Response Team members set up air sampling equipment on November 10, 2018, in Area I of the Santa Susana Field Laboratory to measure air contaminants after the Woolsey Fire.

DTSC Interim Summary Report of Woolsey Fire

Impacts at SSFL & Surrounding Communities Sampling Results

December 2018

Department of Toxic Substances Control

CalEPA
California Environmental Protection Agency

STATE OF CALIFORNIA

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Appendices

ACRONYMS AND ABBREVIATIONS

9th CST	9th Civil Support Team of the California National Guard
CalEPA	California Environmental Protection Agency
CDPH	California Department of Public Health
DOE	Department of Energy
DRM	Data Rate Monitor
DTSC	Department of Toxic Substances Control
ECL	(DTSC) Environmental Chemistry Lab
HPGe	High Performance Germanium
HPIC	high pressure ion chambers
IBAC	Instantaneous Biological Analyzer and Collector
LLNL	Lawrence Livermore National Laboratory
LACDPH	Los Angeles County Department of Public Health
NASA	National Aeronautics and Space Administration
NNSA	National Nuclear Security Administration
NORM	Naturally Occurring Radioactive Material
OEHHA	Office of Environmental Health Hazard Assessment
PAH	polyaromatic hydrocarbon
PCB	polychlorinated biphenyl
RAP	Radiologic Assistance Program
RERT	Radiological Emergency Response Team
RMP	Radiation Management Program
SASS	Smart Air Sampler System
SSFL	Santa Susana Field Laboratory
U.S. EPA	U.S. Environmental Protection Agency
VOCs	volatile organic compounds
XRF	X-ray fluorescence

EXECUTIVE SUMMARY

The Department of Toxic Substances Control (DTSC) and a team of federal, state and local agencies evaluated impacts of the Woolsey Fire on conditions at the Santa Susana Field Laboratory (SSFL) site and in communities around the site. This interim report summarizes work done between November 8 and 30, 2018 to address concerns about the impact of the Woolsey Fire on SSFL and to assess the possibility that the fire caused radionuclides and hazardous chemical waste on the site to migrate into surrounding communities.

Over the course of three weeks, the agencies performed field inspections and computer simulations, took measurements and physical samples, conducted monitoring and reviewed available data from existing monitoring stations on the SSFL site and in nearby communities. Taken together, the observations and data from these investigations provide multiple lines of evidence that no radiation or hazardous materials from SSFL were detected in communities following the Woolsey fire.

Overview

On November 8, the Woolsey Fire burned through a portion of SSFL. The Department of Toxic Substances Control (DTSC) evaluated the impact of the fire based on reports from fire responders, visual inspection of the site, measurements from hand-held instruments, and laboratory analysis of field samples collected on-site and in surrounding communities. DTSC also requested and received support from a Response Team of federal, state, and local agencies with expertise in evaluating possible releases of radiation and hazardous compounds and potential impacts from fires.

Response Team members confirmed that the SSFL facilities that previously handled radioactive and hazardous materials were not affected by the fire. Additionally, air samplers located adjacent to these buildings collected data during the fire that show radionuclide levels consistent with background levels. Based on the DTSC and Response Team members' sampling results discussed in this report, all the measurements and analyses indicate that no radiation or hazardous materials associated with contamination of SSFL were released by the fire.

The fire did damage portions of the SSFL stormwater collection and treatment systems. According to the Los Angeles Regional Water Quality Control Board, which oversees management and control of stormwater at SSFL, The Boeing Company took actions to prevent ash, debris, and stormwater from leaving the SSFL site and to ensure that surface water runoff samples were collected in the event there was a discharge at any of the outfall sampling locations.

While DTSC has completed its data collection and analysis, several Response Team members are still waiting for validation of some of their laboratory data. In the interest of contributing to this interim report, the Response Team members have provided summaries and conclusions based on their available, validated data and results. Once

all their data has been validated and received, DTSC will incorporate the remaining data and issue an updated final report.

This report includes:

- A description of the role and work performed by members of the Response Team in assessing the impact of the Woolsey Fire on SSFL
- A description of the methods and tools used for data collection
- Summaries of the measurements, sampling data, and dates and locations where data were collected
- Response Team analyses conducted to evaluate potential impacts
- Maps showing sample data locations and the Woolsey Fire burn area in relation to SSFL
- All data from soil, ash and air samples collected at SSFL and in surrounding communities (provided in attachments to the report).

BACKGROUND

Woolsey Fire

The Woolsey Fire started on Thursday, November 8, 2018. Per the California Department of Forestry and Fire Protection Incident Information Report,[1] as of 6:11 p.m. November 21, the fire was 100 percent contained after having burned 96,949 acres, destroyed 1,500 buildings and damaged 341 structures in Ventura and Los Angeles counties. The area affected by the fire is shown on Figure 1.

Santa Susana Field Laboratory

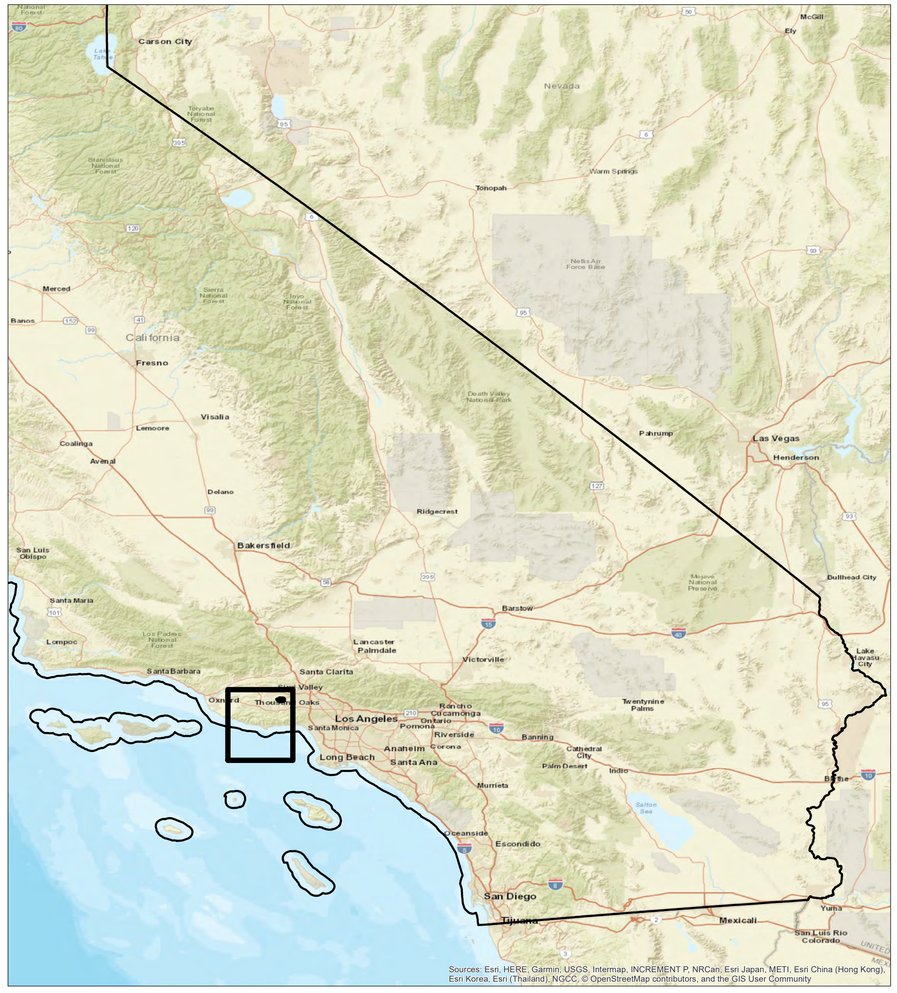
SSFL covers approximately 2,850 acres located in Ventura County (Figure 1). The site, also referred to as the Rocketdyne facility, operated from 1948 until 2006, and was used for rocket engine testing and nuclear power research and development. The past activities have left chemical and radionuclide contamination in the soil and groundwater at SSFL. The parties responsible for the cleanup of this contamination are The Boeing Company (Boeing) (which owns the majority of the site), U.S. Department of Energy (DOE), and National Aeronautics and Space Administration (NASA). DTSC is the lead state agency overseeing the SSFL cleanup. The majority of radionuclide contamination at SSFL is in a portion of SSFL identified as Area IV. There is no active storage of radioactive or chemical hazardous waste at SSFL.

[1] http://cdfdata.fire.ca.gov/incidents/incidents_details_info?incident_id=2282

DTSC

CAL EPA

LOCATION MAP



Miles

0 30 60 120 180 240

Figure 1

Location map

Created by: W. Martinez
Date: 11/30/2018

DTSC ACTIVITIES

Response Work

On Thursday, November 8, 2018, the Woolsey Fire burned portions of SSFL. Shortly after the fire had moved through the site, DTSC emergency responders reached out to local responders who reported the fire did not affect facilities that had handled radiological material or hazardous wastes (see photos in Appendix B). However, because the Woolsey Fire burned portions of SSFL, the nearby community was alarmed by the possibility of radionuclides and hazardous chemical waste from SSFL migrating off site in the fire's smoke and ash. Subsequent to the fire, the community also expressed concerns about contaminants being washed off SSFL into the local drainages.

DTSC assessed the potential chemical and radiological hazards associated with SSFL and developed a list of potential contaminants of concern for sampling based on the historic activities at SSFL. The list included radionuclides, metals, volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs). In the following days DTSC performed rapid detection for potential releases of radiation and hazardous compounds, and verified the results by collecting soil, ash, and air samples for laboratory analysis.

Beginning Friday, November 9, DTSC requested and coordinated assistance from the Response Team to assess the impacts of the fire on SSFL. In addition to DTSC, the expanded Response Team included:

- California Environmental Protection Agency (CalEPA)
- CalEPA Office of Environmental Health Hazard Assessment (OEHHA)
- California Department of Public Health (CDPH)
- U.S. Environmental Protection Agency (U.S. EPA) Emergency Response Team
- U.S. Department of Energy (DOE) Radiologic Assistance Program from Lawrence Livermore National Laboratory (LLNL)
- DOE National Nuclear Security Administration (NNSA) Consequence Management Home Team
- 9th Civil Support Team (9th CST) of the California National Guard
- Los Angeles County Department of Public Health (LACDPH) Radiation Management Program, and
- Other agencies from the counties of Los Angeles and Ventura

The Response Team also worked closely with the California Office of Emergency Services Incident Command, local law enforcement, and air quality agencies.

The NNSA Home Team performed a preliminary computer simulation to estimate the total potential inhalation exposure risk from radionuclides found at SSFL. The model was run and assumed that the maximum SSFL soil contamination measurement for each radionuclide was present in the soil in order to calculate the amount released by

the fire. The simulation indicated that even using the maximum radionuclide concentration to estimate the amount of radionuclide being released, the off-site impacts would be over 1 million times lower than U.S. EPA levels of concern. The Response Team considered the simulation when designing the field sampling plan to identify areas where any off-site concentrations would be greatest.

DTSC took samples at SSFL and in other areas off-site to ensure wide coverage of nearby residential communities. Sample locations are shown on Figure 2, and sample information is presented in Table A-1 (Appendix A). The DOE Radiological Assistance Program (RAP) Team and 9th CST collected field measurements and conducted sampling for radionuclides and chemicals, respectively, at locations co-located with DTSC sampling efforts. Table A-2 (Appendix A) presents a summary of the locations where sampling was conducted by DTSC, RAP, and the 9th CST at the same location.

