PREPPING COMMUNITIES

Emergency Sanitation & Hygiene Inventory

Printable 14-day household assessment | US Letter | Worksheet 1

Use these worksheets to assess safe toilet alternatives, handwashing, waste containment, storage, disposal dependencies, and practical readiness during a prolonged service disruption.

Household and assessment details

Household / location:

Assessment date / reviewed by:

Planning scenario

- [ ] No running water
- [ ] Sewer or septic unavailable
- [ ] No electricity
- [ ] Garbage collection stopped
- [ ] Flood or sewage backup risk
- [ ] Additional household members

Household members and special sanitation needs:

Planning horizons

- [ ] Day 1 initial setup
- [ ] Day 7 resource review
- [ ] Day 14 continued safe operation
- [ ] Earlier relocation / assistance trigger

Safety: Follow local public-health and wastewater instructions. Never assume ordinary garbage collection, burial, burning, or discharge to storm drains is an approved human-waste disposal method.

Household Sanitation Needs

People, essential activities, accessibility | Worksheet 2

Household requirements

Person / role	Special needs / supplies	Assistance / backup

Essential hygiene functions

- ☐ Safe toileting
- ☐ Handwashing with soap and clean water
- ☐ Food preparation hygiene
- ☐ Personal cleaning
- ☐ Infant / incontinence care
- ☐ Essential laundry
- ☐ Wastewater collection
- ☐ Garbage / pest control

Additional visitors / changed household needs:

Plumbing & Sewer Dependencies

Identify when normal toilets can and cannot be used | Worksheet 3

Existing system

- [ ] Municipal sewer
- [ ] Gravity septic
- [ ] Pumped / powered septic
- [ ] Private well pump
- [ ] Backwater valve present
- [ ] Unknown / professional inspection needed

Pump / valve location, service provider, or inspection details:

Warning signs / decisions

- [ ] Sewage entering fixtures
- [ ] Drain backup or unusual gurgling
- [ ] Official wastewater-use restriction
- [ ] Septic alarm / pump failure
- [ ] Water supply failure only
- [ ] Normal drainage confirmed usable

When to stop using affected fixtures and whom to contact:

Do not drain toilet traps or improvise sewer seals. Locate any backwater valve and keep its access clear; arrange qualified inspection when appropriate.

PREPPING COMMUNITIES

Emergency Toilet & Supply Kit

Equipment, compatibility, safe use | Worksheet 4

Alternative toilet equipment inventory

Equipment / model	Location / condition	Compatible supplies	Tested?

Dedicated toilet kit inspection

- ☐ Compatible waste liners / inserts
- ☐ Manufacturer-approved absorbent
- ☐ Soap / handwashing station
- ☐ Cleaning materials
- ☐ Toilet paper
- ☐ Protective gloves
- ☐ Suitable sealed storage containers
- ☐ Accessible lighting / support

Accessibility, stability, ventilation, and privacy findings:

Toilet Demand & Servicing

Illustrative use estimates; confirm actual system limits | Worksheet 5

Estimate use over 14 days

People: _____ **Uses per person per day:** _____ **Days:** _____

Estimated total toilet uses (people x daily uses x days):

Convert use estimates into equipment demand

Verified safe uses per liner / servicing cycle (if applicable):

Estimated liner changes (total uses / verified uses per liner):

Separate liquid and solid waste servicing requirements:

Verified capacities

Waste stream	Container / liner limit	Available quantity	Estimated days

Worked illustration: 4 people x 5 uses x 14 days = 280 uses. If a particular approved system is verified for 5 uses per liner, that would imply 56 liner changes. Uses do NOT establish waste volume or storage capacity.

Human Waste Containment & Disposal

Collection, secure storage, approved disposal | Worksheet 6

Containment and temporary storage

Container / liner	Usable capacity	Quantity	Safe storage location

Safe disposal arrangements

Approved disposal / collection method and confirming authority:

Expected date or trigger when storage reaches safe capacity:

- ☐ Leak-resistant and secure
- ☐ Separated from food and water
- ☐ Protected from pests / weather
- ☐ Accessible without unsafe lifting

Collection is not disposal. Waste-treatment powders and biodegradable liners do not automatically make human waste safe or authorize burial, burning, or ordinary-trash disposal.

Verify the full waste pathway

Collect safely / store securely / confirm authorized removal or disposal.

