station)
2. OM-220 494-W Walking Path
3. OM-160 Red Rock Crossing Transit Center
4. OM-170 Newport Cold Storage
5. OM-250 17th st & 3rd Ave
6. OM-260 Mayle-Trans Trucking School
7. OM-270 Newport Elementary School
8. OM-280 11th Ave & 13th St (north of 61)
9. OM-240 Ford Rd

### Time

Time



### Temperature (degree F)

Short answer text

### RH (%)

Short answer text

### BP (in)

Short answer text

Wind Direction

- N
- NNW
- NW
- WNW
- W
- WSW
- SW
- SSW
- S
- SSE
- SE
- ESE
- E
- ENE
- NE
- NNE

☰

Wind Speed (mph)

Short answer text

---

Wind Gust (mph)

Short answer text

---

D/T (Dilution-to-Threshold)

1. 60
2. 30
3. 15
4. 7
5. 4
6. 2
7. <2
8. ND - Non Detect

Description of Smell (primary)

- 508 - Rendering
- 503 - MSW
- 000 - No Odor
- Other...

Persistence of Smell

1. Long duration >5 min
2. Moderate duration 1-5 min
3. Short duration <60 seconds
4. ND - Non Detect

Word Odor Scale

1. 0 - Non Detect
2. 1 - Very Weak
3. 2 - Weak
4. 3 - Moderate
5. 4 - Strong
6. 5 - Very Strong
7. ND - Non Detect

Hedonic Tone (10- most favorite smell, 0- no preference or aversion to smell, (-10)- least favorite smell)

1. 10 - Most Favorite

2. 9

3. 8

4. 7

5. 6

6. 5

7. 4

8. 3

9. 2

10. 1

11. 0 - Neutral

12. -1

13. -2

14. -3

15. -4

16. -5

17. -6

18. -7

19. -8

20. -9

21. -10 - Least Favorite

22. ND - Non Detect

Comments & other Secondary Odors

Long answer text

---

## **Attachment 4**

### **Written Field Form with Odor Descriptors**

# ODOR MONITORING FIELD FORM

Initials: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_  
 Signature: \_\_\_\_\_ Weather: \_\_\_\_\_ R&E Solid Waste on Tipping Floor (tons) : \_\_\_\_\_  
 Date: \_\_\_\_\_ Precipitation: \_\_\_\_\_ Time: \_\_\_\_\_

Location	METEOROLOGICAL MEASUREMENTS							D/T	NAKED NOSE				Comments/ Other Smell Descriptors		
	Start Time	End Time	Temp (°F)	RH (%)	BP (in)	Direction	Variability		Speed (mph)	Gust (mph)	D	P		WS	HT
control room															
OM-220 (494 Bridge)															
OM-160															
OM-170															
OM-250 (17th & 3rd)															
OM-240 (Ford Rd)															

**Note:**  
 Weather = MS-Mostly Sunny, PC-Partly Cloudy, MC-Mostly Cloudy, O-Overcast, H-Hazy  
 Precipitation = N-None, F-Fog, R-Rain, SI-Sleet, SN-Snow  
 Temp = Temperature expressed as degrees Fahrenheit  
 RH = Relative Humidity expressed as a percent  
 BP = Barometric Pressure expressed as inches of mercury  
 Direction = Wind Direction (blowing from): N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW  
 Variability = Variability of Wind Direction (e.g., NE-SW)  
 Speed = Wind Speed in miles per hour: C-Calm (<1); LB-Light Breeze (1-5); M-Moderate (5-15); S-Strong (>15)  
 Gust = Gust Speed in miles per hour  
 D/T = Dilution-to-Threshold (D/T) odor measurement on Nasal Ranger field of factometer  
 D = Provide personal description of smell; use odor descriptor wheel on back as starting point  
 P = Persistence of Smell: L- long duration >5 min, M-moderate duration 1- 5min, S-short duration <60sec  
 WS = Word Odor Scale: 0- Non Detect 1-Very Weak, 2- Weak, 3-Moderate, 4-Strong, 5-Very Strong  
 HT = Hedonic Tone as personal bias of smell: 10- most favorite smell, 0- no preference or aversion to smell, (10)- least favorite smell

# ODOR MONITORING FIELD FORM

## 100 Floral

- 100 floral
- 101 fragrant
- 102 perfumy
- 103
- 104
- 105

## 800 Medicinal

- 800 medicinal
- 801 alcohol
- 802 camphor/menthol
- 803 chlorine
- 804 soapy
- 805 vinegar
- 806
- 807
- 808

## 700 Chemical

- 700 chemical
- 701 vehicle exhaust
- 702 diesel
- 703 gasoline
- 704 petroleum
- 705 solvent
- 706 plastic
- 707 asphalt
- 708 rust
- 709

## 200 Fruity

- 200 fruity
- 201 sweet
- 202 lemon
- 203 citrus
- 204 stewberry/berry
- 205 orange
- 206 sweet garbage
- 207
- 208
- 209

## 300 Vegetable

- 300 vegetable
- 301 garlic
- 302 onion
- 303 cabbage
- 304 restaurant fryer
- 305
- 306

## 000 No Smell

## 600 Fishy

- 600 fishy
- 601 ammonia
- 602 amine/trimethylamine
- 603 fish oil
- 604
- 605
- 606

## 400 Earthy

- 400 earthy
- 401 musty/musky
- 402 grassy
- 403 pine
- 404 woody
- 405 lake/river
- 406 foliage/flora
- 407 Sand
- 408
- 409

## 500 Offensive

- 500 offensive
- 501 burnt
- 502 fecal
- 503 garbage
- 504 sewer
- 505 putrid
- 506 rancid
- 507 sour
- 508 rendering- burning bone
- 509 fumes- burning metal
- 510 bonfire- burning wood

**Attachment 2**  
**2025 Odor Monitoring Site Inspection Tables**

**Table 1**  
**Quarter 1 Odor Monitoring - January 1 through March 31, 2025**  
**Ramsey/Washington Recycling & Energy Center**

Date	Loc #	Location	R&E Center Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
1/2/2025	16:30	OM-220 494-W Walking Path	1225	SCT	N-None	19.2	51.4	29.92	WNW	Moderate Wind (5-15 mph)	10.1	15.2	ND-Non Detect			
1/2/2025	16:45	OM-160 Red Rock Crossing Transit Center	1225	SCT	N-None	18.6	50.3	29.95	WNW	Moderate Wind (5-15 mph)	7.9	11.6	ND-Non Detect			
1/2/2025	16:51	OM-270 Newport City Hall	1225	SCT	N-None	19.9	51	29.92	WNW	Moderate Wind (5-15 mph)	9.4	13.1	ND-Non Detect			
1/2/2025	16:56	OM-250 24th st & 3rd Ave	1225	SCT	N-None	17.3	49.8	29.96	WNW	Moderate Wind (5-15 mph)	7	11.2	ND-Non Detect			
1/2/2025	17:01	OM-260 Mayle-Trans Trucking School	1225	SCT	N-None	17.9	50.2	29.93	WNW	Moderate Wind (5-15 mph)	8.6	12.5	ND-Non Detect			
1/2/2025	17:11	OM-240 Ford Rd	1225	SCT	N-None	18.4	50.6	29.93	WNW	Moderate Wind (5-15 mph)	9.2	13.8	ND-Non Detect			
1/3/2025	16:51	OM-220 494-W Walking Path	1125	SCT	N-None	14.1	52.6	29.41	WNW	Moderate Wind (5-15 mph)	10.7	14.2	ND-Non Detect			
1/3/2025	17:05	OM-160 Red Rock Crossing Transit Center	1125	SCT	N-None	13.5	51.1	29.35	WNW	Moderate Wind (5-15 mph)	8.4	12.8	ND-Non Detect			
1/3/2025	17:10	OM-270 Newport City Hall	1125	SCT	N-None	13.4	52.7	29.39	WNW	Moderate Wind (5-15 mph)	10.2	13.7	ND-Non Detect			
1/3/2025	17:14	OM-250 24th st & 3rd Ave	1125	SCT	N-None	12.8	50.6	29.38	WNW	Moderate Wind (5-15 mph)	6.2	9.2	ND-Non Detect			
1/3/2025	17:19	OM-260 Mayle-Trans Trucking School	1125	SCT	N-None	13.9	50.9	29.38	WNW	Moderate Wind (5-15 mph)	7.9	11.9	ND-Non Detect			
1/3/2025	17:27	OM-240 Ford Rd	1125	SCT	N-None	14	51.7	29.42	WNW	Moderate Wind (5-15 mph)	8.5	12.6	ND-Non Detect			
1/10/2025	16:40	OM-220 494-W Walking Path	500	BKN	N-None	27.8	70.4	29.18	WNW	Moderate Wind (5-15 mph)	8.9	13.1	ND-Non Detect			
1/10/2025	16:54	OM-160 Red Rock Crossing Transit Center	500	BKN	N-None	27.1	68.4	29.17	WNW	Moderate Wind (5-15 mph)	6.1	10.4	ND-Non Detect			
1/10/2025	16:59	OM-270 Newport City Hall	500	BKN	N-None	26.5	69.7	29.17	WNW	Light Breeze (1-5 mph)	7.8	11.7	ND-Non Detect			
1/10/2025	17:04	OM-250 24th st & 3rd Ave	500	BKN	N-None	26.4	67.9	29.16	WNW	Moderate Wind (5-15 mph)	4.2	8.4	ND-Non Detect			
1/10/2025	17:10	OM-260 Mayle-Trans Trucking School	500	BKN	N-None	27.4	69.1	29.19	WNW	Moderate Wind (5-15 mph)	6.1	10.2	ND-Non Detect			
1/10/2025	17:18	OM-240 Ford Rd	500	BKN	N-None	5.3	63.5	29.2	WNW	Moderate Wind (5-15 mph)	5.7	9.8	ND-Non Detect			
1/13/2025	16:05	OM-220 494-W Walking Path	125	OVC	N-None	5	61.8	29.24	WNW	Moderate Wind (5-15 mph)	8.7	12.6	ND-Non Detect			
1/13/2025	16:18	OM-160 Red Rock Crossing Transit Center	125	OVC	N-None	4.7	62.7	29.22	WNW	Moderate Wind (5-15 mph)	5.4	9.7	ND-Non Detect			
1/13/2025	16:22	OM-270 Newport City Hall	125	OVC	N-None	5.2	60.4	29.21	WNW	Moderate Wind (5-15 mph)	6.8	10.6	ND-Non Detect			
1/13/2025	16:27	OM-250 24th st & 3rd Ave	125	OVC	N-None	4.4	61.9	29.23	WNW	Light Breeze (1-5 mph)	3.5	7.1	ND-Non Detect			
1/13/2025	16:33	OM-260 Mayle-Trans Trucking School	125	OVC	N-None	4.9	62.8	29.23	WNW	Moderate Wind (5-15 mph)	7.2	11.8	ND-Non Detect			
1/13/2025	16:42	OM-240 Ford Rd	125	OVC	N-None	4.9	62.8	29.23	WNW	Moderate Wind (5-15 mph)	6.3	10	ND-Non Detect			
1/14/2025	16:25	OM-220 494-W Walking Path	950	CLR	N-None	4.2	42.9	29.25	WNW	Moderate Wind (5-15 mph)	11	14.3	ND-Non Detect			
1/14/2025	16:39	OM-160 Red Rock Crossing Transit Center	950	CLR	N-None	4.2	42.9	29.25	WNW	Moderate Wind (5-15 mph)	8.4	12.2	ND-Non Detect			
1/14/2025	16:43	OM-270 Newport City Hall	950	CLR	N-None	-1.1	43.8	29.26	WNW	Moderate Wind (5-15 mph)	10.2	13.9	ND-Non Detect			
1/14/2025	16:48	OM-250 24th st & 3rd Ave	950	CLR	N-None	2.3	41.7	29.26	WNW	Moderate Wind (5-15 mph)	7	11.6	ND-Non Detect			
1/14/2025	16:54	OM-260 Mayle-Trans Trucking School	950	CLR	N-None	2.9	42.5	29.24	WNW	Moderate Wind (5-15 mph)	9.5	13	ND-Non Detect			
1/14/2025	17:02	OM-240 Ford Rd	950	CLR	N-None	3.4	43.8	29.26	WNW	Moderate Wind (5-15 mph)	8.9	11.9	ND-Non Detect			
1/16/2025	16:08	OM-220 494-W Walking Path	1850	OVC	N-None	33.2	52.6	29.33	WNW	Moderate Wind (5-15 mph)	11.6	14.2	4	4 - Moderate	-5	508 - Rendering - burning bone
1/16/2025	16:24	OM-160 Red Rock Crossing Transit Center	1850	OVC	N-None	34.4	49.6	29.28	WNW	Moderate Wind (5-15 mph)	9.4	12.9	ND-Non Detect			
1/16/2025	16:29	OM-270 Newport City Hall	1850	OVC	N-None	33.6	51.2	29.28	WNW	Moderate Wind (5-15 mph)	10	13.7	ND-Non Detect			
1/16/2025	16:33	OM-250 24th st & 3rd Ave	1850	OVC	N-None	32.8	50.6	29.3	WNW	Moderate Wind (5-15 mph)	7.8	11.1	ND-Non Detect			
1/16/2025	16:38	OM-260 Mayle-Trans Trucking School	1850	OVC	N-None	34.1	49.9	29.31	WNW	Moderate Wind (5-15 mph)	8.6	12	ND-Non Detect			
1/16/2025	16:47	OM-240 Ford Rd	1850	OVC	N-None	34.9	51	29.32	WNW	Moderate Wind (5-15 mph)	8.4	11.8	ND-Non Detect			
1/23/2025	15:30	OM-220 494-W Walking Path	1550	CLR	N-None	4.6	67.5	29.41	WNW	Moderate Wind (5-15 mph)	9.6	13.1	ND-Non Detect			
1/23/2025	15:43	OM-160 Red Rock Crossing Transit Center	1550	CLR	N-None	4.1	66.4	29.38	WNW	Moderate Wind (5-15 mph)	7.8	10.9	ND-Non Detect			
1/23/2025	15:48	OM-270 Newport City Hall	1550	CLR	N-None	3.8	67.2	29.4	WNW	Moderate Wind (5-15 mph)	8.5	12.3	ND-Non Detect			
1/23/2025	15:52	OM-250 24th st & 3rd Ave	1550	CLR	N-None	3	67.6	29.41	WNW	Moderate Wind (5-15 mph)	7.4	11.2	ND-Non Detect			
1/23/2025	16:06	OM-260 Mayle-Trans Trucking School	1550	CLR	N-None	3.2	68.3	29.41	WNW	Moderate Wind (5-15 mph)	8.2	11.8	ND-Non Detect			
1/23/2025	16:22	OM-240 Ford Rd	1550	CLR	N-None	32.5	64.2	29.34	WNW	Moderate Wind (5-15 mph)	10.8	18.3	ND-Non Detect			
1/25/2025	10:35	OM-160 Red Rock Crossing Transit Center	1500	CLR	N-None	36.8	66.8	29.32	WNW	Moderate Wind (5-15 mph)	7.6	13.4	ND-Non Detect			
1/25/2025	10:40	OM-270 Newport City Hall	1500	CLR	N-None	35.2	65.3	29.32	WNW	Moderate Wind (5-15 mph)	9.2	16.2	ND-Non Detect			
1/25/2025	10:44	OM-250 24th st & 3rd Ave	1500	CLR	N-None	35.5	65.7	29.33	WNW	Moderate Wind (5-15 mph)	8.4	15	ND-Non Detect			
1/25/2025	10:49	OM-260 Mayle-Trans Trucking School	1500	CLR	N-None	33	60.2	29.33	WNW	Moderate Wind (5-15 mph)	7.9	13.6	ND-Non Detect			
1/25/2025	10:57	OM-240 Ford Rd	1500	CLR	N-None	34.7	64.1	29.32	WNW	Moderate Wind (5-15 mph)	9.4	15.7	ND-Non Detect			
1/26/2025	14:10	OM-220 494-W Walking Path	925	CLR	N-None	7.6	72.4	29.4	SW	Moderate Wind (5-15 mph)	7.8	12.4	ND-Non Detect			
1/26/2025	14:23	OM-160 Red Rock Crossing Transit Center	925	CLR	N-None	10.2	69.3	29.45	SW	Light Breeze (1-5 mph)	4.2	7.8	ND-Non Detect			
1/26/2025	14:28	OM-270 Newport City Hall	925	CLR	N-None	8.4	70.1	29.43	SW	Moderate Wind (5-15 mph)	5.1	9.4	ND-Non Detect			
1/26/2025	14:32	OM-250 24th st & 3rd Ave	925	CLR	N-None	9.2	72.1	29.43	SW	Light Breeze (1-5 mph)	4.9	7.3	ND-Non Detect			
1/26/2025	14:37	OM-260 Mayle-Trans Trucking School	925	CLR	N-None	9.8	73.6	29.42	SW	Light Breeze (1-5 mph)	3.2	5.6	ND-Non Detect			
1/26/2025	14:45	OM-240 Ford Rd	925	CLR	N-None	10.6	70.2	29.43	SW	Light Breeze (1-5 mph)	2.9	6.2	ND-Non Detect			
1/28/2025	14:41	OM-220 494-W Walking Path	500	CLR	N-None	37.6	62.1	29.41	SW	Moderate Wind (5-15 mph)	12.3	17.8	ND-Non Detect			
1/28/2025	14:53	OM-160 Red Rock Crossing Transit Center	500	CLR	N-None	34.8	54.2	29.41	SW	Moderate Wind (5-15 mph)	8.4	15.2	ND-Non Detect			
1/28/2025	14:58	OM-270 Newport City Hall	500	CLR	N-None	36.8	58.3	29.43	SW	Moderate Wind (5-15 mph)	9.2	16.1	ND-Non Detect			
1/28/2025	15:02	OM-250 24th st & 3rd Ave	500	CLR	N-None	35.2	62.3	29.42	SW	Moderate Wind (5-15 mph)	7.1	12.6	ND-Non Detect			
1/28/2025	15:07	OM-260 Mayle-Trans Trucking School	500	CLR	N-None	36.6	60.9	29.42	SW	Moderate Wind (5-15 mph)	10.2	16	ND-Non Detect			
1/28/2025	15:15	OM-240 Ford Rd	500	CLR	N-None	36.5	61	29.42	SW	Moderate Wind (5-15 mph)	9.4	14.4	ND-Non Detect			
2/3/2025	15:02	OM-220 494-W Walking Path	300	SCT	N-None	28.9	74.3	29.51	N	Moderate Wind (5-15 mph)	6.8	7.9	ND-Non Detect			

Table 1 (continued)