Overview of Measurements, Sampling, and Monitoring Work

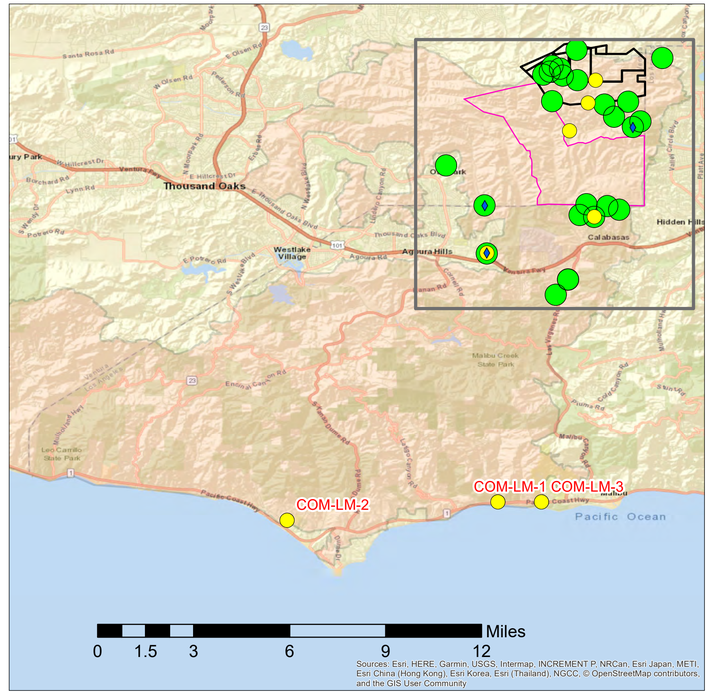
DTSC performed rapid detection for potential releases of hazardous constituents with real-time measurements using portable instruments. Radiation can be assessed in real time using handheld instruments called radiologic meters. Similarly, handheld instruments called X-ray fluorescence (XRF) analyzers provide real-time measurements of various metals. Handheld devices are generally referred to as screening instruments. Screening samples are often followed up by the collection of samples that are sent to a laboratory for further analysis. DTSC made field measurements using handheld instruments at all locations and collected 36 physical samples of air, soil, and ash. The physical samples were sent to DTSC's Environmental Chemistry Laboratory (ECL) for chemical analysis.

More sophisticated mobile instruments, typically installed in specially equipped vans, can also be used to measure radionuclides, VOCs, and metals. DTSC requested support from members of the Response Team to provide analysis with mobile instruments.

On Saturday, November 10, as soon as access to SSFL was possible, DTSC investigators entered the site and verified the November 8 assessment that the fire had not burned facilities that had managed radioactive and hazardous materials in Area IV. Specifically, the fire did not extend to the former Radioactive Materials Handling Facility, Hazardous Waste Treatment Facility, Sodium Reactor Experiment area, or other buildings in that area (see pictures attached in Appendix B). Power lines and poles were down across much of the site. The DTSC investigators used portable instruments to take real-time readings of radiation and did not detect any radiation above normal background levels during their visit to the site.

DTSC scientists and investigators also took real-time measurements for radiation and hazardous materials, and collected soil, ash, and air samples from November 11 to 14. The field measurements and sampling occurred on SSFL and off site in the surrounding and downwind communities of Woolsey Canyon, Bell Canyon, Calabasas, Oak Park, Agoura Hills, and Malibu. Sample location were selected based on proximity of

MEASUREMENT LOCATIONS
DTSC Soil, Ash and Air Sampling



NOTE:
Fire perimeter layer from Los Angeles County GIS Data Portal: Fire Perimeter (updated 11/18/18).

Legend

- Air
- Ash
- Soil
- Field Measurement (Rad Monitor, XRF)
- Santa Susana Field Laboratory
- Fire Perimeter (LA Co, 11/18/2018)
- Upper Las Virgenes Canyon Open Space Preserve

Figure 2

DTSC Map of Woolsey Fire Response Features

Created by: W. Martinez
Date: 11/30/2018

residential areas to SSFL and the ability to access the areas. The name, location, and type of the 36 samples collected are presented in Table A-1. The sample locations are shown on Figure 2.

Chemical results for soil and ash were compared against U.S. EPA residential screening levels (Table A-3). Arsenic results were compared against the natural background levels found in the surrounding area. The U.S. EPA residential screening levels can be used to determine if further investigation is needed and are based on a long-term 26-year exposure scenario, not on a single time exposure event. Use of these screening levels is appropriate because the soil and ash may remain in place for some time and a long-term exposure screening levels provide a more reasonable estimate of risk.

The chemical results for the three air samples DTSC analyzed, were also compared to the U.S. EPA residential screening levels. Again, the screening levels assume a long-term (26 year) exposure to the chemicals in the air. Given the transient nature of fires, use of the U.S. EPA screening levels is extremely protective of human health exposure, because the community is not exposed to that smoke for a long (multiple years) period of time.

Real-Time Measurements – Instruments Used and Results

DTSC used Ludlum Model 19 portable radiologic meters to look for gamma radiation. These are sensitive instruments that measure gamma levels as low as a few microrem per hour (µR/hr). For fire recovery work, DTSC's industrial hygienists recommend DTSC staff use a safety-based action level of 200 µR/hr.

DTSC screened seven SSFL sample locations, and 25 of 26 sampling locations in the communities of Agoura Hills, Bell Canyon, Calabasas, Thousand Oaks, and West Hills, for radiation. The portable radiologic meters were turned on and operating for the full duration of each field inspection, including while driving on the site and in communities around the site where the samples were taken. All readings were within normal background levels. Discrete measurements of soil and ash were below 40 µR/hr, well below the safety based action level, with an average between 15 and 20 µR/hr. The results of the DTSC discrete gamma radiation measurements of soil and ash are presented in Table A-4 (Appendix A).

In addition, DTSC used portable XRF analyzers to screen for metals in the same communities. XRF testing is a non-destructive testing technique, meaning multiple analysis can be made on the same sample, or the sample can be sent to a fixed laboratory for analysis following XRF screening. The XRF screening results (Table A-5) showed six samples with potential cobalt readings above U.S. EPA residential screening levels (Table A-3), and one sample reading detecting mercury slightly above U.S. EPA residential screening levels. Additional XRF readings were taken from the same sample, and did not detect any mercury.

A single result that exceeds a screening level does not mean a cleanup is needed; it could mean additional evaluation and analysis is required. All the XRF screened soil samples were sent to ECL for analysis. The laboratory analysis did not show elevated levels of cobalt or mercury. All the remaining XRF samples showed no elevated levels other than materials normally present in the background, or after a fire.[2]

All analytical laboratory results (including the XRF samples with the cobalt and mercury readings mentioned above) were below U.S. EPA residential screening levels. The laboratory results for one ash sample measured 87 parts per million (ppm) of lead, slightly above the DTSC residential screening level of 80 ppm but well below the U.S. EPA residential screening level of 400 ppm.[3] The sample with the 87ppm lead was located in Malibu, a significant distance from SSFL.

Laboratory Verification – Samples Collected and Results

To verify real-time screening levels measured on and around SSFL following the Woolsey Fire, DTSC collected 36 discrete samples, including air, soil and ash samples, from 33 locations. Sample locations covered a wide area on site and in the nearby communities. Eight of the 33 sample locations were on SSFL and 25 sample locations were in surrounding communities. The three air sample locations were also soil/ash sample locations.

Table 1 below presents the sample communities and number of air and soil or ash samples collected. The sample locations are shown in Figure 2.

Table 1: Community and Number of DTSC Samples

Community	SAMPLES		
	Air	Soil/Ash	Field Screened (XRF or Rad)
SSFL		8	8
Ventura County (Bell Canyon)	1	8	8
Los Angeles County (Woolsey Canyon)		1	1
Agoura Hills	2	3	3
Ventura County (Oak Park)		1	1
Calabasas		9	9
Malibu		3	3
Total	3	33	33

[2] Metals such as aluminum, cadmium, iron, magnesium, manganese, and zinc are often present after fires. Lead may also be present when fires burn materials coated with lead-based paint. Elevated lead levels may also be found in soil because of historical use of leaded gasoline, lead in paint and plumbing, and prior industrial emissions.

[3] The single sample location with the 87 ppm of lead was found in a sample located in Malibu.

The sample collection procedures and locations were documented. A chain-of-custody form was used to document sample control from the field to the laboratory. This provides a mechanism for tracking samples through collection, processing, and analysis. The 36 samples DTSC collected were submitted to the ECL for analysis. The physical sampling included: air samples in Summa canisters, soil samples in sample jars, and ash samples in sample jars.

ECL is nationally recognized and serves as the reference laboratory for the certification of environmental testing laboratories throughout the state. The ECL analyzed 33 soil and ash samples for hazardous compounds including metals, PCBs, PAHs, dioxins, and furans.

Metals Analysis

Normal metals analysis includes 17 metals. This analysis includes metals that are associated with contamination at SSFL. The metals analyzed include:

- antimony
- arsenic
- barium
- beryllium
- cadmium
- chromium
- cobalt
- copper
- lead
- molybdenum
- nickel
- selenium
- silver
- thallium
- vanadium
- zinc
- mercury

Laboratory Results for Metals: All the arsenic samples were below the local background levels. The remaining metals results were below their respective U.S. EPA residential screening levels (see Table A-3). There was one lead result at 87.2 mg/kg – the only value above OEHHA's 80 mg/kg screening value – but below the U.S. EPA residential screening level. Laboratory metals results are presented in Table A-6. DTSC also had ECL run a Waste Extraction Test (WET) for metals to assess the material for hazardous waste levels. None of the material was at hazardous waste levels. The WET results are provided in Table A-7.

PCB Analysis

PCBs are a group of compounds that share a similar chemical structure. Their name describes the chemical similarity, in that they all have polychlorinated biphenyl components. The different members of the group of PCBs are called Aroclors and are referred to by number. The key PCBs found on SSFL are Aroclor 1254 and 1260. The analytical method DTSC used analyzed for seven PCB Aroclors and includes the Aroclors found at SSFL. The PCB Aroclors analyzed include:

- Aroclor 1016
- Aroclor 1221
- Aroclor 1232
- Aroclor 1242
- Aroclor 1248
- Aroclor 1254
- Aroclor 1260

Laboratory Results for PCBs: All the sample results were non-detect (detection level of 1 ug/kg) and below U.S. EPA residential screening levels (see Table A-3). The PCB Aroclor laboratory results are presented in Table A-8.

PAH Analysis

PAHs are a group of compounds that share a similar chemical structure. Their name describes the chemical similarity, in that they all have polyaromatic hydrocarbon components. The different members of the group of PAHs have individual chemical names. The analytical method analyzes for individual PAHs. The analysis includes the PAHs associated with SSFL. The 16 individual PAHs analyzed include:

- acenaphthene
- acenaphthylene
- anthracene
- benzo(a)anthracene
- benzo(a)pyrene
- benzo(b)fluoranthene
- benzo(g,h,l)perylene
- benzo(k)fluoranthene
- chrysene
- dibenzo(a,h)anthracene
- fluoranthene
- fluorene
- indeno(1,2,3-c,d)pyrene
- naphthalene
- phenanthrene
- pyrene

Laboratory Results for PAHs: None of the samples were found to have concentrations of any PAH analytes above their respective U.S. EPA residential screening levels. PAH laboratory results are presented in Table A-9.

