TRI-PARTY AGREEMENT MILESTONE M-026-01
PROJECT MANAGER MEETING MINUTES

May 12, 2022

SIGNATURES:
In accordance with the Tri-Party Agreement Section 4.1, Project Manager Role, any agreements and commitments resulting from the meeting will be prepared and signed by all parties as soon as possible after the meeting. The undersigned indicate by their signatures (or their delegate's signature) that these meeting minutes reflect the actual discussion during this meeting. Signatures denote concurrence with the agreements and commitments resulting from this meeting and do not imply agreement with statements made during this meeting. Attachments to these meeting minutes are provided for informational purposes only.

Approval: MARK FRENCH Digitally signed by MARK FRENCH Date: 2022.07.19 13:51:56 -07'00' Date: _____

Mark S. French, Project Manager
U.S. Department of Energy,
Richland Operations Office

Approval: Mathey, Jared W. (ECY) 2022.06.21 13:24:52 -07'00' Date: _____

Jared W. Mathey, Project Manager
Washington State Department of
Ecology

TPA MILESTONE M-026-01 PROJECT MANAGER MEETING MINUTES
May 12, 2022

Attendees:

Ecology	DOE	HMIS
Kathy Conaway	Ingrid Colton	Stephanie Brasher
Theresa Howell	Kelly Ebert	Cody Schrader
Jared Mathey	Mark French	
	Kathleen Higgins	**WRPS**
CPCCO	Bryan Trimberger	Sean Scott
Leonard Habel		
Paul Martin		

Attachments:

- Attachment 1 – Agenda
- Attachment 2 – Waste Streams for CY2020 LDR Summary Report
- Attachment 3 – CY 2019 to 2020 LDR Report Crosswalk Table

Minutes:

1. Status/Approval of Previous Meeting Minutes

DOE and Ecology agreed to include the Process Information References Table created by Ecology for waste streams in the Calendar Year (CY) 2019 Land Disposal Restrictions (LDR) Full Report as an attachment to the April 19, 2022 PMM Minutes. The April 19, 2022 PMM Minutes are currently being routed for approval.

2. Status of Tri-Party Agreement (TPA) Interim M-026-01 Milestones

2.1 Milestone M-026-01AD (CY2019 LDR Full Report)

HMIS noted the TPA dispute resolution process at the PM level was extended from May 12, 2022 to May 20, 2022. DOE stated they are working internally to resolve the high-level waste issue in the report and should reach resolution today.

2.2 Milestone M-026-01AE (CY2020 LDR Summary Report)

HMIS noted Milestone M-026-01AE to submit the CY2020 LDR Summary Report is currently on schedule and contractor data entry is anticipated to be finished by May 23, 2022. HMIS also noted the 2019 potential mixed waste table (PMWT) would be distributed following the meeting and would be updated by contractor staff.

HMIS noted that the required 90-day notification deadline for interim Milestone M-026-01AE is June 2, 2022. HMIS stated if the TPA dispute resolution extensions associated with the primary document process for CY2019 LDR Full Report are going to impact the M-026-01AE deadline, a signed change control form must be submitted before the 90-day notification deadline of June 2, 2022 to modify the due date of the milestone.

2.2.1 Storage and Inventory Reporting

HMIS reported some concerns on behalf of Pacific Northwest National Laboratory (PNNL) reporting specific room numbers for waste containers in CY2020.

Ecology indicated there should be a document record every time a waste container is moved which would allow for reporting more specific inventory locations. However, Ecology was not sure if PNNL's permit shielded them from documenting all waste container movement or not.

DOE and Ecology requested a meeting with the PNNL LDR point of contact to discuss how to address reporting storage locations greater than one year in the past. HMIS took the action to schedule the meeting.

2.2.2 Revised Treatability Groups

HMIS presented a table of treatability groups and waste streams for the CY2020 LDR Summary Report (see Attachment 2). Notable changes included the addition of two new treatability groups (TSCR IX Columns and WTP Waste) and the removal of a location specific data sheet for the Hanford Site Laboratory Complex/Mixed waste from the 616 Building.

Ecology asked about the reasoning behind removing the 616 Building waste stream from the report. WRPS clarified that the 616 Building is strictly a 90-day accumulation area and the 616 data sheet was included in past LDR reports as a contingency if any waste happened to be stored longer than the 90-day period. As no waste has ever exceeded the 90-day limit at 616, the decision was made to remove the data sheet from the report.