Date	Loc #	Location	R&E Center Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor	
2/3/2025 15:18	OM-160	Red Rock Crossing Transit Center	300	SCT	N-None	30.2	68.2	29.47	N	Light Breeze (1-5 mph)	2.4	4.1	ND-Non Detect				
2/3/2025 15:29	OM-270	Newport City Hall	300	SCT	N-None	29.4	71.5	29.45	N	Light Breeze (1-5 mph)	3.7	5.2	ND-Non Detect				
2/3/2025 15:27	OM-250	24th st & 3rd Ave	300	SCT	N-None	31.8	69.7	29.45	N	Light Breeze (1-5 mph)	2.5	4	ND-Non Detect				
2/3/2025 15:33	OM-260	Mayle-Trans Trucking School	300	SCT	N-None	32.7	65.2	29.45	N	Light Breeze (1-5 mph)	3.6	6.7	ND-Non Detect				
2/3/2025 15:41	OM-240	Ford Rd	300	SCT	N-None	30.3	70.3	29.45	N	Light Breeze (1-5 mph)	2.2	3.7	ND-Non Detect				
2/6/2025 14:30	OM-220	494-W Walking Path	700	SCT	N-None	18.6	61.2	29.32	WNW	Moderate Wind (5-15 mph)	10.2	13.6	4	4 - Moderate	-6	508 - Rendering - burning bone	
2/6/2025 14:40	OM-160	Red Rock Crossing Transit Center	700	SCT	N-None	15.4	59.8	29.3	WNW	Moderate Wind (5-15 mph)	5.1	8	ND-Non Detect				
2/6/2025 14:48	OM-270	Newport City Hall	700	SCT	N-None	17.6	58.3	29.3	WNW	Moderate Wind (5-15 mph)	8.4	11.5	1	1 - Very Weak	-1	508 - Rendering - burning bone	
2/6/2025 14:53	OM-250	24th st & 3rd Ave	700	SCT	N-None	16.8	56.4	29.31	WNW	Light Breeze (1-5 mph)	3.2	5.8	2	1 - Very Weak	-3	508 - Rendering - burning bone	
2/6/2025 14:59	OM-260	Mayle-Trans Trucking School	700	SCT	N-None	17.1	59.2	29.31	WNW	Light Breeze (1-5 mph)	4.6	7.4	ND-Non Detect				
2/6/2025 15:06	OM-240	Ford Rd	700	SCT	N-None	18	57.6	29.31	WNW	Light Breeze (1-5 mph)	4.2	6.9	ND-Non Detect				
2/11/2025 15:18	OM-220	494-W Walking Path	525	CLR	N-None	2.4	69.8	29.4	N	Light Breeze (1-5 mph)	4.2	7.8	ND-Non Detect				
2/11/2025 15:31	OM-160	Red Rock Crossing Transit Center	525	CLR	N-None	1.7	63.2	29.38	N	Light Breeze (1-5 mph)	2.5	3.9	ND-Non Detect				
2/11/2025 15:38	OM-270	Newport City Hall	525	CLR	N-None	3.3	61.3	29.37	N	Light Breeze (1-5 mph)	3.2	5.8	ND-Non Detect				
2/11/2025 15:43	OM-250	24th st & 3rd Ave	525	CLR	N-None	4.8	64.2	29.37	N	Light Breeze (1-5 mph)	1.4	2.2	ND-Non Detect				
2/11/2025 15:47	OM-260	Mayle-Trans Trucking School	525	CLR	N-None	3.9	65.1	29.38	N	Light Breeze (1-5 mph)	2.8	4.2	ND-Non Detect				
2/11/2025 15:54	OM-240	Ford Rd	525	CLR	N-None	4.1	66.3	29.38	N	Light Breeze (1-5 mph)	1.9	3.5	ND-Non Detect				
2/12/2025 16:31	OM-220	494-W Walking Path	600	SCT	N-None	2.9	59.8	29.31	N	Light Breeze (1-5 mph)	4.6	6.2	ND-Non Detect				
2/12/2025 16:44	OM-160	Red Rock Crossing Transit Center	600	SCT	N-None	4.6	58.2	29.31	N	Light Breeze (1-5 mph)	1.6	3.3	ND-Non Detect				
2/12/2025 16:49	OM-270	Newport City Hall	600	SCT	N-None	5.3	59.6	29.32	N	Moderate Wind (5-15 mph)	5.2	6.4	ND-Non Detect				
2/12/2025 16:53	OM-250	24th st & 3rd Ave	600	SCT	N-None	4.8	57.4	29.32	N	Light Breeze (1-5 mph)	3.4	4.6	ND-Non Detect				
2/12/2025 16:58	OM-260	Mayle-Trans Trucking School	600	SCT	N-None	5.1	57.9	29.32	N	Light Breeze (1-5 mph)	4	5.9	ND-Non Detect				
2/12/2025 17:06	OM-240	Ford Rd	600	SCT	N-None	3.9	58.7	29.32	N	Light Breeze (1-5 mph)	2	2.8	ND-Non Detect				
2/15/2025 10:45	OM-220	494-W Walking Path	900	OVC	N-None	24.8	75.9	29.28	NE	Light Breeze (1-5 mph)	3.7	6.2	ND-Non Detect				
2/15/2025 10:57	OM-160	Red Rock Crossing Transit Center	900	OVC	N-None	26.2	74.2	29.27	NE	Light Breeze (1-5 mph)	3.5	5.9	ND-Non Detect				
2/15/2025 11:07	OM-270	Newport City Hall	900	OVC	N-None	25.1	75.6	29.28	NE	Light Breeze (1-5 mph)	4.2	5.9	ND-Non Detect	2	1 - Very Weak	-3	508 - Rendering - burning bone
2/15/2025 11:11	OM-250	24th st & 3rd Ave	900	OVC	N-None	27.8	73.8	29.28	NE	Light Breeze (1-5 mph)	2.1	2.8	ND-Non Detect				
2/15/2025 11:17	OM-260	Mayle-Trans Trucking School	900	OVC	N-None	25.1	74.2	29.28	NE	Light Breeze (1-5 mph)	1.7	2.9	ND-Non Detect				
2/15/2025 11:19	OM-240	Ford Rd	900	OVC	N-None	26	74.2	29.27	NE	Light Breeze (1-5 mph)	2.7	4.4	ND-Non Detect				
2/16/2025 13:58	OM-220	494-W Walking Path	500	CLR	N-None	3.1	53.1	29.36	WNW	Light Breeze (1-5 mph)	4.3	5.8	ND-Non Detect				
2/16/2025 14:09	OM-160	Red Rock Crossing Transit Center	500	CLR	N-None	5.2	51.7	29.36	WNW	Light Breeze (1-5 mph)	2.3	6.1	ND-Non Detect				
2/16/2025 14:15	OM-270	Newport City Hall	500	CLR	N-None	4.6	50	29.36	WNW	Light Breeze (1-5 mph)	3.6	6.9	ND-Non Detect				
2/16/2025 14:17	OM-250	24th st & 3rd Ave	500	CLR	N-None	5.3	52.3	29.36	WNW	Light Breeze (1-5 mph)	2.9	5.2	ND-Non Detect				
2/16/2025 14:21	OM-260	Mayle-Trans Trucking School	500	CLR	N-None	5	51.4	29.36	WNW	Light Breeze (1-5 mph)	2.5	4.3	ND-Non Detect				
2/16/2025 14:28	OM-240	Ford Rd	500	CLR	N-None	4.9	52.2	29.34	WNW	Light Breeze (1-5 mph)	1.9	4.1	ND-Non Detect				
2/17/2025 15:30	OM-220	494-W Walking Path	500	CLR	N-None	-2.1	56.7	29.38	NW	Moderate Wind (5-15 mph)	8.1	11.3	ND-Non Detect				
2/17/2025 15:42	OM-160	Red Rock Crossing Transit Center	500	CLR	N-None	-1.1	56.9	29.38	NW	Moderate Wind (5-15 mph)	7	10.2	ND-Non Detect				
2/17/2025 15:47	OM-270	Newport City Hall	500	CLR	N-None	1.2	57.4	29.38	NW	Light Breeze (1-5 mph)	3.6	6	ND-Non Detect				
2/17/2025 15:53	OM-250	24th st & 3rd Ave	500	CLR	N-None	-1.8	57.3	29.38	NW	Light Breeze (1-5 mph)	1.4	3.2	ND-Non Detect				
2/17/2025 15:56	OM-260	Mayle-Trans Trucking School	500	CLR	N-None	1	57.2	29.38	NW	Light Breeze (1-5 mph)	1.5	2.4	ND-Non Detect				
2/20/2025 16:02	OM-240	Ford Rd	850	CLR	N-None	0.2	57.4	29.38	NW	Light Breeze (1-5 mph)	3.2	5.3	ND-Non Detect				
2/20/2025 16:05	OM-220	494-W Walking Path	850	CLR	N-None	9.8	59.6	29.41	WNW	Moderate Wind (5-15 mph)	7.3	10.6	ND-Non Detect				
2/20/2025 16:12	OM-160	Red Rock Crossing Transit Center	850	CLR	N-None	11.1	62.1	29.39	WNW	Light Breeze (1-5 mph)	4.3	6.7	ND-Non Detect				
2/20/2025 16:15	OM-270	Newport City Hall	850	CLR	N-None	10.2	60.3	29.38	WNW	Light Breeze (1-5 mph)	3.5	6.2	ND-Non Detect				
2/20/2025 16:19	OM-250	24th st & 3rd Ave	850	CLR	N-None	11	62.8	29.39	WNW	Light Breeze (1-5 mph)	3.2	5.9	ND-Non Detect				
2/20/2025 16:24	OM-260	Mayle-Trans Trucking School	850	CLR	N-None	10.7	61.7	29.39	WNW	Light Breeze (1-5 mph)	2.6	5.1	ND-Non Detect				
2/24/2025 16:32	OM-240	Ford Rd	850	CLR	N-None	11.4	62.1	29.39	WNW	Light Breeze (1-5 mph)	2.8	5.4	ND-Non Detect				
2/24/2025 16:00	OM-220	494-W Walking Path	300	CLR	N-None	47.2	66.2	29.21	WNW	Moderate Wind (5-15 mph)	7.8	11.1	ND-Non Detect				
2/24/2025 16:13	OM-160	Red Rock Crossing Transit Center	300	CLR	N-None	49.1	64.6	29.18	WNW	Light Breeze (1-5 mph)	4.8	6.7	ND-Non Detect				
2/24/2025 16:16	OM-270	Newport City Hall	300	CLR	N-None	48.5	64	29.18	WNW	Moderate Wind (5-15 mph)	5.6	7.3	ND-Non Detect				
2/24/2025 16:20	OM-250	24th st & 3rd Ave	300	CLR	N-None	48.3	63.7	29.18	WNW	Light Breeze (1-5 mph)	4.3	6.4	ND-Non Detect				
2/24/2025 16:24	OM-260	Mayle-Trans Trucking School	300	CLR	N-None	47.9	64.2	29.19	WNW	Light Breeze (1-5 mph)	4.6	7	ND-Non Detect				
2/24/2025 16:32	OM-240	Ford Rd	300	CLR	N-None	48.2	64.4	29.19	WNW	Light Breeze (1-5 mph)	3.9	5.2	ND-Non Detect				
2/26/2025 16:10	OM-220	494-W Walking Path	375	CLR	N-None	41.1	73.6	29.22	NW	Light Breeze (1-5 mph)	4.6	6.3	ND-Non Detect				
2/26/2025 16:23	OM-160	Red Rock Crossing Transit Center	375	CLR	N-None	43.5	71.8	29.23	NW	Light Breeze (1-5 mph)	3.7	5.8	ND-Non Detect				
2/26/2025 16:27	OM-270	Newport City Hall	375	CLR	N-None	42.8	73.8	29.23	NW	Moderate Wind (5-15 mph)	5.2	7.4	ND-Non Detect				
2/26/2025 16:32	OM-250	24th st & 3rd Ave	375	CLR	N-None	43.7	70.9	29.21	NW	Light Breeze (1-5 mph)	4.8	6.8	ND-Non Detect				
2/26/2025 16:38	OM-260	Mayle-Trans Trucking School	375	CLR	N-None	44	72.8	29.21	NW	Light Breeze (1-5 mph)	3.8	5.9	ND-Non Detect				
2/26/2025 16:45	OM-240	Ford Rd	375	CLR	N-None	43.5	73	29.24	NW	Light Breeze (1-5 mph)	4	6.3	ND-Non Detect				
2/27/2025 15:53	OM-220	494-W Walking Path	375	SCT	N-None	38.7	51.4	29.24	NW	Moderate Wind (5-15 mph)	10.2	11.5	ND-Non Detect				
2/27/2025 16:07	OM-160	Red Rock Crossing Transit Center	375	SCT	N-None	41.2	50.1	29.24	NW	Light Breeze (1-5 mph)	2.2	4	ND-Non Detect				

Table 1 (continued)

Date	Loc #	Location	R&E Center Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
2/27/2025 16:12	OM-270	Newport City Hall	375	SCT	N-None	39.1	51.2	29.22	NW	Light Breeze (1-5 mph)	2.7	3.7	ND-Non Detect			
2/27/2025 16:15	OM-250	24th st & 3rd Ave	375	SCT	N-None	40.6	49.8	29.22	NW	Light Breeze (1-5 mph)	2.3	3.1	ND-Non Detect	1 - Very Weak	-2	508 - Rendering - burning bone
2/27/2025 16:20	OM-260	Mayle-Trans Trucking School	375	SCT	N-None	41.1	50.6	29.22	NW	Light Breeze (1-5 mph)	4.1	4.2	ND-Non Detect			
2/27/2025 16:28	OM-240	Ford Rd	375	SCT	N-None	40.2	51.7	29.22	NW	Light Breeze (1-5 mph)	3.8	6.2	ND-Non Detect			
3/3/2025 15:33	OM-220	494-W Walking Path	200	CLR	N-None	40	45.9	29.18	NW	Moderate Wind (5-15 mph)	8.3	13.2	ND-Non Detect			
3/3/2025 15:59	OM-160	Red Rock Crossing Transit Center	200	CLR	N-None	45.2	44.1	29.18	NW	Moderate Wind (5-15 mph)	7.2	11.6	ND-Non Detect			
3/3/2025 16:03	OM-270	Newport City Hall	200	CLR	N-None	43.1	45.6	29.16	NW	Moderate Wind (5-15 mph)	7.8	12.3	ND-Non Detect			
3/3/2025 16:10	OM-250	24th st & 3rd Ave	200	CLR	N-None	44.7	44.8	29.16	NW	Moderate Wind (5-15 mph)	6.4	8.9	ND-Non Detect			
3/3/2025 16:15	OM-260	Mayle-Trans Trucking School	200	CLR	N-None	42.1	44.7	29.16	NW	Moderate Wind (5-15 mph)	6.7	9.4	ND-Non Detect			
3/3/2025 16:29	OM-240	Ford Rd	200	CLR	N-None	43.6	44.7	29.16	NW	Moderate Wind (5-15 mph)	6.3	10.2	ND-Non Detect			
3/5/2025 16:02	OM-220	494-W Walking Path	700	OVC	N-None	21.2	57.2	29.14	NNW	Moderate Wind (5-15 mph)	13.7	18.2	ND-Non Detect			
3/5/2025 16:17	OM-160	Red Rock Crossing Transit Center	700	OVC	N-None	25.6	56.1	29.14	NNW	Moderate Wind (5-15 mph)	12.1	15.2	ND-Non Detect			
3/5/2025 16:24	OM-270	Newport City Hall	700	OVC	N-None	23.4	55.7	29.13	NNW	Moderate Wind (5-15 mph)	13.2	17.1	ND-Non Detect			
3/5/2025 16:30	OM-250	24th st & 3rd Ave	700	OVC	N-None	25.1	54.2	29.13	NNW	Moderate Wind (5-15 mph)	12.6	16.5	ND-Non Detect			
3/5/2025 16:36	OM-260	Mayle-Trans Trucking School	700	OVC	N-None	24.7	56.7	29.14	NNW	Moderate Wind (5-15 mph)	11.8	14.8	ND-Non Detect			
3/5/2025 16:45	OM-240	Ford Rd	700	OVC	N-None	23.9	56.4	29.14	NNW	Moderate Wind (5-15 mph)	12	17.6	ND-Non Detect			
3/8/2025 14:45	OM-220	494-W Walking Path	675	CLR	N-None	29.8	65.1	29.23	NNW	Moderate Wind (5-15 mph)	8.7	8.2	ND-Non Detect			
3/8/2025 14:56	OM-160	Red Rock Crossing Transit Center	675	CLR	N-None	34.1	63.8	29.21	NNW	Light Breeze (1-5 mph)	4.6	6.8	ND-Non Detect			
3/8/2025 14:59	OM-270	Newport City Hall	675	CLR	N-None	33.3	64.7	29.22	NNW	Moderate Wind (5-15 mph)	5.3	7.5	ND-Non Detect			
3/8/2025 15:06	OM-250	24th st & 3rd Ave	675	CLR	N-None	32.8	63	29.23	NNW	Light Breeze (1-5 mph)	4.2	5.7	ND-Non Detect			
3/8/2025 15:10	OM-260	Mayle-Trans Trucking School	675	CLR	N-None	32	64.9	29.23	NNW	Light Breeze (1-5 mph)	3.6	5.4	ND-Non Detect			
3/8/2025 15:16	OM-240	Ford Rd	675	CLR	N-None	33.1	65	29.23	NNW	Light Breeze (1-5 mph)	3.9	6.1	ND-Non Detect			
3/9/2025 8:51	OM-220	494-W Walking Path	900	CLR	N-None	33.2	70.6	29.2	NNW	Light Breeze (1-5 mph)	4.4	8	ND-Non Detect			
3/9/2025 9:03	OM-160	Red Rock Crossing Transit Center	900	CLR	N-None	35.6	69.1	29.2	NNW	Light Breeze (1-5 mph)	2.8	6.4	ND-Non Detect			
3/9/2025 9:09	OM-270	Newport City Hall	900	CLR	N-None	34.1	71.1	29.2	NNW	Light Breeze (1-5 mph)	3	6.9	ND-Non Detect			
3/9/2025 9:14	OM-250	24th st & 3rd Ave	900	CLR	N-None	36	68.4	29.2	NNW	Light Breeze (1-5 mph)	4.5	6.7	ND-Non Detect			
3/9/2025 9:18	OM-260	Mayle-Trans Trucking School	900	CLR	N-None	36.2	69.7	29.2	NNW	Light Breeze (1-5 mph)	2.3	5.9	ND-Non Detect			
3/9/2025 9:24	OM-240	Ford Rd	900	CLR	N-None	35.9	70.1	29.19	NNW	Light Breeze (1-5 mph)	3.8	5.9	ND-Non Detect			
3/10/2025 1:15	OM-220	494-W Walking Path	700	CLR	N-None	49.8	51.4	29.16	NW	Moderate Wind (5-15 mph)	10.2	18.2	ND-Non Detect			
3/10/2025 1:23	OM-160	Red Rock Crossing Transit Center	700	CLR	N-None	51.1	50.2	29.15	NW	Moderate Wind (5-15 mph)	8.3	13.2	ND-Non Detect			
3/10/2025 1:40	OM-270	Newport City Hall	700	CLR	N-None	50.8	51.2	29.16	NW	Light Breeze (1-5 mph)	4.2	6.3	ND-Non Detect			
3/10/2025 1:49	OM-250	24th st & 3rd Ave	700	CLR	N-None	52.1	49.8	29.16	NW	Light Breeze (1-5 mph)	3.8	5.8	ND-Non Detect			
3/10/2025 1:51	OM-260	Mayle-Trans Trucking School	700	CLR	N-None	51.6	50.7	29.16	NW	Moderate Wind (5-15 mph)	3.2	9.8	ND-Non Detect			
3/10/2025 1:59	OM-240	Ford Rd	700	CLR	N-None	51.9	51.7	29.16	NW	Light Breeze (1-5 mph)	1.9	4.1	ND-Non Detect			
3/14/2025 16:49	OM-220	494-W Walking Path	550	CLR	N-None	57.7	57.8	29.14	NNW	Moderate Wind (5-15 mph)	9.7	10.8	ND-Non Detect	3 - Weak/Moderate	-5	508 - Rendering - burning bone
3/14/2025 16:50	OM-160	Red Rock Crossing Transit Center	550	CLR	N-None	60.1	56.9	29.14	NNW	Light Breeze (1-5 mph)	4	5.3	ND-Non Detect			
3/14/2025 16:49	OM-270	Newport City Hall	550	CLR	N-None	59.8	57.4	29.14	NNW	Light Breeze (1-5 mph)	4.4	8	ND-Non Detect	2 - Weak	-4	508 - Rendering - burning bone
3/14/2025 16:59	OM-250	24th st & 3rd Ave	550	CLR	N-None	60.3	56	29.14	NNW	Light Breeze (1-5 mph)	2	3.6	ND-Non Detect	1 - Very Weak	-2	508 - Rendering - burning bone
3/14/2025 16:59	OM-260	Mayle-Trans Trucking School	550	CLR	N-None	60.7	57.1	29.14	NNW	Light Breeze (1-5 mph)	3.5	5.2	ND-Non Detect			
3/14/2025 17:05	OM-240	Ford Rd	550	CLR	N-None	59.9	56.7	29.14	NNW	Light Breeze (1-5 mph)	5.3	8.2	ND-Non Detect			
3/21/2025 16:10	OM-220	494-W Walking Path	450	SCT	N-None	51.2	65.2	29.18	NNW	Light Breeze (1-5 mph)	4.9	8.7	ND-Non Detect			
3/21/2025 16:24	OM-160	Red Rock Crossing Transit Center	450	SCT	N-None	53	63.8	29.19	NNW	Light Breeze (1-5 mph)	4.6	7.8	ND-Non Detect			
3/21/2025 16:31	OM-270	Newport City Hall	450	SCT	N-None	52.6	62.9	29.19	NNW	Light Breeze (1-5 mph)	3.2	4.3	ND-Non Detect			
3/21/2025 16:35	OM-250	24th st & 3rd Ave	450	SCT	N-None	51.9	63.4	29.18	NNW	Light Breeze (1-5 mph)	4.1	5	ND-Non Detect			
3/21/2025 16:41	OM-260	Mayle-Trans Trucking School	450	SCT	N-None	53.4	64.1	29.18	NNW	Light Breeze (1-5 mph)	3.8	4.9	ND-Non Detect			
3/21/2025 16:49	OM-240	Ford Rd	450	SCT	N-None	52.2	64.5	29.18	NNW	Light Breeze (1-5 mph)	2.4	4.9	ND-Non Detect			
3/24/2025 16:01	OM-220	494-W Walking Path	175	CLR	N-None	39.6	45.3	29.21	NW	Moderate Wind (5-15 mph)	9.2	13.5	ND-Non Detect			
3/24/2025 16:13	OM-160	Red Rock Crossing Transit Center	175	CLR	N-None	40.2	42.9	29.21	NW	Moderate Wind (5-15 mph)	5.8	8.4	ND-Non Detect			
3/24/2025 16:17	OM-270	Newport City Hall	175	CLR	N-None	42.3	43.8	29.21	NW	Moderate Wind (5-15 mph)	7.6	10.6	ND-Non Detect			
3/24/2025 16:21	OM-250	24th st & 3rd Ave	175	CLR	N-None	41.1	44.8	29.21	NW	Moderate Wind (5-15 mph)	5.3	8.9	ND-Non Detect			
3/24/2025 16:24	OM-260	Mayle-Trans Trucking School	175	CLR	N-None	43	45.1	29.21	NW	Moderate Wind (5-15 mph)	6.7	9.6	ND-Non Detect			
3/24/2025 16:34	OM-240	Ford Rd	175	CLR	N-None	42.5	43.9	29.21	NW	Moderate Wind (5-15 mph)	6.4	8.7	ND-Non Detect			
3/26/2025 16:40	OM-220	494-W Walking Path	150	CLR	N-None	51.1	49.7	29.31	NW	Moderate Wind (5-15 mph)	7.6	12.3	ND-Non Detect			
3/26/2025 16:52	OM-160	Red Rock Crossing Transit Center	150	CLR	N-None	52.9	47.8	29.31	NW	Moderate Wind (5-15 mph)	6.2	10.2	ND-Non Detect			
3/26/2025 16:57	OM-270	Newport City Hall	150	CLR	N-None	53	48.6	29.29	NW	Moderate Wind (5-15 mph)	7.4	11.6	ND-Non Detect			
3/26/2025 17:01	OM-250	24th st & 3rd Ave	150	CLR	N-None	54	46.2	29.29	NW	Moderate Wind (5-15 mph)	5.9	9.2	ND-Non Detect			
3/26/2025 17:06	OM-260	Mayle-Trans Trucking School	150	CLR	N-None	53.6	47.3	29.29	NW	Moderate Wind (5-15 mph)	6.3	10.8	ND-Non Detect			
3/26/2025 17:13	OM-240	Ford Rd	150	CLR	N-None	53.1	48.4	29.29	NW	Moderate Wind (5-15 mph)	6.8	11	ND-Non Detect			
3/28/2025 15:15	OM-220	494-W Walking Path	725	SCT	N-None	52.1	73.3	29.21	NNW	Moderate Wind (5-15 mph)	6.9	11	ND-Non Detect			
3/28/2025 15:20	OM-160	Red Rock Crossing Transit Center	725	SCT	N-None	54.6	68.2	29.19	NNW	Moderate Wind (5-15 mph)	5	9.6	ND-Non Detect			

