GENERAL SESSION

Aggressive Animals and Situational Awareness

Sara Wynveen, Newport Sheriff's Office

This session will provide a basic outline of how to stay safe with aggressive animals. It will provide an understanding on how to prevent situations with aggressive animals and what to do if confronted with an aggressive animal. Signs and warnings of environments to be aware of specifically, during an un-house camp clean-up site. Pets at these sites may not be updated with their rabies shot and maintenance workers need to be aware of these animals while cleaning up human, animal and hazardous waste.

COLLECTION SYSTEMS

Combination Sewer & Storm Water Trucks (Shawn Patrick, Owen Equipment)
This class is a general discussion of combination trucks and their equipment regarding sewer and storm water applications. We will cover the types of trucks, different styles, the uses and history of them, as well as how they squirt, suck, contain and transport.

Confined Space "What You Need to Know" (Greg McDonald, Ritz Safety)
In this session, Greg will cover the Oregon Confined Space Rule OAR 437-002-0146, characteristics of confined spaces, hazards (atmospheric and sanitary sewer manholes) and managing of hazards, duties and responsibilities of entrants, attendants, and entry supervisors, the use of equipment, care, and maintenance requirements, rescue, and personal protective equipment.

Nozzles 101 (Dan Nelson, Owen Equipment)
Dan will provide the knowledge of proper nozzle selection for different applications. We will discuss specialty nozzles and best practices, and basic safety while jetting a sanitary sewer or stormwater collections system.

Safety-at-Heights Fall Protection (**Greg McDonald**, **Ritz Safety**)
Fundamentals of Safety-At-Heights fall protection will be covered in detail relating to working in storm water and sanitary sewer environments. We will discuss regulations, update on changes to SRL's & new classifications, fall hazard control methods, physics of a fall, anchor points, identifying and selection of equipment, building systems-work positioning, restraint & personal fall arrest, calculating fall distance's, suspension trauma & rescue requirements and equipment inspections.

Inflow and Infiltration-Manhole Inspections (Jim Brown, True North Equipment)
This class discusses some of the differences between Inflow and Infiltration, where to look, and methods of inspection manholes in sewer systems. reasons for inspection and assessment, and methods and terminology used in manhole inspection as well as a brief discussion into NASSCO and MACP assessment.

Sanitary Sewer Spot Repairs (John Allard, Clean Water Services)
This class will cover what entails for a repair on a damaged section of sanitary sewer. This will include identification of a damaged pipe, calling in Locates, asphalt cutting, excavation and shoring. For the repair portion, we will cover how to break open the sewer pipe, dealing with the wastewater, making a good connection with new pipe and correct couplers, lining up the pipe and bedding. We will finish up by covering backfill and compaction, asphalt paving and sealing the road.

Acoustic Sewer Inspections (Gene Hallum, InfoSense)
What are acoustic sewer inspections and how does it work? This class will look at what a sanitary sewer line assessment tool is and how it can be used in your maintenance program. There will be a demonstration to show its simple set-up and use, followed by uploading the information so the class can see its application process. We will talk about where an assessment tool can be used that may save time and cost in maintenance programs.

Pump Station Upgrades (Bob Skinner / Otis Lundgren, Clackamas Co. WES)
Sewage pump stations play a critical role in our wastewater infrastructure. With some of these stations boasting decades of service, it's critical that comprehensive upgrades occur. Come explore the intricacies of pump station modernization, carefully considering the integration of cutting-edge technology with existing infrastructure. Through careful assessment and strategic planning, we aim to enhance operational efficiency, mitigate risks, and future-proof our systems. By upgrading these pump stations, we're not just improving performance and efficiency – we're setting the stage for the future of wastewater management that is helping to propel us forward into a new era of excellence.

8 Hr. HAZWOPER First Responder Operations (Lloyd "Fuji" Ngariki, City of Eugene)
First responders at the operations level are individuals who respond to releases or potential releases of hazardous substances as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release. Some examples of a release of hazardous substances that maintenance staff respond to are sanitary sewer overflows; fuel and oil spill; paint spills and human or unknown chemical waste clean-up from un-housed campsites. This 8-hour training will cover all requirements for the First Responder Operations Level, that includes reviewing the Code of Federal Regulations (CFR) 29 Labor, 40 Protection of Environment and 49 Transportation. Students will learn to use the Emergency Response Guidebook to identify, Hazard Classification, Markings, Labels and Placards, Rail Car and Road Trailer Identification, Shipping Documents, and identifying Hazardous material by United Nations (UN) number of by product name. Students will be able to learn basic hazard and risk assessments through the hazard communication process. We will discuss how to select and use proper Personnel Protective Equipment (PPE), go through the different levels of protection for skin, respiratory, and eye protection. Students will learn how to perform basic

engineering control, containment and/or confinement techniques and operations within the capabilities of the resources and personal protective equipment available, as well as, how to implement basic decontamination process and understand the relevant standard operating and termination procedures. Students are required to complete a test at the end of the course to receive a certificate of completion.

FOG Outreach & Data Management Systems (Jude Brown, Pollution Prevention Resource Center)
In part one of this session, we will cover best management practices for connecting with FOG (fats, oils, and grease) generators in the community and mitigating conveyance impacts down the line. In part two, we will dive into data collection, data management systems, and available "off the shelf" software.