VOC Analysis

In addition, DTSC collected air samples from three locations on November 13 and analyzed them for the presence of 82 individual VOCs. A complete list of the VOCs analyzed can be found in Table A-10. The purpose of the air sampling was to assess the potential for contaminants associated with SSFL to be in the air. The major VOC associated with SSFL is the solvent trichloroethylene.

Laboratory Results for VOCs: The analytical results for 82 individual VOCs in each of three air samples (a total of 246 discrete results) were compared to the U.S. EPA residential screening levels. Trichloroethylene was not detected in any sample. All results for 78 individual VOCs (that is, for 234 samples) were below their respective U.S. EPA residential screening levels. As discussed above, comparison of transient air samples to U.S. EPA residential screening levels are extremely protective of public health, since the screening levels are not single time exposure value, but rather based on the assumption that a person would be breathing air with that concentration of chemical for 26 years. The four VOCs that exceeded their respective screening levels were, acrolein, benzyl chloride, 1,2-dibromoethane, and hexachlor-1,3-butadiene. Neither acrolein or benzyl chloride were found on SSFL and the acrolein values are within the mean ambient air value measured in Simi Valley[4] and stations in the Los Angeles air basin.

The laboratory VOC results are presented in Table A-10.

[4] California Air Resources Board Annual Toxics Summary, https://www.arb.ca.gov/adam/toxics/sitepages/acrousimi.html

Dioxin Analysis

Soil and ash samples were also analyzed for dioxins and furans. Dioxins and furans are chemicals that can form when compounds that contain chlorine are burned, and are often created during wildfire events. Chlorinated compounds are used in many products and can be found in such common items as irrigation piping, plastics, and chlorinated solvents in products such as glues, spot removers, spray cleaners, water repellents, spray paints, paint strippers, and automotive products. Chlorinated solvents are also used in many industrial applications. Eleven samples were analyzed for dioxins and furans, and the locations are provided in Table A-11. Two samples were collected on SSFL and nine samples were collected from the surrounding neighborhoods.

Laboratory Results for Dioxins: Of the 11 samples analyzed for dioxin and furans, results of nine samples, including both samples taken at SSFL site, were below the U.S. EPA residential screening levels. Results of the two remaining samples (MVE-LS1 and MVE-LS2), which were both taken off site near residential areas and in relatively close proximity, exceeded the U.S. EPA residential screening levels by two to three times. The specific characteristics of these two soil samples indicate the dioxins measured in these samples resulted from the fire burning chlorinated compounds in the immediate area, and not related to SSFL. The basis for DTSC's statement is that these two discrete soil samples were in relatively close proximity to each other, and both samples indicated elevated levels of a specific dioxin and specific furans (see Table A-12).

All other samples and measurements by DTSC showed no dioxins or furans above screening levels. DTSC's sampling dioxin and furan results are provided in Table A-12.

Analyses and results prepared by other members of the Response Team are summarized below.

Conclusions of DTSC Analyses

Based on DTSC's sampling results discussed above, all the measurements and analyses indicate that no measurable radiation or hazardous materials associated with SSFL contamination were released by the fire. Soil and ash sample results showed no chemical results emanating from SSFL. The two samples with dioxin above U.S. EPA risk screening levels are proximate to each other and the results suggest a localized source for the dioxins, and not directly related to SSFL. The single lead exceedance is located far from SSFL and the lack of spatial continuity and distribution does not allow the single lead result to be tied back to SSFL.

DTSC did not find any data that would indicate a release of contaminants from SSFL as a result of the fire, or a risk other than the risks normally posed by wildfires and wildfire smoke. All evaluations showed no off-site impacts other than those normally resulting from wildfires.

Other Agencies' Sampling and Monitoring Activities

In addition to DTSC, other members of the Response Team also took measurements and analyzed samples. The Response Team took measurements and samples for radiation and hazardous compounds from November 11 to 14 on the SSFL site and off site, primarily in Bell Canyon, although sampling also occurred in Calabasas. LACDPH's Radiation Management Program staff also conducted air monitoring at Fire Station 75 and Fire Station 106 in Box Canyon.

Although no elevated radiation levels had been detected, in an abundance of caution U.S. EPA placed radiation monitoring units in off-site locations in Chatsworth, Canoga Park, Agoura Hills, and Thousand Oaks, as well as monitoring at SSFL and at the Incident Command Post in Camarillo. U.S. EPA did not measure any elevated readings above background levels.

Response Team members who conducted sampling and monitoring and who provided their data to DTSC for this report are:

- U.S. EPA Emergency Response Team
- DOE Radiologic Assistance Program from LLNL
- 9th CST of the California National Guard
- LACDPH RMP and other agencies from the counties of Los Angeles and Ventura

The Response Team worked closely with the California Office of Emergency Services Incident Command Post, local law enforcement, and air quality agencies. In addition, the SSFL DOE-Energy Technology Engineering Center provided SSFL air sample data collected during the fire.

The Response Team collected both air and soil/ash samples. Eight soil/ash sample locations were located on SSFL. Twenty-five soil/ash locations were sampled in communities around SSFL. See Appendices C, D, and E for Response Team sampling results. Team members also used handheld devices to assess whether contaminants not normally associated with fires were present at SSFL and in communities around the site. Table 2 (next page) summarizes the number and types of samples collected by each Response Team member.

Table 2: Response Team Samples

Agency	Air Samples (Chemical)	Air Sample Locations (Radiological)	Soil/Ash Samples
DTSC	3	0	33
DOE RAP Team (analysis by LLNL)	0	14 (6 locations on SSFL, 8 locations in the communities)	19
9th CST	6	0	6
LA CDPH-RMP	0	2	11
U.S. EPA Radiological Emergency Response Team	0	6 locations	0
Total	9	Multiple samples were taken at the same location	69

In addition, air samplers located adjacent to DOE buildings in SSFL's Area IV, collected data on radionuclide levels during the fire. The results collected during the fire did not exceed air sample results from before the fire. (Appendix F). The U.S. EPA radiological air sample measurements are equivalent to the exposure rate measurements at the background location, and exposure rates to the public were at background levels.

Several of the Response Team members are still waiting for validated laboratory data. In the interest of producing this interim report, the Response Team members have provided summaries and conclusions based on their available, validated data. These summaries appear below as they were provided by the Response Team members. Once all their data has been validated and received, DTSC will update this report to incorporate the data and issue a final report.

U.S. Environmental Protection Agency

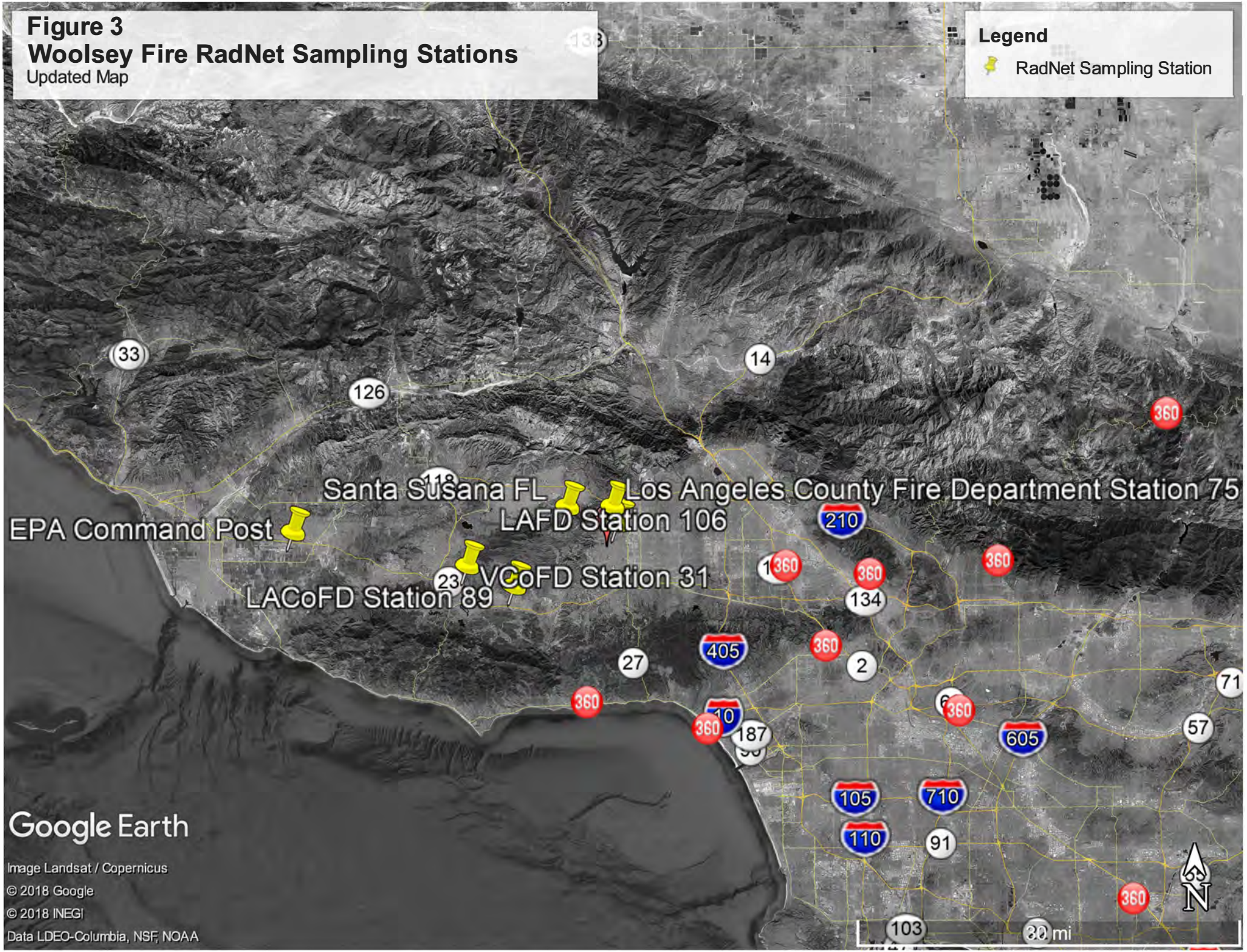
CalEPA and DTSC requested U.S. EPA support to help DTSC collect air samples in conjunction with the Woolsey Fire. U.S. EPA set out six RadNet air sampling stations, shown on Figure 3. The locations include one sampler on SSFL and five in the neighboring communities. The U.S. EPA conclusion are below.

The purpose of this memo is to transmit our findings pertaining to the gamma exposure rate monitoring conducted by U.S. EPA's Radiological Emergency Response Team (RERT) between November 14 and 24. U.S. EPA's review does not account for the air filter sampling. Data from that activity is under active analysis and review by U.S. EPA selected laboratory. Below we have provided summaries of monitoring methods, data assessment, and review findings for the gamma exposure rate monitoring.

Methods

On November 14, 2018, five RadNet deployables were set up at five locations in Ventura and Los Angeles counties, including one background location and four locations downwind of SSFL. The background location was established at the Incident Command Post and the remaining locations were at fire stations selected by the state of

Figure 3
Woolsey Fire RadNet Sampling Stations
Updated Map



California. All five deployables were set up to collect exposure rate data every 15 minutes using Geiger-Mueller probes and to collect four-inch air filter samples using a high-volume air sampler. Originally, monitoring and sampling were to be performed over 12 hours, but due to logistical constraints sampling and monitoring periods were extended to one day. Monitoring data from the deployables was submitted to the National Center for Radiation Field Operations for quality control review. Following that review, the findings and data were submitted to U.S. EPA Region 9 (Region 9). Due to technical issues with exposure rate monitoring (see below), RERT field teams replaced all five deployables with high-pressure ion chambers (HPIC) and high-volume air samplers on November 18. The sampling periods for the HPICs and air samplers remained the same. Monitoring data from the HPICs was reviewed in the field, and following review the data was submitted to Region 9. Quality Control reviews are documented in the field log books.

