I. Key Compliance Team LNT Messages

Below are the primary key LNT messages the Compliance Team will most commonly deliver:

- 1. Leave No Trace: One of the Ten Principles of Burning Man. *Our community respects the environment. We are committed to leaving no physical trace of our activities wherever we gather. We clean up after ourselves and endeavor, whenever possible, to leave such places in a better state than when we found them.*
- 2. Preventing and removing MOOP from the playa, whether or not it is yours, is the single best way we can individually and collectively ensure that Burning Man remains the single largest LNT event in the world. All MOOP should be packed out and properly disposed of off-playa.
- 3. Cigarette butts are one of the most common types of MOOP found on the playa during Burning Man. Smokers should carry around an Altoids tin or other similar fireproof container for their ashes and butts and dispose of these ashtrays properly.
- 4. While the playa may seem like a desolate place, it is actually part of a thriving ecosystem. For instance, when the summer monsoons come, fairy shrimp eggs hatch and the playa becomes an important source of food for numerous species of migratory birds. There are still some unanswered questions about how unknown amounts of oil, black water, and greywater left behind from Burning Man affect this ecosystem.
- 5. Due to the unique chemical composition of the playa soils, fires directly on the playa surface will bake and permanently damage the soils. You can avoid such impacts by safely elevating a well-insulated and ventilated burn container off of the playa surface. Cinder blocks are a common solution to simply and safely elevate your burn container.
- 6. Further information about how Burners can integrate LNT principles into their Burn and future outdoor adventures can be found at the Earth Guardians Camp located near Center Camp. The 2017 Survival Guide includes a comprehensive list of other Black Rock City services, camps, BLM/BRC permitted vendors, and MOOP disposal facilities along the Exodus route that can assist Burners with their LNT efforts.
- 7. Burning Man takes place within the Black Rock-High Desert-Emigration Trails National Conservation Area, a component of America's National System of Public Lands administered by the Bureau of Land Management. More information about the Conservation Area and the BLM's multiple-use mission can be found at the BLM Interpretive Camp located near Center Camp.
- 8. A follow-up visit from other members of the Burning Man Environmental compliance Team can be expected within the next day or so to check on your progress fixing the issue. If the issue continues to go unresolved, you can be faced with a citation from a BLM Law Enforcement Official and/or eviction from the event.

II. 2017 Environmental Compliance Team Outreach Protocols

1. Introduce yourself & your counterpart

- 2. Identify the problem
- 3. State the obvious immediate solution
- 4. Explore the long-term solution
- 5. State the follow-up process
- 6. Explain the Fulcrum LNT Outreach App Photo Documentation Process

7. Photo document the situation at some point during the interaction

8. If the problem is associated with a Outside Services (OSS) vendor and a 2017 OSS sticker is present on the unit, photo document the OSS sticker in the Fulcrum LNT Outreach app for future monitoring

9. If you cannot find the party responsible for the issue, see if you can identify a camp lead to take responsibility.

Sample Script:

1. "Hi, I'm _____, and I'm a fellow Burner. I'm working with the Earth Guardians' Leave No Trace Outreach Program. This is _____."

2. "We noticed that *sewage is leaking from your RV / this burn barrel is sitting on the ground / this item is leaking gray water / your vehicle is leaking oil / etc.* **Our priority is to ensure the protection of the playa**. And this year we are working together to acculturate folks about our Leave No Trace values."

3. "**Can you help us ensure the future of the event** and take care of the playa by *(state the short term obvious solution)*?"

4. If a long term solution is necessary: "To completely fix this, some solutions are ______."

5. "Because caring for the playa is so important, we want to be sure that this gets handled within 48 hours. Within the next day or so, the Burning Man Black Rock Rangers will come by to follow up and see that this has been resolved."

6. Part of the Leave No Trace Outreach Program is to **document the LNT problems we find and then show how the problems are fixed.** By documenting this, we are able to **share this data with Black Rock Rangers, and then Playa Restoration**, and these data ultimately get put into a report to show how we work together with BLM to protect the playa and truly Leave No Trace. This information will not be attached to you or your vehicle or your person.

7. Take Photo documentation only after you have explained it.

8. If the problem is associated with a RV, trailer, or generator, look for an Outside Service (OSS) sticker on the unit and photograph it for future reporting to the OSS team. For RVs, the sticker is located on the driver's side front bumper. For trailers, the sticker is on the rear driver's side bumper. There is no set position on generators or heavy machinery. This documentation will help us identify vendors with consistent environmental compliance issues and provide an added level of accountability that can be used to evaluate vendor performance and OSS approval for future events.



