

Two examples using ESJWQC tributary information as an example to follow the decision tree process (Figure 1).

EXAMPLE 1

SJR @ Las Palmas chlorpyrifos exceedances on 7/22/10 (0.041 ug/L).

1. Non Compliance of the SJR Chlorpyrifos/Diazinon Loading Capacity → yes
2. Upstream exceedances (occurs during same event either upstream in SJR or drainage area → No (for ESJWQC area and SJR compliance points)
3. Previous Non Compliance at the same SJR Compliance Location → No (no previous exceedances at the Las Palmas site, first year of monitoring); this question differentiates between being able to use previous years PUR associated with past exceedances and narrow down the potential sources of chlorpyrifos use and therefore outreach by the Coalition to a subset of members.

ACTION: General outreach in drainage area regarding non compliance at downstream compliance location; evaluation of sources in the annual report based on the most recent PUR data available for that drainage area → General outreach would occur following the non compliance to members within the drainage area that have parcels with the potential for direct drainage. The annual report (2011) would include a summary of the chlorpyrifos use 4 weeks prior to the exceedance for the drainage area.

EXAMPLE 2

Hypothetical exceedance at SJR @ Lander Ave for chlorpyrifos in July 2011; hypothetical exceedance of chlorpyrifos at Duck Slough @ Gurr Rd in July 2011 (tributary to SJR @ Lander Ave).

1. Non Compliance of the SJR Chlorpyrifos/Diazinon Loading Capacity → yes
2. Upstream exceedances (occurs during same event either upstream in SJR or drainage area → Yes (hypothetical exceedance in Duck Slough @ Gurr Rd in the same month)
3. Upstream exceedances with the potential to contribute to SJR load capacity non-compliance → Yes (exceedance occurred at Duck Slough @ Gurr Rd and the water body was contiguous and flowing)
4. Upstream subwatersheds are already in a management plan for chlorpyrifos/diazinon → Yes, Duck Slough @ Gurr Rd is in the ESJWQC Management Plan.
5. Management practices are documented for upstream subwatersheds → Yes, individual contacts have occurred within the Duck Slough @ Gurr Rd subwatershed and management practices have been documented (both initial and newly implemented)
6. Sufficient information is known regarding member management practices → Yes, all enrolled members with the potential to drain to Duck Slough have documented existing and newly implemented management practices

ACTION: Evaluate Management Plan Strategy →if this situation occurred, the ESJWQC would discuss additional strategies that could be implemented to deal with this non compliance. The ESJWQC would evaluate chlorpyrifos use by non members including parcels enrolled within the dairy program. Discussions would occur once PUR data associated with the exceedance are available and would be summarized in the annual report (2012).

