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| Environmental Standard Operating Procedure (ESOP) | |
| Stormwater Channels (SWC) | |
| Environmental Affairs (EA): Water Resources (760) 830-7883 | Revised: 1 October 2024 |

Subject: STORMWATER CHANNELS

References: (a) Stormwater Management Plan
(b) Combat Center Order (CCO) 5090.1J, Environmental Protection

1. Purpose. This document provides environmental guidelines for the proper maintenance and management of stormwater channels.
2. Application. This guidance applies to those individuals working with and around stormwater channels aboard the Marine Air Ground Task Force Training Command (MAGTFTC), Marine Corps Air Ground Combat Center (MCAGCC) Twentynine Palms. For further references to MAGTFTC, MCAGCC in this document, the term "installation" will be used.
3. Procedures. Stormwater runoff is generated when precipitation falls onto the ground and fails to be absorbed into the soil. Impervious surfaces such as driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground. Stormwater runoff can pick up debris, chemicals, dirt, and other pollutants from various industrial, construction, or shop activities transporting those pollutants into storm channels.

Amendments to the Clean Water Act established a framework for regulating stormwater discharges under a permit program to help prevent these pollutants from adversely impacting water quality and the environment. To comply with these regulations, preserve water quality, and protect the environment, the installation must follow standard operating procedures for stormwater discharge.

4. Operational Controls. The following controls apply:
 - a. Litter and debris from sidewalks, driveways, and parking lots should be swept up, especially around storm drains or storm channel inlets.
 - b. Rinsing or washing of food materials onto the ground or storm channels is not permitted at any time. Mop water and cleaning fluids are prohibited from being dumped onto the ground or into storm drains. Instead, mop water should be dumped in deep sinks or authorized floor drains only.
 - c. Discharge of any material(s) to storm channels is prohibited without previous written approval from the EA's Water Resources Office, who can be contacted via phone at (760) 830-7883.
 - d. Any spills near or leading into storm drains should be identified and reported to the EA's Abatement Chief, who can be contacted via phone at (760) 401-9841.
 - e. It is important to cleanup any spills or petroleum oils and lubricant releases and prevent entry into storm drains. Parking of vehicles or equipment over storm drain inlets is prohibited.

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- f. Any leaking equipment or vehicles will have proper secondary containment capable of capturing and containing the fluids and shall prevent the fluids from reaching the ground.
 - g. Cleanup kits and any safety equipment appropriate to the type and quantity of materials that may spill near storm drain should be prepared and maintained.
 - h. Storm channels must be free from trash, sand, and other debris that may block stormwater from flowing freely to retention basins. Unit areas of responsibility are defined in CCO 11000.1K.
 - i. Any structural damage to storm channel(s) or retention basin must be identified and reported to the Public Works Division (PWD). It is essential to maintain a copy of the PWD work request/number for follow up and records. Unit areas of responsibility are defined in CCO 11000.1K.
 - j. In the event of a spill, personnel should contact the EA's Abatement Chief via phone at (760) 401-9841.
 - k. If there are specific situations or other concerns not addressed by this procedure, contact the EA's Water Resources Office via phone at (760) 830-7883.
5. Documentation and Record Keeping. The following records must be maintained:
- a. Maintain records documenting PWD work request and number for areas of responsibility.
 - b. Training records maintained on file for no less than 3 years.
6. Training. Affected personnel must be trained in this document and the following:
- a. General Environmental Awareness training
 - b. Abatement ESOP
7. Emergency Preparedness and Response Procedures. Refer to the spill response procedures listed in the Abatement ESOP.
8. Inspection and Corrective Action. The Environmental Compliance Coordinator (ECC) will confirm unit adherence to this ESOP. The ECC will confirm that unit personnel are trained in this ESOP and maintain appropriate documentation in accordance with this ESOP.