Street Sweeping: General Knowledge and Discussion (Shawn Patrick, Owen Equipment)
This session will be a general discussion of street sweeping, history and the evolution of the sweeper. Regulatory standards require cities/towns with either an NPES or a Stormwater permit to capture runoff entering the stormwater system. These runoffs include heavy metals from vehicles, human and pet waste, trash and vegetation debris. Sweepers are used to sweep and pick up these debris along the curb line. We will also discuss the different sweeper brands available, sweeper types and what they are used for. We will cover the best practices for making your sweeper last, basic maintenance and operation questions.

Hillsboro CCTV Discussion (Dusty Adams / Rick Andrus / Wayne Polly, City of Hillsboro)
The City of Hillsboro team will discuss CCTV inspections in sanitary and storm sewer mainlines as well as lateral launch capabilities. This class will be interactive with the audience and will also include a portion of hands on with one our CCTV vans on display with many different camera setups and tools for completing the work.

Using Artificial Intelligence to Code Sewer Infrastructure (Jim Brown, True North Equipment)
This class introduces Artificial Intelligence (AI) in sanitary sewer/stormwater inspection coding and reporting. With the development of AI reporting software, the class will see how software has been trained to provide accurate observation recognition as compared to the standard we use today.

Phased Assessment for Sanitary Sewer (Jim Brown, True North Equipment)
In this session, Jim covers a new theory in assessing sanitary sewer and storm systems. The course explains a different idea in efficiency and overall cost savings. The course requires participation from the class and sharing their ideas and methods.

Keep it Out of the River (Bill Buterbaugh, Oregon T2 Center)
This class is a basic overview of how a large stormwater system operates and how it is maintained to help us meet our stormwater permitting requirements for the state of Oregon. Keeping raw sewage and hazardous waste out of our stormwater systems and waterways prevents health and environmental impacts.

STREET MAINTENANCE SESSIONS

Intro Chainsaw Maintenance Safety / PPE (Tipton Brown / Ricardo Muñoz Sandoval, Clackamas County)
In this class, we will go through a chainsaw describing essential components and functions. We will also cover maintenance and proper storage. We will conclude with starting protocols, PPE, and accident statistics.

RS-1 Basics of a Good Road (Tony Jobanek, Oregon T2 Center / Darrell Randall, Retired)
This is a required core class for those in the Roads Scholar Level 1 program. The class material covers road basics by providing a general overview of traffic, road geometrics, stormwater drainage, materials and pavements. Must attend all hours for credit.

Street Sweeping & Leaf Pickup (Gary Young, Western Systems / Jeff Budde, Global Environmental)
Street sweeping is crucial to reducing street and urban pollution. With urban areas growing larger and the environmental threats from transportation emissions, dust, and debris becoming more evident, towns, cities, and municipalities need to understand the importance of keeping their streets clean. Street sweeping also decreases waterway contamination by reducing the amount of material entering stormwater drains and sewers, which feed into streams, rivers, and other bodies of water nearby. This reduces the amount of sediment deposited in waterways and prevents excess pollutants from entering our environment – such as heavy metals or oil that could harm aquatic life or drinking water supplies downstream. We will be talking about the benefits of the different types of street sweepers from Broom, Air and Electrical applications.

Drug & Alcohol Testing for CDL Holders (Bill Buterbaugh, Oregon T2 Center)
This class gives state and federal regulations for CDL holders and drug testing requirements for employees with CDLs. There will be discussion on city, county or state employers on CDL policies and procedures.

RS-15 Roadway Safety Fundamentals 2 (Tony Jobanek, Oregon T2 Center)
This is a required class for those in the Roads Scholar Level 2 program. The class provides an introduction to roadway safety fundamentals by exploring a variety of topics that include crash data, the ODOT highway safety program, tort liability, risk management, speed limits, traffic control devices and pavement markings. Must attend all hours for credit.

RS-2 Drainage: Key to Roads that Last (Darrell Randall, Retired)
This is a required core class for those in the Roads Scholar Level 1 program. The class material examines the effects of water on roadways.

Participants will learn how water enters the roadway, the types of stormwater drainage systems that work and maintenance and repair techniques. Must attend all hours for credit.

RS-3 Paving Materials (Darrell Randall, Retired)
This is a required core class for those in the Roads Scholar Level 1 program. Introduction to key properties of aggregates and the various binders available in order to produce good paving material. Must attend all hours for credit.

Equipment Tie-Down (Darrell Randall, Retired)
This class covers important Federal and State Motor Carrier Requirements pertaining to equipment tie-downs. The 2-hour classroom session covers the Federal Motor Carrier Safety Administration rules on Protection Against Shifting and Falling Cargo and wraps up with a class exercise. The training then moves outdoors and concludes with a 1-hour field exercise.

RS-4 Environmental BMPs 1 (Janet Oatney, Retired)
This is a required core class for those in the Roads Scholar Level 1 program. Class covers an overview of Best Management Practices available to minimize the impact of maintenance activities on water quality. Must attend all hours for credit.