Ecology expressed concern that the LDR report should include all mixed waste on the Hanford Site. DOE followed up stating that waste within accumulation areas is not counted within the current inventory totals of the LDR report and waste stored in accumulation areas only counts towards the five-year generation projections within the LDR report. WRPS added that the waste in 616 would be included in the Environmental Restoration Disposal Facility (ERDF) waste stream generation projections.

DOE and Ecology were both concerned how to best capture the changes in LDR reported waste data sheets from year-to-year as there is no section to address these changes in the intervening summary reports. DOE and HMIS agreed to put together a document highlighting waste stream changes for a future PMM closer to the delivery date of the CY2020 LDR Summary Report. Ecology agreed with this suggestion.

3. Status of Previous Agreements and Commitments

3.1 2019 to 2020 LDR Report Crosswalk Document

HMIS presented a table outlining the report sections and tables listed in the M-026-01AE milestone language, what sections and tables are similar to the CY2019 LDR Full Report, and what items from the *Calendar Year 2019 Hanford Land Disposal Restrictions (LDR) Full Report Project Manager Dispute Resolution Agreement Changes* document will be addressed in the listed sections of the CY2020 LDR Summary Report (see Attachment 3). Two issues highlighted were the difference between the summary of characterization information tables from the full five-year report and the summary report, as well as the milestone language that provides flexibility in table 5-1 for storage reporting.

DOE inquired as to when we can pull PFP from the LDR milestone reporting requirements. DOE stated that the contractor Environmental Compliance Officers (ECO) are responsible for much of the LDR data reporting, any decision to add or remove reported waste would be primarily driven by recommendations from the ECOs.

Ecology responded to the issue of flexibility within the LDR summary report by recommending the milestone language be changed to more closely match the LDR reporting requirements. Ecology also noted they cannot comment on changing anything in the CY2020 LDR Summary Report before having a draft to review and determining whether or not it meets all the agreement requirements.

3.2 Status Update of the Seven Underground Vault Tanks at the 325 Facility

DOE provided an update on discussions with PNNL and they are currently evaluating if they have enough process information to characterize and designate the waste within the 325 Vault Tanks.

DOE addressed the discussion from last month's PMM regarding the 2013 Record of Decision (ROD) for 300-FF-2 and possible Action Memorandum. After reviewing the 2002 LDR Resolution of Dispute, DOE highlighted the requirements for characterization and/or treatment schedule commitments included in the LDR report can be met by providing an end date for characterization and/or treatment activities.

DOE proposed a completion date of 2045 for the characterization, and possibly treatment activities, which aligns with the date PNNL is scheduled to vacate the 325 Facility. DOE stated that completing an Action Memorandum did not make sense at this time and that the Environmental Protection Agency (EPA) is not interested in doing anything with the 300-FF-2 Record of Decision (ROD) or Explanation of Significant Differences (ESD) right now.

Ecology requested this be added to the agenda when meeting with PNNL to discuss LDR waste inventory locations. HMIS took the action to add this to the agenda.

3.3 Schedule for Waste Designation and Process Information

DOE and Ecology agreed to collect the necessary waste designation and process information documents during inspections of various waste sites between now and the end of 2024.

3.4 Assessment Strategy for Upcoming Assessments

DOE noted sending to Ecology, a DOE procedure regarding assessment strategy. The two broad groups of assessments to be conducted include those items found in the PMWT and those for TSDs.

Ecology requested time to review the DOE procedure and agreed to discuss with DOE and provide updates at the next PMM.

4. Any New Agreements and Commitments

- HMIS took the action to schedule a meeting between DOE, Ecology, and PNNL to discuss container location records and characterization of the vault tanks at the 325 Facility.

- Ecology took the action to review the DOE procedure regarding upcoming assessment strategy and provide comments to DOE at the next PMM.

5. Any Approved Changes

- None at this time.

