**BMP D07: Integrated Pest Management**

**Pollutants of Concern:**
- Pesticides
- Dry weather Flows

**Purpose:**
To coordinate multiple measures (e.g., biological, mechanical, cultural, chemical) to facilitate the long term elimination of unwanted pests from landscapes, minimizing the need for chemicals that could be harmful to people and the environment.

**Application:**
Grounds and landscaping, outdoor storage areas, and other pest control areas.

**Practices:**
1. Keep outdoor storage areas clean and orderly.
2. Eliminate pest attractants such as food, water, debris, shelter and infested plant material.
3. Frequently remove weeds from plant beds that may become invasive or attract unwanted pests.
4. Maintain irrigation systems to eliminate irrigation runoff, possible water sources for pests and breeding sites for insects.
5. Use proper fertilizing, sanitation and watering techniques to maintain plant health.
6. Utilize pest resistant plants to eliminate the necessity for chemical based pesticides.
7. Create physical barriers around plant beds to limit the access of rodents and other pests.
8. Use mechanical elements, such as soil solarization, heat treatments, or traps to prevent pests from propagating.
9. Strategically cultivate plant species that will attract competitive organisms in order to reduce the survival potential and expansion of a particular pest species.
10. Cultivate plant species that are drought tolerant to reduce the amount of irrigation required and potential runoff.
11. Use organic materials and mulch to control irrigation runoff and reduce the need for chemical controls.
12. Use the least toxic, most effective and pest specific pesticides when necessary.
13. Empty trash receptacles frequently, clean dishes immediately after use, reduce clutter, seal areas where pests may enter buildings, and keep premises free of trash and overgrown vegetation in order to reduce the possibility of attracting indoor pests.

**Frequency & Maintenance:**
1. Monitor irrigation system at least once during the dry season (May – September) for discharges into the storm water conveyance system. Adjust irrigation system as needed.
2. Regularly inspect grounds and landscaping for evidence of pests.
3. Visually inspect for trash and remove as needed.

**Training:**
Shops and trades staff who perform outdoor work activities that could contribute pollutants to the campus storm water system must take the **Annual Shop & Studio Environmental Compliance & Hazards Training** which includes storm water pollution prevention.

**Additional Information:**
UCSD’s Storm Water Pollution Prevention Program: [http://stormwater.ucsd.edu](http://stormwater.ucsd.edu)