HPICs can detect down to background rates of approximately 6.7 µR/hr, based on most current calibration files for RERT HPICs. Detection limits are similar for the Geiger-Mueller DOE probes. The operation of these instruments was performed in accordance with National Center for Radiation Field Operations standard operating procedures and guides.

Data Assessment

All data sets were evaluated for data representativeness and quality. Upon our consideration of the representativeness and quality, we excluded the following RadNet gamma exposure rate monitoring data sets:

- All monitoring data from Data Rate Monitors (DRMs) 14 and 15, because data was not representative of the sampling period.
- All monitoring data from DRM 16, except for data between November 16-17. Data was not representative and/or had significant error codes reported for the other dates.

All other data sets from the RadNet deployables, specifically DRMs 35 and 36, were considered acceptable. HPIC data reviews to date have found no data representativeness or data quality issues.

Preliminary Findings

U.S. EPA's review of the data shows that exposure rate measurements collected in Ventura and Los Angeles counties are equivalent to the exposure rate measurements at the background location. Thus, exposure rates to the public are at background levels.

U.S. Department of Energy/National Nuclear Security Administration, Office of Nuclear Incident Response

On November 9, DTSC requested assistance from DOE's Office of Nuclear Incident Response, through Region 7 of that office's RAP Team. The team was to assess the

potential for transport of residual radiological contamination from SSFL to the surrounding community due to the Woolsey Fire. This request was in response to heightened concern expressed by that community on social media. A Response Team led by the Regional Program Manager was dispatched in support of DTSC. Based on an initial assessment of state needs, additional technical support was activated to support the deployed team.

On November 9, support was provided in the form of a predictive model of the potential for off-site transport of materials due to the fire. The modeling results showed that if any migration had occurred, the maximum off-site concentrations would be over 1 million times lower than U.S. EPA levels of concern.

To validate the results predicted by the model, DTSC identified areas within the SSFL site boundary (on site) and in the surrounding community (off site) at which environmental measurements and samples for further analysis should be taken. By November 13, the RAP team had taken over 50 environmental measurements assessing ambient radiation levels while also collecting samples of soil materials and airborne materials all at 12 discrete locations (six on site and six off site). After a review, it was determined that all results were consistent with natural background radiation levels.

In addition, 14 on-site samples (six air and eight soil samples) and 17 off-site samples (eight air and nine soil) were collected.

All samples were analyzed at LLNL. Sample and measurement results were reviewed and assessed by scientists at LLNL, Sandia National Laboratory, and Remote Sensing Laboratory. Results for all but two of the samples were consistent with naturally occurring radioactive materials. One sample taken on site showed trace quantities of cesium 137, which has been assessed as consistent with what would be found due to low levels of worldwide fallout from atmospheric weapons testing. A second sample taken off site in the Bell Canyon area showed slightly elevated alpha and beta activity relative to other off-site samples. Gamma spectroscopy of this sample showed nothing that could be attributed to residual radioactivity from the Santa Susanna site, but reanalysis of this sample confirmed the slight elevation in gross alpha and beta activity. Follow-up analysis performed at LLNL and additional sampling conducted by LACDPH-RMP in this location indicate the presence of elevated levels of naturally occuring radioactive materials.

U.S. Department of Energy, Energy Technology Engineering Center (ETEC) SSFL Air Sampling Results

The DOE-ETEC collects air samples for radionuclides for their portion of SSFL. Air monitoring results from DOE stations are normally produced and published on a quarterly basis. DOE provided a short report that provides some of the data generated since the last quarterly report, and prior to the fire event on November 8. (Appendix F)

The samples are analyzed on-site for gross alpha and gross beta radioactivity. The gross alpha and gross beta data sum the contribution from all alpha and beta-emitting radionuclides. Data for individual radionuclides is obtained by sending the samples to an off-site laboratory. Because the data for individual radionuclides is not yet available, the results of the gross alpha and gross beta samples were compared to the individual radionuclides with the lowest environmental effluent limits as listed in the U.S. Nuclear Regulatory Commission's (USNRC) Standards for Protection from Radiation. The data was compared to the USNRC's effluent limits because they are independent from the U.S. Department of Energy.

On November 21, the ETEC reported that all sample results were less than their analytical minimum detectable concentration (MDC).

9th Civil Support Team, California National Guard

CalEPA and DTSC asked the 9th Civil Support Team (9th CST) to provide support to DTSC to collect air and soil samples in conjunction with U.S. DOE's off-site radiation sampling efforts at Bell Canyon. The 9th CST deployed a mobile monitoring unit equipped with instruments that would provide real-time or nearly real-time analytical results for VOCs. Samples were also sent to LLNL for analysis.

Air and soil samples were analyzed using gas chromatography-mass spectrometry and Honeywell MultiRae Pro detectors. The FLIR Instantaneous Biological Analyzer and Collector 1 and Research International's Smart Air Sampler System 3100 were used for filtered air analysis.

The 9th CST took six air and soil samples from six locations. One air sample and soil sample were collected on November 11 and five samples were collected on November 13. Evacuations due to the fire did not allow for sampling on November 12.

The sampling locations included:

- Bell Canyon Road, West Hills: 34.20612 / -118.66960 (latitude/longitude)
- Saddlebow Road, Bell Canyon: 34.21525 / -118.70973 (latitude/longitude)
- Coolwater Road, Bell Canyon: 34.21486 / -118.67586 (latitude/longitude)
- Wagon Lane, Bell Canyon: 34.21422 / -118.69343 (latitude/longitude)
- Marlboro Lane, Bell Canyon: 34.21363 / -118.68617 (latitude/longitude)
- Hackamore Lane, Bell Canyon: 34.20920 / -118.68182 (latitude/longitude)

The 9th CST reported that the analysis for the air and soil samples showed no significant findings, and concluded that there are no expected current or future health effects relating to the findings provided by the analytical laboratory.

LA County Department of Public Health Radiation Management

The Los Angeles County Department of Public Health's Radiation Management staff conducted air monitoring at Fire Station 75 and Fire Station 106 in Box Canyon.

The Los Angeles County Radiation Management program, under the direction and authority of the CDPH Radiologic Health Branch, conducted a radiation survey in Bell Canyon in response to an elevated reading obtained from sampling and concerns about radiation associated with the SSFL decommissioning which may have been affected by the fire.

Sampling was performed between 10:30 a.m. and 1:30 p.m. November 19 at or near the Saddlebow Road location for the RAP Team's initial elevated radiation reading. Sampling consisted of the following:

1. Eight locations were topsoil samples, collected from 0 to 1" (3 locations were background samples)
2. Eight locations (same as topsoil locations) subsurface samples, collected from 1 to 6" (3 locations were background samples)
3. One ash sample
4. Survey measurements at all sample locations using alpha, beta, and low energy gamma probes
5. Nuclide identification using a lanthanum bromide (LaBr) detector in each sample location
6. Additional high-performance germanium (HPGe) nuclide identification in the vicinity of sampling locations

Collected samples were placed on the HPGe detector for initial screening and then prepared and shipped for overnight delivery to CDPH's State Drinking Water and Radiation Laboratory Branch for a full analysis. Laboratory results are expected to be available in December.

All nuclide identification on site in situ and sample screening indicate Naturally Occurring Radioactive Material (NORM) [Ra-226, K-40]. NORM is not regulated and is related to the natural topography of the land. The radiation levels are low, naturally occurring, and safe for the community. All preliminary data from the Bell Canyon sampling indicates that no radiation has migrated from SSFL to the Bell Canyon area.

Los Angeles County Regional Water Quality Control Board/Stormwater Management Actions

The Los Angeles Regional Water Quality Control Board (LARWQCB) has the authority to oversee the stormwater management and control at SSFL. The stormwater at SSFL is regulated under an LARWQCB Order (No. R4-2015-0033) and a stormwater discharge permit (National Pollutant Discharge Elimination System or NPDES Permit No. CA0001309).

On November 20, DTSC requested that Boeing, DOE, and NASA ensure the use of all appropriate measures to manage any potential soil and sediment migration from surface runoff water due to rain to ensure the protection of public health. DTSC was also in contact with LARWQCB. LARWQCB staff inspected SSFL on November 20 and

determined the Woolsey Fire damaged the piping used to transport collected stormwater around the SSFL site to the detention ponds. In addition, the Woolsey Fire damaged portions of the SSFL stormwater treatment system.

On November 21, LARWQCB issued a letter of concurrence with Boeing to take immediate short-term actions to prevent ash, debris, and stormwater from leaving SSFL site and to ensure that samples are collected in the event there is a discharge at any of the outfall sampling locations. The immediate response includes short-term actions such as:

- Removal of ash and sediment using a vacuum truck
- Installation of best management practices throughout SSFL, such as fiber rolls, hay bales, jute-style erosion control mats, and application of hydromulching to slopes

On November 29, Boeing reported that it has removed ash from the stormwater outfalls, removed burnt pipes, fabricated and replaced the pipes, repaired damaged equipment, and brought temporary generators and pumps on site to manage stormwater. LARWQCB is also working with Boeing to require further long-term actions under their regulatory oversight.

Appendix A – Data Collection Tables

Table A-1
DTSC Sample Name-Locations and Media Table
DTSC Woolsey Fire Investigation Activities
Ventura and Los Angeles Counties, California

Sample Name	Location	Media Sampled			Field Screening Performed		Sample Date/Time
		Soil	Ash	Air	XRF[1]	Radiation[2]	
SSFL-LS-1	SSFL		X		X		11/11/18 0928
SSFL-LS-2	SSFL	X			X	X	11/13/18 0825
SSFL-LS-3	SSFL	X			X	X	11/13/18 1020
SSFL-LS-4	SSFL	X			X	X	11/13/18 1120
SSFL-LS-5	SSFL	X			X	X	11/13/18 1140
SSFL-LS-6	SSFL	X			X	X	11/13/18 1155
SSFL-LS-7	SSFL	X			X	X	11/13/18 1237
SSFL-LS-8	SSFL	X			X	X	11/13/18 1305
WCR-LS-1	LA County (Woolsey Canyon)	X			X	X	11/13/18 1335
AIR-LS-01	Ventura County (Bell Canyon)			X			11/12/18 1102
BC-LM-15	Ventura County (Bell Canyon)	X			X	X	11/13/18 0802
BC-LM-16	Ventura County (Bell Canyon)		X		X	X	11/13/18 0920
BC-LM-17	Ventura County (Bell Canyon)		X		X	X	11/13/18 1028
BCP-LS-10	Ventura County (Bell Canyon)	X			X	X	11/12/18 1102
SCF-2500	Ventura County (Bell Canyon)	X				X	11/13/18 1015
SCF-30474	Ventura County (Bell Canyon)	X				X	11/11/18 1800
SCF-30476	Ventura County (Bell Canyon)	X				X	11/13/18 0815
SCF-30488	Ventura County (Bell Canyon)	X				X	11/13/18 0918
ACD-LS-6	Calabasas	X			X	X	11/11/18 1615
AEW-LS-7	Calabasas	X			X	X	11/11/18 1643
AEW-LS-8	Calabasas	X			X	X	11/11/18 1652
JBA-LS-9	Calabasas	X			X	X	11/11/18 1718
LHE-LS-5	Calabasas	X			X	X	11/11/18 1550
MVE-LS-1	Calabasas	X			X		11/11/18 1412
MVE-LS-2	Calabasas	X			X	X	11/11/18 1445
MVE-LS-3	Calabasas	X			X	X	11/11/18 1515
MVE-LS-4	Calabasas		X		X	X	11/11/18 1518
DP-LS-14	Ventura County (Oak Park)	X			X	X	11/12/18 1700
AIR-LS-02	Agoura Hills			X			11/12/18 1500
AIR-LS-03	Agoura Hills			X			11/12/18 1610
OAP-LS-11	Agoura Hills	X			X	X	11/12/18 1500
OAP-LS-12	Agoura Hills		X		X	X	11/12/18 1500
PCC-LS-13	Agoura Hills	X			X	X	11/12/18 1610
COM-LM-1	Malibu		X		X	X	11/14/18 1254
COM-LM-2	Malibu		X		X	X	11/14/18 1335
COM-LM-3	Malibu		X		X	X	11/14/18 1448
	Total	**25**	**8**	**3**	**29**	**31**	

