



SoCalGas Porter Ranch Area Interior Cleaning Work Plan

5/25/2016

Section 1.0 Scope of Work

The scope of work is to implement the DPH Guidelines for Home Cleaning and Ventilation. These guidelines were provided in the DPH Directive to Implement Comprehensive Cleaning Protocol in Porter Ranch Homes dated May 13, 2016 and the DPH Public Health Assessment also dated May 13, 2016. This work plan will be implemented in the homes of residents who chose to relocate as a result of the natural gas leak at the Aliso Canyon Gas Storage field during late 2015 and early 2016. The specific procedures that will be employed to clean the homes are provided in Section 2. The quality assurance/quality control (QA/QC) procedures are provided in Section 3. The Health and Safety plan for American Integrated Services (AIS) is provided in Appendix A. The air duct cleaning procedures are provided in Appendix B.

Section 2.0 AIS Home Cleaning Checklist

AIS shall mobilize technicians for the cleaning work described within this plan. Technicians implementing the work in this plan shall have received training in home remediation. Specifically, training for technicians should include how to recognize and use equipment (e.g. High Efficiency Particulate Air [HEPA] vacuum, HEPA filter, Air Scrubber, dry steamer), and how to set up containment. Further, all supervisors must be certified by Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) and have home remediation experience. Prior to performing any work within a specific residence, AIS shall discuss the DPH / So Cal Gas Guideline for Home Cleaning and Ventilation ("Protocol") with the resident and advise the resident that the Protocol has been designed by DPH to mitigate indoor environmental conditions that may be causing symptoms. If residents express concern with any component of the cleaning, AIS will explain the procedure in question and explain the benefits to the resident. If residents decline a specific service, AIS will state the benefits again and request a confirmation of the denial. If residents decline the service, AIS will adjust the cleaning procedure accordingly. Once permission to enter has been given and the scope of cleaning is confirmed, AIS will proceed with the following:

1. Supervisor shall outline on the back of the consent form, a general diagram showing worker ingress / egress points, changing station and negative air machine locations in compliance with DPH protocols and assure that the proper amount of Negative air machines are used to achieve a minimum of 1 air change every 20 minutes. Volume of air shall be sufficient to ensure airflow is maintained from clean areas into the work area. Negative air machines should be placed in central location in the home.
2. Place 6-mil polyethylene barrier over existing door between garage and living space on interior of garage wall. Windows need to be closed, except for one upstairs window or back door as a fresh air source, and 6 mil poly on exterior doors except at door where negative air machine is placed and back door if needed for fresh air source.
3. Place and ensure proper operation of portable negative air machines to extract air directly from the cleaning area to the outdoors as shown on layout diagram provided in the

consent form. Document start time and running hours for the negative air machine for purposes of HEPA-Filter replacements. As per manufacturer's recommendations, typical average filter life with continuous operations is as follows: Primary filter: 1 day, Secondary filters: 3-7 days, HEPA filter: 800 hours. Primary and Secondary Filters will be removed and replaced after each house has been cleaned and the HEPA filter once per week. The use of a negative air machine is for use as a scrubber, not in the context of providing a negative air enclosure