6. Documents to be Submitted to the Administrative Record

- M-026-01 PMM Minutes from April 19, 2022

7. Next Meeting

- Tuesday, June 21, 2022/10:00-11:00 am via Microsoft TEAMS Meeting (linked here)

ATTTACHMENT 1 – AGENDA
M-026-01 PROJECT MANAGER MEETING
May 12, 2022/10:00-11:00 am
TEAMS Conference Call

M-026-01: HANFORD SITE MIXED WASTE LAND DISPOSAL RESTRICTIONS REPORT

1. Status/approval of previous meeting minutes
2. Milestone status
    2.1. M-026-01AD, CY 2019 Full Report due to Ecology May 20, 2022
    2.2. M-026-01AE, CY 2020 Summary Report due to Ecology August 31, 2022
        2.2.1. Storage and inventory reporting
        2.2.2. Revised treatability groups
3. Status of previous agreements and commitments
    3.1. HMIS –
        3.1.1. 2019 to 2020 LDR report crosswalk document
    3.2. DOE –
        3.2.1. Status update of the Seven underground Vault Tanks at the 325 Facility
        3.2.2. Schedule for waste designation and process information
        3.2.3. Assessment strategy for the upcoming assessments
4. Any new agreements and commitments
5. Any approved changes
6. Documents to be submitted to the Administrative Record
7. Next meeting

Attachment 2: Waste Streams for CY2020 LDR Summary Report

Treatability Group Data Sheets	Location Specific Data Sheets		
Treatability Group Name	**Physical Location**	**Waste Stream**	**Contractor**
221-T Containment Building			**CPCCO**
	T Plant Complex	221-T Containment Building	CPCCO
221-T Tank System			**CPCCO**
	T Plant Complex	RCRA Tank Systems	CPCCO
	T Plant Complex	Tank 11L	CPCCO
222-S T8 Tunnel			**WRPS**
	222-S Laboratory Complex	T8 Tunnel RH-MLLW	WRPS
241-CX Tank System			**CPCCO**
	241-CX Tank System	CX Tank System	CPCCO
324 Building REC Waste			**CPCCO**
	324 Building	Radiochemical Engineering Cells	CPCCO
325 HWTU			**PNNL**
	325 HWTU	325 HWTU	PNNL
400 Area WMU			**CPCCO**
	400 Area WMU	Mixed Waste	CPCCO
	FFTF Reactor Building	Sodium Residuals	CPCCO
B Plant Cell 4			**CPCCO**
	B Plant Complex	Cell 4	CPCCO
B Plant Containment Building			**CPCCO**
	B Plant Complex	Containment Building Storage	CPCCO
Cesium and Strontium Capsules			**CPCCO**
	WESF	Cesium and Strontium Capsules	CPCCO
DST Waste			**WRPS**
	204-AR Waste Unloading Station, TK-1 Catch Tank	Aqueous Mixed Waste	WRPS
	222-S Laboratory Complex/ 219-S Waste Handling Facility	Bulk Aqueous Liquids	WRPS
	DST System	DST System	WRPS
	WTP Effluent Management Facility	Conditioned Liquid Effluent	BNI

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Treatability Group Data Sheets	Location Specific Data Sheets		
Treatability Group Name	**Physical Location**	**Waste Stream**	**Contractor**
ERDF—Treatment			**CPCCO**
	PFP	D&D Hazardous Debris to ERDF	CPCCO
	222-S Laboratory	Hazardous Debris to ERDF	WRPS
	325 HWTU	Radioactive Lead and Debris	PNNL
	CERCLA Waste	CERCLA Waste	CPCCO
	CS&I	Hazardous Debris to ERDF	HMIS
	Soil and Groundwater	Hazardous Debris to ERDF	CPCCO
	Tank Farms	Long Length Equipment Debris to ERDF	WRPS
	Tank Farms	Other MLLW Debris to ERDF	WRPS
ETF Liquid Waste (Formerly LERF/ETF Liquid Waste)			**WRPS**
	242-A Evaporator	Evaporator Process Condensate	WRPS
	WTP Effluent Management Facility	WTP DFLAW Condensate	BNI
	ETF	Wastewater	WRPS
	LLBG/Mixed Waste Trench	TR34 and TR31 Leachate	CPCCO
	T Plant Complex/2706-TB Tank System	2706-TB Tank System	CPCCO
Hanford Site Laboratory Complex			**WRPS**
	222-S	Containerized mixed waste	WRPS
HSTF			**CPCCO**
	HSTF	HSTF 276-S-141/142	CPCCO
LERF/ETF Solid Waste			**WRPS**
	ETF	Powder Drums	WRPS
	LERF/ETF	Operational and Maintenance Waste	WRPS
MLLW-01 – LDR Compliant Waste			**CPCCO**
	CWC	LDR Compliant	CPCCO