1 XRF - X-ray Fluorescence (metals analysis)

2 Radiation measured using Ludlum Model 19 gamma microRem meter

Table A-2
Co-located Sample Locations
DTSC Woolsey Fire Investigation Activities
Ventura and Los Angeles Counties, California

Location	General Location/Address	DOE RAP[1]	DTSC	9th CST	Sample time/Date[2]
1	SSFL	31930/30263/31929	SSFL-LS-6	No Sample	11:55am/ 11/13/2018
2	SSFL	SCF-30465/SCF-30467/30466	SSFL-LS-5	No Sample	11:40am/ 11/13/2018
3	SSFL	SCF-30462/SCF-30463/SCF-30464	SSFL-LS-2	No Sample	8:25am/ 11/13/18
4	SSFL	SCF-30444	SSFL-LS-1	No Sample	9:28am/ 11/11/2018
5	Ventura County (Bell Canyon)	SCF-30460/SCF-30459/SCF-30473	SCF-30474	B239739 S/B239739 L	6:00pm/ 11/11/2018
6	Ventura County (Bell Canyon)	SCF-01430	BC-LM-15	B234501 S/B234501 A	8:02am/ 11/13/18
7	Ventura County (Bell Canyon)	SCF-30487	SCF-30476	B239374 S/B239374 A	8:15am/ 11/13/18
8	Ventura County (Bell Canyon)	SCF-30472/SCF-30469	BC-LM-16	B234506 S/B234506 A	9:20am/ 11/13/18
9	Ventura County (Bell Canyon)	No Sample	SCF-30488	B234502 S/B234502 A	9:18am/ 11/13/18
10	Ventura County (Bell Canyon)	SCF-30471/SCF01370/SCF-30489	SCF-2500	B233602 S/B233602 A	10:15am/ 11/13/18
11	Ventura County (Bell Canyon)	SCF-01337/SCF-30249	BC-LM-17	No Sample	10:28am/ 11/13/18
12[3]	Calabasas	SCF-30470	MVE-LS-2	No Sample	2:45pm/ 11/11/18

[1] Where there are co-located samples from one agency, the sample names are displayed here as 'Sample 1/Sample 2'

[2] etc. All sample dates and times were recorded by DTSC.

[3] Samples are approximately 1,000 feet apart and may not represent co-located samples for the purposes of this table.

Table A-3

U.S. EPA Regional Residential Screening Levels for Chemicals

https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables

DTSC Woolsey Fire Investigation Activities

Ventura and Los Angeles Counties, California

Metals	
Chemical	**RSL (mg/kg)**
Antimony-Sb	31
Arsenic[1]-As	27
Barium-Ba	15000
Beryllium-Be	160
Cadmium-Cd	71
Chromium[2]-Cr	120000
Cobalt-Co	23
Copper-Cu	3100
Lead-Pb	400
Molybdenum-Mo	390
Nickel-Ni	820
Selenium-Se	390
Silver-Ag	390
Thallium[3]-Tl	0.78
Vanadium-V	390
Zinc-Zn	23000
Mercury - Hg	11

PAHs	
Chemical	**RSL (mg/kg)**
Acenaphthene	3600
Acenaphthylene	
Anthracene	18000
Benzo(a)anthracene	1.1
Benzo(a)pyrene	11
Benzo(b)fluoranthene	0.42
Benzo(g,h,I)perylene	
Benzo(k)fluoranthene	11
Chrysene	110
Dibenzo(a,h)anthracene	0.11
Fluoranthene	2400
Fluorene	2400
Indeno(1,2,3-c,d)pyrene	1.1
Naphthalene	3.8
Phenanthrene	
Pyrene	1800

1 - Arsenic- Local background used instead of RSL (0.68)

2 - Based on Chromium^{3+}

3 - Based on lower valence state

Poly-chlorinated Biphenyl (PCB)	
Aroclor	**RSL (ug/kg)**
Aroclor 1016	4100
Aroclor 1221	200
Aroclor 1232	170
Aroclor 1242	230
Aroclor 1248	230
Aroclor 1254	240
Aroclor 1260	240

Table A-4
Radiation Meter (Ludlum model 19) Measurements
DTSC Woolsey Fire Investigation Activities
Ventura and Los Angeles Counties, California

Sample Location	Location	Ludlum Reading (in µrem/hr)
SSFL-LS-1	SSFL	N/A
SSFL-LS-2	SSFL	15-18
SSFL-LS-3	SSFL	15-18
SSFL-LS-4	SSFL	15-18
SSFL-LS-5	SSFL	15-18
SSFL-LS-6	SSFL	15-18
SSFL-LS-7	SSFL	15-18
SSFL-LS-8	SSFL	20
WCR-LS-1	LA County (Woolsey Canyon)	15-20
AIR-LS-01	Ventura County (Bell Canyon)	N/A
BC-LM-15	Ventura County (Bell Canyon)	40
BC-LM-16	Ventura County (Bell Canyon)	40
BC-LM-17	Ventura County (Bell Canyon)	30
BCP-LS-10	Ventura County (Bell Canyon)	16
SCF-2500	Ventura County (Bell Canyon)	30
SCF-30474	Ventura County (Bell Canyon)	10
SCF-30476	Ventura County (Bell Canyon)	30
SCF-30488	Ventura County (Bell Canyon)	30
ACD-LS-6	Calabasas	18
AEW-LS-7	Calabasas	15-16
AEW-LS-8	Calabasas	13
JBA-LS-9	Calabasas	14
LHE-LS-5	Calabasas	13
MVE-LS-1	Calabasas	N/A
MVE-LS-2	Calabasas	15-25
MVE-LS-3	Calabasas	13-15
MVE-LS-4	Calabasas	13-15
DP-LS-14	Ventura County (Oak Park)	12
AIR-LS-02	Agoura Hills	N/A
AIR-LS-03	Agoura Hills	N/A
OAP-LS-11	Agoura Hills	12
OAP-LS-12	Agoura Hills	13
PCC-LS-13	Agoura Hills	14
COM-LM-1	Malibu	14
COM-LM-2	Malibu	10
COM-LM-3	Malibu	12

Table A-5
XRF Results Summary
DTSC Woolsey Fire Investigation Activities
Ventura and Los Angeles Counties, California