4. The interior of the property shall be vacuumed utilizing commercial vacuums equipped with HEPA filtration. This will consist of surfaces including: countertops, wood and tile floors, carpets, and cloth-upholstered furniture and cloth drapes. If the resident chooses to dry clean drapes, they can submit a claim to SoCalGas for reimbursement for their dry cleaning expenses.
5. Surfaces (e.g., counter tops, table tops, furniture, refrigerator, tops of cabinets, and book cases) will be wiped down with a damp cloth using a mild soapy water solution in lieu of cleaning solutions that may cause allergic reactions.
6. Blinds and window coverings shall be wet wiped and or vacuumed and caution will be used to not damage them.
7. Windows and sills will be cleaned using a soapy water solution.
8. After all floors in the house have been HEPA vacuumed, they shall be wet-wiped or damp- mopped using a soapy water solution. Dry sweeping and cleaning solutions will be avoided as potential damage could occur to the surfaces.
9. Bathroom horizontal surfaces shall be cleaned utilizing a soapy water solution.
10. Leather and vinyl furniture will be wiped with a damp cloth. No soapy water or cleaners shall be used to avoid potential damage.
11. After duct cleaning, all HVAC filters will be replaced and covered with 6 mil polyethylene bags. All HVAC filters will be replaced. Filters shall be a medium or high efficiency particle filter (MERV 8 or higher). HVAC work will be conducted by third party contractor who is tasked with cleaning HVAC ducts and system.
12. Existing HVAC systems shall be thoroughly cleaned by a specialty duct cleaning contractor. This cleaning shall including HEPA vacuuming of existing duct work, wipe down of registers and intakes. Refer to Appendix B for a detailed breakdown.
13. HEPA vacuum and wet wipe all walls being careful to adjust approach based on wall coverings or paint type. Smooth ceilings should be HEPA vacuumed if indicated by visual observation. Ceilings that may contain asbestos will not be vacuumed (e.g. popcorn style ceilings)
14. Carpeted floors, upholstered furniture and drapes will be HEPA vacuumed.
15. Dry steam as selected by the resident: carpeted floors, upholstered furniture, and drapes as applicable.
16. Clean accessible areas of the garage with a HEPA vacuum.
17. Upon final cleaning, crews shall remove the Pre-Filters (Primary & Secondary) from the existing negative air machine and place within a sealed bag for disposal. Technicians

shall then replace with new filters, wrap and seal in 6 mil poly and place within vehicle for transportation to the next location. Workers will wear booties so household dust is not tracked from one residence to another; workers will wear new booties for each house.

The above mentioned tasks and procedures shall be completed in the following sequence:

1. Outline on the back of the consent form, a general diagram.
2. Place 6-mil polyethylene barrier over existing garage door.
3. Place and ensure proper operation of portable negative air machines.
4. Photograph rooms for starting condition.
5. Start cleaning procedures from (2nd floor area if two story) the blind / drapes wet wiping or vacuuming as applicable including HEPA vacuuming of hard surfaces. Work all rooms from top to bottom finishing with vacuuming of all horizontal surfaces.
6. Proceed with wall wipe down
7. Wipe down all horizontal surfaces with soapy water solution.
8. Wash windows with soapy water solution.
9. Perform duct cleaning and replace filters (this task may be done earlier or later as applicable). HVAC system will be shut down during entire cleaning process to prevent cross contamination of dust from main living space. Negative air machine will draw dust that may become airborne during the cleaning process. See Attachment B for duct cleaning process.
10. Photograph rooms for ending condition.

The above procedures shall be repeated throughout all rooms within the house until which point the supervisor directs the following items to be implemented:

1. HEPA-Vacuum floor.
2. Dry Steam clean drapes as applicable.
3. Dry Steam clean upholstery items as applicable.
4. Dry Steam clean carpet as applicable.
5. Final walk through and sign off.
6. Run HVAC system for 30 minutes
7. Remove Negative air machine (remove and bag filters)

The attic will not be cleaned as part of the protocol. DPH has consulted with its scientific experts and determined it is not necessary to clean the attics at this time.

Section 3.0 Quality Assurance/Quality Control

A third party, other than AIS, will be engaged to confirm that the DPH Guidelines for Home Cleaning and Ventilation (attached to the DPH Directive) were implemented to the extent practicable. Personnel trained in industrial hygiene will be designated by SoCalGas as QA/QC

Observers. The QA/QC Observers will observe the cleaning of 10% of the homes each day during the entire period the homes are being cleaned. The QA/QC Observers will independently complete the protocol checklist specified herein (Section 2). Special attention will be given to the correct order of tasks specified here.

In the event any discrepancies are identified in the checklist between the contractor and the QA/QC Observers, the AIS site supervisor will be notified immediately so that the issue can be discussed and mitigated. The QA/QC Observers will note on the checklist any discrepancies and how they were addressed and resolved.

