EXHIBIT I: Decision Flow Chart for SOP

BEGIN: Is dewatering proposed within a contaminant plume area?

Yes. Is the proposed dewatering also within ¼ mile of other contaminated sites?

Yes. Dewatering Plan required; must be certified by a P.E., contain specifications for effluent treatment, and provide fundamental project information detailed in Sections II.A. and II.B. of SOP. Submit for Approval.

No. Dewatering Plan required; must be certified by a P.E., contain specifications for effluent treatment, and provide fundamental project information detailed in Sections II.A. and II.B. of SOP. Submit for Approval.

No. Is dewatering proposed within ¼ mile of a contaminated site?

Yes. proposed dewatering is within ¼ mile of contaminated site. Dewatering Plan is required to evaluate potential impacts.

1) Use SFWMD or EAR hydrogeologic data or
2) Use independent aquifer test data.

Independent aquifer test data used. Is this data historic and from a test performed within ¼ mile radius of the proposed dewatering location or will a site-specific test be performed?

A. Use SFWMD or EAR data to perform Sichardt’s Equation (see SOP Exhibit III). Is the radius of influence greater than the distance to the closest contaminant plume?

Yes. Run computer model. See SOP Section II.C.2. Determine distance to 0.01-foot and 0.1-foot drawdown contours.

B. Site-specific aquifer test will be performed. See SOP Section II.C.1.a.(3)

Historic aquifer test data. Does data include at least 3 observation wells?

Yes. Was partial aquifer penetration considered during the test analysis?

No. Perform Sichardt’s Equation using K value from test (see SOP Exhibit III). Is the radius of influence greater than the distance to the closest contaminant plume?

Yes. go to C.

No. Perform site-specific aquifer test (go to B) or use SFWMD or EAR data (go to A).

No. Evidence in Plan and submit for approval.

Closest contaminant plume is outside of the 0.01-foot drawdown contour. Submit plan for EPD approval.

Closest contaminant plume is within the 0.01-foot drawdown contour but outside of the 0.1-foot drawdown contour. Propose monitoring as per SOP Section II.D.3. and submit plan for EPD approval.

Closest contaminant plume is within the 0.1-foot drawdown contour. Plan not approvable. Modify scope (i.e., use hydraulic controls) and re-run computer model.

No. Evidence in Plan and submit for approval.

Yes, go to C.

No. Can data be reanalyzed to consider partial penetration?

C. Are hydraulic controls proposed?

No. Evidence in Plan and submit for approval.

Yes. Evidence in Plan and submit for approval.