

**SMP FORM B: SAMPLING, DATA EVALUATION, SOIL MANAGEMENT ACTION**

Project Name: LBNL Fiber Optic Distributed Acoustic Sensor (DAS) Survey

Tracking Number: SMP Project 20141024-SEISMIC Revision Number: NA

SMP Form B Initiation Date: 11/05/14

EH&S Point of Contact: Karl Hans

*If this form has not been approved or no activities have occurred for 1 year, the information contained herein must be reviewed and updated as necessary prior to work occurring in the project area.*

**1. Sampling Design (attach Sampling Strategy Memorandum)**

|  |  |   |
|--|--|---|
| a. SMP Areas Affected                                      | SMP Area 16  | Consult SMP Figure 6  |
| b. Sampling Density and Planned Number of Sample Locations | Low (125 foot grid spacing); 5 sample locations  |   |
| c. Chemicals of Concern and Summary of Existing Data       | As, Hg, Pb, PCBs, PAHs; no existing data is available<br>Consult SMP Tables 1 and 2, and the most current groundwater report<br>Include data summary in sampling strategy memorandum   |   |
| d. Sampling Depths and Intervals                           | 0.0-0.5 feet bgs; 1.5-2.0 ft bgs   | Consult SMP Section 4.1   |
| e. Project is within area of GW above screening criteria   | Yes <input type="checkbox"/><br>If Yes, consult RAW, notify DTSC   | No <input checked="" type="checkbox"/><br>Consult SMP Table C-2       |
| f. Sampling design meets all SMP prescriptive requirements | Yes <input type="checkbox"/><br>The proposed sampling depth does not extend 2.5 feet below disturbed soil.<br>Not applicable since project is temporary and does not constitute final cover.<br><br>If No, DTSC concurrence received?<br>Yes <input checked="" type="checkbox"/> | No <input checked="" type="checkbox"/><br>No <input type="checkbox"/> |


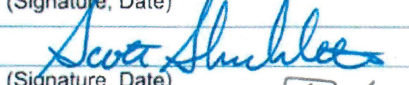
**2. Data Evaluation (Post-Sampling) (attach Data Summary Report)**

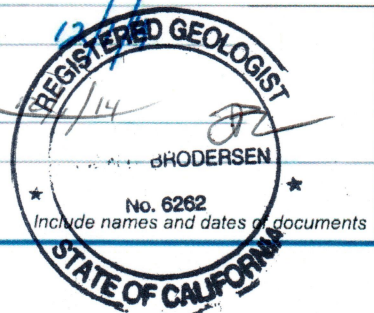
|  |   |   |
|--|---|---|
| a. Sampling Design Implemented                                   | Yes <input type="checkbox"/><br>If No, describe deviations:   | No <input type="checkbox"/>                             |
| b. Sample Results Meet Category I                                | Yes <input type="checkbox"/><br>If Yes, submit summary report with SMP Form B<br>If sample results indicate unanticipated contamination or discovery, notify DTSC | No <input type="checkbox"/><br>Consult SMP Table 3      |
| c. Soil Exceeding Category I is Defined Vertically and Laterally | Yes <input type="checkbox"/><br>If No, consult sampling requirements or defer to excavation confirmation sampling   | No <input type="checkbox"/> NA <input type="checkbox"/> |
| d. Soil Meets Category II Criteria                               | Yes <input type="checkbox"/><br>Soil proposed for on-site management requires plan<br>Soil above Category II criteria requires excavation plan                    | No <input type="checkbox"/> NA <input type="checkbox"/> |

**3. Soil Management Action (attach On-Site Management or Soil Excavation Plan)**

|   |   |  |
|---|---|--|
| a. On-Site Management Plan Meets SMP Requirements | Yes <input type="checkbox"/><br>If No, provide explanation or contact DTSC: | No <input type="checkbox"/><br>Consult SMP Section 4.3 |
| b. Excavation Plan Meets SMP Requirements         | Yes <input type="checkbox"/><br>If No, provide explanation or contact DTSC: | No <input type="checkbox"/><br>Consult SMP Section 4.3 |

**4. SMP Form B Approval**

|   |  |
|---|--|
| a. Greg Haet, Project Coordinator, EH&S                                 |  12/01/2014<br>(Signature, Date) |
| b. Scott Shackleton, Facilities Management, UCB, College of Engineering | <br>(Signature, Date)            |
| c. Professional Civil Engineer or Geologist                             | JASON BRODERSEN<br>(Name, Signature, Date, Stamp)  |



**5. References Used to Complete Form**

Final RAW (Tetra Tech 2014)