Table 1 (continued)

Date	Loc #	Location	R&E Center Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
3/28/2025 1 530	OM-270	Newport City Hall	725	SCT	N-None	53.8	71.4	29.19	WNW	Moderate Wind (5-15 mph)	6.4	10.1	ND-Non Detect			
3/28/2025 1 534	OM-250	24th st & 3rd Ave	725	SCT	N-None	54.4	69.5	29.19	WNW	Light Breeze (1-5 mph)	2.7	6.4	ND-Non Detect			
3/28/2025 1 539	OM-260	Mayle-Trans Trucking School	725	SCT	N-None	53.9	70.2	29.2	WNW	Light Breeze (1-5 mph)	4.6	8.7	ND-Non Detect			
3/28/2025 1 547	OM-240	Ford Rd	725	SCT	N-None	53.4	70.6	29.2	WNW	Light Breeze (1-5 mph)	3.8	7	ND-Non Detect			
3/31/2025 1 540	OM-220	494-W Walking Path	400	SCT	N-None	30.2	58.7	29.26	NE	Light Breeze (1-5 mph)	4.5	8.4	ND-Non Detect			
3/31/2025 1 553	OM-160	Red Rock Crossing Transit Center	400	SCT	N-None	32.6	56.9	29.26	NE	Light Breeze (1-5 mph)	3	6.3	ND-Non Detect			
3/31/2025 1 557	OM-270	Newport City Hall	400	SCT	N-None	33.2	54.7	29.26	NE	Light Breeze (1-5 mph)	4.1	7.9	ND-Non Detect			
3/31/2025 1 601	OM-250	24th st & 3rd Ave	400	SCT	N-None	34.2	56.3	29.26	NE	Light Breeze (1-5 mph)	2.6	5.7	ND-Non Detect			
3/31/2025 1 605	OM-260	Mayle-Trans Trucking School	400	SCT	N-None	33.8	56.1	29.26	NE	Light Breeze (1-5 mph)	3.8	8	ND-Non Detect			
3/31/2025 1 611	OM-240	Ford Rd	400	SCT	N-None	34.5	56.7	29.26	NE	Light Breeze (1-5 mph)	3.2	6.9	ND-Non Detect			

Notes: ND = non-detect  
 D/T = dilution/threshold  
 mph = miles per hour  
 R&E Center = Ramsey/Washington Recycling & Energy Center  
 Wind directions = North (N), South (S), East (E), West (W) or any combination thereof.  
 Municipal Solid Waste (MSW) Detect

< = less than  
 > = greater than  
 \*Hedonic tone is a purely subjective measurement. The rating is from -10 to +10 with -10 being the worst smell an individual has been subjected to with a 10 being the best smelling

Prepared by: ACST  
 Checked by: GGR

**Table 2**  
**Quarter 2 Odor Monitoring - April 1 through June 30, 2025**  
**Ramsey/Washington Recycling & Energy Center**

Date	Loc #	Location	Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
4/2/2025 16:10	OM-220	494-W Walking Path	750	OVC	N-None	35.6	72.4	29.28	NNW	Moderate Wind (5-15 mph)	13.2	18.7	ND-Non Detect			
4/2/2025 16:23	OM-160	Red Rock Crossing Transit Center	750	OVC	N-None	37.1	73.1	29.27	NNW	Moderate Wind (5-15 mph)	12	18.9	ND-Non Detect			
4/2/2025 16:29	OM-270	Newport City Hall	750	OVC	N-None	36.4	70.2	29.27	NNW	Moderate Wind (5-15 mph)	12.6	18.4	ND-Non Detect			
4/2/2025 16:34	OM-250	24th st & 3rd Ave	750	OVC	N-None	36.6	71.5	29.28	NNW	Moderate Wind (5-15 mph)	11.8	15.7	ND-Non Detect			
4/2/2025 16:41	OM-260	Mayle-Trans Trucking School	750	OVC	N-None	37.4	71.9	29.28	NNW	Moderate Wind (5-15 mph)	11.1	15	ND-Non Detect			
4/2/2025 16:52	OM-240	Ford Rd	750	OVC	N-None	37	72.6	29.27	NNW	Moderate Wind (5-15 mph)	11.3	16.2	ND-Non Detect			
4/10/2025 16:04	OM-220	494-W Walking Path	150	SCT	N-None	44	69.1	29.36	NNW	Moderate Wind (5-15 mph)	1.9	9.8	ND-Non Detect	2	1 - Very Weak	508 - Rendering - burning
4/10/2025 16:12	OM-160	Red Rock Crossing Transit Center	150	SCT	N-None	45.9	66.8	29.34	NNW	Light Breeze (1-5 mph)	4.7	6.4	ND-Non Detect			
4/10/2025 16:15	OM-270	Newport City Hall	150	SCT	N-None	46.3	65.2	29.34	NNW	Light Breeze (1-5 mph)	2	3.1	ND-Non Detect			
4/10/2025 16:18	OM-250	24th st & 3rd Ave	150	SCT	N-None	45.7	64.8	29.34	NNW	Light Breeze (1-5 mph)	2.9	3.5	ND-Non Detect			
4/10/2025 16:25	OM-260	Mayle-Trans Trucking School	150	SCT	N-None	46.4	66.3	29.34	NNW	Light Breeze (1-5 mph)	2.6	4.7	ND-Non Detect			
4/10/2025 16:34	OM-240	Ford Rd	150	SCT	N-None	46	65.9	29.34	NNW	Light Breeze (1-5 mph)	2.6	4.7	ND-Non Detect			
4/11/2025 15:30	OM-220	494-W Walking Path	100	OVC	N-None	42.1	64.7	29.38	NNW	Light Breeze (1-5 mph)	3.9	7.4	ND-Non Detect			
4/11/2025 15:44	OM-160	Red Rock Crossing Transit Center	100	OVC	N-None	43	60.2	29.38	NNW	Light Breeze (1-5 mph)	2.8	5.2	ND-Non Detect			
4/11/2025 15:49	OM-270	Newport City Hall	100	OVC	N-None	43.5	62.2	29.39	NNW	Light Breeze (1-5 mph)	3.5	6.9	ND-Non Detect			
4/11/2025 15:54	OM-250	24th st & 3rd Ave	100	OVC	N-None	43.2	57.9	29.39	NNW	Light Breeze (1-5 mph)	3	5.8	ND-Non Detect			
4/11/2025 15:59	OM-260	Mayle-Trans Trucking School	100	OVC	N-None	44.1	56.7	29.39	NNW	Light Breeze (1-5 mph)	3.9	7.9	ND-Non Detect			
4/11/2025 16:08	OM-240	Ford Rd	100	OVC	N-None	43.8	61.3	29.38	NNW	Light Breeze (1-5 mph)	4.2	9.1	ND-Non Detect			
4/14/2025 16:03	OM-220	494-W Walking Path	125	OVC	N-None	48.9	52.1	29.27	NNW	Moderate Wind (5-15 mph)	11.9	17.2	ND-Non Detect			
4/14/2025 16:15	OM-160	Red Rock Crossing Transit Center	125	OVC	N-None	50.2	46.8	29.25	NNW	Moderate Wind (5-15 mph)	9.8	14.2	ND-Non Detect			
4/14/2025 16:18	OM-270	Newport City Hall	125	OVC	N-None	51.3	52.5	29.26	NNW	Moderate Wind (5-15 mph)	10.6	15.6	ND-Non Detect			
4/14/2025 16:22	OM-250	24th st & 3rd Ave	125	OVC	N-None	50.9	52.3	29.26	NNW	Moderate Wind (5-15 mph)	8.7	13.2	ND-Non Detect			
4/14/2025 16:27	OM-260	Mayle-Trans Trucking School	125	OVC	N-None	51.6	52.3	29.25	NNW	Moderate Wind (5-15 mph)	9.4	14.6	ND-Non Detect			
4/14/2025 16:35	OM-240	Ford Rd	125	OVC	N-None	50.7	51.8	29.27	NNW	Moderate Wind (5-15 mph)	10.1	15	ND-Non Detect			
4/15/2025 16:15	OM-220	494-W Walking Path	350	BKN	N-None	52	41.1	29.3	NNW	Moderate Wind (5-15 mph)	14.2	17.8	ND-Non Detect			
4/15/2025 16:29	OM-160	Red Rock Crossing Transit Center	350	BKN	N-None	53.4	40.6	29.3	NNW	Moderate Wind (5-15 mph)	10.6	13.2	ND-Non Detect			
4/15/2025 16:34	OM-270	Newport City Hall	350	BKN	N-None	55.2	41.4	29.25	NNW	Moderate Wind (5-15 mph)	12.8	15.5	ND-Non Detect			
4/15/2025 16:40	OM-250	24th st & 3rd Ave	350	BKN	N-None	54.7	40.5	29.3	NNW	Moderate Wind (5-15 mph)	11.4	14.6	ND-Non Detect			
4/15/2025 16:46	OM-260	Mayle-Trans Trucking School	350	BKN	N-None	54.3	40.5	29.3	NNW	Moderate Wind (5-15 mph)	9.2	13	ND-Non Detect			
4/15/2025 16:53	OM-240	Ford Rd	350	BKN	N-None	55	41.3	29.3	NNW	Moderate Wind (5-15 mph)	9.9	13.5	ND-Non Detect			
4/16/2025 14:02	OM-220	494-W Walking Path	750	CLR	N-None	62.1	26.6	29.21	SE	Moderate Wind (5-15 mph)	6	8.1	ND-Non Detect			
4/16/2025 14:14	OM-160	Red Rock Crossing Transit Center	750	CLR	N-None	58.5	27.9	29.25	SE	Light Breeze (1-5 mph)	3.3	6.6	ND-Non Detect			
4/16/2025 14:22	OM-270	Newport City Hall	750	CLR	N-None	60.4	28.1	29.26	SE	Light Breeze (1-5 mph)	2.9	6.3	ND-Non Detect			
4/16/2025 14:25	OM-250	24th st & 3rd Ave	750	CLR	N-None	64.9	34.8	29.24	SE	Light Breeze (1-5 mph)	2.7	4.2	ND-Non Detect			
4/16/2025 14:30	OM-260	Mayle-Trans Trucking School	750	CLR	N-None	65	31.2	29.23	SE	Light Breeze (1-5 mph)	3.6	7.6	ND-Non Detect			
4/16/2025 14:37	OM-240	Ford Rd	750	CLR	N-None	65.8	23.5	29.21	SE	Light Breeze (1-5 mph)	2.4	5.1	ND-Non Detect			
4/19/2025 9:16	OM-220	494-W Walking Path	1750	CLR	N-None	41.2	59.6	29.28	NNW	Moderate Wind (5-15 mph)	5.4	7.2	ND-Non Detect			
4/19/2025 9:28	OM-160	Red Rock Crossing Transit Center	1750	CLR	N-None	43.5	62.1	29.28	NNW	Light Breeze (1-5 mph)	4.7	8.4	ND-Non Detect			
4/19/2025 9:34	OM-270	Newport City Hall	1750	CLR	N-None	42.2	60.3	29.28	NNW	Light Breeze (1-5 mph)	3.2	5.3	ND-Non Detect			
4/19/2025 9:40	OM-250	24th st & 3rd Ave	1750	CLR	N-None	44.6	62.8	29.28	NNW	Light Breeze (1-5 mph)	4.9	9.2	ND-Non Detect			
4/19/2025 9:46	OM-260	Mayle-Trans Trucking School	1750	CLR	N-None	45.1	61.7	29.28	NNW	Light Breeze (1-5 mph)	3.1	7.1	ND-Non Detect			
4/19/2025 9:52	OM-240	Ford Rd	1750	CLR	N-None	44.3	62.1	29.28	NNW	Light Breeze (1-5 mph)	2.7	5.5	ND-Non Detect			
4/20/2025 15:16	OM-220	494-W Walking Path	1000	CLR	N-None	43.6	54.2	29.32	SE	Light Breeze (1-5 mph)	3.5	6.7	ND-Non Detect			
4/20/2025 15:28	OM-160	Red Rock Crossing Transit Center	1000	CLR	N-None	44.7	52.1	29.32	SE	Light Breeze (1-5 mph)	2.1	4.9	ND-Non Detect			
4/20/2025 15:34	OM-270	Newport City Hall	1000	CLR	N-None	44.2	51.6	29.32	SE	Light Breeze (1-5 mph)	3.3	5.2	ND-Non Detect			
4/20/2025 15:40	OM-250	24th st & 3rd Ave	1000	CLR	N-None	45.8	52.7	29.32	SE	Light Breeze (1-5 mph)	3.8	7.1	ND-Non Detect			
4/20/2025 15:46	OM-260	Mayle-Trans Trucking School	1000	CLR	N-None	44.9	53.4	29.33	SE	Light Breeze (1-5 mph)	2.6	4.1	ND-Non Detect			
4/20/2025 15:51	OM-240	Ford Rd	1000	CLR	N-None	45.1	53.1	29.33	SE	Light Breeze (1-5 mph)	2.4	3.9	ND-Non Detect			
4/23/2025 16:10	OM-220	494-W Walking Path	125	BKN	N-None	61.3	46.5	29.3	NNW	Moderate Wind (5-15 mph)	8.2	12.5	ND-Non Detect			
4/23/2025 16:23	OM-160	Red Rock Crossing Transit Center	125	BKN	N-None	63.2	44.5	29.3	NNW	Light Breeze (1-5 mph)	4.6	9.2	ND-Non Detect	2	1 - Very Weak	508 - Rendering - burning
4/23/2025 16:28	OM-270	Newport City Hall	125	BKN	N-None	62.8	42.9	29.3	NNW	Moderate Wind (5-15 mph)	6.1	8.5	ND-Non Detect			
4/23/2025 16:32	OM-250	24th st & 3rd Ave	125	BKN	N-None	63.4	43.4	29.3	NNW	Light Breeze (1-5 mph)	3.9	7.3	ND-Non Detect			
4/23/2025 16:37	OM-260	Mayle-Trans Trucking School	125	BKN	N-None	63.9	43.8	29.3	NNW	Light Breeze (1-5 mph)	3.9	7.1	ND-Non Detect			
4/23/2025 16:44	OM-240	Ford Rd	125	BKN	N-None	64.5	43.6	29.31	NNW	Light Breeze (1-5 mph)	4.3	7.8	ND-Non Detect			
4/25/2025 15:55	OM-220	494-W Walking Path	150	SCT	N-None	52.8	73.6	29.35	NNW	Light Breeze (1-5 mph)	4.6	7.8	ND-Non Detect			
4/25/2025 16:08	OM-160	Red Rock Crossing Transit Center	150	SCT	N-None	55.6	71.8	29.35	NNW	Light Breeze (1-5 mph)	2.2	3.4	ND-Non Detect			
4/25/2025 16:13	OM-270	Newport City Hall	150	SCT	N-None	54.3	73.8	29.36	NNW	Light Breeze (1-5 mph)	3.2	5.8	ND-Non Detect			

Table 2 (continued)