Other Technique Tips: Be friendly and warm, smile, and Remove Sunglasses.

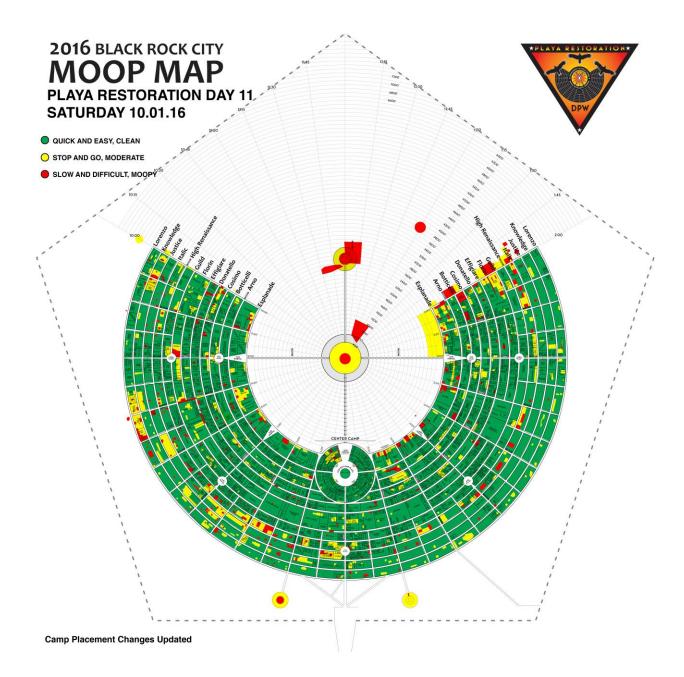
Table 4: 2017 Burning Man Special Recreation Permit Integrated Environmental Compliance Team Permit Stipulation Violation Adjudication and Radio Communication Protocols			
Type of LNT Violation	Size of Violation	Suggested Adjudication	Radio Communication Protocols
MOOPy camp or actively MOOPing	• Obviously not aware of Leave No Trace ethics (IE trash on the ground, etc.)	 Have them clean it up! Leave a LNT 'TICKET' if no one is home Outreach Team: Fulcrum LNT Outreach App data collection Ranger Follow-Up Team: Update Fulcrum LNT Outreach App data point with current status 	Not applicable
Un-elevated / unsafe burn containers	 Bottom of burn container touching playa Unstable burn container Flammable liquids unsafely stored near burn container 	 Burn container needs to be sturdily elevated off playa Keep flammables away from the flame Leave a LNT 'TICKET' if no one is home Outreach Team: Fulcrum LNT Outreach App data collection Ranger Follow-Up Team: Update Fulcrum LNT Outreach App data point with current status 	 Call LNT Compliance only if there is a fire in a camp, unattended burn, or burning potentially hazardous materials. LNT 911 contacts BRC 911 Await further communications from LNT Compliance
Improper fuel storage and safety	 Mandatory Fix Fuel stored in excess of 110 gallons Fuel stored less than 100 ft from other fuel storage areas Fuel is stored near heat source(s) Fuel safety perimeter of less than 10 ft Fuel area not protected from vehicle collision Fuel container filled greater than 80% No fire extinguisher 	 If storage exceeds 110 gallons of fuel, assist in arranging safe transport back to the BRC Fuel Depot Move either the fuel storage location or surrounding vehicles to allow for a perimeter of at least 10' If fuel storage is <100' from nearest neighboring fuel storage area, contact neighboring camp to assist in creating proper spacing Locate and install a fire extinguisher Shading fuel is recommended; if this is not possible without placing under living structures, the container must only be filled to 80% capacity Create "FLAMMABLE - NO SMOKING" signage 	 Call LNT Compliance to alert BRC 911 only if camp is unwilling to comply with storage and safety requests If fuel storage in excess of 110 gallons is present, call PETROL department to assist in safe transport back to the BRC Fuel Depot
	 Recommended Fix Fuel is stored underneath vehicle/ RV/trailer 	 Leave a LNT 'TICKET' if no one is home Outreach Team: Fulcrum LNT Outreach App data collection 	