SAMPLE ID	Sample Date/Time	Units	Sb	As[1]	Ba	Be	Cd	Cr[2]	Co	Cu	Pb[3]	Mo	Ni	Se	Ag	Tl	V	Zn	Hg	Duration
RSL[4]		ppm	**31**	**27**	**15000**	**160**	**71**	**120,000**	**23**	**3100**	**80**	**390**	**820**	**390**	**390**	**0.78**	**390**	**23000**	**11**	
test	11/11/2018 11:10	ppm	< LOD	< LOD			< LOD	74.33	< LOD	50.69	19.36	8.8	< LOD	< LOD	< LOD		< LOD	379.21	< LOD	38.57
aewls8	11/11/2018 18:14	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	39.82	11.89	5.25	< LOD	< LOD	< LOD		< LOD	386.74	< LOD	26.12
jbals9	11/11/2018 18:41	ppm	< LOD	13.67			< LOD	< LOD	158.9	48.43	13.38	40.22	48.62	7	< LOD		< LOD	387.78	< LOD	30.5
jbals9	11/11/2018 18:46	ppm	< LOD	11.66			< LOD	< LOD	< LOD	30.46	9.79	< LOD	86.67	< LOD	< LOD		< LOD	399.57	< LOD	14.09
bcpls10	11/12/2018 12:36	ppm	< LOD	17.34			< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD		< LOD	408.79	< LOD	21.9
bcpls10	11/12/2018 12:38	ppm	< LOD	13.61			< LOD	< LOD	< LOD	24.6	21.67	3.68	104.78	< LOD	< LOD		< LOD	368.04	< LOD	22.08
bcpls10	11/12/2018 12:39	ppm	< LOD	12.08			< LOD	< LOD	< LOD	32.98	22.53	7.29	< LOD	< LOD	< LOD		< LOD	401.3	< LOD	21.64
bcpls10	11/12/2018 12:39	ppm	< LOD	16.52			< LOD	< LOD	< LOD	33.33	16.11	< LOD	46.68	< LOD	< LOD		< LOD	388.58	< LOD	21.27
bcpls10	11/12/2018 12:40	ppm	< LOD	12.89			< LOD	< LOD	< LOD	22.32	15.15	< LOD	44.2	< LOD	< LOD		< LOD	396.5	< LOD	22.01
bcpls10	11/12/2018 12:41	ppm	< LOD	8.63			< LOD	< LOD	< LOD	21.91	15.03	7.28	57.29	< LOD	< LOD		< LOD	393.81	< LOD	21.24
bcpls10	11/12/2018 12:42	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	< LOD	14.62	< LOD	78.52	< LOD	< LOD		< LOD	383.57	< LOD	22.44
oapls11	11/12/2018 16:53	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	30.29	11.8	11.93	49.96	< LOD	< LOD		< LOD	381.07	< LOD	24.89
oapls11	11/12/2018 16:55	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	35.99	11.41	11.23	37.37	< LOD	< LOD		< LOD	411.15	< LOD	23.71
oapls11	11/12/2018 16:55	ppm	< LOD	7.25			< LOD	< LOD	< LOD	26.57	17.87	13.88	< LOD	< LOD	< LOD		< LOD	396.89	< LOD	23.72
oapls11	11/12/2018 16:56	ppm	< LOD	7.97			< LOD	< LOD	< LOD	26.71	14.08	11.23	< LOD	< LOD	< LOD		< LOD	405.65	< LOD	25.85
oapls11	11/12/2018 16:57	ppm	< LOD	8.25			< LOD	< LOD	< LOD	23.52	16.32	12.05	< LOD	< LOD	< LOD		< LOD	394.13	< LOD	22.95
oapls12	11/12/2018 17:00	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	70.29	< LOD	8.75	< LOD	< LOD	< LOD		< LOD	718.57	< LOD	23.21
oapls12	11/12/2018 17:04	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	< LOD	< LOD	4.1	< LOD	< LOD	< LOD		< LOD	820.39	< LOD	23.27
pccls13	11/12/2018 17:56	ppm	< LOD	8.72			< LOD	< LOD	< LOD	21.65	9.98	11.55	63.78	< LOD	< LOD		< LOD	387.78	< LOD	30.13
pccls13	11/12/2018 17:58	ppm	< LOD	14.95			< LOD	< LOD	< LOD	20.55	11.59	11.16	64.26	< LOD	< LOD		< LOD	384.55	< LOD	18.55
pccls13	11/12/2018 17:59	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	36.8	14.16	< LOD	86.24	< LOD	< LOD		< LOD	388.1	< LOD	12.95
pccls13	11/12/2018 17:59	ppm	< LOD	6.07			< LOD	< LOD	< LOD	< LOD	9.27	11.49	55.19	< LOD	< LOD		< LOD	406.77	< LOD	25.2
pccls13	11/12/2018 18:00	ppm	< LOD	9.6			< LOD	< LOD	< LOD	< LOD	15.23	11.99	49.41	< LOD	< LOD		< LOD	390.63	11.2	19.82
pccls13	11/12/2018 18:00	ppm	< LOD	11.83			< LOD	< LOD	< LOD	36.75	17.08	15.72	63.14	< LOD	< LOD		< LOD	389.42	< LOD	21.57
pccls13	11/12/2018 18:01	ppm	< LOD	12.09			< LOD	< LOD	< LOD	42.42	8.4	16.79	64.15	< LOD	< LOD		< LOD	386.02	< LOD	21.58
pccls13	11/12/2018 18:01	ppm	< LOD	12			< LOD	< LOD	< LOD	36.67	9.79	13.28	103.67	5.79	< LOD		< LOD	373.96	< LOD	21.78
pccls13	11/12/2018 18:03	ppm	< LOD	9.09			< LOD	< LOD	< LOD	32.98	11.84	9.7	83.79	< LOD	< LOD		< LOD	367.28	< LOD	21.61
pccls13	11/12/2018 18:03	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	32.94	17.05	12.26	54.34	< LOD	< LOD		< LOD	388.92	< LOD	22.11
dpls14	11/12/2018 18:43	ppm	< LOD	9.87			< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	84.56	< LOD	< LOD		< LOD	388.06	< LOD	23.2
ssflls2	11/13/2018 9:40	ppm	< LOD	< LOD			< LOD	669.9	238.3	47.42	14.47	5.62	< LOD	< LOD	< LOD		< LOD	375.46	< LOD	31.07
ssflls3	11/13/2018 11:12	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	18.96	17.46	< LOD	59.89	< LOD	< LOD		< LOD	373.43	< LOD	32.86
ssflls4	11/13/2018 12:37	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	52.42	25.04	< LOD	< LOD	< LOD	< LOD		< LOD	407.68	< LOD	30.63
ssflls5	11/13/2018 13:12	ppm	< LOD	6.06			< LOD	< LOD	< LOD	32	17.51	< LOD	29.98	< LOD	< LOD		< LOD	396.71	< LOD	30.05
ssflls6	11/13/2018 13:27	ppm	< LOD	8.46			< LOD	< LOD	< LOD	27.19	47.42	< LOD	123.47	< LOD	< LOD		< LOD	366.15	9.32	30.51
ssflls7	11/13/2018 13:53	ppm	< LOD	6			< LOD	< LOD	< LOD	32.06	17.9	2.64	28.91	< LOD	< LOD		< LOD	359.82	< LOD	30.37
ssflls8	11/13/2018 14:26	ppm	< LOD	6.98			< LOD	< LOD	< LOD	33.48	9.43	4.18	24.92	< LOD	< LOD		< LOD	375.99	< LOD	30.14
wcrls1	11/13/2018 15:02	ppm	< LOD	9.14			< LOD	< LOD	172.2	25.31	25.09	5.24	55.81	< LOD	< LOD		< LOD	387.45	< LOD	30.24
bc-lm-15	11/13/2018 12:06	ppm		9.13					< LOD	24.9	20.2	< LOD	33.17	< LOD				85.46	< LOD	30.3
bc-lm-16	11/13/2018 13:12	ppm		10.52					< LOD	18.65	37.19	4.75	27.69	< LOD				95.61	< LOD	30.03
bc-lm-17	11/13/2018 14:29	ppm		7.04				< LOD	< LOD	77.67	13.4	36.31	45.21	< LOD			< LOD	305.27	< LOD	30.68
comlm1	11/14/2018 16:54	ppm	< LOD	8.93			< LOD	< LOD	< LOD	139.37	< LOD	9.78	< LOD	< LOD	< LOD		< LOD	434.51	< LOD	37.61
comlm1	11/14/2018 16:58	ppm	< LOD	< LOD			< LOD	< LOD	118.6	126.08	13.04	9.42	53.69	< LOD	< LOD		< LOD	856.35	< LOD	30.51
comlm1	11/14/2018 17:00	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	132.7	13.46	10.57	< LOD	< LOD	< LOD		< LOD	1557.6	< LOD	30.85
comlm1	11/14/2018 17:01	ppm	< LOD	< LOD			< LOD	< LOD	140.2	117.69	9.2	9.43	38.01	< LOD	< LOD		< LOD	859.25	< LOD	30.21
comlm1	11/14/2018 17:03	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	150.07	7.53	12.72	27.8	6.62	< LOD		< LOD	421.6	< LOD	31.03
comlm2	11/14/2018 17:38	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	124.05	< LOD	7.39	56.18	< LOD	< LOD		< LOD	644.83	< LOD	30.44
comlm2	11/14/2018 17:39	ppm	< LOD	< LOD			< LOD	< LOD	115.8	96.97	14.22	5.35	68.02	< LOD	< LOD		< LOD	813.25	< LOD	30.6
comlm2	11/14/2018 17:40	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	139.46	6.79	12.26	32.43	< LOD	< LOD		< LOD	981.89	< LOD	30.04
comlm2	11/14/2018 17:42	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	105.69	7.2	6.58	39.44	< LOD	< LOD		< LOD	974.65	< LOD	30.25
comlm2	11/14/2018 17:45	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	129.14	8.21	8.79	38.7	< LOD	< LOD		< LOD	1281.4	< LOD	30.81
comlm3	11/14/2018 18:52	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	120.34	112.69	17.08	< LOD	< LOD	< LOD		< LOD	409.05	< LOD	31.06
comlm3	11/14/2018 18:53	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	84	90.76	15.59	39.33	< LOD	< LOD		< LOD	374.98	< LOD	30.72
comlm3	11/14/2018 18:55	ppm	< LOD	< LOD			< LOD	< LOD	82.73	115.56	75.33	9.87	79.47	< LOD	< LOD		< LOD	530.14	< LOD	30.91
comlm3	11/14/2018 18:57	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	130.55	181.11	8.24	64.88	< LOD	< LOD		< LOD	436.25	< LOD	30.64
comlm3	11/14/2018 18:58	ppm	< LOD	< LOD			< LOD	< LOD	< LOD	114.77	144.67	12.73	61.41	< LOD	< LOD		< LOD	527.39	< LOD	30.45

1 - Arsenic-As background used instead of RSL (0.68)
2 - Based on Cr3+
3 - U.S. EPA Risk Screening Level is 400ppm. DTSC screening level is 80 ppm.
4 - RSL - U.S. EPA Risk Screening Level, except for arsenic and lead
Barium (Ba), Beryllium (Be), and Thallium (Tl) not read by Instrument
LOD - Level of Detection
Instrument Used - Niton XL3 Analyzer

Table A-6
Metals Laboratory Results
DTSC Woolsey Fire Investigation Activites
Ventura and Los Angeles Counties, California

Authorization No.: 18SC0045
ECL No(s).: BC00768 - BC00828

ECL No.	BC00768-A			BC00769-A			BC00770-A			BC00771-A			BC00772-A			BC00773-A		
Collector's No.	SSFL-LS-1			SCF-30474			MVE-LS-1			MVE-LS-2			MVE-LS-3			MVE-LS-4		
Digestion Date	11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018		
Analysis Date	11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018		
Matrix Type	Ash/Soil			Soil/Gravel			Soil			Soil			Soil			Ash		
Units (mg/kg)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Antimony-Sb	ND	48.1		ND	47.4		ND	49.5		ND	50.0		ND	49.5		ND	50.0	
Arsenic-As	ND	48.1		ND	47.4		13.8	49.5		ND	50.0		ND	49.5		ND	50.0	
Barium-Ba	75.7	48.1		98.0	47.4		166	49.5		144	50.0		170	49.5		292	50.0	
Beryllium-Be	ND	48.1		ND	47.4		ND	49.5		ND	50.0		ND	49.5		ND	50.0	
Cadmium-Cd	ND	48.1		ND	47.4		13.9	49.5		ND	50.0		ND	49.5		ND	50.0	
Chromium-Cr	16.9	48.1		14.0	47.4		38.3	49.5		46.0	50.0		27.4	49.5		35.9	50.0	
Cobalt-Co	ND	48.1		ND	47.4		ND	49.5		ND	50.0		ND	49.5		ND	50.0	
Copper-Cu	10.3	48.1		19.0	47.4		48.1	49.5		36.3	50.0		26.0	49.5		32.6	50.0	
Lead-Pb	ND	48.1		17.3	47.4		ND	49.5		ND	50.0		ND	49.5		ND	50.0	
Molybdenum-Mo	ND	48.1		ND	47.4		15.2	49.5		10.8	50.0		ND	49.5		25.4	50.0	
Nickel-Ni	12.4	48.1		14.9	47.4		59.3	49.5		59.0	50.0		29.3	49.5		48.0	50.0	
Selenium-Se	ND	48.1		ND	47.4		ND	49.5		ND	50.0		ND	49.5		ND	50.0	
Silver-Ag	ND	48.1		ND	47.4		ND	49.5		ND	50.0		ND	49.5		ND	50.0	
Thallium-Tl	ND	48.1		ND	47.4		ND	49.5		ND	50.0		ND	49.5		ND	50.0	
Vanadium-V	27.8	48.1		25.8	47.4		47.1	49.5		42.0	50.0		29.0	49.5		36.7	50.0	
Zinc-Zn	48.2	48.1		58.5	47.4		119	49.5		95.9	50.0		64.4	49.5		84.8	50.0	
Mercury - Hg	0.024	99.7		0.022	94.6		0.052	93.5		0.071	94.6		0.032	93.0		ND	95.8	

Table A-6
Metals Laboratory Results
DTSC Woolsey Fire Investigation Activites
Ventura and Los Angeles Counties, California

ECL No.	BC00774-A			BC00775-A			BC00776-A			BC00777-A			BC00778-A			BC00779-A		
Collector's No.	LHE-LS-5			ACD-LS-6			AEW-LS-7			AEW-LS-8			JBA-LS-9			BCP-LS-10		
Digestion Date	11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/13/2018		
Analysis Date	11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/14/2018		
Matrix Type	Soil			Soil			Ash			Soil			Soil			Soil		
Units (mg/kg)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Antimony-Sb	ND	50.0		ND	49.8		ND	49.8		ND	49.8		ND	49.8		ND	49.8	
Arsenic-As	10.7	50.0		ND	49.8		ND	49.8		ND	49.8		ND	49.8		12.4	49.8	
Barium-Ba	163	50.0		337	49.8		293	49.8		78.2	49.8		133	49.8		112	49.8	
Beryllium-Be	ND	50.0		ND	49.8		ND	49.8		ND	49.8		ND	49.8		ND	49.8	
Cadmium-Cd	ND	50.0		ND	49.8		ND	49.8		ND	49.8		ND	49.8		ND	49.8	
Chromium-Cr	48.0	50.0		35.0	49.8		22.2	49.8		20.1	49.8		15.1	49.8		25.0	49.8	
Cobalt-Co	10.7	50.0		15.6	49.8		ND	49.8		ND	49.8		11.3	49.8		ND	49.8	
Copper-Cu	60.3	50.0		37.4	49.8		64.9	49.8		22.4	49.8		32.5	49.8		26.1	49.8	
Lead-Pb	11.5	50.0		ND	49.8		ND	49.8		ND	49.8		ND	49.8		13.8	49.8	
Molybdenum-Mo	13.4	50.0		13.0	49.8		12.4	49.8		ND	49.8		24.3	49.8		ND	49.8	
Nickel-Ni	85.2	50.0		40.2	49.8		ND	498		17.7	49.8		26.8	49.8		29.4	49.8	
Selenium-Se	ND	50.0		ND	49.8		ND	49.8		ND	49.8		ND	49.8		ND	49.8	
Silver-Ag	ND	50.0		ND	49.8		ND	49.8		ND	49.8		ND	49.8		ND	49.8	
Thallium-Tl	ND	50.0		ND	49.8		ND	49.8		ND	49.8		ND	49.8		23.3	49.8	
Vanadium-V	106	50.0		65.4	49.8		37.9	49.8		38.6	49.8		60.8	49.8		36.4	49.8	
Zinc-Zn	132	50.0		83.7	49.8		339	498		88.9	49.8		118	49.8		82.0	49.8	
Mercury - Hg	0.084	92.6		0.056	98.3		0.020	95.9		0.022	94.7		0.028	94.2		0.026	93.9	