Date	Loc #	Location	Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
4/25/2025 16:18	OM-250	24th at 3rd Ave	150	SGT	N-None	53.8	70.9	29.35	NW	Light Breeze (1-5 mph)	1.4	2.2	ND-Non Detect			
4/25/2025 16:22	OM-260	Mayle-Trans Trucking School	150	SGT	N-None	54.1	72.8	29.35	NW	Light Breeze (1-5 mph)	2.8	4.2	ND-Non Detect			
4/25/2025 16:32	OM-240	Ford Rd	150	SGT	N-None	55	73	29.35	NW	Light Breeze (1-5 mph)	1.9	1.9	ND-Non Detect			
4/29/2025 16:20	OM-270	494-W Walking Path	550	CLR	N-None	47.2	57.6	29.33	WNW	Moderate Wind (5-15 mph)	8.9	12	ND-Non Detect			
4/29/2025 16:34	OM-160	Red Rock Crossing Transit Center	550	CLR	N-None	49	56.1	29.32	WNW	Light Breeze (1-5 mph)	4.5	7.8	ND-Non Detect			
4/29/2025 16:39	OM-270	Newport City Hall	550	CLR	N-None	48.7	57.8	29.32	WNW	Moderate Wind (5-15 mph)	5.1	9.2	ND-Non Detect			
4/29/2025 16:47	OM-250	24th at 3rd Ave	550	CLR	N-None	49.2	55.9	29.31	WNW	Light Breeze (1-5 mph)	3.2	6.5	ND-Non Detect			
4/29/2025 16:53	OM-260	Mayle-Trans Trucking School	550	CLR	N-None	49	56.4	29.33	WNW	Light Breeze (1-5 mph)	3.6	6.7	ND-Non Detect			
4/29/2025 17:00	OM-240	Ford Rd	550	CLR	N-None	48.5	56.2	29.33	WNW	Light Breeze (1-5 mph)	4.1	7.5	ND-Non Detect			
4/30/2025 16:18	OM-220	494-W Walking Path	1350	CLR	N-None	65.3	32.2	29.26	WNW	Moderate Wind (5-15 mph)	10.2	13.9	ND-Non Detect			
4/30/2025 16:30	OM-160	Red Rock Crossing Transit Center	1350	CLR	N-None	66.2	30.6	29.26	NW	Moderate Wind (5-15 mph)	7.2	10.3	ND-Non Detect			
4/30/2025 16:34	OM-270	Newport City Hall	1350	CLR	N-None	67.6	29.8	29.27	NW	Moderate Wind (5-15 mph)	8.6	11.2	ND-Non Detect			
4/30/2025 16:39	OM-250	24th at 3rd Ave	1350	CLR	N-None	66.3	32.1	29.27	NW	Light Breeze (1-5 mph)	4.8	6.8	ND-Non Detect			
4/30/2025 16:45	OM-260	Mayle-Trans Trucking School	1350	CLR	N-None	65.9	31.4	29.27	NW	Moderate Wind (5-15 mph)	5.6	8.1	ND-Non Detect			
4/30/2025 16:52	OM-240	Ford Rd	1350	CLR	N-None	66.3	30.2	29.27	NW	Moderate Wind (5-15 mph)	6.1	8.7	ND-Non Detect			
5/2/2025 11:55	OM-220	494-W Walking Path	1400	SGT	N-None	53.3	56.5	29.17	NW	Moderate Wind (5-15 mph)	5.7	7.7	ND-Non Detect			
5/2/2025 12:10	OM-160	Red Rock Crossing Transit Center	1400	SGT	N-None	48.2	70.8	29.22	NW	Light Breeze (1-5 mph)	4.1	7.2	ND-Non Detect	1 - Very Weak	-1	Aggregate
5/2/2025 12:18	OM-270	Newport City Hall	1400	SGT	N-None	50.4	65.3	29.23	WNW	Light Breeze (1-5 mph)	3.5	5.2	ND-Non Detect			
5/2/2025 12:25	OM-250	24th at 3rd Ave	1400	SGT	N-None	50.1	64.1	29.23	WNW	Light Breeze (1-5 mph)	2	2	ND-Non Detect			
5/2/2025 12:31	OM-260	Mayle-Trans Trucking School	1400	SGT	N-None	51.5	60.8	29.21	WNW	Light Breeze (1-5 mph)	2.5	5.1	ND-Non Detect			
5/2/2025 12:39	OM-240	Ford Rd	1400	SGT	N-None	52.2	59.6	29.2	WNW	Light Breeze (1-5 mph)	2.9	6.2	ND-Non Detect			
5/7/2025 8:00	OM-220	494-W Walking Path	825	CLR	N-None	62.3	61.6	29.41	NNE	Light Breeze (1-5 mph)	3.1	6.4	ND-Non Detect	2	3 - Weak/Moderate	4
5/7/2025 8:23	OM-160	Red Rock Crossing Transit Center	825	CLR	N-None	61.9	44	29.46	NNE	Light Breeze (1-5 mph)	1.5	3.2	ND-Non Detect			
5/7/2025 8:30	OM-270	Newport City Hall	825	CLR	N-None	60.5	44.1	29.45	NNW	Moderate Wind (5-15 mph)	5.2	9.3	ND-Non Detect			
5/7/2025 8:35	OM-250	24th at 3rd Ave	825	CLR	N-None	62.6	43.1	29.45	NNW	Light Breeze (1-5 mph)	2	4.6	ND-Non Detect			
5/7/2025 8:39	OM-260	Mayle-Trans Trucking School	825	CLR	N-None	61.4	47.5	29.44	NNE	Moderate Wind (5-15 mph)	6.3	10.2	ND-Non Detect			
5/7/2025 8:47	OM-240	Ford Rd	825	CLR	N-None	65	41	29.43	NNE	Light Breeze (1-5 mph)	2.5	4.4	ND-Non Detect			
5/9/2025 12:50	OM-220	494-W Walking Path	1600	CLR	N-None	78.4	30.8	29.44	WSW	Moderate Wind (5-15 mph)	6.2	8.8	ND-Non Detect			
5/9/2025 13:03	OM-160	Red Rock Crossing Transit Center	1600	CLR	N-None	80.1	26.5	29.43	WSW	Light Breeze (1-5 mph)	2.2	3.5	ND-Non Detect			
5/9/2025 13:08	OM-270	Newport City Hall	1600	CLR	N-None	83.4	24	29.43	WSW	Light Breeze (1-5 mph)	2.6	3.7	ND-Non Detect			
5/9/2025 13:12	OM-250	24th at 3rd Ave	1600	CLR	N-None	82.8	24.2	29.43	WSW	Light Breeze (1-5 mph)	2.1	4	ND-Non Detect			
5/9/2025 13:16	OM-260	Mayle-Trans Trucking School	1600	CLR	N-None	83	23.9	29.41	WSW	Moderate Wind (5-15 mph)	5.6	6.6	ND-Non Detect			
5/9/2025 13:23	OM-240	Ford Rd	1600	CLR	N-None	83.6	23.5	29.41	WSW	Moderate Wind (5-15 mph)	4.8	7.2	ND-Non Detect			
5/12/2025 12:30	OM-220	494-W Walking Path	1200	CLR	N-None	85.6	21.2	29.18	S	Moderate Wind (5-15 mph)	9.5	12.2	ND-Non Detect			
5/12/2025 12:33	OM-160	Red Rock Crossing Transit Center	1200	CLR	N-None	86.7	22.2	29.18	S	Light Breeze (1-5 mph)	1.5	2.5	ND-Non Detect			
5/12/2025 12:38	OM-270	Newport City Hall	1200	CLR	N-None	85.4	20.5	29.18	S	Light Breeze (1-5 mph)	2.9	4.5	ND-Non Detect			
5/12/2025 12:44	OM-250	24th at 3rd Ave	1200	CLR	N-None	86.1	21.4	29.19	S	Light Breeze (1-5 mph)	1.8	3.2	ND-Non Detect			
5/12/2025 12:49	OM-260	Mayle-Trans Trucking School	1200	CLR	N-None	87.8	18.2	29.19	S	Light Breeze (1-5 mph)	2.6	4	ND-Non Detect			
5/12/2025 12:58	OM-240	Ford Rd	1200	CLR	N-None	87.2	20.6	29.18	S	Light Breeze (1-5 mph)	3	5	ND-Non Detect			
5/14/2025 14:19	OM-220	494-W Walking Path	650	CLR	N-None	87.4	43.5	28.9	SSW	Light Breeze (1-5 mph)	1.5	2.7	ND-Non Detect			
5/14/2025 14:03	OM-160	Red Rock Crossing Transit Center	650	CLR	N-None	86.8	38.7	28.94	S	Light Breeze (1-5 mph)	2.5	5.4	ND-Non Detect			
5/14/2025 13:58	OM-270	Newport City Hall	650	CLR	N-None	88.2	38	28.94	SSW	Light Breeze (1-5 mph)	1.4	2.9	ND-Non Detect			
5/14/2025 13:53	OM-250	24th at 3rd Ave	650	CLR	N-None	90.5	40.7	28.94	SSW	Light Breeze (1-5 mph)	0.6	1.7	ND-Non Detect			
5/14/2025 13:48	OM-260	Mayle-Trans Trucking School	650	CLR	N-None	88.5	38.4	28.93	SSW	Light Breeze (1-5 mph)	2	3.4	ND-Non Detect			
5/14/2025 13:38	OM-240	Ford Rd	650	CLR	N-None	85.3	44.6	28.92	E	Light Breeze (1-5 mph)	1.4	2.9	ND-Non Detect			
5/20/2025 13:45	OM-220	494-W Walking Path	700	OVC	P-Precipitation	50	96	28.96	E	Moderate Breeze (5-15 mph)	6.1	9	ND-Non Detect			
5/20/2025 14:07	OM-160	Red Rock Crossing Transit Center	700	OVC	P-Precipitation	49.1	100	29.01	E	Light Breeze (1-5 mph)	2.1	4.7	ND-Non Detect			
5/20/2025 14:14	OM-270	Newport City Hall	700	OVC	P-Precipitation	48.4	99	29.01	E	Light Breeze (1-5 mph)	2.7	4.6	ND-Non Detect			
5/20/2025 14:19	OM-250	24th at 3rd Ave	700	OVC	P-Precipitation	48.2	99.5	29.01	E	Light Breeze (1-5 mph)	2	3.8	ND-Non Detect			
5/20/2025 14:22	OM-260	Mayle-Trans Trucking School	700	OVC	P-Precipitation	51.9	100	29	E	Light Breeze (1-5 mph)	3.5	5.8	ND-Non Detect			
5/20/2025 14:31	OM-240	Ford Rd	700	OVC	P-Precipitation	51.1	99.7	28.99	E	Light Breeze (1-5 mph)	2.4	4.1	ND-Non Detect			
5/22/2025 13:22	OM-270	494-W Walking Path	1425	CLR	N-None	65.3	38.6	29.34	NNW	Light Breeze (1-5 mph)	4	5.6	ND-Non Detect	1 - Very Weak	-3	503-MSW
5/22/2025 13:45	OM-160	Red Rock Crossing Transit Center	1425	CLR	N-None	66.6	34.5	29.38	NNW	Light Breeze (1-5 mph)	3.8	6	ND-Non Detect			
5/22/2025 13:53	OM-270	Newport City Hall	1425	CLR	N-None	71.1	34.2	29.38	W	Light Breeze (1-5 mph)	2.7	4.6	ND-Non Detect	2-Weak	-1	Aggregate
5/22/2025 14:00	OM-250	24th at 3rd Ave	1425	CLR	N-None	69.7	49	29.37	W	Light Breeze (1-5 mph)	2.8	4.8	ND-Non Detect			
5/22/2025 14:05	OM-260	Mayle-Trans Trucking School	1425	CLR	N-None	69.9	35.3	29.36	W	Light Breeze (1-5 mph)	2.4	5.4	ND-Non Detect			
5/22/2025 14:15	OM-240	Ford Rd	1425	CLR	N-None	75.6	35.4	29.34	NNW	Light Breeze (1-5 mph)	1.1	2	ND-Non Detect			

Table 2 (continued)

Date	Loc #	Location	Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
5/29/2025 10:21	OM-220	494-W Walking Path	1000	CLR	N-None	68.8	46.3	29.35	NNW	Light Breeze (1-5 mph)	3.6	5.5	ND-Non Detect			
5/29/2025 10:31	OM-160	Red Rock Crossing Transit Center	1000	CLR	N-None	69.6	55.3	29.39	NNW	Light Breeze (1-5 mph)	3.4	5.3	<2	4 - Moderate	-4	503-MSW
5/29/2025 10:38	OM-270	Newport City Hall	1000	CLR	N-None	71.9	50.2	29.39	NNW	Light Breeze (1-5 mph)	1.1	2.4	ND-Non Detect	2-Weak	-1	Aggregate
5/29/2025 10:47	OM-260	24th St & 3rd Ave	1000	CLR	N-None	73.1	47.5	29.39	NNW	Light Breeze (1-5 mph)	1.7	4.1	ND-Non Detect			
5/29/2025 10:50	OM-260	Mayle-Trans Trucking School	1000	CLR	N-None	74.1	49.5	29.37	NNW	Light Breeze (1-5 mph)	2.6	4.1	ND-Non Detect			
5/29/2025 10:58	OM-240	Ford Rd	1000	CLR	N-None	74.6	64.3	29.37	NNW	Light Breeze (1-5 mph)	2.6	4.5	ND-Non Detect			
5/30/2025 11:28	OM-220	494-W Walking Path	1650	CLR	N-None	72.7	41.5	29.16	NNW	Moderate Breeze (5-15 mph)	5.7	7.7	ND-Non Detect			
5/30/2025 11:40	OM-160	Red Rock Crossing Transit Center	1650	CLR	N-None	74.7	41.7	29.2	NNW	Light Breeze (1-5 mph)	3.6	6.3	2	4 - Moderate	-4	503-MSW
5/30/2025 11:50	OM-270	Newport City Hall	1650	CLR	N-None	76	40.4	29.21	NNW	Light Breeze (1-5 mph)	2.5	5.8	ND-Non Detect			
5/30/2025 11:58	OM-250	24th St & 3rd Ave	1650	CLR	N-None	79	46.6	29.2	NNW	Light Breeze (1-5 mph)	2.1	4.6	ND-Non Detect			
5/30/2025 12:02	OM-260	Mayle-Trans Trucking School	1650	CLR	N-None	79.3	37.8	29.18	NNW	Light Breeze (1-5 mph)	1.8	3.6	ND-Non Detect			
8/30/2025 12:07	OM-240	Ford Rd	1650	CLR	N-None	81.8	34	29.17	SSW	Light Breeze (1-5 mph)	2.7	5	<2	1 - Very Weak	-1	Aggregate
6/2/2025 13:11	OM-220	494-W Walking Path	1100	CLR	N-None	85.6	38.9	29.08	SSW	Light Breeze (1-5 mph)	9.1	12.6	ND-Non Detect			
6/2/2025 13:25	OM-160	Red Rock Crossing Transit Center	1100	CLR	N-None	87.8	40	29.02	SSW	Light Breeze (1-5 mph)	3.4	5.6	ND-Non Detect			
6/2/2025 13:30	OM-270	Newport City Hall	1100	CLR	N-None	90.3	34.6	29.01	W	Light Breeze (1-5 mph)	4.8	8.6	ND-Non Detect			
6/2/2025 13:35	OM-250	24th St & 3rd Ave	1100	CLR	N-None	92.6	40.7	29.02	SSW	Light Breeze (1-5 mph)	1.4	2.2	ND-Non Detect			
6/2/2025 13:40	OM-260	Mayle-Trans Trucking School	1100	CLR	N-None	90.9	34.2	29.98	W	Moderate Breeze (5-15 mph)	6.5	10.1	ND-Non Detect			
6/2/2025 13:50	OM-240	Ford Rd	1100	CLR	N-None	92.2	50.5	28.99	SSW	Light Breeze (1-5 mph)	1.2	3.3	ND-Non Detect			
6/4/2025 10:33	OM-220	494-W Walking Path	1100	CLR	N-None	74.6	57.6	29.29	NNW	Light Breeze (1-5 mph)	1.3	2.9	2	2 - Weak	-3	503-MSW
6/4/2025 10:55	OM-160	Red Rock Crossing Transit Center	1100	CLR	N-None	77.8	61.9	29.33	N	Light Breeze (1-5 mph)	1.9	3.7	<2	1 - Very Weak	-1	503-MSW
6/4/2025 11:04	OM-270	Newport City Hall	1100	CLR	N-None	79	52.5	29.34	NNW	Light Breeze (1-5 mph)	0.5	1	ND-Non Detect			
6/4/2025 11:10	OM-250	24th St & 3rd Ave	1100	CLR	N-None	82.8	59.7	29.32	NNW	Light Breeze (1-5 mph)	0.4	1.5	ND-Non Detect			
6/4/2025 11:16	OM-260	Mayle-Trans Trucking School	1100	CLR	N-None	80.7	50.7	29.31	NNW	Light Breeze (1-5 mph)	0.9	2.5	ND-Non Detect			
6/4/2025 11:25	OM-240	Ford Rd	1100	CLR	N-None	80.7	43	29.31	NNW	Light Breeze (1-5 mph)	0.3	2.2	ND-Non Detect			
6/9/2025 15:18	OM-220	494-W Walking Path	300	BKN	N-None	68.2	52.1	29	NNW	Moderate Breeze (5-15 mph)	5.2	9.6	2	3 - Weak/Moderate	-4	503-MSW
6/9/2025 15:34	OM-160	Red Rock Crossing Transit Center	300	BKN	N-None	71.7	47.6	29	NNW	Light Breeze (1-5 mph)	2	4	2	2 - Weak	-6	503-MSW
6/9/2025 15:41	OM-270	Newport City Hall	300	BKN	N-None	66.3	42.4	29	NNW	Moderate Breeze (5-15 mph)	9.7	14.4	ND-Non Detect			
6/9/2025 15:45	OM-250	24th St & 3rd Ave	300	BKN	N-None	67.6	44.1	29	NNW	Light Breeze (1-5 mph)	4.1	6.7	ND-Non Detect			
6/9/2025 15:49	OM-260	Mayle-Trans Trucking School	300	BKN	N-None	69.4	43.2	29.02	NNW	Moderate Breeze (5-15 mph)	5.8	8.1	ND-Non Detect			
6/9/2025 15:57	OM-240	Ford Rd	300	BKN	N-None	68.7	43.8	29.01	NNW	Moderate Breeze (5-15 mph)	6	7.7	ND-Non Detect			
6/11/2025 14:42	OM-220	494-W Walking Path	1150	CLR	N-None	73.2	53.3	29.29	NNW	Light Breeze (1-5 mph)	3.2	5.3	ND-Non Detect			
6/11/2025 14:57	OM-160	Red Rock Crossing Transit Center	1150	CLR	N-None	74.3	50.9	29.32	NNW	Light Breeze (1-5 mph)	2.4	4.9	ND-Non Detect			
6/11/2025 15:04	OM-270	Newport City Hall	1150	CLR	N-None	75.6	50.6	29.33	NNW	Light Breeze (1-5 mph)	1.5	2.4	ND-Non Detect			
6/11/2025 15:09	OM-250	24th St & 3rd Ave	1150	CLR	N-None	75	47.6	29.32	NNW	Light Breeze (1-5 mph)	1.3	1.8	ND-Non Detect			
6/11/2025 15:12	OM-260	Mayle-Trans Trucking School	1150	CLR	N-None	73.4	57.8	29.31	NNW	Light Breeze (1-5 mph)	0.7	1	ND-Non Detect			
6/11/2025 15:18	OM-240	Ford Rd	1150	CLR	N-None	74	52.2	29.33	NNW	Light Breeze (1-5 mph)	1.3	1.8	ND-Non Detect			
6/17/2025 8:34	OM-220	494-W Walking Path	650	CLR	N-None	68.8	76.1	29.06	NNW	Light Breeze (1-5 mph)	2.4	3.5	ND-Non Detect			
6/17/2025 8:47	OM-160	Red Rock Crossing Transit Center	650	CLR	N-None	75.3	70.4	29.1	NNW	Light Breeze (1-5 mph)	0.4	0.8	ND-Non Detect			
6/17/2025 8:53	OM-270	Newport City Hall	650	CLR	N-None	74.7	64.3	29.11	NNW	Light Breeze (1-5 mph)	1.8	3.3	<2	1 - Very Weak	-3	508-Rendering-burning bone
6/17/2025 8:59	OM-250	24th St & 3rd Ave	650	CLR	N-None	77.5	68.8	29.1	NNW	Light Breeze (1-5 mph)	1	1.3	ND-Non Detect			
6/17/2025 9:02	OM-260	Mayle-Trans Trucking School	650	CLR	N-None	78.3	58.6	29.1	NNW	Light Breeze (1-5 mph)	0.9	1.5	ND-Non Detect			
6/17/2025 9:08	OM-240	Ford Rd	650	CLR	N-None	77.2	60	29.08	NNW	Light Breeze (1-5 mph)	1.1	1.5	ND-Non Detect			
6/19/2025 9:20	OM-220	494-W Walking Path	1450	CLR	N-None	76.7	59.4	29.14	WSW	Light Breeze (1-5 mph)	1.4	3.3	ND-Non Detect			
6/19/2025 9:35	OM-160	Red Rock Crossing Transit Center	1450	CLR	N-None	80	57.1	29.19	WSW	Light Breeze (1-5 mph)	2	3.6	ND-Non Detect			
6/19/2025 9:45	OM-270	Newport City Hall	1450	CLR	N-None	80.9	50.7	29.18	WSW	Light Breeze (1-5 mph)	1.3	2.8	ND-Non Detect			
6/19/2025 9:50	OM-250	24th St & 3rd Ave	1450	CLR	N-None	82.9	50.7	29.18	WSW	Light Breeze (1-5 mph)	2	3.6	ND-Non Detect			
6/19/2025 9:57	OM-260	Mayle-Trans Trucking School	1450	CLR	N-None	82.8	47.2	29.16	WSW	Light Breeze (1-5 mph)	2.8	4.8	ND-Non Detect			
6/19/2025 10:05	OM-240	Ford Rd	1450	CLR	N-None	84.8	47.1	29.16	WSW	Light Breeze (1-5 mph)	1.5	3	ND-Non Detect			
6/24/2025 12:25	OM-220	494-W Walking Path	1000	CLR	N-None	77.8	48.2	29.48	NNE	Light Breeze (1-5 mph)	2.2	3.6	2	3 - Weak/Moderate	-3	503-MSW
6/24/2025 12:45	OM-160	Red Rock Crossing Transit Center	1000	CLR	N-None	78.4	43.2	29.52	NNE	Light Breeze (1-5 mph)	2.8	4.1	ND-Non Detect			
6/24/2024 12:55	OM-270	Newport City Hall	1000	CLR	N-None	79.6	58.3	29.52	NNE	Light Breeze (1-5 mph)	2.7	5.5	ND-Non Detect			
6/24/2024 13:05	OM-260	24th St & 3rd Ave	1000	CLR	N-None	84.5	59.6	29.51	E	Light Breeze (1-5 mph)	1	2.2	ND-Non Detect			
6/24/2024 13:10	OM-260	Mayle-Trans Trucking School	1000	CLR	N-None	85.6	37.4	29.49	E	Light Breeze (1-5 mph)	1.5	2.7	ND-Non Detect			
6/24/2024 13:15	OM-240	Ford Rd	1000	CLR	N-None	81.4	59	29.48	NNE	Light Breeze (1-5 mph)	1.8	2.9	ND-Non Detect			
6/26/2025 14:50	OM-220	494-W Walking Path	850	OVC	N-None	68.2	84.1	29.34	NNW	Moderate Breeze (5-15 mph)	8.8	11.7	ND-Non Detect			
6/26/2025 15:06	OM-160	Red Rock Crossing Transit Center	850	OVC	N-None	70.3	81.3	29.33	NNW	Light Breeze (1-5 mph)	4.9	7.3	ND-Non Detect			
6/26/2025 15:10	OM-270	Newport City Hall	850	OVC	N-None	71.5	82.5	29.33	NNW	Moderate Breeze (5-15 mph)	5.3	8.4	ND-Non Detect			

