**E. coli Sources, Audiences, & Potential BMP Worksheet**

(Reference MS4 Permit Part 3.2.2.1. & 3.2.2.1.1.)

**Blank Template (fillable):**

|  |  |
| --- | --- |
| Source: |  |
| Audience: |  |
| Impacts to water quality: |  |
| BMPs: |  |
| Distribution: |  |

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| Audience: |  |
| Impacts to water quality: |  |
| BMPs: |  |
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| Source: |  |
| Audience: |  |
| Impacts to water quality: |  |
| BMPs: |  |
| Distribution: |  |

**Examples:**

Source: Domestic pets

Audience: Domestic pet owners

* Impacts to water quality: pet waste contains *E. coli* which is an illness-causing waterborne pathogen which degrades water quality at elevated concentrations.
* Example BMPs:
	+ Clean up pet waste regularly, especially prior to storm events, and dispose of it in the trash
* Example distribution: pamphlets, newsletters to residents, signage at dog parks, social media posts, utility bills, etc

Source: Septic systems

Audience: Septic system owners

* Impacts to water quality: Septic system waste contains *E. coli* which is an illness-causing waterborne pathogen which degrades water quality at elevated concentrations.
* Example BMPs:
	+ Regular septic system maintenance
	+ Option to connect to sewer
	+ Others
* Example distribution: pamphlets, newsletters to residents, social media posts, stakeholder meetings, utility bills, etc.

Source: Livestock

Audience: Agricultural land owners

* Impacts to water quality: Agricultural waste contains *E. coli* which is an illness-causing waterborne pathogen which degrades water quality at elevated concentrations.
* Example BMP:
	+ Clean up waste regularly, especially prior to storm events.
	+ Separate waste from concentrations of water (troughs, wetlands, etc)
	+ Others
* Example distribution: pamphlets, newsletters to residents, social media posts, stakeholder meetings, utility bills, etc.