Attachment 2: Waste Streams for CY2020 LDR Summary Report

Treatability Group Data Sheets	Location Specific Data Sheets		
Treatability Group Name	**Physical Location**	**Waste Stream**	**Contractor**
MLLW-02 - Inorganic Non-Debris			**CPCCO**
	CWC	Inorganic Non-Debris Solids and Labpacks	CPCCO
	LLBG	Inorganic Non-Debris	CPCCO
	T Plant Complex	Inorganic Non-Debris	CPCCO
MLLW-03 - Organic Non-Debris			**CPCCO**
	CWC	Organic Non-Debris	CPCCO
	LLBG	MLLW Retrieval Organic Non-Debris	CPCCO
	T Plant Complex	Organic Non-Debris	CPCCO
MLLW-04 - Hazardous Debris			**CPCCO**
	CWC	Hazardous Debris	CPCCO
	LLBG	MLLW Retrieval Hazardous Debris	CPCCO
	T Plant Complex	Hazardous Debris	CPCCO
	WRAP	Hazardous Debris	CPCCO
MLLW-07 - RH and Large Container			**CPCCO**
	CWC	MLLW-07	CPCCO
	LLBG	MLLW-07	CPCCO
	T Plant Complex	RH and Large Container	CPCCO
PUREX Plant			**CPCCO**
	PUREX Plant	PUREX Containment Building	CPCCO
PUREX Storage Tunnels			**CPCCO**
	PUREX Storage Tunnels	Tunnels 1 and 2	CPCCO
SST Waste			**WRPS**
	SST System	SST System	WRPS

Attachment 2: Waste Streams for CY2020 LDR Summary Report

Treatability Group Data Sheets	Location Specific Data Sheets		
Treatability Group Name	**Physical Location**	**Waste Stream**	**Contractor**
TRUM – CH Large Container			**CPCCO**
	CWC	TRUM Boxes	CPCCO
	LLBG	TRUM Retrieval Boxes	CPCCO
	T Plant Complex	TRUM Box	CPCCO
	WRAP	TRUM Large Container	CPCCO
TRUM – CH Small Container			**CPCCO**
	325 HWTU	TRUM-CH	PNNL
	CWC	CH TRUM	CPCCO
	LLBG	TRUM-CH Retrieval	CPCCO
	PFP	TRUM Debris	CPCCO
	T Plant Complex	TRUM-CH	CPCCO
	WRAP	TRUM-CH	CPCCO
TRUM - RH			**CPCCO**
	325 HWTU	TRUM-RH	PNNL
	CWC	RH TRUM	CPCCO
	LLBG	RH TRUM	CPCCO
	T Plant Complex	TRUM-RH	CPCCO
	WRAP	TRUM-RH	CPCCO
TSCR IX Column			**WRPS**
	TSCR Storage Pad	Ion Exchange Columns	WRPS

Attachment 2: Waste Streams for CY2020 LDR Summary Report

Treatability Group Data Sheets	Location Specific Data Sheets		
Treatability Group Name	**Physical Location**	**Waste Stream**	**Contractor**
WTP Waste			**BNI**
	LAW Facility	Immobilized Low Activity Waste	BNI
	LAW Facility	LVP Sulfur Impregnated Carbon Absorbent Media	BNI
	LAB	Spent Chemical/Reagents	BNI
	Effluent Management Facility	Contaminated PPE	BNI
	Effluent Management Facility	Miscellaneous Debris	BNI
	LAW Facility	LMP Glass Debris from the Bagging Station	BNI
	LAW Facility	LMP Melter Consumables	BNI
	LAW Facility	LMP Melter Pool Bubblers/Thermowells	BNI
	LAW Facility	LVP HEPA Filters	BNI
	LAW Facility	LVP Selective Catalytic Reduction Media	BNI
	LAW Facility	LVP Thermal Catalytic Oxidizer Media	BNI
	LAW Facility	Miscellaneous Metal Parts	BNI
	LAW/EMF/LAB	Miscellaneous Compactable Debris	BNI