The QA/QC Observers will also inspect areas cleaned to confirm that they are free of visible dust after they have been cleaned. Any areas that have not been adequately cleaned will be brought to the attention and addressed prior to leaving the home.

Appendix A. AIS H&S Plan – To be provided in separate attachment.

Appendix B. Air Duct Contractor’s Cleaning Procedures – To be provided in separate attachment.

Attachment A

1.0 SITE DESCRIPTION

Prepared By: _____ Date _____ Job # _____

Site Name _____

Address _____

Type of Operation _____

Contact Person _____ Phone No. _____

Geographical Physical Description Industrial Residential Unpopulated Rural
 Rocky Sandy Beach Cliffs Other _____

2.0 KEY PERSONNEL

Project Manager(s) Day Shift _____ Phone No. _____

Night Shift _____ Phone No. _____

Safety Officer (s) Day Shift _____ Phone No. _____

Night Shift _____ Phone No. _____

3.0 HAZARD IDENTIFICATION

1. CHEMICAL HAZARDS

MSDS On Site Yes No

Oxygen Deficiency Enrichment

Flammable Gases Vapors

Corrosives Acid Caustic PH _____

Vapors Organic Inorganic

Explosives _____

Carcinogens _____

Metals _____

Oxidizers _____

Pesticides _____

Other _____

2. PHYSICAL HAZARDS

Confined Space Type _____

Heat Stress Cold Stress

Heavy Equipment Demolition

Noise Source _____

Biohazards _____

Traffic Street Freeway Road

Water Operations Type _____

Elevated Surfaces Type _____

Slip Trip and Falls

Overhead Hazards Type _____

Other _____

4.0 PERSONAL PROTECTIVE EQUIPMENT

- | | | | | |
|---|---------------------------------------|---|--|---|
| <input type="checkbox"/> Safety Glasses | <input type="checkbox"/> Hard Hat | <input type="checkbox"/> Encapsulating Suit | <input type="checkbox"/> SCBA | <input type="checkbox"/> Hearing Protection |
| <input type="checkbox"/> Chemical Goggles | <input type="checkbox"/> Gloves _____ | <input type="checkbox"/> Splash Coveralls _____ | <input type="checkbox"/> SAR <input type="checkbox"/> W/Egress | <input type="checkbox"/> Body Harness |
| <input type="checkbox"/> Face Shield | <input type="checkbox"/> Boots _____ | <input type="checkbox"/> Rainsuit _____ | <input type="checkbox"/> APR <input type="checkbox"/> ½ <input type="checkbox"/> | <input type="checkbox"/> Lifeline |
| <input type="checkbox"/> Other _____ | <input type="checkbox"/> Hoods _____ | <input type="checkbox"/> Tyvek _____ | <input type="checkbox"/> Cartridge Type _____ | <input type="checkbox"/> Other _____ |
| | <input type="checkbox"/> Other _____ | <input type="checkbox"/> Other _____ | <input type="checkbox"/> Other _____ | |

5.0 AIR MONITORING

Continuous Monitoring Yes No Readings Every _____ Hr. Min.

- Monitoring Equipment Four Gas Meter S# _____ Calibration Date _____
- PID OVA S# _____ Calibration Date _____
- Colorimetric Detector Tubes Type _____ Range _____ PPM
- Other _____

6.0 PERSONAL PROTECTIVE EQUIPMENT REQUIRED

Selection of appropriate PPE will be based on the contaminant type(s), concentration(s) and routes of exposure. All potential exposures to chemical and physical hazards will be considered in the selection of appropriate protection levels to provide adequate personnel protection.