	• No visible signage (FLAMMABLE - NO SMOKING)	• Ranger Follow-Up Team: Update Fulcrum LNT Outreach App data point with current status	
Lack of liquid fuel secondary containment	 Fuel containers that are placed directly on the playa surface Lacking secondary containment that is 110% capacity of the largest container being stored 	 Recommend containment options such as storage bin lid, empty bin, etc., to place under fuel containers. Be resourceful but don't use cardboard or wood. Small containers can be stored in the open bed of a truck if no suitable containment is available Leave a LNT 'TICKET' if no one is home Outreach Team: Fulcrum LNT Outreach App data collection Ranger Follow-Up Team: Update Fulcrum LNT Outreach App data point with current status 	• Not applicable unless the camp is unwilling to comply with secondary containment. Call Compliance Liaison to address the situation.
Small oil, gas, and other hazardous drips, leaks, or spills	 Less than 1 gallon spilled Spill & contaminated playa fit in a 5-gallon bucket 	 Fix source of drip/leak/spill. Use cardboard, frisbee, storage bin lid etc. to contain until fixed If necessary, see if you can smell it FROM A SAFE DISTANCE. Is it a hazardous material? Dig out saturated soil (the area should be no bigger than the diameter of a bicycle wheel and willow) and place in a 5-gallon bucket Refill hole with nearby playa dunes. Pack out soil and dispose of bag in proper facility (see Survival Guide) Leave a LNT 'TICKET' if no one is home Outreach Team: Fulcrum LNT Outreach App data collection Outreach Team: If the leak is associated with a RV, trailer, or generator, check the unit for an OSS sticker and, if present, photograph the sticker for later identification of the vendor Ranger Follow-Up Team: Update Fulcrum LNT Outreach App data point with current status 	• Not applicable

Large oil, gas, and other hazardous drips, leaks, or spills	 Greater than 1 gallon of fuel spilled Spill & contaminated playa cannot fit in a 5- gallon bucket 	 If necessary, see if you can smell it FROM A SAFE DISTANCE. Is it a hazardous material? Fix the source of drip/leak spill. If unable to stop the drip/leak consider, try to catch it in a bucket or other container Outreach Team: Fulcrum LNT Outreach App data collection Check the unit for an OSS sticker and, if present, photograph the sticker for later identification of the vendor Follow-Up Team: Update Fulcrum LNT Outreach App data point with current status 	 Call LNT Compliance with the location and nature of all spills over 1 gallon LNT Compliance contacts Playa Restoration team regarding the spill Await further communications from LNT Compliance
Large or uncontrolled leaks of fuels (gas, diesel, propane) or classified hazardous materials	 Unknown with strong smell Greater than 25 gallons spilled Greater than 3 cubic yards of contaminated playa 	 Secure the area Assess for risk of fire or explosion; evacuate area if necessary Locate source and mitigate if possible Once the area is safe and spill is remediated, check the unit for an OSS sticker and, if present, photograph the sticker for later identification of the vendor 	 Call LNT Compliance for a "HazMat emergency response" LNT Compliance calls BRC 911 Compliance Liaison contacts BLM Compliance supervisor Await further communications from BRC 911 from a safe distance See Compliance manager for HazMat contingency plan and EOC SOP for further information
Small grey water / black water spills	 Contaminated area smaller than the diameter of a bicycle wheel (3 ft) Spill & contaminated playa fit in a 5 gallon bucket 	 Fix source of drip/leak/spill. Use cardboard, frisbee, etc. to contain until fixed Dig out saturated soil (the area should be no bigger than the diameter of a bicycle wheel and shallow) and place in a heavy duty plastic garbage bag or 5 gallon bucket Completely refill hole with nearby playa dunes Pack out soil and dispose of in a proper facility (see Survival Guide) Leave a LNT 'Ticket' if no one is home Outreach Team: Fulcrum LNT Outreach App data collection Outreach Team: Check the unit for an OSS sticker, located on trailers/RVs, and, if present, 	• Not applicable