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Metals Laboratory Results
DTSC Woolsey Fire Investigation Activites
Ventura and Los Angeles Counties, California

ECL No.	BC00780-A			BC00781-A			BC00782-A			BC00783-A			BC00787-A			BC00788-A		
Collector's No.	OAP-LS-11			OAP-LS-12			PCC-LS-13			DP-LS-14			SSFL-LS-2			SSFL-LS-3		
Digestion Date	11/13/2018			11/13/2018			11/13/2018			11/13/2018			11/14/2018			11/14/2018		
Analysis Date	11/14/2018			11/14/2018			11/14/2018			11/14/2018			11/15/2018			11/15/2018		
Matrix Type	Soil			Ash			Soil			Soil			Soil			Soil		
Units (mg/kg)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Antimony-Sb	ND	49.8		ND	50.0		ND	49.5		ND	49.8		ND	49.3		ND	50.0	
Arsenic-As	ND	49.8		ND	50.0		ND	49.5		ND	49.8		ND	148		ND	50.0	
Barium-Ba	114	49.8		127	200		121	49.5		33.9	49.8		94.8	49.3		77.6	50.0	
Beryllium-Be	ND	49.8		ND	50.0		ND	49.5		ND	49.8		ND	49.3		ND	50.0	
Cadmium-Cd	ND	49.8		ND	50.0		ND	49.5		ND	49.8		ND	49.3		ND	50.0	
Chromium-Cr	25.9	49.8		11.4	50.0		17.7	49.5		21.6	49.8		24.1	49.3		15.0	50.0	
Cobalt-Co	12.5	49.8		ND	50.0		ND	49.5		ND	49.8		ND	49.3		ND	50.0	
Copper-Cu	27.1	49.8		32.7	50.0		17.4	49.5		14.0	49.8		15.3	49.3		ND	50.0	
Lead-Pb	ND	49.8		ND	50.0		ND	49.5		ND	49.8		ND	49.3		ND	50.0	
Molybdenum-Mo	10.7	49.8		ND	50.0		ND	49.5		ND	49.8		ND	49.3		ND	50.0	
Nickel-Ni	37.6	49.8		17.4	50.0		25.9	49.5		20.0	49.8		14.7	49.3		10.3	50.0	
Selenium-Se	ND	49.8		ND	50.0		ND	49.5		ND	49.8		ND	49.3		ND	50.0	
Silver-Ag	ND	49.8		ND	50.0		ND	49.5		ND	49.8		ND	49.3		ND	50.0	
Thallium-Tl	31.9	49.8		ND	200		ND	99.0		ND	49.8		56.6	49.3		73.5	50.0	
Vanadium-V	57.2	49.8		23.5	50.0		58.8	49.5		20.4	49.8		42.8	49.3		27.7	50.0	
Zinc-Zn	84.1	49.8		312	200		47.2	49.5		40.6	49.8		66.0	49.3		46.9	50.0	
Mercury - Hg	0.039	98.9		ND	96.8		0.022	95.1		ND	99.9		0.023	99.0		ND	92.7	

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Metals Laboratory Results
DTSC Woolsey Fire Investigation Activites
Ventura and Los Angeles Counties, California

ECL No.	BC00789-A			BC00790-A			BC00791-A			BC00792-A			BC00793-A			BC00794-A		
Collector's No.	SSFL-LS-4			SSFL-LS-5			SSFL-LS-6			SSFL-LS-7			SSFL-LS-8			WCR-LS-1		
Digestion Date	11/14/2018			11/14/2018			11/14/2018			11/14/2018			11/14/2018			11/14/2018		
Analysis Date	11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018		
Matrix Type	Soil			Soil			Soil			Soil			Soil			Soil		
Units (mg/kg)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Antimony-Sb	ND	48.8		ND	48.8		ND	47.8		ND	49.5		ND	50.0		ND	49.8	
Arsenic-As	ND	48.8		ND	48.8		ND	47.8		ND	49.5		ND	50.0		ND	49.8	
Barium-Ba	75.0	48.8		87.2	48.8		77.5	47.8		58.4	49.5		76.9	50.0		78.8	49.8	
Beryllium-Be	ND	48.8		ND	48.8		ND	47.8		ND	49.5		ND	50.0		ND	49.8	
Cadmium-Cd	ND	48.8		ND	48.8		ND	47.8		ND	49.5		ND	50.0		ND	49.8	
Chromium-Cr	23.9	48.8		16.0	48.8		27.4	47.8		19.6	49.5		15.2	50.0		20.2	49.8	
Cobalt-Co	ND	48.8		ND	48.8		ND	47.8		ND	49.5		ND	50.0		ND	49.8	
Copper-Cu	15.4	48.8		15.8	48.8		15.8	47.8		10.7	49.5		11.6	50.0		14.6	49.8	
Lead-Pb	21.8	48.8		10.8	48.8		19.9	47.8		14.3	49.5		ND	50.0		13.7	49.8	
Molybdenum-Mo	ND	48.8		ND	48.8		ND	47.8		ND	49.5		ND	50.0		ND	49.8	
Nickel-Ni	14.7	48.8		11.1	48.8		26.5	47.8		12.2	49.5		ND	50.0		15.7	49.8	
Selenium-Se	ND	48.8		ND	48.8		ND	47.8		ND	49.5		ND	50.0		ND	49.8	
Silver-Ag	ND	48.8		ND	48.8		ND	47.8		ND	49.5		ND	50.0		ND	49.8	
Thallium-Tl	60.5	48.8		60.4	48.8		75.5	47.8		59.4	49.5		57.3	50.0		61.7	49.8	
Vanadium-V	29.0	48.8		31.9	48.8		37.3	47.8		25.4	49.5		26.2	50.0		37.7	49.8	
Zinc-Zn	200	48.8		61.5	48.8		76.6	47.8		79.8	49.5		66.3	50.0		81.7	49.8	
Mercury - Hg	0.536	93.5		0.054	92.4		0.027	93.8		ND	93.8		0.026	93.9		ND	93.4	

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Metals Laboratory Results
DTSC Woolsey Fire Investigation Activites
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ECL No.	BC00795-A			BC00796-A			BC00797-A			BC00798-A			BC00799-A			BC00800-A		
Collector's No.	BC-LM-15			BC-LM-16			BC-LM-17			SCF-30488			SCF-30476			SCF-02500		
Digestion Date	11/14/2018			11/14/2018			11/14/2018			11/14/2018			11/14/2018			11/14/2018		
Analysis Date	11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018		
Matrix Type	Soil			Ash/Soil			Ash/Soil			Soil			Soil			Ash/Soil		
Units (mg/kg)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Antimony-Sb	ND	48.5		ND	49.5		ND	49.0		ND	48.8		ND	49.3		ND	49.8	
Arsenic-As	ND	48.5		16.02	49.5		ND	147		ND	48.8		ND	49.3		ND	49.8	
Barium-Ba	108	48.5		82.2	49.5		141.6	49.0		56.5	48.8		80.7	49.3		79.8	49.8	
Beryllium-Be	ND	48.5		ND	49.5		ND	49.0		ND	48.8		ND	49.3		ND	49.8	
Cadmium-Cd	ND	48.5		ND	49.5		ND	49.0		ND	48.8		ND	49.3		ND	49.8	
Chromium-Cr	22.8	48.5		13.0	49.5		54.2	49.0		14.5	48.8		20.9	49.3		28.1	49.8	
Cobalt-Co	ND	48.5		ND	49.5		ND	49.0		ND	48.8		ND	49.3		ND	49.8	
Copper-Cu	11.0	48.5		10.5	49.5		41.3	49.0		12.2	48.8		20.0	49.3		20.0	49.8	
Lead-Pb	ND	48.5		12.4	49.5		ND	49.0		ND	48.8		ND	49.3		ND	49.8	
Molybdenum-Mo	ND	48.5		ND	49.5		24.7	49.0		ND	48.8		ND	49.3		ND	49.8	
Nickel-Ni	17.9	48.5		10.0	49.5		71.9	49.0		9.83	48.8		13.4	49.3		19.8	49.8	
Selenium-Se	ND	48.5		ND	49.5		ND	49.0		ND	48.8		ND	49.3		ND	49.8	
Silver-Ag	ND	48.5		ND	49.5		ND	49.0		ND	48.8		ND	49.3		ND	49.8	
Thallium-Tl	70.0	48.5		46.3	49.5		52.9	49.0		35.6	48.8		44.3	49.3		43.7	49.8	
Vanadium-V	27.9	48.5		23.8	49.5		114.2	49.0		22.7	48.8		33.5	49.3		33.0	49.8	
Zinc-Zn	65.1	48.5		70.0	49.5		131.7	49.0		58.3	48.8		62.6	49.3		83.1	49.8	
Mercury - Hg	ND	95.2		0.020	93.8		0.045	95.5		ND	93.4		0.027	97.2		ND	97.7	

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Metals Laboratory Results
DTSC Woolsey Fire Investigation Activites
Ventura and Los Angeles Counties, California

ECL No.	BC00824-A			BC00825-A			BC00826-A			BC00827-A			BC00828-A			Reporting Limit
Collector's No.	COM-LM-1			COM-LM-2			COM-LM-3			1			2			
Digestion Date	11/18/2018			11/18/2018			11/18/2018			11/17/2018			11/17/2018			
Analysis Date	11/18/2018			11/18/2018			11/18/2018			11/17/2018			11/17/2018			
Matrix Type	Ash			Ash			Ash			Ash			Soil			
Units (mg/kg)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	
Antimony-Sb	ND	50.0		ND	50.0		ND	49.5		ND	49.8		ND	48.3		0.2
Arsenic-As	ND	50.0		ND	50.0		ND	49.5		ND	49.8		ND	48.3		0.2
Barium-Ba	139	250		198	50.0		102	248		224	49.8		166	48.3		0.2
Beryllium-Be	ND	50.0		ND	50.0		ND	49.5		ND	49.8		ND	48.3		0.04
Cadmium-Cd	ND	50.0		ND	50.0		ND	49.5		ND	49.8		ND	48.3		0.2
Chromium-Cr	12.0	50.0		23.3	50.0		15.1	49.5		17.6	49.8		21.3	48.3		0.2
Cobalt-Co	ND	50.0		12.6	50.0		ND	49.5		ND	49.8		11.7	48.3		0.2
Copper-Cu	78.5	50.0		78.0	50.0		43.9	49.5		27.8	49.8		23.0	48.3		0.2
Lead-Pb	ND	50.0		ND	50.0		87.2	248		10.4	49.8		19.2	48.3		0.2
Molybdenum-Mo	ND	50.0		ND	50.0		ND	49.5		ND	49.8		ND	48.3		0.2
Nickel-Ni	16.2	50.0		51.1	50.0		25.8	49.5		15.0	49.8		16.7	48.3		0.2
Selenium-Se	ND	50.0		ND	50.0		ND	49.5		ND	49.8		ND	48.3		0.2
Silver-Ag	ND	50.0		ND	50.0		ND	49.5		ND	49.8		ND	48.3		0.2
Thallium-Tl	26.7	50.0		22.8	50.0		16.8	49.5		ND	49.8		ND	48.3		0.2
Vanadium-V	27.9	50.0		35.3	50.0		23.5	49.5		27.1	49.8		40.5	48.3		0.2
Zinc-Zn	376	250		603	250		181	248		84.1	49.8		59.9	48.3		0.2
Mercury - Hg	ND	96.0		0.026	96.5		ND	96.3		ND	93.0		0.042	98.5		2.0E-04