ACTIVITY/TASK PERFORMED	PROTECTION LEVEL	DURATION PPE WORN
(1.) _____	_____	_____
(2.) _____	_____	_____
(3.) _____	_____	_____
(4.) _____	_____	_____
(5.) _____	_____	_____
(6.) _____	_____	_____
(7.) _____	_____	_____

7.0 DECONTAMINATION

Decontamination Methods

- Discarding Dilution Neutralization Absorption

Other _____

Decontamination Solutions


- Water Alone Soap and Water Bleach and Water Other _____

Special Recommendations _____

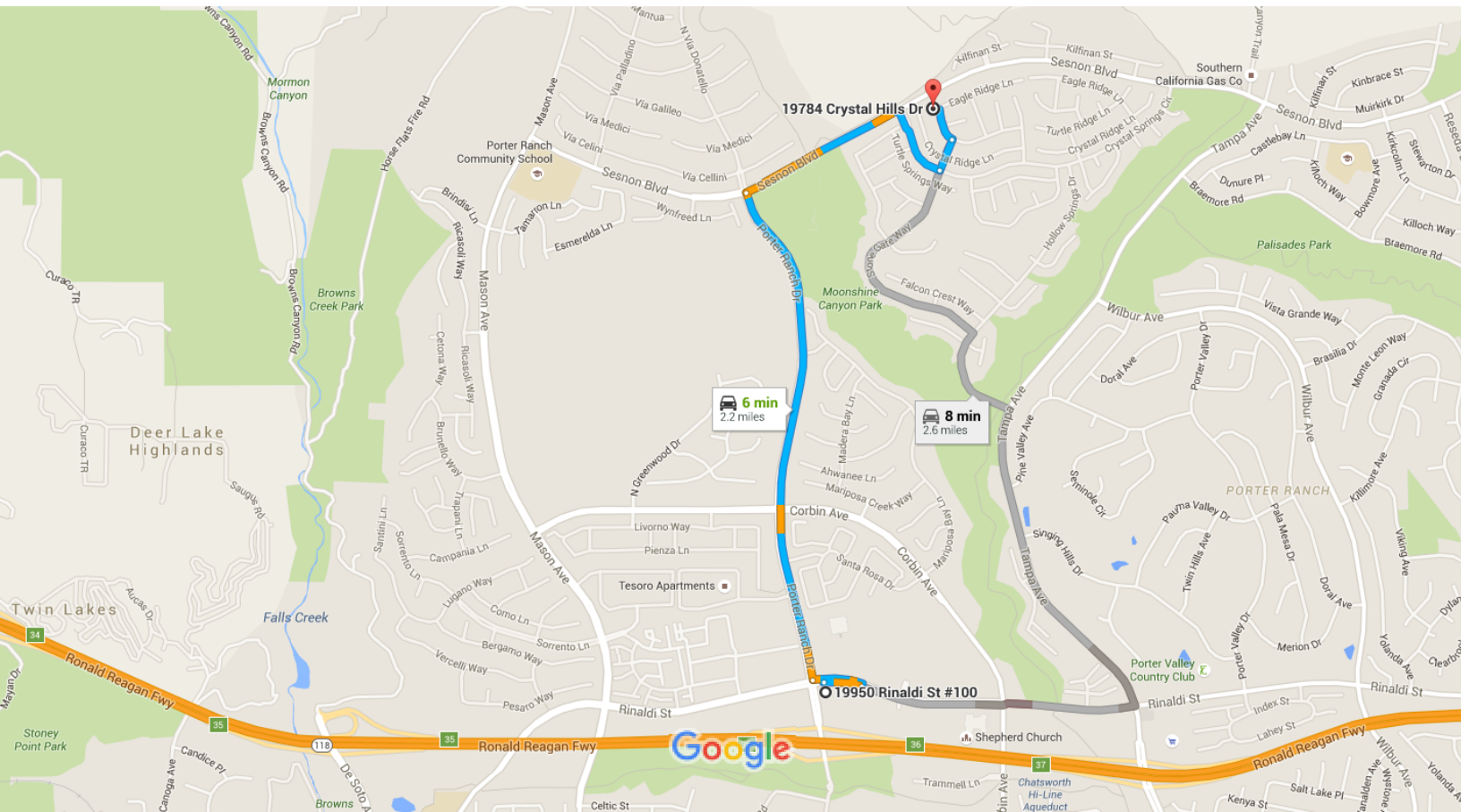
8.0 EMERGENCY INFORMATION

Hospital/Clinic Name	
Hospital Address And Phone	
Police / Fire / Ambulance	
Poison Control Center	
Chemtrec	