		 photograph the sticker for later identification of the vendor Ranger Follow-up Team: Update Fulcrum LNT Outreach App data point with current status 	
Large grey water spills	• Affected area larger than the diameter of a bicycle wheel and DOESN'T appear to be a threat to health and safety	 Fix source of drip/ leak/ spill. Use bucket or other bin to contain until fixed With a big spill, digging out soil will do more harm than good. Work with camp to secure the spill perimeter with cones, flags, etc. to prevent camp residents and visitors from walking through and other unnecessary contact with the spill. Secure Perimeter. Cone or block off spill areas. If necessary and possible, have the camp REMOVE THE MOOPY BITS AFTER IT'S DRY Outreach Team: Fulcrum LNT Outreach App data collection Outreach Team: Check the unit for an OSS sticker, located on trailers/RVS, and photograph the sticker for later identification of the vendor Ranger Follow-Up Team: Update Fulcrum LNT Outreach App data point with current status 	 Call LNT Compliance with the nature and location of the spill LNT Compliance contacts Playa Restoration regarding the spill Await further communications from LNT Compliance
Large grey water / black water spills that are a HEALTH & SAFETY THREAT	 Affected area larger than the diameter of a bicycle wheel and appears to be a THREAT TO HEALTH & SAFETY HUMAN WASTE that cannot be immediately mitigated Leakage in roadway that could cause slip and fall situation and there is no one to help rope off the spill area 	 IF SAFE, fix source of drip/ leak/ spill. Use bucket or other bin to contain until fixed With a big GREY WATER spill, digging out soil will do more harm than good. Work with camp residents to secure the spill perimeter spill with cones, flags, etc. to prevent camp residents and visitors from walking through and other unnecessary contact with the spill. Secure the perimeter with cones or block off spill areas. If necessary and possible, have the camp REMOVE THE MOOPY BITS AFTER IT'S DRY. 	 Call LNT Compliance with all imminent threats to public health and safety LNT Compliance calls BRC 911 and Playa Restoration team Compliance Liaison contacts BLM Compliance supervisor Await further communications

		 With a big BLACK WATER spill, do not touch. Call LNT Compliance and await further instructions. Work with camp residents to secure the spill perimeter spill with cones, flags, etc. to prevent camp residents and visitors from walking through and other unnecessary contact with the spill. Secure the perimeter with cones or block off spill areas. Outreach Team: Fulcrum LNT Outreach App data collection Outreach Team: Check the unit for an OSS sticker, located on trailers/RVS, and photograph the sticker for later identification of the vendor Ranger Follow-Up Team: Update Fulcrum LNT Outreach App data point with current status 	from LNT Compliance
Human waste	• Single to multiple deposits of human waste (feces) that are not an imminent threat to human health and safety	 DO NOT TOUCH. Call LNT Compliance and await further communications. Outreach Team: Fulcrum LNT Outreach App data collection 	 Call LNT Compliance about the location and nature of the deposit LNT Compliance calls Scooby Poo Await further communications from LNT Compliance



WHO ARE WE? The Black Rock Rangers¹

The Black Rock Rangers are a volunteer organization dedicated to the safety of the citizens of Black Rock City and its environs. They have headquarters in Center Camp, 3:00 and 9:00 Plazas, & between the Man and Temple. They meet with LNT outreach leads every afternoon and send teams out to conduct follow up visits for LNT issues needing adjudication.

The Burning Man Earth Guardians²

The Earth Guardians are volunteers trained in Leave No Trace ™ practices. They are headquartered in Center Camp, protect the local hot springs, and give talks and workshops on protecting the Black Rock Desert. The LNT Outreach team meets each morning at the Earth Guardians headquarters.

ESD (Emergency Services Department) / Fire Safety

The Emergency Services Department (ESD) coordinates all professional emergency resources on the playa 24 hours a day. ESD responsibilities cover all responses in the field to reports of hazmat, fire, medical, or psychiatric emergencies. ESD's highly trained professionals volunteer long hours to ensure the safety and well-being of Black Rock City

Playa Restoration

Starting right after the event and lasting roughly one month, DPW's Playa Restoration Team works to return the Black Rock Desert to its pre-event condition. The work ranges from removing city structures to picking up large and small bits of escaped trash (onsite and around the desert) and eradicating burn scars (the residue of fired playa sediment and ashes). Playa Restoration also remediates spills during the event and creates the MOOP Map.

ISSUES WE TALK ABOUT: ³ Burn Barrels

- Burning directly on the alkaline playa backs the surface into a dark, hard brick-like material and causes damage
- Look for ways to modify the barrel to raise it up off the ground
- ESD / Fire Safety can take away barrels that burn directly on the playa

Fuel Spills, Storage, and Safety

- Small fuel spills to be cleaned and disposed of off playa; large spills to be called into ESD Hazmat for remediation
- Fuel should be stored 10' away from vehicles and tents, be clearly labeled as 'FLAMMABLE – NO SMOKING', and have secondary containment underneath
- Look for alternative secondary containment if not present
- Suggest proper fuel placement

Grey Water Spills

- Prevent further leakage by using a bucket
- Stop usage!!
- Grey water collection available from United Site Services

Black Water Leak/RV

- Black water, or sewage, is a health hazard
- Prevent further leakage by using a bucket
- Stop usage!! / go to potties / dump waste appropriately
- Black water collection available from United Site Services: flag down a USS truck for a fee
- Rangers will be checking up on progress

Vehicle Oil drips

- Use thick cardboard, carpet or a pan (weighted)
- Rangers will be checking up on their progress

¹ If Folks don't comply with Rangers, they will call BLM Compliance lead – citation/eviction (worst case) is possible

² The Earth Guardians are on Esplanade and 5:45 in Center Camp, next to BMIR.