**Table 2 (continued)**

Date	Loc #	Location	Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
6/26/2025 15:14	OM-250	24th st & 3rd Ave	850	OVC	N=None	70.7	82	29.34	NNW	Light Breeze (1-5 mph)	3.8	5.8	ND-Non Detect			
6/26/2025 15:19	OM-260	Mayle-Trans Trucking School	850	OVC	N=None	69.2	80.7	29.34	NNW	Light Breeze (1-5 mph)	4.7	7.9	ND-Non Detect			
6/26/2025 15:27	OM-240	Ford Rd	850	OVC	N=None	70	82.8	29.34	NNW	Moderate Breeze (5-15 mph)	5.1	8.2	ND-Non Detect			

Notes: ND = non-detect  
 D/T = dilution/threshold  
 mph = miles per hour  
 R&E Center = Ramsey/Washington Recycling & Energy Center  
 Municipal Solid Waste (MSW) Detect

Wind directions = North (N), South (S), East (E), West (W) or any combination thereof.  
 Prepared by: ACS  
 Checked by: GGR

**Table 3**  
**Quarter 3 Odor Monitoring - July 1 through September 30, 2025**  
**Ramsey/Washington Recycling & Energy Center**

Date	Loc #	Location	R&E Center Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
7/1/2025 15:42	OM-220	494-W Walking Path	650	CLR	N-None	85.2	40.1	29.26	NNW	Moderate Breeze (5-15 mph)	5.9	8.1	ND-Non Detect			
7/1/2025 15:55	OM-160	Red Rock Crossing Transit Center	650	CLR	N-None	88	36.3	29.24	NNW	Light Breeze (1-5 mph)	2.8	4.1	ND-Non Detect			
7/1/2025 16:01	OM-270	Newport City Hall	650	CLR	N-None	87.4	37	29.24	NNW	Light Breeze (1-5 mph)	4.4	5.5	ND-Non Detect			
7/1/2025 16:07	OM-250	24th st & 3rd Ave	650	CLR	N-None	86.7	35.8	29.24	NNW	Light Breeze (1-5 mph)	1.8	2.9	ND-Non Detect			
7/1/2025 16:12	OM-260	Maye-Trans Trucking School	650	CLR	N-None	90	36.1	29.22	NNW	Light Breeze (1-5 mph)	1.3	3	ND-Non Detect			
7/1/2025 16:20	OM-240	Ford Rd	650	CLR	N-None	91.6	37.4	29.22	NNW	Light Breeze (1-5 mph)	2.1	4	ND-Non Detect			
7/2/2025 13:17	OM-220	494-W Walking Path	875	CLR	N-None	93.4	34.4	29.18	W	Light Breeze (1-5 mph)	1.8	3.8	ND-Non Detect			
7/2/2025 13:30	OM-160	Red Rock Crossing Transit Center	875	CLR	N-None	90.9	36	29.22	W	Light Breeze (1-5 mph)	1.3	2.6	ND-Non Detect			
7/2/2025 13:36	OM-270	Newport City Hall	875	CLR	N-None	94.3	38.8	29.23	W	Light Breeze (1-5 mph)	0.4	6	ND-Non Detect			
7/2/2025 13:40	OM-250	24th st & 3rd Ave	875	CLR	N-None	90.7	33.5	29.22	W	Light Breeze (1-5 mph)	2.2	2.6	ND-Non Detect			
7/2/2025 13:44	OM-260	Maye-Trans Trucking School	875	CLR	N-None	89.3	34.3	29.21	W	Light Breeze (1-5 mph)	2	3.8	ND-Non Detect			
7/2/2025 13:47	OM-240	Ford Rd	875	CLR	N-None	91.9	36.2	29.19	W	Light Breeze (1-5 mph)	1.6	2.5	ND-Non Detect			
7/8/2025 13:20	OM-220	494-W Walking Path	200	CLR	N-None	81.3	47.4	29.25	NNW	Light Breeze (1-5 mph)	1.6	2.5	ND-Non Detect			508 - Rendering - burning bone
7/8/2025 14:30	OM-160	Red Rock Crossing Transit Center	200	CLR	N-None	86.9	46.1	29.3	NNW	Light Breeze (1-5 mph)	2.8	3.6	ND-Non Detect	3 - Weak/Moderate	-4	
7/8/2025 14:35	OM-270	Newport City Hall	200	CLR	N-None	91.5	44.3	29.29	NNW	Light Breeze (1-5 mph)	2.2	3.9	ND-Non Detect	2 - Weak	-3	
7/8/2025 14:58	OM-250	24th st & 3rd Ave	200	CLR	N-None	89.2	41.7	29.29	NNW	Light Breeze (1-5 mph)	1.8	3.8	ND-Non Detect	2 - Weak	-2	
7/8/2025 15:03	OM-260	Maye-Trans Trucking School	200	CLR	N-None	89.2	44.7	29.28	NNW	Light Breeze (1-5 mph)	2.0	4.0	ND-Non Detect			
7/8/2025 15:20	OM-240	Ford Rd	200	CLR	N-None	87.9	51.9	29.28	NNW	Light Breeze (1-5 mph)	2.4	4.6	ND-Non Detect			
7/8/2025 15:30	OM-220	494-W Walking Path	775	CLR	N-None	88.1	37.9	29.28	NNW	Light Breeze (1-5 mph)	3.4	5.9	ND-Non Detect			
7/10/2025 13:00	OM-270	Newport City Hall	775	CLR	N-None	80.7	70.2	29.15	SSE	Light Breeze (1-5 mph)	2.8	5.4	ND-Non Detect			
7/10/2025 13:15	OM-160	Red Rock Crossing Transit Center	775	CLR	N-None	82	61.9	29.17	SSE	Light Breeze (1-5 mph)	2.1	4.1	ND-Non Detect			
7/10/2025 13:23	OM-270	Newport City Hall	775	CLR	N-None	84.5	62.1	29.18	SSE	Light Breeze (1-5 mph)	3.3	2.9	ND-Non Detect			
7/10/2025 13:30	OM-250	24th st & 3rd Ave	775	CLR	N-None	84.4	73.6	29.19	SSE	Light Breeze (1-5 mph)	0.1	1.3	ND-Non Detect			
7/10/2025 13:35	OM-260	Maye-Trans Trucking School	775	CLR	N-None	84.9	61.2	29.17	SSE	Light Breeze (1-5 mph)	2.6	4.1	ND-Non Detect			
7/10/2025 13:45	OM-240	Ford Rd	775	CLR	N-None	88.6	55.5	29.15	SSE	Light Breeze (1-5 mph)	0.9	3.9	ND-Non Detect			
7/16/2025 14:20	OM-220	494-W Walking Path	375	OVC	N-None	67.9	72.6	29.13	N	Light Breeze (1-5 mph)	3.7	6.5	ND-Non Detect	2 - Weak	-3	503-MSW
7/16/2025 14:35	OM-160	Red Rock Crossing Transit Center	375	OVC	N-None	69.9	69.3	29.18	N	Light Breeze (1-5 mph)	1.5	3.7	ND-Non Detect			
7/16/2025 14:48	OM-270	Newport City Hall	375	OVC	N-None	69.9	72.3	29.18	N	Light Breeze (1-5 mph)	2.5	4.5	ND-Non Detect	1 - Very Weak	-1	Aggregate
7/16/2025 14:50	OM-250	24th st & 3rd Ave	375	OVC	N-None	69.5	67.6	29.18	N	Light Breeze (1-5 mph)	2.3	5.4	ND-Non Detect			
7/16/2025 14:52	OM-260	Maye-Trans Trucking School	375	OVC	N-None	68.9	74.1	29.17	N	Light Breeze (1-5 mph)	2.6	3.9	ND-Non Detect			
7/16/2025 15:02	OM-240	Ford Rd	375	OVC	N-None	69.7	61.4	29.16	N	Light Breeze (1-5 mph)	3.3	6.5	ND-Non Detect			
7/17/2025 14:14	OM-220	494-W Walking Path	1400	CLR	N-None	74.5	43.3	29.57	NNE	Light Breeze (1-5 mph)	1.8	3.3	ND-Non Detect			
7/17/2025 14:30	OM-160	Red Rock Crossing Transit Center	1400	CLR	N-None	77.7	40.5	29.42	NNE	Light Breeze (1-5 mph)	3	5.2	ND-Non Detect			
7/17/2025 14:36	OM-270	Newport City Hall	1400	CLR	N-None	75.4	37.9	29.42	NNE	Light Breeze (1-5 mph)	1.8	3.3	ND-Non Detect			
7/17/2025 14:41	OM-250	24th st & 3rd Ave	1400	CLR	N-None	77.2	49.6	29.4	NNE	Light Breeze (1-5 mph)	2.9	4.5	ND-Non Detect	1 - Very Weak	-1	Aggregate
7/17/2025 14:45	OM-260	Maye-Trans Trucking School	1400	CLR	N-None	79.4	33.5	29.39	NNE	Light Breeze (1-5 mph)	3.3	4.7	ND-Non Detect			
7/17/2025 14:51	OM-240	Ford Rd	1400	CLR	N-None	77.5	40.8	29.38	N	Light Breeze (1-5 mph)	2.9	4.6	ND-Non Detect			
7/22/2025 14:00	OM-160	Red Rock Crossing Transit Center	1050	OVC	N-None	88.3	58.7	29.21	S	Light Breeze (1-5 mph)	3.2	6.7	ND-Non Detect	1 - Very Weak	-1	Aggregate
7/22/2025 14:05	OM-270	Newport City Hall	1050	OVC	N-None	90.6	54.4	29.21	S	Light Breeze (1-5 mph)	1.6	3.4	ND-Non Detect			
7/22/2025 14:11	OM-250	24th st & 3rd Ave	1050	OVC	N-None	93	50.4	29.2	S	Light Breeze (1-5 mph)	2.5	4.1	ND-Non Detect			
7/22/2025 14:20	OM-260	Maye-Trans Trucking School	1050	OVC	N-None	92	48.6	29.18	SSW	Light Breeze (1-5 mph)	4.1	7.9	ND-Non Detect			
7/22/2025 14:30	OM-240	Ford Rd	1050	OVC	N-None	91.1	54	29.18	SSW	Light Breeze (1-5 mph)	1.8	3.8	ND-Non Detect			
7/25/2025 13:42	OM-220	494-W Walking Path	1450	CLR	N-None	85.2	51.6	29.29	SE	Moderate Breeze (5-15 mph)	5.4	8.7	ND-Non Detect			
7/25/2025 13:50	OM-160	Red Rock Crossing Transit Center	1450	CLR	N-None	87.3	48.5	29.31	SE	Light Breeze (1-5 mph)	2	2.8	ND-Non Detect			
7/25/2025 13:58	OM-270	Newport City Hall	1450	CLR	N-None	86.4	50.2	29.31	SE	Light Breeze (1-5 mph)	3.6	5.2	ND-Non Detect			
7/25/2025 14:04	OM-250	24th st & 3rd Ave	1450	CLR	N-None	87.9	49.6	29.31	SE	Light Breeze (1-5 mph)	1.4	2.6	ND-Non Detect			
7/25/2025 14:07	OM-260	Maye-Trans Trucking School	1450	CLR	N-None	88.4	51.6	29.31	SE	Light Breeze (1-5 mph)	1.9	2.8	ND-Non Detect			
7/25/2025 14:15	OM-240	Ford Rd	1450	CLR	N-None	88.8	53.4	29.3	SE	Light Breeze (1-5 mph)	2.1	3.4	ND-Non Detect			
7/29/2025 14:15	OM-220	494-W Walking Path	850	CLR	N-None	85.4	52.7	29.39	N	Light Breeze (1-5 mph)	2.2	3	ND-Non Detect			
7/29/2025 13:31	OM-160	Red Rock Crossing Transit Center	850	CLR	N-None	88.5	51.7	29.43	N	Light Breeze (1-5 mph)	1.7	2.1	ND-Non Detect	2 - Weak	-2	503-MSW
7/29/2025 13:37	OM-270	Newport City Hall	850	CLR	N-None	89.3	46.7	29.42	N	Light Breeze (1-5 mph)	1.7	3	ND-Non Detect	2 - Weak	-2	503-MSW
7/29/2025 13:41	OM-250	24th st & 3rd Ave	850	CLR	N-None	91.9	49.2	29.41	N	Light Breeze (1-5 mph)	0.2	1.2	ND-Non Detect			
7/29/2025 13:50	OM-260	Maye-Trans Trucking School	850	CLR	N-None	90	52	29.41	N	Light Breeze (1-5 mph)	2.3	4.5	ND-Non Detect			
7/29/2025 13:57	OM-240	Ford Rd	850	CLR	N-None	90.6	50.2	29.34	N	Light Breeze (1-5 mph)	1.5	3.6	ND-Non Detect			
8/1/2025 10:24	OM-220	494-W Walking Path	850	SCT	N-None	74	49.8	29.6	N	Light Breeze (1-5 mph)	2.4	4.6	ND-Non Detect	2 - Weak	-4	Smoke
8/1/2025 10:33	OM-160	Red Rock Crossing Transit Center	850	SCT	N-None	76.7	57.4	29.72	N	Light Breeze (1-5 mph)	1.5	2.7	ND-Non Detect	2 - Weak	-4	Smoke
8/1/2025 10:45	OM-270	Newport City Hall	850	SCT	N-None	74.0	40.4	29.72	N	Light Breeze (1-5 mph)	1.7	3.9	ND-Non Detect	1 - Very Weak	-2	Aggregate
8/1/2025 10:52	OM-250	24th st & 3rd Ave	850	SCT	N-None	81.1	35.7	29.72	N	Light Breeze (1-5 mph)	2	2.8	ND-Non Detect			
8/1/2025 10:56	OM-260	Maye-Trans Trucking School	850	SCT	N-None	81.6	40.2	29.71	N	Light Breeze (1-5 mph)	0.3	2.5	ND-Non Detect			
8/1/2025 11:03	OM-240	Ford Rd	850	SCT	N-None	82.9	35.5	29.7	N	Light Breeze (1-5 mph)	1.4	3	ND-Non Detect			

Table 3 (continued)

Date	Loc #	Location	R&E Center Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
8/5/2025 13:15	OM-270	494-W Walking Path	1300	CLR	N=None	82.8	47.9	29.46	SE	Light Breeze (1.5 mph)	3.3	6.5	ND-Non Detect	1 - Very Weak	-2	Aggregate
8/5/2025 13:30	OM-160	Red Rock Crossing Transit Center	1300	CLR	N=None	81.5	49	29.51	SE	Light Breeze (1.5 mph)	2.2	4.7	ND-Non Detect			
8/5/2025 13:36	OM-270	Newport City Hall	1300	CLR	N=None	86.5	48.3	29.51	SE	Light Breeze (1.5 mph)	1.1	2.1	ND-Non Detect			
8/5/2025 13:45	OM-250	24th st & 3rd Ave	1300	CLR	N=None	86.1	43.3	29.5	SE	Light Breeze (1.5 mph)	2.2	4.3	ND-Non Detect			
8/5/2025 13:50	OM-260	Mayle-Trans Trucking School	1300	CLR	N=None	87.2	41.8	29.46	SE	Light Breeze (1.5 mph)	3.9	6	ND-Non Detect			
8/5/2025 14:00	OM-240	Ford Rd	1300	CLR	N=None	88.7	40.4	29.47	SE	Light Breeze (1.5 mph)	2.2	4.4	ND-Non Detect			
8/7/2025 13:32	OM-270	494-W Walking Path	1300	OVC	N=None	85.3	59	29.28	SE	Light Breeze (1.5 mph)	1.9	4.5	ND-Non Detect	1 - Very Weak	-2	Aggregate
8/7/2025 13:45	OM-160	Red Rock Crossing Transit Center	1300	OVC	N=None	85.7	58.6	29.29	SE	Light Breeze (1.5 mph)	4.4	7	ND-Non Detect			
8/7/2025 13:56	OM-270	Newport City Hall	1300	OVC	N=None	87.2	56.2	29.32	SE	Light Breeze (1.5 mph)	2.2	4.2	ND-Non Detect			
8/7/2025 14:02	OM-270	24th st & 3rd Ave	1300	OVC	N=None	86	59.4	29.31	SE	Light Breeze (1.5 mph)	2	4.2	ND-Non Detect			
8/7/2025 14:08	OM-260	Mayle-Trans Trucking School	1300	OVC	N=None	86.8	54.2	29.29	SE	Light Breeze (1.5 mph)	1.9	3.6	ND-Non Detect			
8/7/2025 14:18	OM-240	Ford Rd	1300	OVC	N=None	88.6	53.5	29.28	SE	Light Breeze (1.5 mph)	1.9	3.7	ND-Non Detect			
8/19/2025 14:02	OM-270	494-W Walking Path	525	CLR	N=None	80.2	44.3	29.15	W	Moderate Breeze (5-15 mph)	6	8.3	2	2 - Weak	-2	503-MSW
8/19/2025 14:17	OM-160	Red Rock Crossing Transit Center	525	CLR	N=None	82.3	45.3	29.19	W	Light Breeze (1.5 mph)	4.3	9	4	4 - Moderate	-2	503-MSW
8/19/2025 14:29	OM-270	Newport City Hall	525	CLR	N=None	85.3	39.1	29.19	W	Light Breeze (1.5 mph)	1.3	3.1	<2	1 - Very Weak	-2	503-MSW
8/19/2025 14:34	OM-260	24th st & 3rd Ave	525	CLR	N=None	87.2	42.1	29.19	W	Light Breeze (1.5 mph)	2	3.5	ND-Non Detect			
8/19/2025 14:38	OM-260	Mayle-Trans Trucking School	525	CLR	N=None	85.7	46.5	29.18	W	Light Breeze (1.5 mph)	0.7	3	<2	1 - Very Weak	-2	503-MSW
8/19/2025 14:45	OM-240	Ford Rd	525	CLR	N=None	88.7	39.5	29.16	W	Light Breeze (1.5 mph)	2.6	4.4	ND-Non Detect			
8/19/2025 12:31	OM-270	494-W Walking Path	750	OVC	N=None	85.5	38.4	29.31	WNW	Light Breeze (1.5 mph)	1.1	2.2	<2	2 - Weak	-4	508 - Rendering -burning bone
8/19/2025 12:45	OM-160	Red Rock Crossing Transit Center	750	OVC	N=None	87	61.4	29.35	WNW	Light Breeze (1.5 mph)	1.1	1.9	<2	2 - Weak	-4	508 - Rendering -burning bone
8/19/2025 12:51	OM-270	Newport City Hall	750	OVC	N=None	87.9	53.9	29.36	WNW	Light Breeze (1.5 mph)	1.5	2	<2	2 - Weak	-4	508 - Rendering -burning bone
8/19/2025 13:04	OM-250	24th st & 3rd Ave	750	OVC	N=None	89	54.5	29.34	WNW	Light Breeze (1.5 mph)	0.8	1.5	ND-Non Detect			
8/19/2025 13:09	OM-260	Mayle-Trans Trucking School	750	OVC	N=None	88.8	54.4	29.34	WNW	Light Breeze (1.5 mph)	1	2.9	ND-Non Detect			
8/19/2025 13:15	OM-270	Ford Rd	750	OVC	N=None	91.6	48.9	29.32	WNW	Light Breeze (1.5 mph)	1.7	3.5	ND-Non Detect			
8/20/2025 14:00	OM-270	494-W Walking Path	725	SCT	N=None	82	61.7	29.4	ENE	Light Breeze (1.5 mph)	2.4	6	2	2 - Weak	-2	503-MSW
8/20/2025 14:17	OM-160	Red Rock Crossing Transit Center	725	SCT	N=None	84	61.4	29.44	ENE	Light Breeze (1.5 mph)	1.4	2.1	ND-Non Detect			
8/20/2025 14:24	OM-270	Newport City Hall	725	SCT	N=None	89	45.6	29.44	ENE	Light Breeze (1.5 mph)	1.7	4	ND-Non Detect			
8/20/2025 14:34	OM-250	24th st & 3rd Ave	725	SCT	N=None	91.7	38.4	29.42	ENE	Light Breeze (1.5 mph)	0.9	1.3	ND-Non Detect			
8/20/2025 14:40	OM-260	Mayle-Trans Trucking School	725	SCT	N=None	89.9	40.8	29.41	ENE	Light Breeze (1.5 mph)	0.3	1.5	ND-Non Detect			
8/20/2025 14:50	OM-240	Ford Rd	725	SCT	N=None	82.4	41.5	29.4	ENE	Light Breeze (1.5 mph)	2	3.5	ND-Non Detect			
8/23/2025 13:30	OM-270	494-W Walking Path	1400	CLR	N=None	69.8	51.2	29.32	NW	Light Breeze (1.5 mph)	4.1	6.7	<2	1 - Very Weak	-2	503-MSW
8/23/2025 13:50	OM-160	Red Rock Crossing Transit Center	1400	CLR	N=None	71.3	50	29.33	NW	Light Breeze (1.5 mph)	3.2	4.8	<2	1 - Very Weak	-2	503-MSW
8/23/2025 13:55	OM-270	Newport City Hall	1400	CLR	N=None	72.3	48.5	29.34	NW	Light Breeze (1.5 mph)	3.6	5.2	<2	1 - Very Weak	-2	503-MSW
8/23/2025 13:58	OM-250	24th st & 3rd Ave	1400	CLR	N=None	72.6	48.4	29.33	NW	Light Breeze (1.5 mph)	1.4	2.9	ND-Non Detect			
8/23/2025 14:02	OM-260	Mayle-Trans Trucking School	1400	CLR	N=None	71.7	47.2	29.31	NW	Light Breeze (1.5 mph)	4.2	7.1	<2	1 - Very Weak	-2	503-MSW
8/23/2025 14:07	OM-240	Ford Rd	1400	CLR	N=None	71.9	45.2	29.31	NW	Light Breeze (1.5 mph)	4.6	7.3	ND-Non Detect			
8/24/2025 6:35	OM-270	494-W Walking Path	1200	SCT	N=None	61.2	59.7	29.33	NW	Light Breeze (1.5 mph)	2.4	3.9	ND-Non Detect			
8/24/2025 6:51	OM-160	Red Rock Crossing Transit Center	1200	SCT	N=None	63.6	62.9	29.34	NW	Light Breeze (1.5 mph)	1.9	2.9	ND-Non Detect			
8/24/2025 6:56	OM-270	Newport City Hall	1200	SCT	N=None	62	60.8	29.35	NW	Light Breeze (1.5 mph)	2.8	3.5	ND-Non Detect			
8/24/2025 7:00	OM-250	24th st & 3rd Ave	1200	SCT	N=None	62.1	64.1	29.34	NW	Light Breeze (1.5 mph)	0.4	1.2	ND-Non Detect			
8/24/2025 7:05	OM-260	Mayle-Trans Trucking School	1200	SCT	N=None	60.9	66.2	29.33	NW	Light Breeze (1.5 mph)	2.5	4	ND-Non Detect	2 - Weak	-4	508 - Rendering -burning bone
8/24/2025 7:15	OM-240	Ford Rd	1200	SCT	N=None	62.2	63.5	29.34	NW	Light Breeze (1.5 mph)	1.7	4.8	ND-Non Detect			
8/26/2025 14:10	OM-270	494-W Walking Path	1450	SCT	N=None	74.1	72.7	29.47	N	Light Breeze (1.5 mph)	2.1	3.3	ND-Non Detect	2 - Weak	-4	508 - Rendering -burning bone
8/26/2025 14:23	OM-160	Red Rock Crossing Transit Center	1450	SCT	N=None	74.5	46.3	29.51	N	Light Breeze (1.5 mph)	1.5	2.3	ND-Non Detect			
8/26/2025 14:35	OM-270	Newport City Hall	1450	SCT	N=None	77.5	40.1	29.51	N	Light Breeze (1.5 mph)	2.1	3.5	ND-Non Detect			
8/26/2025 14:45	OM-250	24th st & 3rd Ave	1450	SCT	N=None	77.3	42	29.5	N	Light Breeze (1.5 mph)	4.1	5.9	ND-Non Detect			
8/26/2025 14:50	OM-260	Mayle-Trans Trucking School	1450	SCT	N=None	75.6	43.2	29.51	N	Light Breeze (1.5 mph)	1.1	1.8	ND-Non Detect			
8/26/2025 15:00	OM-240	Ford Rd	1450	SCT	N=None	79	40.3	29.48	N	Light Breeze (1.5 mph)	1.7	2	ND-Non Detect			
8/28/2025 14:05	OM-270	494-W Walking Path	1700	CLR	N=None	77.7	56.7	29.37	N	Light Breeze (1.5 mph)	1.6	4.8	2	2 - Weak	-2	503-MSW
8/28/2025 14:20	OM-160	Red Rock Crossing Transit Center	1700	CLR	N=None	79.1	57.6	29.41	N	Light Breeze (1.5 mph)	3.4	2.1	ND-Non Detect			
8/28/2025 14:27	OM-270	Newport City Hall	1700	CLR	N=None	81.5	46.3	29.42	N	Light Breeze (1.5 mph)	3.4	4.9	ND-Non Detect			
8/28/2025 14:32	OM-250	24th st & 3rd Ave	1700	CLR	N=None	83	43.4	29.41	N	Light Breeze (1.5 mph)	0.7	1.8	ND-Non Detect			
8/28/2025 14:36	OM-260	Mayle-Trans Trucking School	1700	CLR	N=None	82.7	46.8	29.39	N	Light Breeze (1.5 mph)			ND-Non Detect			
8/28/2025 14:45	OM-240	Ford Rd	1700	CLR	N=None	82.1	44.3	29.41	N	Light Breeze (1.5 mph)			ND-Non Detect			
9/3/2025 11:12	OM-270	494-W Walking Path	650	SCT	N=None	61.9	57.8	29.14	NW	Moderate Breeze (5-15 mph)	5.5	8.8	ND-Non Detect			
9/3/2025 11:26	OM-160	Red Rock Crossing Transit Center	650	SCT	N=None	63.8	53	29.18	NW	Light Breeze (1.5 mph)	4.1	7.5	ND-Non Detect			
9/3/2025 11:32	OM-270	Newport City Hall	650	SCT	N=None	64.5	52.3	29.19	NW	Light Breeze (1.5 mph)	4.1	8.6	2	2 - Weak	-2	503-MSW
9/3/2025 11:41	OM-250	24th st & 3rd Ave	650	SCT	N=None	67.7	47.3	29.17	NW	Light Breeze (1.5 mph)	2.3	3	ND-Non Detect			
9/3/2025 11:46	OM-260	Mayle-Trans Trucking School	650	SCT	N=None	66.1	40.6	29.18	NW	Light Breeze (1.5 mph)	4.5	8.6	ND-Non Detect			
9/3/2025 11:56	OM-240	Ford Rd	650	SCT	N=None	70.8	39.4	29.15	NW	Light Breeze (1.5 mph)	2.7	5.5	ND-Non Detect			