HOSPITAL MAP



ROUTE TO HOSPITAL



Map data ©2016 Google 1000 ft

19950 Rinaldi St #100

Porter Ranch, CA 91326

- ↑ 1. Head east on Rinaldi St 489 ft

- ↪ 2. Make a U-turn 0.1 mi

- ➔ 3. Turn right onto Porter Ranch Dr 1.2 mi

- ➔ 4. Turn right onto Sesnon Blvd 0.4 mi

- ➔ 5. Turn right onto Crystal Springs Cir
⚠ Restricted usage road 0.2 mi

- ↶ 6. Turn left onto Stone Gate Way
⚠ Restricted usage road 423 ft

- ↶ 7. Turn left onto Crystal Hills Dr
⚠ Restricted usage road
i Destination will be on the left 433 ft

19784 Crystal Hills Dr

Northridge, CA 91326

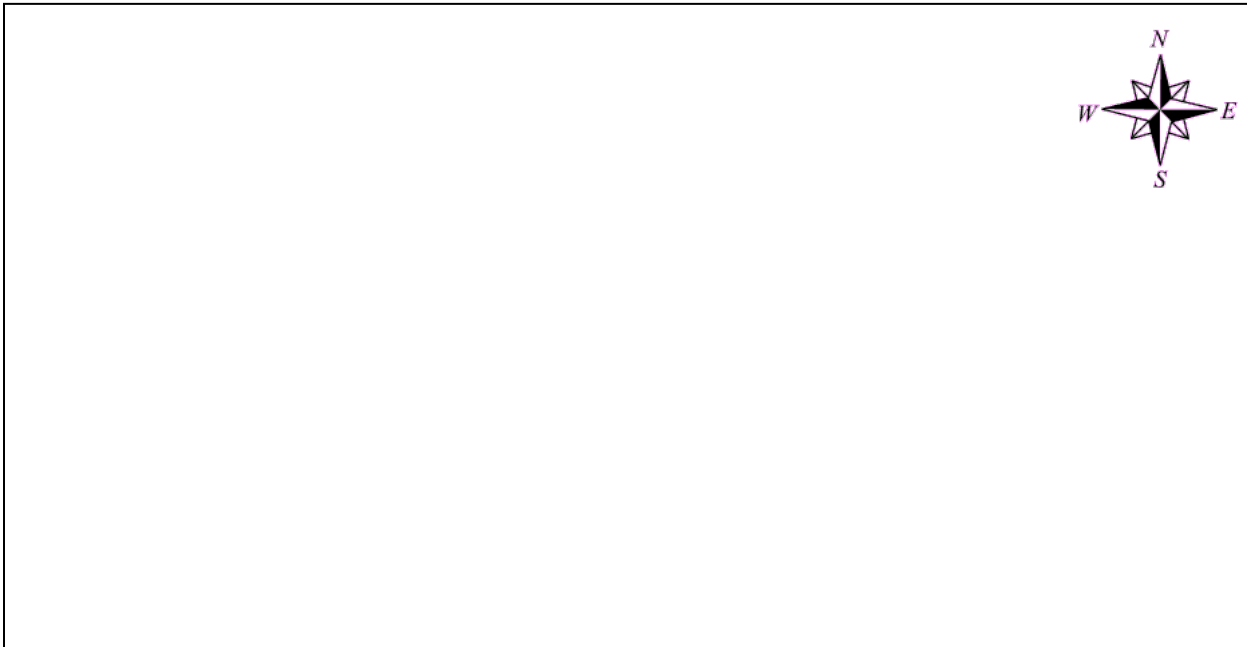
9.0 EVACUATION PLAN

Alert Methods Air Horns Site Alarm Verbal Phone Other _____

Recommendations: In the general case of a fire, explosion, chemical spill or toxic vapor release, a site evacuation shall be ordered and shall follow these steps:

- Sound the applicable alarm _____
- Evaluate the immediate situation and exit to nearest evacuation point.
- Complete a head count.
- Wait for further instructions.