Last-Resort Sanitation Assessment

Long disruptions and environmental limitations | Worksheet 7

Evaluate possible alternatives - do not assume suitability

Method	Feasible / permitted?	Key dependency or hazard

Site and environmental risks

- ☐ High groundwater / well nearby
- ☐ Flooding or surface-water exposure
- ☐ Small / dense residential lot
- ☐ Unsafe smoke or fire conditions
- ☐ Equipment fuel / power unavailable
- ☐ No approved disposal option

Authority consulted / applicable guidance / next action:

Conditions requiring outside assistance or relocation:

Handwashing Water Assessment

Clean water delivery and wastewater capture | Worksheet 8

Estimate handwashing demand

People: _____ Washes/person/day: _____ Litres/wash: _____

Daily water = people x washes x litres per wash:

14-day water = daily water x 14:

Station inspection and actual testing

- ☐ Soap available
- ☐ Controlled-flow dispenser works
- ☐ Wastewater collected safely
- ☐ Clean water protected
- ☐ Accessible to all members
- ☐ Actual litres per wash measured

Measured volume per wash / revised 14-day estimate:

Water replenishment and safe used-water management:

Example only: 4 x 5 x 0.5 L = 10 L/day, or 140 L/14 days. Five washes is NOT a hygiene target; actual frequency should meet real needs, especially after toilet use and before food handling.

Greywater & Garbage Capacity

Quantify storage limitations before they become unsafe | Worksheet 9

Greywater calculation

Estimated handwashing litres/day: _____ Other washing litres/day: _____

Total daily wastewater: _____ Total usable container litres: _____

Storage days = usable container litres / wastewater litres per day:

Wastewater container inventory

Container	Usable litres	Quantity	Storage / disposal plan

Garbage storage

Normal bags/week: _____ Emergency bags/week: _____

Estimated 14-day bags: _____ Secure storage capacity: _____

Illustration: 3 x 20 L usable containers = 60 L; at 18 L/day, about 3.3 days. This assumes steady production and no disposal; plan for variation and safe handling limits.

14-day greywater illustration

18 L/day x 14 days = 252 L; 60 L storage covers only about 3.3 days.

Hygiene, Laundry & Special Care

Consumables, reusable alternatives, caregiving | Worksheet 10

Personal hygiene supplies

Supply / person	Use per day	14-day need	On hand / gap

Laundry and reusable-product capability

- ☐ Manual washing method tested
- ☐ Clean wash and rinse water
- ☐ Detergent appropriate
- ☐ Drying / ventilation adequate
- ☐ Wastewater managed
- ☐ Soiled materials separated

Accessibility / infant / older adult / caregiving concerns:

Cleaning, Pests & Shared Risks

Prevent contamination and identify external dependencies | Worksheet 11

Cleaning and disinfection

- ☐ Suitable cleaner / detergent
- ☐ Correct disinfectant for surfaces
- ☐ Label and contact time available
- ☐ Gloves and ventilation
- ☐ No incompatible chemicals mixed
- ☐ Contaminated materials segregated

Pest prevention inspection

- ☐ Secure lids and containers
- ☐ No standing water
- ☐ Screens / gaps inspected
- ☐ No droppings or gnaw marks
- ☐ No damaged food packaging
- ☐ Waste areas inspected regularly

Evidence of pest activity and corrective action:

Neighbourhood / infrastructure concerns

Shared sewer, drainage, waste collection, or contamination risks:

Practical Sanitation Exercise

Safe simulation - no real waste or disabled plumbing | Worksheet 12

Demonstrate the complete system

Capability tested	Pass / issue	Measured result / observation

Scenario and limitations

- ☐ No running water assumed
- ☐ No toilet flushing assumed
- ☐ No drainage assumed
- ☐ No garbage pickup assumed
- ☐ Clean simulated contents only
- ☐ No hazardous testing

First capability expected to fail and why:

Successful demonstration: set up an accessible toilet, wash hands effectively, contain simulated waste without leakage, and estimate safe duration of supplies and storage. Record unverified capabilities as gaps.

Record an actual safe simulation result

Measure water, liner demand and handling time; mark any untested step as a gap.

Day 1 / Day 7 / Day 14 Readiness

Reassess capabilities; act before conditions become unsafe | Worksheet 13

Capability status at each milestone

Capability	Day 1	Day 7	Day 14

First failure and decision trigger

First essential sanitation capability likely to fail:

Alternative, approved disposal, assistance, or relocation trigger:

Do not wait for Day 14 if conditions are unsafe. Seek assistance or relocate as appropriate if waste cannot be contained, drinking water is contaminated, or essential hygiene cannot be maintained.

Status key: OK = verified | GAP = inadequate | NT = not tested

Corrective Action Register

Document the fix, owner, due date, and retest | Worksheet 14

Priority corrective actions

Problem / consequence	Required improvement	Owner / due	Retest / status

Final household review

Next review date: _____ **Reviewer:** _____

Most urgent unresolved limitation:

Use measured quantities, confirm safe disposal, and retest every unresolved gap.