

*Southern California Edison*  
**San Joaquin Cross Valley Loop Project A.08-05-039**

**DATA REQUEST SET SJXVL CPUC-ED-01**

**To:** ENERGY DIVISION  
**Prepared by:** Erika Wilder  
**Title:** Environmental Coordinator  
**Dated:** 06/17/2008

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**Question 37:**

**Hazards and Hazardous Materials**

Please provide a copy of the Phase I Environmental Site Assessment (ESA) that SCE conducted.

**Response to Question 37:**

The Limited Phase I ESA can be found in Appendix H of the Proponent's Environmental Assessment for the project, or on-line at  
[http://www.sce.com/nrc/crossvalley/sanjoaquincrossvalleyloopproject\\_volume2.pdf](http://www.sce.com/nrc/crossvalley/sanjoaquincrossvalleyloopproject_volume2.pdf).

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**To:** ENERGY DIVISION  
**Prepared by:** Eric Bradley  
**Title:** Engineer  
**Dated:** 06/17/2008

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**Question 38:**

**Hydrology and Water Quality**

What types of drainage systems currently exist and what types would be installed at the substation sites that could require new foundations and/or other impervious surfaces? Would storm water be discharged to an offsite drainage system or would it discharge to pervious surfaces within the fence line of the sites?

**Response to Question 38:**

At the location of Rector Substation, the existing drainage system consists of two pervious retention basins and various drainage swales. The orientation of the substation has been designed to route sheet flow runoff to the retention basins, therefore preventing any offsite drainage from occurring.

At the location of Vestal Substation, the existing drainage system consists of a concrete drainage swale with rip-rap attached to dissipate runoff offsite. The current drainage system also consists of several drains placed through out the substation area to prevent slope scouring.

At the location of Springville Substation there is drainage ditch along the outside perimeter of the substation fence line. In certain areas around the substation the drainage ditches are covered with a Gunite Liner, while in other remaining areas the ditches consist of natural ground cover.

The grading design for Big Creek 3 Substation is terraced. The drainage system for this station consists of several drainage ditches located at the toe of various slope locations. The ditches have a Gunite Liner. There are several CMP's (Corrugated Metal Pipe) placed through out the substation to reroute slope runoff.

The proposed scope of work for Rector, Big Creek 3, Vestal, and Springville substations should not require any new drainage system installation.