EVACUATION MAP



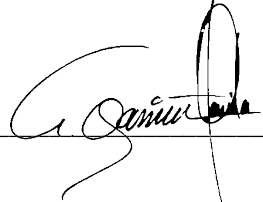
10.0 REVIEW / APPROVALS

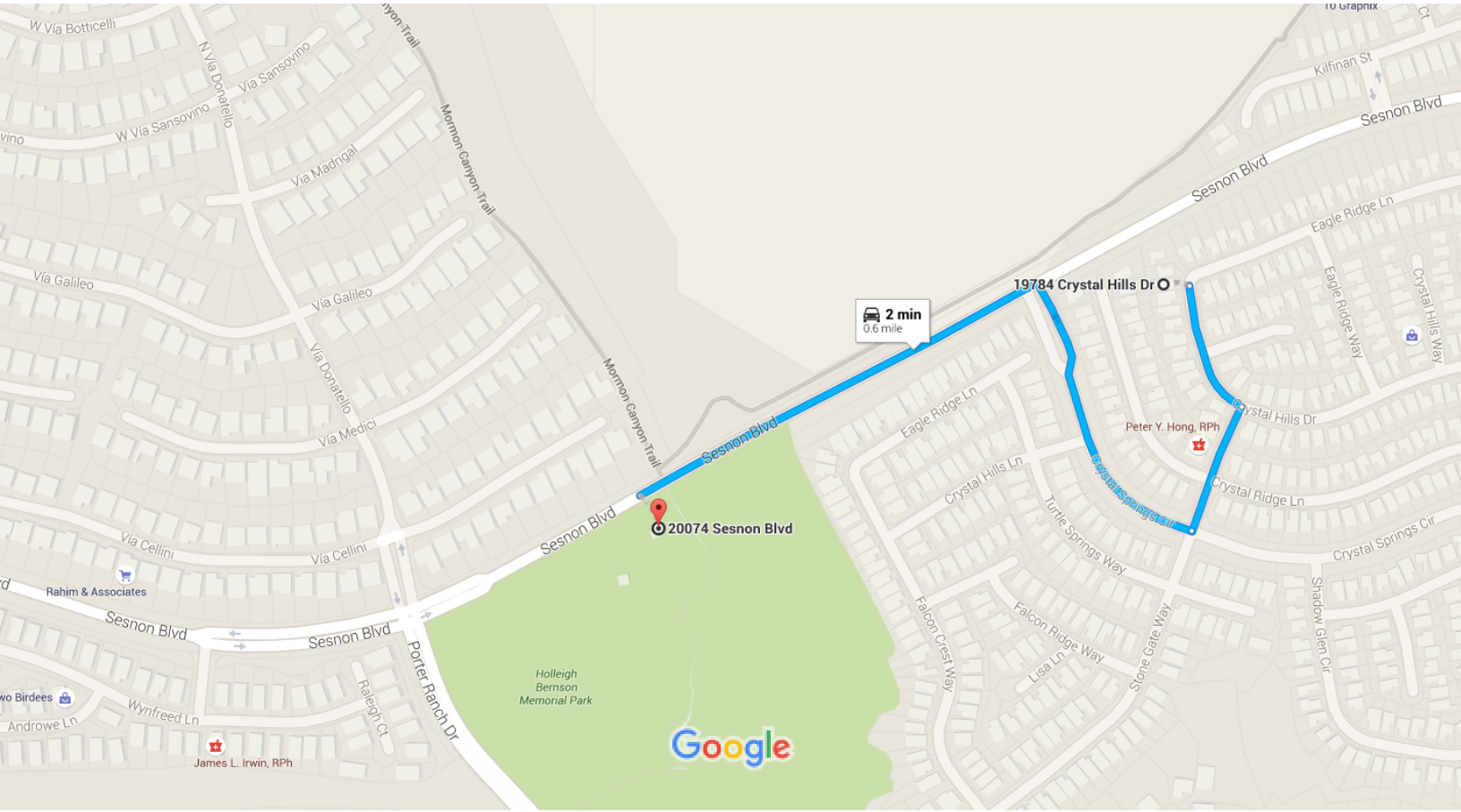
This SSP was prepared from the best available information concerning site conditions. It is recognized that conditions on site are dynamic and may therefore require modifications over time. If it is determined that the level of protection(s) specified in this SSP requires modification, work will cease and the site Safety Officer will consult with the Project Manager. Work will resume as soon as the necessary modifications have been implemented.