Attachment 2: Waste Streams for CY2020 LDR Summary Report

Data sheet changes for CY 2020

REMOVE:

- LSDS – Hanford Site Laboratory Complex/Tank Farm Facilities/Mixed waste from 616

RENAME:

- LSDS – ERDF – Treatment/Tank Farms/Hazardous Debris to ERDF
    - Rename to: ERDF – Treatment/Tank Farms/Other MLLW Debris to ERDF
- LSDS – ETF Liquid Waste/Effluent Management Facility/Condensate
    - Rename to: ETF Liquid Waste/WTP Effluent Management Facility/WTP DFLAW Condensate

ADD/MOVE & RENAME:

- ADD LSDS – DST Waste/WTP Effluent Management Facility/Conditioned Liquid Effluent
- ADD LSDS – ERDF – Treatment/Tank Farms/Long Length Equipment Debris to ERDF
- ADD TGDS – TSCR IX Column
    - MOVE & RENAME the following LSDS to the TSCR IX Column TGDS:
    - LSDS – DST Waste/Tank Farms/TSCR Ion Exchange Columns
        - Rename to: TSCR IX Column/TSCR Storage Pad/Ion Exchange Columns
- ADD TGDS – WTP Waste
    - MOVE & RENAME the following LSDS to the WTP Waste TGDS:
    - LSDS – DST Waste/LAW Facility/Immobilized Low Activity Waste
        - Rename to: WTP Waste/LAW Facility/Immobilized Low Activity Waste
    - LSDS – MLLW-03/LAW Facility/LVP Sulfur Impregnated Carbon Absorbent Media
        - Rename to: WTP Waste/LAW Facility/LVP Sulfur Impregnated Carbon **Adsorbent** Media (change Absorbent to Adsorbent)
    - LSDS – MLLW-03/LAB/Spent Chemical/Reagents
        - Rename to: WTP Waste/LAB/Spent Chemical/Reagents
    - LSDS – MLLW-04/Effluent Management Facility/Contaminated PPE
        - Rename to: WTP Waste/Effluent Management Facility/Contaminated PPE
    - LSDS – MLLW-04/Effluent Management Facility/Miscellaneous Debris
        - Rename to: WTP Waste/Effluent Management Facility/Miscellaneous Debris
    - LSDS – MLLW-04/LAW Facility/LMP Glass Debris from the Bagging Station

- Rename to: WTP Waste/LAW Facility/LMP Glass Debris from the Bagging Station

- LSDS – MLLW-04/LAW Facility/LMP Melter Consumables
  - Rename to: WTP Waste/LAW Facility/LMP Melter Consumables
- LSDS – MLLW-04/LAW Facility/LMP Melter Pool Bubblers/Thermowells
  - Rename to: WTP Waste/LAW Facility/LMP Melter Pool Bubblers/Thermowells
- LSDS – MLLW-04/LAW Facility/LVP HEPA Filters
  - Rename to: WTP Waste/LAW Facility/LVP HEPA Filters
- LSDS – MLLW-04/LAW Facility/LVP Selective Catalytic Reduction Media
  - Rename to: WTP Waste/LAW Facility/LVP Selective Catalytic Reduction Media
- LSDS – MLLW-04/LAW Facility/LVP Thermal Catalytic Oxidizer Media
  - Rename to: WTP Waste/LAW Facility/LVP Thermal Catalytic Oxidizer Media
- LSDS – MLLW-04/LAW Facility/Miscellaneous Metal Parts
  - Rename to: WTP Waste/LAW Facility/Miscellaneous Metal Parts
- LSDS – MLLW-04/LAW/EMF/LAB/Miscellaneous Compactable Debris
  - Rename to: WTP Waste/LAW/EMF/LAB/Miscellaneous Compactable Debris