³ The GPS & Image Data we collect will be shared each afternoon with Rangers for follow up.

FUEL SAFETY AND STORAGE GUIDELINES

Large Scale Storage

- No more than two 55 gallon fuel drums (or no more than a total of 110 gallons of fuel) may be stored in a camp.
- Fuel containers should not be filled more than 80% of capacity to allow for heat expansion. Do not fill past the maximum fill line marked on containers.
- All fuel containers, regardless of size, must be stored within "secondary containment" basins capable of holding 110% of the volume of the **largest single fuel container** stored within it. For large fuel containers, a secondary containment solution can be as simple as a <u>fuel pallet</u> or a plastic kiddie pool. If a fuel container should fail, a secondary containment basin will catch all the fuel.
- Fuel and flammables must be stored in fuel and gas regulated containers that must remain closed except when filling or dispensing.
- Fuel containers should be designed for holding fuel (no water jugs!) for safety and in good condition.

Small Scale Storage (one to five gallons)

- All fuel containers, regardless of size, must be stored within "secondary containment" basins. For small fuel containers, a secondary containment solution can be as simple a cement mixing tub or fuel-resistant tarp with a raised frame placed beneath to create a containment area. (If a fuel container should fail, a secondary containment basin will catch all the fuel.)
- Fuel containers (even little ones) must not be filled more than 80% of capacity to allow for heat expansion. Do not fill past the maximum fill line marked on containers!!
- Fuel containers are to remain closed except when filling or dispensing.
- Fuel containers should be "UL" certified for safety. Do not use water jugs!!!!
- Never use fuel containers that are degraded by the sun, cracked or damaged.

Fuel Storage Area Safety Guidelines

MANDATORY

- No more than two 55 gallon fuel drums (or no more than a total of 110 gallons of fuel) may be stored in a camp.
- A safety radius of 100 ft. must separate fuel storage areas between neighboring camps.
- A safety radius of 10 ft. must separate fuel storage areas from heat sources such as burn barrels, grills/stoves, running generators, RVs, trailers, tents, camp structures, and public areas.
- Within 10 ft. of your fuel storage, keep a fire extinguisher easily visible and accessible. We **recommend** a 40-B Rating / five pound fire extinguisher.

- Fuel storage area must be kept away from where it can be struck by vehicles. Fuel storage areas must be protected from vehicle collision. Establish a safety perimeter around fuel storage areas using caution tape or equivalent.
- If your fuel must be in the sun, make sure that it's only filled 80% so that when the fuel expands, it does not break your container.

RECOMMENDED

- Fuel must never be stored inside or under a living area.
- "NO SMOKING FLAMMABLE" signage must be visible from all four directions around fuel storage areas.
- Storing fuel in the shade is recommended, particularly in a designated fuel storage depot. However, fuel should never be stored in a confined space, under or near a structure or vehicle, or close to sources of ignition.

Fuel Spills & Playa Protection

- Bring a shovel and sealable 5 gallon bucket for removing fuel spills and contaminated soil from the playa and taken with you post event.
- Fuel spills and contaminated soil that are larger than 5 gallons must be reported to Black Rock Rangers or Emergency Services Department at either Center Camp or at the 3 and 9 O'Clock plazas. Any Burning Man staff member can also help you call for the ESD- Hazmat team. Reports should include location and contact person. Possible sources of ignition should be eliminated in the area of a spill. Vapors can travel significant distance away from the spill.

Fire Hazards

- Do not fuel generators while they are running.
- Beware the dangers of static electricity. A spark can ignite gas vapors. Static can be generated anytime fuel is moving from one container to another.

COMPRESSED AND LIQUEFIED FUEL GASES

Conditions and Limitations

- LP-Gas cylinders of 100 gallons or more are not permitted within the camping area, except when installed as part of a Mutant Vehicle flame effect's fuel system
- The Emergency Services Department (ESD) must be notified of the presence on the playa and locations of acetylene cylinders of any size. Acetylene cylinders must be stored away from oxygen cylinders with a minimum separation of 20' or more, unless plumbed or in use on a cutting cart.

Cylinder Storage and Care

• All gas cylinders of any size must be stored in an upright position and secured to prevent tipping and potentially becoming an unguided projectile

All cylinder valve protection caps are to remain on the cylinder valve assemblies unless in use with plumbing or regulator set