AIS Project Manager/Supervisor

Name: _____ Signature  _____ Date _____

AIS Health and Safety Officer

Name _____ Signature  _____ Date _____



Map data ©2016 Google 200 ft

19784 Crystal Hills Dr

Northridge, CA 91326

- ↑ 1. Head south on Crystal Hills Dr toward Crystal Hills Ln
⚠ Restricted usage road

- ↘ 2. Turn right onto Stone Gate Way
⚠ Restricted usage road

- ↘ 3. Turn right at the 2nd cross street onto Crystal Springs Cir
⚠ Restricted usage road

- ↶ 4. Turn left onto Sesnon Blvd
i Destination will be on the left

20074 Sesnon Blvd

Porter Ranch, CA 91326

ACKNOWLEDGMENT FORM

All AIS personnel, and their subcontractors working at or visiting the site (beyond the Support Zone), must acknowledge by signing below that the contents of this SSP have been reviewed with them. Each person agrees that he/she read and understands this Site Safety Plan and agrees to comply with it.

	NAME	SIGNATURE	DATE	COMPANY
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

JOB SAFETY ANALYSIS

TASK: Surface Cleaning



TASK	HAZARDS	CONTROLS
1.		
2.		
3.		
4.		
5.		
6.		
7.		

8.		
9.		
10.		
11.		
12.		
13.		
<u>Equipment to be Used</u>	<u>Inspection Requirements</u>	<u>Training Requirements</u>

Attachment B

Attachment B

Proposed Duct Cleaning Methods:

AIS will provide duct cleaning from a 3rd party specialty contractor with experience cleaning air ducts which will follow the below proposed methods and sequence. The contracted air duct cleaning company should be a member in good standing of the National Air Duct Cleaning Association.

1. Upon arrival to the property technicians will inspect the ducts located within the attics, document and report any issues observed and recommend repairs as appropriate to homeowner.
2. If no issues have been detected, technicians will proceed with cleaning by first providing temporary 6 mil polyethylene sheeting protections for the surrounding areas to capture any potential dust or droppings from within the ductwork during cleaning efforts.
3. Technicians will remove all vents within each room including supply and return grills and remove filters, placing into 6 mil polyethylene plastic bags and disposing of properly. .
4. Technicians will then penetrate the ducts with HEPA vacuums to deep clean and remove debris accessing from each room.
5. Technicians shall carefully wipe all boots (Metal box located inside the ducts) and associated vents utilizing a soap and water solution with wet towels.
6. After vents and boots have been cleaned throughout the house, technicians will reinstall all vents, remove temporary coverings and protections and cleanup as needed with a HEPA equipped vacuum.
7. Once final cleaning has been completed within the ducts, technicians will remove the filter located at the furnace. This filter shall be placed within a sealed bag for appropriate disposal by AIS and taken away and disposed of as general construction debris unless requested to be left behind by the resident.
8. Upon removal of the filter, technicians will perform a final cleaning within the furnace box and replace the filter utilizing a MERV 8 Filter.
9. Clean air handling unit closets.