Table 3 (continued)

Date	Loc #	Location	R&E Center Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
9/4/2025 11:36	0M-270	494-W Walking Path	1125	CLR	N-None	63.9	63.9	29.01	WSW	Light Breeze (1.5 mph)	3.7	4.8	ND-Non Detect			
9/4/2025 11:49	0M-160	Red Rock Crossing Transit Center	1125	CLR	N-None	61	61	29.05	WSW	Light Breeze (1.5 mph)	2.7	5.1	ND-Non Detect			
9/4/2025 11:56	0M-270	Newport City Hall	1125	CLR	N-None	66	66	29.02	WSW	Light Breeze (1.5 mph)	2.3	3.5	ND-Non Detect			
9/4/2025 12:03	0M-250	24th st & 3rd Ave	1125	CLR	N-None	66.5	66.5	29.03	WSW	Light Breeze (1.5 mph)	1.8	4.9	ND-Non Detect			
9/4/2025 12:07	0M-260	Mayle-Trans Trucking School	1125	CLR	N-None	63.8	63.8	29.02	WSW	Light Breeze (1.5 mph)	1.8	4.3	ND-Non Detect			
9/4/2025 12:14	0M-240	Ford Rd	1125	CLR	N-None	65.4	65.4	29	WSW	Light Breeze (1.5 mph)	2.3	4.4	ND-Non Detect			
9/10/2025 14:43	0M-200	494-W Walking Path	350	BKN	N-None	80.9	50.7	29.33	N	Light Breeze (1.5 mph)	2.6	4.8	ND-Non Detect			
9/10/2025 14:57	0M-160	Red Rock Crossing Transit Center	350	BKN	N-None	84.6	53.2	29.41	N	Light Breeze (1.5 mph)	0.4	2.1	ND-Non Detect			
9/10/2025 15:05	0M-270	Newport City Hall	350	BKN	N-None	82.7	44	29.43	N	Light Breeze (1.5 mph)	2.1	4.2	ND-Non Detect			
9/10/2025 15:10	0M-260	24th st & 3rd Ave	350	BKN	N-None	81.6	43.7	29.41	N	Light Breeze (1.5 mph)	1.2	2.1	ND-Non Detect			
9/10/2025 15:14	0M-240	Mayle-Trans Trucking School	350	BKN	N-None	83.1	46.5	29.4	N	Light Breeze (1.5 mph)	0.4	2.9	ND-Non Detect			
9/10/2025 15:20	0M-240	Ford Rd	350	BKN	N-None	84.4	43.3	29.39	N	Light Breeze (1.5 mph)	1.3	2.3	ND-Non Detect			
9/11/2025 15:43	0M-200	494-W Walking Path	300	OVC	N-None	70.8	51.0	29.39	E	Light Breeze (1.5 mph)	4	6.7	ND-Non Detect			
9/11/2025 15:56	0M-160	Red Rock Crossing Transit Center	300	OVC	N-None	70.7	52.8	29.43	E	Light Breeze (1.5 mph)	1.6	2.2	ND-Non Detect			
9/11/2025 16:05	0M-270	Newport City Hall	300	OVC	N-None	80.6	46.5	29.44	E	Light Breeze (1.5 mph)	2.5	3.8	ND-Non Detect			
9/11/2025 16:13	0M-260	Mayle-Trans Trucking School	300	OVC	N-None	85.2	47.7	29.43	E	Light Breeze (1.5 mph)	2.3	3.3	ND-Non Detect			
9/11/2025 16:19	0M-240	Ford Rd	300	OVC	N-None	82.8	47.4	29.38	E	Light Breeze (1.5 mph)	1.7	3.3	ND-Non Detect			
9/17/2025 13:18	0M-220	494-W Walking Path	450	SGT	N-None	84.2	43.1	29.4	E	Light Breeze (1.5 mph)	1.4	3	ND-Non Detect			
9/17/2025 13:31	0M-160	Red Rock Crossing Transit Center	450	SGT	N-None	82.1	61.6	29.29	E	Light Breeze (1.5 mph)	0.4	2.1	ND-Non Detect			
9/17/2025 13:42	0M-270	Newport City Hall	450	SGT	N-None	83.1	61.8	29.32	N	Light Breeze (1.5 mph)	1.8	2.6	ND-Non Detect			
9/17/2025 13:49	0M-250	24th st & 3rd Ave	450	SGT	N-None	85.6	54.5	29.32	N	Light Breeze (1.5 mph)	0.9	2.8	ND-Non Detect			
9/17/2025 13:54	0M-260	Mayle-Trans Trucking School	450	SGT	N-None	84.9	56.2	29.29	N	Light Breeze (1.5 mph)	2.3	3.6	ND-Non Detect			
9/17/2025 14:02	0M-240	Ford Rd	450	SGT	N-None	88.3	50.5	29.29	N	Light Breeze (1.5 mph)	1	2	ND-Non Detect			
9/18/2025 11:33	0M-220	494-W Walking Path	600	CLR	N-None	80.2	60.5	29.23	ESE	Light Breeze (1.5 mph)	2.7	4.7	ND-Non Detect			
9/18/2025 11:41	0M-160	Red Rock Crossing Transit Center	600	CLR	N-None	80.2	56.7	29.31	ESE	Light Breeze (1.5 mph)	1.3	4.1	ND-Non Detect			
9/18/2025 11:53	0M-270	Newport City Hall	600	CLR	N-None	86	29.32	29.32	ESE	Light Breeze (1.5 mph)	0.8	1.6	ND-Non Detect			
9/18/2025 11:40	0M-260	Mayle-Trans Trucking School	600	CLR	N-None	83.4	59.1	29.31	ESE	Light Breeze (1.5 mph)	3.1	4.8	ND-Non Detect			
9/18/2025 11:46	0M-240	Ford Rd	600	CLR	N-None	86.4	41.8	29.28	ESE	Light Breeze (1.5 mph)	0.8	1.6	ND-Non Detect			
9/22/2025 14:55	0M-220	494-W Walking Path	50	OVC	N-None	76.4	69.3	29.6	ESE	Light Breeze (1.5 mph)	1.1	1.5	ND-Non Detect			
9/22/2025 15:06	0M-160	Red Rock Crossing Transit Center	50	OVC	N-None	72.2	65.6	29.62	N	Moderate Breeze (5-15 mph)	5.7	6.7	ND-Non Detect			
9/22/2025 15:10	0M-270	Newport City Hall	50	OVC	N-None	75.4	62.3	29.61	N	Light Breeze (1.5 mph)	3.8	4.2	ND-Non Detect			
9/22/2025 15:14	0M-250	24th st & 3rd Ave	50	OVC	N-None	77.4	68.1	29.61	N	Light Breeze (1.5 mph)	2.2	3.7	ND-Non Detect			
9/22/2025 15:19	0M-260	Mayle-Trans Trucking School	50	OVC	N-None	76.3	66.4	29.6	N	Light Breeze (1.5 mph)	0.7	2.1	ND-Non Detect			
9/22/2025 15:27	0M-240	Ford Rd	50	OVC	N-None	75.1	60.2	29.61	N	Light Breeze (1.5 mph)	1.6	3.4	ND-Non Detect			
9/23/2025 11:37	0M-220	494-W Walking Path	550	OVC	N-None	66.2	72.8	29.33	NNE	Light Breeze (1.5 mph)	4.2	6.9	ND-Non Detect			
9/23/2025 11:33	0M-160	Red Rock Crossing Transit Center	550	OVC	N-None	67.8	65.6	29.34	NNE	Light Breeze (1.5 mph)	1	1.6	ND-Non Detect			
9/23/2025 11:39	0M-270	Newport City Hall	550	OVC	N-None	68.3	69.2	29.34	NNE	Light Breeze (1.5 mph)	1.5	1.8	ND-Non Detect			
9/23/2025 11:44	0M-250	24th st & 3rd Ave	550	OVC	N-None	71.1	60.2	29.33	NNE	Light Breeze (1.5 mph)	1.8	2.5	ND-Non Detect			
9/23/2025 11:49	0M-260	Mayle-Trans Trucking School	550	OVC	N-None	70.4	53.9	29.31	NNE	Light Breeze (1.5 mph)	2.2	3.6	ND-Non Detect			
9/23/2025 11:57	0M-240	Ford Rd	550	OVC	N-None	76.4	51.8	29.3	NNE	Light Breeze (1.5 mph)	0.9	1.7	ND-Non Detect			
9/27/2025 10:27	0M-220	494-W Walking Path	1900	CLR	N-None	61.2	56.9	29.29	SW	Moderate Breeze (5-15 mph)	6.2	8.9	ND-Non Detect			
9/27/2025 10:43	0M-160	Red Rock Crossing Transit Center	1900	CLR	N-None	63.5	54.2	29.34	SW	Light Breeze (1.5 mph)	3.1	5.3	ND-Non Detect			
9/27/2025 10:47	0M-270	Newport City Hall	1900	CLR	N-None	68.4	51.3	29.31	SW	Moderate Breeze (5-15 mph)	5.2	7.8	ND-Non Detect			
9/27/2025 10:52	0M-250	24th st & 3rd Ave	1900	CLR	N-None	65.1	50.1	29.32	SW	Light Breeze (1.5 mph)	2.6	5.1	ND-Non Detect			
9/27/2025 10:57	0M-260	Mayle-Trans Trucking School	1900	CLR	N-None	67.7	55.9	29.32	SW	Light Breeze (1.5 mph)	4.5	6.7	ND-Non Detect			
9/27/2025 11:04	0M-240	Ford Rd	1900	CLR	N-None	70.3	58.4	29.32	SW	Light Breeze (1.5 mph)	3.3	6	ND-Non Detect			
9/28/2025 12:02	0M-220	494-W Walking Path	1200	OVC	N-None	72.3	76.5	29.41	NNE	Light Breeze (1.5 mph)	3.2	5.8	ND-Non Detect			
9/28/2025 12:15	0M-160	Red Rock Crossing Transit Center	1200	OVC	N-None	71.2	71.2	29.42	NNE	Light Breeze (1.5 mph)	0.8	2.2	ND-Non Detect			
9/28/2025 12:21	0M-270	Newport City Hall	1200	OVC	N-None	73.2	69.5	29.42	NNE	Light Breeze (1.5 mph)	1.9	3.6	ND-Non Detect			
9/28/2025 12:26	0M-250	24th st & 3rd Ave	1200	OVC	N-None	75.1	70.2	29.42	NNE	Light Breeze (1.5 mph)	0.4	1.8	ND-Non Detect			
9/28/2025 12:30	0M-260	Mayle-Trans Trucking School	1200	OVC	N-None	73	64.3	29.43	NNE	Light Breeze (1.5 mph)	2	4.7	ND-Non Detect			
9/28/2025 12:39	0M-240	Ford Rd	1200	OVC	N-None	74.8	68.1	29.42	NNE	Light Breeze (1.5 mph)	1.7	3.3	ND-Non Detect			

Notes: ND = non-detect  
 < = less than  
 > = greater than  
 D/T = dilution/threshold  
 mph = miles per hour  
 R&E Center = Ramsey/Washington Recycling & Energy Center  
 Municipal Solid Waste (MSW) Detent  
 \*Hedonic tone is a purely subjective measurement. The rating is from -10 to 10 with -10 being the worst smell and 10 being the best smelling  
 Wind directions = North (N), South (S), East (E), West (W) or any combination thereof.  
 Prepared by ACS1  
 Checked by GGR

**Table 4**  
**Quarter 4 Odor Monitoring - October 1 through December 31, 2025**  
**Ramsey/Washington Recycling & Energy Center**