Attachment 3: CY 2019 to 2020 LDR Report Crosswalk Table

2020 Summary Report	2019 Report Parallel	2019 PM Agreements Addressed
Section 1.0: Introduction	N/A	
Section 1.1: CY 2020 LDR Summary Report Overview	1.1 Purpose, 1.2 Background, 1.3 Scope	
Section 1.2: Summary Inventory of Waste Treatment Groups and Forecast Generation Rates	1.4 Sources and Organization of Data	
Section 1.3: Potential Mixed Waste	Appendix C Introduction	
Table 1-1: Stored Volumes Of Mixed Waste and Generation Projections	Table 3-1: Summary of Mixed Waste Storage and Generation Projections by Treatability Group	III. Surface Impoundment Storage (a. – f.) VIII. Retrievably Stored Wastes Not Newly Generated Waste (ff., kk., pp., tt., uu., vv.) X. Appendix C and Characterization Schedules (a., b., e.)
Table 1-2: Treatability Group Summary Of Storage, Characterization, and Treatment Activities	Similar to 2019 Table 2-1: Summary of Storage, Characterization, Treatment and Disposal Information by Treatability Group columns 1-6.	VIII. Retrievably Stored Wastes Not Newly Generated Waste (ff., kk., pp., tt., uu., vv.) X. Appendix C and Characterization Schedules (b., c., e.)
Table 1-3: Explanation Of Table 1-4, Potential Mixed Waste	Table C-1: Potential Mixed Waste Table Explanation	
Table 1-4: Potential Mixed Waste	Table C-2: Potential Mixed Waste	VII. Canyon Disposition Initiative (q., r.) X. Appendix C and Characterization Schedules
Table 1-5: Historical List Of Materials Deleted From Potential Mixed Waste Table	Table C-3: Historical List of Materials Deleted from Potential Mixed Waste Table	X. Appendix C and Characterization Schedules
Section 2.0: Assessments of Mixed Waste Storage Areas and Potential Mixed Waste	Section 3.2: Storage Method Compliance Assessments	
Section 2.1: Introduction	Section 3.2: Storage Method Compliance Assessments	
Section 2.2: Assessment Schedules	Section 3.2: Storage Method Compliance Assessments	
Table 2-1: Summary Of DOE-RL Assessment Results	N/A	

Attachment 3: CY 2019 to 2020 LDR Report Crosswalk Table

2020 Summary Report	2019 Report Parallel	2019 PM Agreements Addressed
Table 2-2: DOE-RL Assessments For Calendar Years 2021 Through 2023 (updated for next three years until no assessments are scheduled)	Table 3-3: DOE-RL Assessments Planned for CY 2020-2022	
Table 2-3: Summary Of DOE-ORP Assessment Results	N/A	
Section 3.0: Summary of Characterization Information	Section 5.0: Summary of Characterization Information	
Table 3-1: Summary Of Characterization Information For Each Treatability Group	N/A – The Summary of Characterization Information Table completely changed from the 2014 report (summarizing planned characterization activities) to the 2019 report (summarizing all documented characterization information)	Addresses Ecology concerns re. reduced clarity in LDR report tables
Section 4.0: Summary of Treatment Information	Section 2.0: Treatability Group Summary Section 6.0: Summary of Treatment Information	VI. Treatment Schedules (c., f., g.) VII. Canyon Disposition Initiative (b.)
Table 4-1: Summary Of Treatment Information For Each Treatability Group	Similar to 2019 Table 2-1: Summary of Storage, Characterization, Treatment and Disposal Information by Treatability Group columns 2, 5, 6, 8, 9.	VI. Treatment Schedules (a., e.) VII. Canyon Disposition Initiative (d.) Other (b.)
Section 5.0: Storage Volume and Container Numbers for Selected Storage Locations	N/A	
Table 5-1: Storage Volume And Number Of Containers For Selected Hanford Locations*	Similar to 2019 Table 3-2: Summary of Storage Capacity by Waste Stream	Potential to address V. Storage Capacity agreements if Table 5-1 is adapted to include elements from 2019 Table 3-2. VIII. Retrievably Stored Wastes Not Newly Generated Waste (ee., jj., oo.)

*Table 5-1 will contain the storage volume and the number of containers reported for the following Hanford Site locations: CWC, LLBG, WRAP, PFP, T Plant Complex, WSCF, 325 HWTU, 324, 327, 200 ETF, and 222-S.

Attachment 3: CY 2019 to 2020 LDR Report Crosswalk Table

NOTE: The list for Table 5-1 may change periodically. The change will be made via approval of the applicable Project Managers Meeting minutes documented and approved on or before 11/30 of each year. If no changes to the list are indicated, the list will remain unchanged.

The TPA project managers agreed to delete the 327 Building from Table 5-1 at the November 18, 2008, project managers meeting.