Date	Loc #	Location	Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
10/2/2025 10:00	OM-220	494-W Walking Path	1350	BKN	N=None	72.4	54.6	29.37	SSE	Light Breeze (1.5 mph)	2.4	3.7	ND-Non Detect			
10/2/2025 10:10	OM-160	Red Rock Crossing Transit Center	1350	BKN	N=None	74.3	53.3	29.41	SSE	Light Breeze (1.5 mph)	1.9	3.6	ND-Non Detect			
10/2/2025 10:17	OM-270	Newport City Hall	1350	BKN	N=None	77.7	51.1	29.42	SSE	Light Breeze (1.5 mph)	2	3.4	ND-Non Detect			
10/2/2025 10:24	OM-260	24th st. & 3rd Ave	1350	BKN	N=None	77.6	51.3	29.41	SSE	Light Breeze (1.5 mph)	1	1.4	ND-Non Detect			
10/2/2025 10:28	OM-260	Mayle-Trans Trucking School	1350	BKN	N=None	76.7	48.3	29.39	SSE	Light Breeze (1.5 mph)	4.8	6.2	ND-Non Detect			
10/2/2025 10:35	OM-240	Ford Rd	1350	BKN	N=None	79.2	47.1	29.39	SSE	Light Breeze (1.5 mph)	1.7	3.2	ND-Non Detect			
10/3/2025 8:56	OM-220	494-W Walking Path	1500	CLR	N=None	70.4	66.8	29.34	N	Light Breeze (1.5 mph)	1.7	3.9	ND-Non Detect			
10/3/2025 9:09	OM-160	Red Rock Crossing Transit Center	1500	CLR	N=None	71.4	66.2	29.39	N	Light Breeze (1.5 mph)	2.8	4.7	ND-Non Detect			
10/3/2025 9:17	OM-270	Newport City Hall	1500	CLR	N=None	71.7	64.1	29.39	N	Light Breeze (1.5 mph)	0.5	1.1	ND-Non Detect			
10/3/2025 9:25	OM-250	24th st. & 3rd Ave	1500	CLR	N=None	73.1	63.4	29.38	N	Light Breeze (1.5 mph)	1.1	2.8	ND-Non Detect			
10/3/2025 9:31	OM-240	Ford Rd	1500	CLR	N=None	75.8	60	29.37	N	Light Breeze (1.5 mph)	2	2	ND-Non Detect	1 - Very Weak	-2	Aggregate
10/9/2025 15:41	OM-220	494-W Walking Path	550	CLR	N=None	69	46	29.66	SSE	Light Breeze (1.5 mph)	4.8	6.5	ND-Non Detect			
10/9/2025 15:53	OM-160	Red Rock Crossing Transit Center	550	CLR	N=None	70.1	32	29.65	SSE	Light Breeze (1.5 mph)	1.6	2.7	ND-Non Detect			
10/9/2025 16:01	OM-270	Newport City Hall	550	CLR	N=None	73.6	29.8	29.65	SSE	Light Breeze (1.5 mph)	0.6	1.7	ND-Non Detect			
10/9/2025 16:08	OM-250	24th st. & 3rd Ave	550	CLR	N=None	66.8	33.2	29.67	SSE	Light Breeze (1.5 mph)	2.2	2.9	ND-Non Detect			
10/9/2025 16:13	OM-240	Ford Rd	550	CLR	N=None	67.3	31.8	29.65	SSE	Light Breeze (1.5 mph)	0.7	1.8	ND-Non Detect			
10/9/2025 8:21	OM-220	494-W Walking Path	650	CLR	N=None	48.3	51.5	29.83	SSE	Light Breeze (1.5 mph)	3	4.5	ND-Non Detect			
10/9/2025 8:32	OM-160	Red Rock Crossing Transit Center	650	CLR	N=None	49.5	53	29.68	SSE	Light Breeze (1.5 mph)	1.7	2.7	ND-Non Detect			
10/9/2025 8:38	OM-270	Newport City Hall	650	CLR	N=None	50.6	51.5	29.68	SSE	Light Breeze (1.5 mph)	1	2.1	ND-Non Detect			
10/9/2025 8:41	OM-250	24th st. & 3rd Ave	650	CLR	N=None	51.2	51.1	29.68	SSE	Light Breeze (1.5 mph)	0.5	0.8	ND-Non Detect			
10/9/2025 8:47	OM-260	Mayle-Trans Trucking School	650	CLR	N=None	52.3	52.1	29.66	SSE	Light Breeze (1.5 mph)	0.9	2.2	ND-Non Detect			
10/9/2025 8:55	OM-240	Ford Rd	650	CLR	N=None	50.8	51.7	29.67	SSE	Light Breeze (1.5 mph)	0.3	1.7	ND-Non Detect			
10/11/2025 9:52	OM-220	494-W Walking Path	600	CLR	N=None	56.2	50.8	29.45	N	Light Breeze (1.5 mph)	1.9	3.9	ND-Non Detect			
10/11/2025 10:04	OM-160	Red Rock Crossing Transit Center	600	CLR	N=None	56.4	51.9	29.52	N	Light Breeze (1.5 mph)	2.4	4	ND-Non Detect			
10/11/2025 10:15	OM-270	Newport City Hall	600	CLR	N=None	56.3	52.6	29.5	N	Light Breeze (1.5 mph)	3.7	7.1	ND-Non Detect			
10/11/2025 10:21	OM-250	24th st. & 3rd Ave	600	CLR	N=None	58.6	54.4	29.5	N	Light Breeze (1.5 mph)	1.4	4	ND-Non Detect			
10/11/2025 10:26	OM-260	Mayle-Trans Trucking School	600	CLR	N=None	62.2	49.5	29.48	N	Light Breeze (1.5 mph)	1.7	2.5	ND-Non Detect			
10/12/2025 10:32	OM-240	Ford Rd	600	CLR	N=None	63.1	47.7	29.47	N	Light Breeze (1.5 mph)	1.9	3.5	ND-Non Detect			
10/12/2025 11:18	OM-220	494-W Walking Path	425	CLR	N=None	63.2	53.6	29.03	SE	Light Breeze (1.5 mph)	3.5	7.4	ND-Non Detect			
10/12/2025 11:32	OM-160	Red Rock Crossing Transit Center	425	CLR	N=None	63.7	59.3	29.06	SE	Light Breeze (1.5 mph)	3.6	7.2	ND-Non Detect			
10/12/2025 11:37	OM-270	Newport City Hall	425	CLR	N=None	64.9	57.6	29.07	SE	Light Breeze (1.5 mph)	1.4	3.2	ND-Non Detect			
10/12/2025 11:42	OM-250	24th st. & 3rd Ave	425	CLR	N=None	65.5	58	29.05	SE	Light Breeze (1.5 mph)	1.8	3.1	ND-Non Detect			
10/12/2025 11:45	OM-260	Mayle-Trans Trucking School	425	CLR	N=None	64.4	59	29.05	SE	Moderate Breeze (5-15 mph)	4.2	9.4	ND-Non Detect			
10/12/2025 11:52	OM-240	Ford Rd	425	CLR	N=None	62.7	58.3	29.05	SE	Light Breeze (1.5 mph)	3	7.3	ND-Non Detect			
10/15/2025 11:40	OM-220	494-W Walking Path	850	OVC	N=None	59.9	56.8	29.51	E	Light Breeze (1.5 mph)	0.8	3.6	ND-Non Detect	1 - Very Weak		Aggregate
10/15/2025 11:51	OM-160	Red Rock Crossing Transit Center	850	OVC	N=None	59	61.9	29.55	E	Light Breeze (1.5 mph)	0.9	3.6	ND-Non Detect			
10/15/2025 12:05	OM-270	Newport City Hall	850	OVC	N=None	56.8	62.8	29.55	E	Light Breeze (1.5 mph)	1.6	4.7	ND-Non Detect	1 - Very Weak		Aggregate
10/15/2025 12:09	OM-250	24th st. & 3rd Ave	850	OVC	N=None	59	61.2	29.55	E	Light Breeze (1.5 mph)	2.6	2.3	ND-Non Detect			
10/15/2025 12:16	OM-260	Mayle-Trans Trucking School	850	OVC	N=None	55.3	67.2	29.51	E	Light Breeze (1.5 mph)	0.6	4.7	ND-Non Detect			
10/23/2025 15:16	OM-240	Ford Rd	850	OVC	N=None	53	68.2	29.52	E	Light Breeze (1.5 mph)	0.9	2.3	ND-Non Detect			
10/23/2025 15:21	OM-220	494-W Walking Path	850	OVC	N=None	52.2	51.8	29.52	WNW	Light Breeze (1.5 mph)	5.1	6.3	ND-Non Detect			
10/23/2025 15:33	OM-160	Red Rock Crossing Transit Center	850	OVC	N=None	51.6	51.8	29.29	WNW	Light Breeze (1.5 mph)	3.8	5.1	ND-Non Detect	2	2 - Weak	503-MSW
10/23/2025 13:03	OM-270	Newport City Hall	850	OVC	N=None	53.7	46.5	29.5	WNW	Light Breeze (1.5 mph)	1.4	2.9	ND-Non Detect			
10/23/2025 13:08	OM-250	24th st. & 3rd Ave	850	OVC	N=None	54.4	43.7	29.29	WNW	Light Breeze (1.5 mph)	1.7	4.9	ND-Non Detect			
10/23/2025 13:11	OM-260	Mayle-Trans Trucking School	850	OVC	N=None	50.8	50.5	29.29	WNW	Light Breeze (1.5 mph)	2.6	4.9	ND-Non Detect			
10/23/2025 13:18	OM-240	Ford Rd	850	OVC	N=None	54.2	44.8	29.27	WNW	Light Breeze (1.5 mph)	3.9	6.4	ND-Non Detect	<2	1 - Very Weak	503-MSW
10/29/2025 11:31	OM-160	Red Rock Crossing Transit Center	600	CLR	N=None	55.8	60	29.51	N	Moderate Breeze (5-15 mph)	5.4	7.6	ND-Non Detect			
10/29/2025 11:36	OM-270	Newport City Hall	600	CLR	N=None	59.8	49.8	29.54	N	Light Breeze (1.5 mph)	1.5	2.5	ND-Non Detect			
10/29/2025 11:50	OM-250	24th st. & 3rd Ave	600	CLR	N=None	58.4	49.5	29.55	N	Light Breeze (1.5 mph)	2.8	4.8	ND-Non Detect			
10/29/2025 12:00	OM-260	Mayle-Trans Trucking School	600	CLR	N=None	59.3	45.2	29.54	N	Light Breeze (1.5 mph)	2.1	2.1	ND-Non Detect			
10/29/2025 12:07	OM-240	Ford Rd	600	CLR	N=None	58.2	46.7	29.52	N	Light Breeze (1.5 mph)	3.1	6.2	ND-Non Detect			
10/29/2025 12:13	OM-220	494-W Walking Path	600	CLR	N=None	57.4	47.8	29.53	N	Light Breeze (1.5 mph)	1.7	2.7	ND-Non Detect			
10/31/2025 11:31	OM-160	Red Rock Crossing Transit Center	650	SCR	N=None	52.2	49.3	29.13	N	Light Breeze (1.5 mph)	1.6	2.9	ND-Non Detect	2	2 - Weak	503-MSW
10/31/2025 11:36	OM-270	Newport City Hall	650	SCR	N=None	52.9	47.8	29.18	N	Light Breeze (1.5 mph)	1.8	2.9	ND-Non Detect			
10/31/2025 11:56	OM-250	24th st. & 3rd Ave	650	SCR	N=None	50.7	52.9	29.18	N	Light Breeze (1.5 mph)	1.9	3.1	ND-Non Detect			
10/31/2025 12:00	OM-260	Mayle-Trans Trucking School	650	SCR	N=None	50.5	55.9	29.18	N	Light Breeze (1.5 mph)	1.1	1.7	ND-Non Detect			
10/31/2025 12:07	OM-240	Ford Rd	650	SCR	N=None	47.3	58.8	29.16	N	Light Breeze (1.5 mph)	1.6	2.8	ND-Non Detect			
11/5/2025 10:01	OM-220	494-W Walking Path	300	CLR	N=None	45.8	53.7	29.18	N	Light Breeze (1.5 mph)	1.3	1.9	ND-Non Detect			
11/5/2025 10:16	OM-160	Red Rock Crossing Transit Center	300	CLR	N=None	45.8	58.7	29.24	WNW	Moderate Breeze (5-15 mph)	10.2	15.8	ND-Non Detect	2	2 - Weak	503-MSW
11/5/2025 10:16	OM-240	Ford Rd	300	CLR	N=None	47.5	47.8	29.26	WNW	Moderate Breeze (5-15 mph)	5.9	9.4	ND-Non Detect	<2	2 - Weak	503-MSW

Table 4 (continued)

Date	Loc #	Location	Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
11/5/2025 10:23	OM-270	Newport City Hall	300	CLR	N=None	46.1	52.5	29.26	WNW	Moderate Breeze (5-15 mph)	7.9	40.1	<2	1 - Very Weak	-1	503-MSW
11/5/2025 10:27	OM-250	24th st & 3rd Ave	300	CLR	N=None	48.9	50.1	29.26	WNW	Light Breeze (1-5 mph)	4.1	6.2	ND-Non Detect			
11/5/2025 10:31	OM-260	Mayle-Trans Trucking School	300	CLR	N=None	48.6	54.6	29.25	WNW	Light Breeze (1-5 mph)	3.9	5.7	ND-Non Detect			
11/5/2025 10:39	OM-240	Ford Rd	350	CLR	N=None	49.4	55.2	29.25	WNW	Moderate Breeze (5-15 mph)	5.1	8.8	<2	1 - Very Weak	-1	503-Rendering-burning bone
11/7/2025 13:15	OM-220	494-W Walking Path	350	CLR	N=None	52.1	42.8	29.29	WNW	Moderate Breeze (5-15 mph)	12.2	14.8	2	2 - Weak	-3	503-MSW
11/7/2025 13:31	OM-160	Red Rock Crossing Transit Center	350	CLR	N=None	56.6	37.5	29.26	WNW	Moderate Breeze (5-15 mph)	7	10.2	2	2 - Weak	-3	503-MSW
11/7/2025 13:39	OM-270	Newport City Hall	350	CLR	N=None	58.3	28.2	29.26	WNW	Light Breeze (1-5 mph)	4.9	6.7	<2	1 - Very Weak	-1	503-MSW
11/7/2025 13:45	OM-250	24th st & 3rd Ave	350	CLR	N=None	61.5	32.4	29.25	WNW	Light Breeze (1-5 mph)	1.8	2.7	<2	1 - Very Weak	-1	503-Rendering-burning bone
11/7/2025 13:58	OM-240	Mayle-Trans Trucking School	350	CLR	N=None	63.3	30	29.26	WNW	Moderate Breeze (5-15 mph)	2.4	4.1	ND-Non Detect			
11/7/2025 13:40	OM-220	494-W Walking Path	975	CLR	N=None	49.8	54.1	28.92	WNW	Moderate Breeze (5-15 mph)	7.1	9.8	2	3 - Weak/Moderate	-4	503-MSW
11/7/2025 13:56	OM-160	Red Rock Crossing Transit Center	975	CLR	N=None	55.7	46.6	28.94	WNW	Light Breeze (1-5 mph)	3.9	5.1	<2	1 - Very Weak	-2	503-MSW
11/7/2025 14:03	OM-270	Newport City Hall	975	CLR	N=None	55.6	32.1	28.91	WNW	Light Breeze (1-5 mph)	4.7	6.7	2	2 - Weak	-3	503-Rendering-burning bone
11/7/2025 14:07	OM-250	24th st & 3rd Ave	975	CLR	N=None	53.9	30.8	28.92	WNW	Light Breeze (1-5 mph)	2.2	2.9	ND-Non Detect			
11/7/2025 14:12	OM-260	Mayle-Trans Trucking School	975	CLR	N=None	59.4	31.6	28.92	WNW	Light Breeze (1-5 mph)	2.2	3	ND-Non Detect			
11/7/2025 14:20	OM-240	Ford Rd	2200	CLR	N=None	57.4	33.3	28.92	WNW	Light Breeze (1-5 mph)	4.5	6.7	<2	1 - Very Weak	-1	503-MSW
11/7/2025 14:10	OM-220	494-W Walking Path	2200	CLR	N=None	57.1	35.6	29	NW	Moderate Breeze (5-15 mph)	9.2	12.6	ND-Non Detect			
11/7/2025 14:23	OM-160	Red Rock Crossing Transit Center	2200	CLR	N=None	59.4	31.6	29.05	NW	Light Breeze (1-5 mph)	4.5	9.5	ND-Non Detect			
11/7/2025 14:32	OM-270	Newport City Hall	2200	CLR	N=None	61.3	27.5	29.06	NW	Light Breeze (1-5 mph)	2.5	5.5	<2	1 - Very Weak	-1	503-MSW
11/7/2025 14:41	OM-250	24th st & 3rd Ave	2200	CLR	N=None	63.3	23.7	29.05	NW	Light Breeze (1-5 mph)	2.4	4	ND-Non Detect			
11/7/2025 14:45	OM-260	Mayle-Trans Trucking School	2200	CLR	N=None	62.7	29.6	29.05	NW	Light Breeze (1-5 mph)	2.1	3.7	ND-Non Detect			
11/7/2025 14:50	OM-240	Ford Rd	2200	CLR	N=None	61.8	28.5	29.05	NW	Light Breeze (1-5 mph)	2	3.6	ND-Non Detect			
11/7/2025 14:56	OM-220	494-W Walking Path	1500	CLR	N=None	49.4	35.8	29.28	WNW	Light Breeze (1-5 mph)	2.4	4.4	ND-Non Detect			
11/7/2025 15:06	OM-270	Red Rock Crossing Transit Center	1500	CLR	N=None	44.3	41.5	29.32	WNW	Light Breeze (1-5 mph)	3.3	6.6	ND-Non Detect			
11/7/2025 15:12	OM-250	24th st & 3rd Ave	1500	CLR	N=None	41.4	40.9	29.33	WNW	Light Breeze (1-5 mph)	1.8	3.7	ND-Non Detect			
11/7/2025 15:19	OM-260	Mayle-Trans Trucking School	1500	CLR	N=None	42.1	40.2	29.32	WNW	Light Breeze (1-5 mph)	1.5	2.3	ND-Non Detect			
11/7/2025 15:28	OM-240	Ford Rd	1500	CLR	N=None	41.8	40.6	29.28	WNW	Light Breeze (1-5 mph)	1.5	2.3	ND-Non Detect			
11/7/2025 15:38	OM-220	494-W Walking Path	1500	CLR	N=None	40.3	39.8	29.33	WNW	Light Breeze (1-5 mph)	0.5	1.3	ND-Non Detect			
11/7/2025 15:45	OM-270	Newport City Hall	1500	OVC	N=None	46.2	73.4	29.26	WNW	Moderate Breeze (5-15 mph)	9.2	11.3	2	2 - Weak	-3	503-MSW
11/7/2025 15:52	OM-250	24th st & 3rd Ave	1500	OVC	N=None	48.4	67.9	29.27	WNW	Moderate Breeze (5-15 mph)	5.4	7.4	<2	1 - Very Weak	-1	503-MSW
11/7/2025 15:59	OM-260	Mayle-Trans Trucking School	1500	OVC	N=None	51.1	49.8	29.25	WNW	Light Breeze (1-5 mph)	3.9	4.8	2	3 - Weak/Moderate	-4	503-Rendering-burning bone
11/7/2025 16:08	OM-240	Ford Rd	1500	OVC	N=None	54.3	52.5	29.25	WNW	Light Breeze (1-5 mph)	1.2	1.8	ND-Non Detect			
11/7/2025 16:15	OM-220	494-W Walking Path	1500	OVC	N=None	53	58.4	29.25	WNW	Light Breeze (1-5 mph)	3.6	5.1	<2	1 - Very Weak	-1	503-MSW
11/7/2025 16:22	OM-270	Newport City Hall	150	CLR	N=None	44.4	73.6	29.31	NW	Moderate Breeze (5-15 mph)	6.7	8.9	ND-Non Detect			
11/7/2025 16:30	OM-250	24th st & 3rd Ave	150	CLR	N=None	45.2	71.8	29.34	NW	Light Breeze (1-5 mph)	3.7	5.8	ND-Non Detect			
11/7/2025 16:37	OM-260	Mayle-Trans Trucking School	150	CLR	N=None	45.8	73.8	29.34	NW	Moderate Breeze (5-15 mph)	5.2	7.4	ND-Non Detect			
11/7/2025 16:44	OM-240	Ford Rd	150	CLR	N=None	44.2	70.8	29.34	NW	Light Breeze (1-5 mph)	4.8	6.8	ND-Non Detect			
11/7/2025 16:51	OM-220	494-W Walking Path	150	CLR	N=None	45.0	72.8	29.34	NW	Light Breeze (1-5 mph)	2.8	5.9	ND-Non Detect			
11/7/2025 16:58	OM-270	Newport City Hall	150	CLR	N=None	47.0	70	29.33	NW	Light Breeze (1-5 mph)	4.2	6	ND-Non Detect			
11/7/2025 17:05	OM-250	24th st & 3rd Ave	425	OVC	N=None	33.3	38.7	29.37	WNW	Light Breeze (1-5 mph)	4.2	7.3	ND-Non Detect			
11/7/2025 17:12	OM-260	Mayle-Trans Trucking School	425	OVC	N=None	27.3	33.4	29.37	WNW	Moderate Breeze (5-15 mph)	6.9	9.2	ND-Non Detect			
11/7/2025 17:19	OM-240	Ford Rd	525	OVC	N=None	32.6	34.5	29.42	WNW	Light Breeze (1-5 mph)	3.7	5.9	<2	1 - Very Weak	-1	503-MSW
11/7/2025 17:26	OM-220	494-W Walking Path	525	OVC	N=None	34.1	35.9	29.41	WNW	Light Breeze (1-5 mph)	2.3	3.1	ND-Non Detect			
11/7/2025 17:33	OM-270	Newport City Hall	525	OVC	N=None	31.7	35.8	29.38	WNW	Light Breeze (1-5 mph)	1.7	2.5	ND-Non Detect			
11/7/2025 17:40	OM-250	24th st & 3rd Ave	525	OVC	N=None	30.4	35.7	29.38	WNW	Light Breeze (1-5 mph)	0.8	1.4	ND-Non Detect			
11/7/2025 17:47	OM-260	Mayle-Trans Trucking School	1050	OVC	N=None	43.7	49.6	29.1	N	Light Breeze (1-5 mph)	0.7	3	ND-Non Detect			
11/7/2025 17:54	OM-240	Ford Rd	1050	OVC	N=None	44.1	50.2	29.13	N	Light Breeze (1-5 mph)	1.7	4	<2	1 - Very Weak	-1	503-MSW
11/7/2025 18:01	OM-220	494-W Walking Path	1050	OVC	N=None	45.7	37.8	29.15	N	Light Breeze (1-5 mph)	2.2	3.3	<2	1 - Very Weak	-1	503-MSW
11/7/2025 18:08	OM-270	Newport City Hall	1050	OVC	N=None	43.1	43	29.14	N	Light Breeze (1-5 mph)	2.4	5.2	ND-Non Detect			
11/7/2025 18:15	OM-250	24th st & 3rd Ave	1050	OVC	N=None	44.9	48.5	29.13	N	Light Breeze (1-5 mph)	1.3	4.8	ND-Non Detect			
11/7/2025 18:22	OM-260	Mayle-Trans Trucking School	1050	OVC	N=None	45.7	44.3	29.73	NW	Light Breeze (1-5 mph)	1.5	5	ND-Non Detect			
11/7/2025 18:29	OM-240	Ford Rd	1000	BKN	N=None	30.2	74.5	29.31	NW	Light Breeze (1-5 mph)	3.8	7.5	ND-Non Detect			
11/7/2025 18:36	OM-220	494-W Walking Path	1000	BKN	N=None	30.2	72.8	29.31	NW	Light Breeze (1-5 mph)	2.3	5.9	ND-Non Detect			
11/7/2025 18:43	OM-270	Newport City Hall	1000	BKN	N=None	28.7	73.6	29.32	NW	Light Breeze (1-5 mph)	4.1	8.9	ND-Non Detect			
11/7/2025 18:50	OM-250	24th st & 3rd Ave	1000	BKN	N=None	29.4	71.8	29.32	NW	Light Breeze (1-5 mph)	3.6	6.7	ND-Non Detect			
11/7/2025 18:57	OM-260	Mayle-Trans Trucking School	1000	BKN	N=None	28.6	73.4	29.33	NW	Light Breeze (1-5 mph)	2.9	6	ND-Non Detect			
11/7/2025 19:04	OM-240	Ford Rd	925	BKN	N=None	24.4	67.9	29.42	NW	Light Breeze (1-5 mph)	4.6	7.8	ND-Non Detect			
11/7/2025 19:11	OM-220	494-W Walking Path	925	CLR	N=None	23.1	65.3	29.42	WNW	Light Breeze (1-5 mph)	3.2	4.3	ND-Non Detect			
11/7/2025 19:18	OM-270	Newport City Hall	925	CLR	N=None	21.4	66.8	29.4	WNW	Light Breeze (1-5 mph)	4.1	5	ND-Non Detect			
11/7/2025 19:25	OM-250	24th st & 3rd Ave	925	CLR	N=None	22.7	65.9	29.41	WNW	Light Breeze (1-5 mph)	3.8	4.9	ND-Non Detect			

Table 4 (continued)

Date	Loc #	Location	Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
12/29/2025 16:43	OM-260	Mayle-Trans Trucking School	925	CLR	N=None	20.4	66.4	29.41	WNW	Light Breeze (1-5 mph)	3.5	5.1	ND-Non Detect			
12/29/2025 16:52	OM-240	Ford Rd	925	CLR	N=None	21.9	67.1	29.4	WNW	Light Breeze (1-5 mph)	3	4.6	ND-Non Detect			
12/27/2025 15:53	OM-220	494-W Walking Path	1600	OVC	N=None	34.3	86.7	29.36	SW	Moderate Wind (5-15 mph)	6.5	8.9	ND-Non Detect			
12/27/2025 16:06	OM-160	Red Rock Crossing Transit Center	1600	OVC	N=None	37.8	85.2	29.35	SW	Light Breeze (1-5 mph)	4.8	6.2	ND-Non Detect			
12/27/2025 16:12	OM-270	Newport City Hall	1600	OVC	N=None	35.2	86.5	29.35	SW	Moderate Wind (5-15 mph)	5.4	7.8	ND-Non Detect			
12/27/2025 16:18	OM-250	24th st & 3rd Ave	1600	OVC	N=None	36.1	84.9	29.38	SW	Light Breeze (1-5 mph)	3.6	5.7	ND-Non Detect			
12/27/2025 16:23	OM-260	Mayle-Trans Trucking School	1600	OVC	N=None	37.4	85.4	29.34	SW	Light Breeze (1-5 mph)	4.1	6.8	ND-Non Detect			
12/27/2025 16:30	OM-240	Ford Rd	1600	OVC	N=None	38	86	29.36	SW	Light Breeze (1-5 mph)	4.5	7.3	ND-Non Detect			
12/28/2025 10:52	OM-220	494-W Walking Path	1900	OVC	N=None	39.6	82.5	29.31	NW	Light Breeze (1-5 mph)	4.9	9	ND-Non Detect			
12/28/2025 11:05	OM-160	Red Rock Crossing Transit Center	1900	OVC	N=None	40.1	80.6	29.34	NW	Light Breeze (1-5 mph)	3.8	7.6	ND-Non Detect			
12/28/2025 11:11	OM-270	Newport City Hall	1900	OVC	N=None	38.4	82.4	29.33	NW	Light Breeze (1-5 mph)	4.2	8.4	ND-Non Detect			
12/28/2025 11:16	OM-250	24th st & 3rd Ave	1900	OVC	N=None	37.5	80.2	29.33	NW	Light Breeze (1-5 mph)	3.1	6.9	ND-Non Detect			
12/28/2025 11:21	OM-260	Mayle-Trans Trucking School	1900	OVC	N=None	39.8	81.6	29.32	NW	Light Breeze (1-5 mph)	3.9	7.4	ND-Non Detect			
12/29/2025 11:28	OM-240	Ford Rd	1900	OVC	N=None	39.4	81.9	29.36	WNW	Light Breeze (1-5 mph)	4.6	8.7	ND-Non Detect			
12/31/2025 14:23	OM-220	494-W Walking Path	650	BKN	N=None	25.4	71.4	29.36	WNW	Light Breeze (1-5 mph)	3.7	6.2	ND-Non Detect			
12/31/2025 14:36	OM-160	Red Rock Crossing Transit Center	650	BKN	N=None	25.4	70.5	29.36	WNW	Light Breeze (1-5 mph)	3.5	5.9	ND-Non Detect			
12/31/2025 14:40	OM-270	Newport City Hall	650	BKN	N=None	26.3	71.6	29.34	WNW	Light Breeze (1-5 mph)	4.2	5.9	ND-Non Detect			
12/31/2025 14:44	OM-250	24th st & 3rd Ave	650	BKN	N=None	24.9	69.8	29.35	WNW	Light Breeze (1-5 mph)	3.1	2.8	ND-Non Detect			
12/31/2025 14:51	OM-260	Mayle-Trans Trucking School	650	BKN	N=None	25.8	70.6	29.36	WNW	Light Breeze (1-5 mph)	3.1	5	ND-Non Detect			
12/31/2025 15:00	OM-240	Ford Rd	650	BKN	N=None	26.7	71.8	29.34	WNW	Light Breeze (1-5 mph)	3.9	5.8	ND-Non Detect			

Notes:  
 ND = non-detect  
 < = less than  
 > = greater than  
 D/T = dilution/threshold  
 mph = miles per hour  
 R&E Center = Ramsey/Washington Recycling & Energy Center  
 \*Hedonic tone is a purely subjective measurement. The rating is from -10 to 10 with -10 being the worst smell an individual has been subjected to with a 10 being the best smelling  
 Prepared by: AGS  
 Checked by: GSR

**Table 5**  
**2025 Municipal Solid Waste Detects and Inspections Quarterly Summary**  
**Ramsey/Washington Recycling & Energy Center**

Date	Loc #	Location	Garbage on Tipping Floor (tons)	Weather Condition	Precipitation	Temperature	Humidity	Pressure	Wind Direction	Wind Speed	Actual Wind Speed	Wind Gust	D/T	WORD ODOR SCALE	Hedonic Tone	Primary Descriptor
5/7/2025 8:00	OM-220	494-W Walking Path	825	CLR	N-None	62.3	61.6	29.41	NNE	Light Breeze (1-5 mph)	3.1	6.4	-2	3- Weak/Moderate	-4	503-MSW
5/7/2025 13:32	OM-220	494-W Walking Path	1425	CLR	N-None	65.3	58.6	29.34	NNW	Light Breeze (1-5 mph)	4	5.6	<-2	1- Very Weak	-3	503-MSW
5/29/2025 10:31	OM-160	Red Rock Crossing Transit Center	1000	CLR	N-None	69.6	35.3	29.39	NNW	Light Breeze (1-5 mph)	3.4	5.3	<-2	4- Moderate	-4	503-MSW
5/30/2025 11:40	OM-160	Red Rock Crossing Transit Center	1650	CLR	N-None	74.6	41.7	29.29	NNW	Light Breeze (1-5 mph)	3.6	6.3	-2	4- Moderate	-3	503-MSW
6/4/2025 10:33	OM-220	494-W Walking Path	1100	CLR	N-None	74.7	57.6	29.29	NNW	Light Breeze (1-5 mph)	1.3	2.9	-2	2- Weak	-4	503-MSW
6/4/2025 10:55	OM-160	Red Rock Crossing Transit Center	1100	CLR	N-None	77.8	61.9	29.33	N	Light Breeze (1-5 mph)	1.9	3.7	<-2	1- Very Weak	-1	503-MSW
6/9/2025 15:18	OM-220	494-W Walking Path	300	BKN	N-None	68.2	52.1	29.29	NNW	Moderate Breeze (5-15 mph)	5.2	9.6	-2	3- Weak/Moderate	-4	503-MSW
6/24/2025 13:34	OM-160	Red Rock Crossing Transit Center	300	BKN	N-None	71.7	47.6	29.29	NNW	Light Breeze (1-5 mph)	2	4	-2	2- Weak	-6	503-MSW
6/24/2025 12:25	OM-220	494-W Walking Path	1000	CLR	N-None	77.8	48.2	29.48	NNE	Light Breeze (1-5 mph)	2.2	3.6	-2	3- Weak/Moderate	-3	503-MSW
7/8/2025 14:50	OM-160	Red Rock Crossing Transit Center	200	CLR	N-None	86.9	46.3	29.33	NNW	Light Breeze (1-5 mph)	2.2	3.9	-2	2- Weak	-3	503-MSW
7/8/2025 14:58	OM-270	Newport City Hall	200	CLR	N-None	91.5	44.3	29.29	NNW	Light Breeze (1-5 mph)	1.8	3.8	<-2	2- Weak	-2	503-MSW
7/16/2025 14:20	OM-220	494-W Walking Path	375	OVC	N-None	88.5	72.6	29.43	N	Light Breeze (1-5 mph)	3.7	6.5	-2	2- Weak	-3	503-MSW
7/29/2025 13:31	OM-270	Newport City Hall	850	CLR	N-None	89.3	46.7	29.42	N	Light Breeze (1-5 mph)	1.7	3	<-2	2- Weak	-2	503-MSW
8/12/2025 14:02	OM-220	494-W Walking Path	525	CLR	N-None	82.3	44.3	29.15	W	Moderate Breeze (5-15 mph)	6	8.3	-2	4- Moderate	-6	503-MSW
8/12/2025 14:29	OM-270	Red Rock Crossing Transit Center	525	CLR	N-None	85.5	45.8	29.19	W	Light Breeze (1-5 mph)	4.3	6	-2	1- Very Weak	-6	503-MSW
8/12/2025 14:38	OM-260	Mayle-Trans Trucking School	525	CLR	N-None	85.7	42.5	29.18	W	Light Breeze (1-5 mph)	0.7	3	<-2	1- Very Weak	-2	503-MSW
8/20/2025 14:00	OM-220	494-W Walking Path	725	SCT	N-None	82	61.7	29.4	ENE	Light Breeze (1-5 mph)	2.4	6	-2	2- Weak	-2	503-MSW
8/29/2025 13:30	OM-220	494-W Walking Path	1400	CLR	N-None	69.8	51.2	29.32	NW	Light Breeze (1-5 mph)	4.1	6.7	<-2	1- Very Weak	-2	503-MSW
8/29/2025 13:50	OM-160	Red Rock Crossing Transit Center	1400	CLR	N-None	71.3	50	29.33	NW	Light Breeze (1-5 mph)	3.2	4.8	-2	1- Very Weak	-2	503-MSW
8/29/2025 13:55	OM-270	Newport City Hall	1400	CLR	N-None	72.3	48.5	29.34	NW	Light Breeze (1-5 mph)	3.6	5.2	<-2	1- Very Weak	-2	503-MSW
8/29/2025 14:02	OM-260	Mayle-Trans Trucking School	1400	CLR	N-None	71.7	47.2	29.31	NW	Light Breeze (1-5 mph)	4.2	7.1	<-2	1- Very Weak	-2	503-MSW
8/28/2025 14:05	OM-270	494-W Walking Path	1700	CLR	N-None	77.7	56.7	29.37	N	Light Breeze (1-5 mph)	1.6	4.8	-2	2- Weak	-2	503-MSW
9/5/2025 11:32	OM-270	Newport City Hall	650	SCT	N-None	64.5	52.3	29.19	NW	Light Breeze (1-5 mph)	4.1	8.6	-2	2- Weak	-2	503-MSW
10/22/2025 12:53	OM-160	Red Rock Crossing Transit Center	650	OVC	N-None	51.6	51.5	29.29	NNW	Light Breeze (1-5 mph)	3.8	5.1	-2	2- Weak	-2	503-MSW
10/22/2025 13:18	OM-240	Ford Rd	650	OVC	N-None	54.2	44.8	29.27	NNW	Light Breeze (1-5 mph)	3.9	6.4	<-2	1- Very Weak	-2	503-MSW
10/31/2025 11:31	OM-220	494-W Walking Path	650	SCT	N-None	52.2	49.3	29.13	N	Light Breeze (1-5 mph)	1.6	2.9	-2	2- Weak	-2	503-MSW
11/5/2025 10:23	OM-220	494-W Walking Path	300	CLR	N-None	45.8	58.7	29.24	NNW	Moderate Breeze (5-15 mph)	10.2	15.8	<-2	1- Very Weak	-1	503-MSW
11/11/2025 13:15	OM-220	Newport City Hall	300	CLR	N-None	46.1	52.5	29.26	NNW	Moderate Breeze (5-15 mph)	7.9	40.1	-2	2- Weak	-1	503-MSW
11/11/2025 13:31	OM-160	Red Rock Crossing Transit Center	350	CLR	N-None	52.1	42.8	29.29	NNW	Moderate Breeze (5-15 mph)	12.2	14.8	-2	2- Weak	-3	503-MSW
11/11/2025 13:39	OM-270	Newport City Hall	350	CLR	N-None	56.6	37.5	29.26	NNW	Moderate Breeze (5-15 mph)	7	10.2	-2	2- Weak	-3	503-MSW
11/12/2025 13:40	OM-270	Red Rock Crossing Transit Center	975	CLR	N-None	58.3	28.2	29.26	NNW	Moderate Breeze (5-15 mph)	4.9	6.7	<-2	1- Very Weak	-1	503-MSW
11/12/2025 13:56	OM-160	494-W Walking Path	975	CLR	N-None	49.8	54.1	28.92	NNW	Moderate Breeze (5-15 mph)	7.1	9.8	-2	3- Weak/Moderate	-4	503-MSW
11/12/2025 14:20	OM-240	Ford Rd	975	CLR	N-None	55.7	46.3	28.92	NNW	Light Breeze (1-5 mph)	3.9	5.1	<-2	1- Very Weak	-2	503-MSW
11/12/2025 14:32	OM-270	Red Rock Crossing Transit Center	2200	CLR	N-None	61.3	33.3	29.06	NNW	Light Breeze (1-5 mph)	4.5	6.7	<-2	1- Very Weak	-1	503-MSW
11/20/2025 12:10	OM-220	494-W Walking Path	1550	OVC	N-None	46.2	73.4	29.26	NNW	Moderate Breeze (5-15 mph)	9.2	11.3	-2	2- Weak	-3	503-MSW
11/20/2025 12:26	OM-160	Red Rock Crossing Transit Center	1550	OVC	N-None	48.7	67.9	29.27	NNW	Moderate Breeze (5-15 mph)	5.4	7.4	<-2	1- Very Weak	-1	503-MSW
11/20/2025 12:51	OM-240	Ford Rd	525	OVC	N-None	53	58.4	29.25	NNW	Light Breeze (1-5 mph)	3.6	5.9	<-2	1- Very Weak	-1	503-MSW
12/10/2025 8:30	OM-580	Red Rock Crossing Transit Center	1050	OVC	N-None	32.6	34.5	29.13	NNW	Light Breeze (1-5 mph)	3.7	5.9	<-2	1- Very Weak	-1	503-MSW
12/10/2025 8:35	OM-581	Newport City Hall	1050	OVC	N-None	45.7	37.8	29.15	N	Light Breeze (1-5 mph)	2.2	3.3	<-2	1- Very Weak	-1	503-MSW

Notes:  
 < = less than  
 > = greater than  
 \*Hedonic tone is a purely subjective measurement. The rating is from -10 to 10 with -10 being the worst smell an individual has been subjected to with a 10 being the the best smelling  
 ND = non-detect  
 D/T = dilution/threshold  
 mph = miles per hour  
 R&E Center = Ramsey/Washington Recycling & Energy Center  
 Wind directions = North (N), South (S), East (E), West (W) or any combination, thereof.  
 Prepared by: ACST  
 Checked by: GGR

**Table 5 (continued)**

2025 MSW Summary					
	25Q1	25Q2	25Q3	25Q4	Total
Number of inspections	192	174	174	144	684
Resulting in a 503 MSW Detection	0	9	16	18	43
Max D/T	0	2	2	2	NA

2025 Rendering Summary					
	25Q1	25Q2	25Q3	25Q4	Total
Number of Inspections	192	174	174	144	684
Resulting in a 508 Rendering Detection	10	4	6	6	26
Max D/T	4	2	2	2	NA

**25Q1**

January 1st to March 31st			
Temperature	Humidity	Pressure	
Maximum Condition	60.7	75.9	29.5
Average Conditions	27.8	59.4	29.3
Minimum Condition	-2.1	41.7	29.1

**25Q2**

April 1st to June 30th			
Temperature	Humidity	Pressure	
Maximum Condition	92.6	100.0	29.5
Average Conditions	64.5	52.0	29.3
Minimum Condition	35.6	18.2	28.9

**25Q3**

July 1st to September 30th			
Temperature	Humidity	Pressure	
Maximum Condition	94.3	76.5	29.7
Average Conditions	79.7	52.4	29.3
Minimum Condition	60.9	33.5	29.0

**25Q4**

October 1st to December 31st			
Temperature	Humidity	Pressure	
Maximum Condition	79.2	86.7	29.8
Average Conditions	50.1	54.6	29.3
Minimum Condition	20.4	23.7	28.9

**Detects**

Temperature	Humidity	Pressure
Maximum Condition	91.5	73.4
Average Conditions	65.6	49.2
Minimum Condition	32.6	27.5



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

**R&E Center Tours  
Completed between Apr 17 – May 15, 2026**

Group	Group Type	Date	# of visitors
Woodbury Parks and Rec - Adult Programming #1	Community	4/21/26	14
Woodbury Parks and Rec - Adult Programming Group #2	Community	4/21/26	15
FSPP Participants	FSPP	4/21/26	5
St Paul Garden Club	Community	4/22/26	25
Walters Marketing	Industry	4/22/26	2
Community Tour	Community	4/22/26	6
Empower Me Group	Community	4/23/26	22
MN DOC	Governmental	4/24/26	15
WC Public Works Accounting & Administrative Staff	Community	4/30/26	11
3M	Industry	5/1/26	14
Senator Mark Koran (Rescheduled)	Governmental	5/1/26	1
Oakdale Area Chamber of Commerce	Business	5/4/26	10
Century College Class	Educational	5/4/26	13
Cottage Grove Elem SpEd 3rd - 5th	Educational	5/6/26	20
Metro Wastewater Staff	Governmental	5/6/26	12
White Bear Lake United Methodist Church Green Team	Community	5/7/26	12
Eastside Area Business Association (ESABA)	Business	5/7/26	6
Minnesota Multifamily Recycling Network	Educational	5/13/26	11
Cottage Grove HS / Career exploration	Educational	5/13/26	12

Total Number of Tours Completed: 19

Total Number of Tour Attendees: 226



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

Report of all professional service and supplies, equipment, material and labor (SEML) contracts, amendments and solicitations issued and executed under authority of Ramsey/Washington Recycling & Energy’s procurement guidelines (Resolution R&EB 2025-01) between April 1, 2026 – April 30, 2026.

<b>Vendor</b>	<b>Effective Date</b>	<b>Description</b>	<b>NTE/Budgeted Amount</b>	<b>Procurement Type</b>
Northland Mechanical Contractors Inc.	3/15/26	Facility – HVAC robot room	\$220,000	SEML
Cerida Investment Corp "AnswerNet"	5/1/26	Programs – Food Scrap Pickup Program customer support services	\$50,000 per year	Professional Services
EcoSafe Zero Waste USA Inc.	4/1/26	Programs – Kitchen food scrap bins	Approximately \$65,000 per year	SEML
Metropolitan Courier Corp.	5/1/26	Facility – Cash courier services	Under \$5,000 per year	SEML
Regents of the University of Minnesota, MnTAP Program	4/27/26	Programs – BizRecycling technical assistance	\$150,000 per year	Professional Services
J.R.’s Advanced Recyclers	6/1/26	Facility – Appliance recycling	Under \$20,000 per year	SEML
Builtrite Manufacturing	4/1/26	Facility – Parts and services for processing equipment	Rate Setting	SEML
Savi Solutions PBC	3/25/26	Facility – HR benefits tool	Under \$10,000 per year	Professional Services

The procurement team also processed 12 grants or amendments for deconstruction, food recovery, BizRecycling and multi-unit recycling programs in the amount of \$62,276.17. These grants were distributed throughout Ramsey and Washington Counties to assist in waste reduction and recycling efforts. Grant funds helped each recipient by providing materials and infrastructure needed to better support waste reduction and recycling efforts, as well as expand waste reduction and recycling education for their residents, employees and visitors.