Table A-7
Metals Waste Extraction Test (WET) Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

Authorization No.: 18SC0045
ECL No(s).: BC00768 - BC00828

ECL No.	BC00768-A			BC00769-A			BC00770-A			BC00771-A			BC00772-A			BC00773-A		
Collector's No.	SSFL-LS-1			SCF-30474			MVE-LS-1			MVE-LS-2			MVE-LS-3			MVE-LS-4		
Extraction Date	11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018		
Analysis Date	11/14/2018			11/14/2018			11/14/2018			11/14/2018			11/14/2018			11/14/2018		
Matrix Type	Leachate			Leachate			Leachate			Leachate			Leachate			Leachate		
Units (mg/L)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Antimony-Sb	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Arsenic-As	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Barium-Ba	2.49	2.0		4.89	2.0		3.13	2.0		1.51	2.0		3.72	2.0		1.45	2.0	
Beryllium-Be	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Cadmium-Cd	ND	2.0		ND	2.0		0.781	2.0		ND	2.0		ND	2.0		ND	2.0	
Chromium-Cr	ND	2.0		ND	2.0		0.515	2.0		0.571	2.0		ND	2.0		ND	2.0	
Cobalt-Co	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Copper-Cu	ND	2.0		ND	2.0		0.640	2.0		ND	2.0		0.474	2.0		ND	2.0	
Lead-Pb	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Molybdenum-Mo	ND	2.0		ND	2.0		ND	2.0		ND	2.0		0.412	2.0		2.41	2.0	
Nickel-Ni	ND	2.0		ND	2.0		1.56	2.0		1.86	2.0		1.00	2.0		0.468	2.0	
Selenium-Se	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Silver-Ag	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Thallium-Tl	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Vanadium-V	ND	2.0		ND	2.0		0.896	2.0		0.637	2.0		0.414	2.0		0.712	2.0	
Zinc-Zn	0.487	2.0		1.04	2.0		2.23	2.0		1.77	2.0		2.41	2.0		ND	2.0	
Mercury - Hg	ND	10.0		ND	10.0		ND	10.0		ND	10.0		ND	10.0		ND	10.0	

Table A-7
Metals Waste Extraction Test (WET) Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00774-A			BC00775-A			BC00776-A			BC00777-A			BC00778-A			BC00779-A		
Collector's No.	LHE-LS-5			ACD-LS-6			AEW-LS-7			AEW-LS-8			JBA-LS-9			BCP-LS-10		
Extraction Date	11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/13/2018		
Analysis Date	11/14/2018			11/14/2018			11/14/2018			11/14/2018			11/14/2018			11/16/2018		
Matrix Type	Leachate			Leachate			Leachate			Leachate			Leachate			Leachate		
Units (mg/L)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Antimony-Sb	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Arsenic-As	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Barium-Ba	1.38	2.0		11.6	2.0		0.989	2.0		2.51	2.0		2.64	2.0		4.41	2.0	
Beryllium-Be	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Cadmium-Cd	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Chromium-Cr	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Cobalt-Co	ND	2.0		0.559	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Copper-Cu	0.907	2.0		ND	2.0		ND	2.0		ND	2.0		0.408	2.0		ND	2.0	
Lead-Pb	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Molybdenum-Mo	ND	2.0		ND	2.0		0.815	2.0		ND	2.0		ND	2.0		ND	2.0	
Nickel-Ni	1.61	2.0		0.689	2.0		0.468	2.0		ND	2.0		0.551	2.0		ND	2.0	
Selenium-Se	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Silver-Ag	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Thallium-Tl	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Vanadium-V	0.993	2.0		0.924	2.0		0.574	2.0		ND	2.0		0.627	2.0		ND	2.0	
Zinc-Zn	1.09	2.0		0.436	2.0		0.933	2.0		1.60	2.0		1.92	2.0		0.589	2.0	
Mercury - Hg	ND	10.0		ND	10.0		ND	10.0		ND	10.0		ND	10.0		ND	10.0	

Table A-7
Metals Waste Extraction Test (WET) Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00780-A			BC00781-A			BC00782-A			BC00783-A			BC00787-A			BC00788-A		
Collector's No.	OAP-LS-11			OAP-LS-12			PCC-LS-13			DP-LS-14			SSFL-LS-2			SSFL-LS-3		
Extraction Date	11/13/2018			11/13/2018			11/13/2018			11/13/2018			11/15/2018			11/15/2018		
Analysis Date	11/16/2018			11/16/2018			11/16/2018			11/16/2018			11/18/2018			11/18/2018		
Matrix Type	Leachate			Leachate			Leachate			Leachate			Leachate			Leachate		
Units (mg/L)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Antimony-Sb	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Arsenic-As	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Barium-Ba	4.14	2.0		ND	2.0		5.75	2.0		1.66	2.0		3.95	2.0		0.933	2.0	
Beryllium-Be	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Cadmium-Cd	0.561	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Chromium-Cr	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Cobalt-Co	0.571	2.0		ND	2.0		ND	2.0		0.486	2.0		ND	2.0		ND	2.0	
Copper-Cu	ND	2.0		0.544	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Lead-Pb	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Molybdenum-Mo	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Nickel-Ni	1.09	2.0		ND	2.0		0.551	2.0		0.753	2.0		ND	2.0		ND	2.0	
Selenium-Se	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Silver-Ag	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Thallium-Tl	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Vanadium-V	1.09	2.0		0.515	2.0		1.26	2.0		ND	2.0		ND	2.0		ND	2.0	
Zinc-Zn	1.64	2.0		ND	2.0		0.564	2.0		0.903	2.0		0.856	2.0		ND	2.0	
Mercury - Hg	ND	10.0		ND	10.0		ND	10.0		ND	10.0		ND	10.0		ND	10.0	

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Metals Waste Extraction Test (WET) Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00789-A			BC00790-A			BC00791-A			BC00792-A			BC00793-A			BC00794-A		
Collector's No.	SSFL-LS-4			SSFL-LS-5			SSFL-LS-6			SSFL-LS-7			SSFL-LS-8			WCR-LS-1		
Extraction Date	11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018		
Analysis Date	11/18/2018			11/18/2018			11/18/2018			11/18/2018			11/18/2018			11/18/2018		
Matrix Type	Leachate			Leachate			Leachate			Leachate			Leachate			Leachate		
Units (mg/L)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Antimony-Sb	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Arsenic-As	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Barium-Ba	3.33	2.0		4.08	2.0		4.23	2.0		2.42	2.0		3.67	2.0		4.39	2.0	
Beryllium-Be	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Cadmium-Cd	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Chromium-Cr	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Cobalt-Co	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Copper-Cu	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Lead-Pb	0.729	2.0		ND	2.0		0.549	2.0		ND	2.0		ND	2.0		ND	2.0	
Molybdenum-Mo	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Nickel-Ni	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Selenium-Se	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Silver-Ag	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Thallium-Tl	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Vanadium-V	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Zinc-Zn	12.1	2.0		1.17	2.0		0.848	2.0		1.82	2.0		1.79	2.0		1.06	2.0	
Mercury - Hg	ND	10.0		ND	10.0		ND	10.0		ND	10.0		ND	10.0		ND	10.0	

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Metals Waste Extraction Test (WET) Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00795-A			BC00796-A			BC00797-A			BC00798-A			BC00799-A			BC00800-A		
Collector's No.	BC-LM-15			BC-LM-16			BC-LM-17			SCF-30488			SCF-30476			SCF-02500		
Extraction Date	11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018		
Analysis Date	11/18/2018			11/18/2018			11/18/2018			11/18/2018			11/18/2018			11/18/2018		
Matrix Type	Leachate			Leachate			Leachate			Leachate			Leachate			Leachate		
Units (mg/L)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Antimony-Sb	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Arsenic-As	ND	2.0		ND	2.0		0.57	2.0		ND	2.0		ND	2.0		ND	2.0	
Barium-Ba	7.13	2.0		4.43	2.0		4.73	2.0		2.80	2.0		4.34	2.0		3.52	2.0	
Beryllium-Be	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Cadmium-Cd	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Chromium-Cr	ND	2.0		ND	2.0		0.7	2.0		ND	2.0		ND	2.0		ND	2.0	
Cobalt-Co	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Copper-Cu	ND	2.0		ND	2.0		0.446	2.0		ND	2.0		ND	2.0		ND	2.0	
Lead-Pb	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Molybdenum-Mo	ND	2.0		ND	2.0		0.409	2.0		ND	2.0		ND	2.0		ND	2.0	
Nickel-Ni	ND	2.0		ND	2.0		2.20	2.0		ND	2.0		ND	2.0		ND	2.0	
Selenium-Se	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Silver-Ag	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Thallium-Tl	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0	
Vanadium-V	ND	2.0		ND	2.0		5.26	2.0		ND	2.0		ND	2.0		ND	2.0	
Zinc-Zn	ND	2.0		2.22	2.0		2.63	2.0		1.65	2.0		1.67	2.0		1.64	2.0	
Mercury - Hg	ND	10.0		ND	10.0		ND	10.0		ND	10.0		ND	10.0		ND	10.0	

Table A-7
Metals Waste Extraction Test (WET) Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00824-A			BC00825-A			BC00826-A			BC00827-A			BC00828-A			Reporting Limit
Collector's No.	COM-LM-1			COM-LM-2			COM-LM-3			1			2			
Extraction Date	11/16/2018			11/16/2018			11/16/2018			11/16/2018			11/16/2018			
Analysis Date	11/19/208			11/19/208			11/19/208			11/19/208			11/19/208			
Matrix Type	Leachate			Leachate			Leachate			Leachate			Leachate			
Units (mg/L)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	
Antimony-Sb	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		0.2
Arsenic-As	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		0.2
Barium-Ba	ND	2.0		1.06	2.0		3.86	2.0		11.5	2.0		9.68	2.0		0.2
Beryllium-Be	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		0.04
Cadmium-Cd	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		0.2
Chromium-Cr	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		0.2
Cobalt-Co	ND	2.0		ND	2.0		ND	2.0		0.461	2.0		0.659	2.0		0.2
Copper-Cu	2.41	2.0		0.584	2.0		ND	2.0		ND	2.0		ND	2.0		0.2
Lead-Pb	ND	2.0		ND	2.0		0.561	2.0		ND	2.0		ND	2.0		0.2
Molybdenum-Mo	0.432	2.0		ND	2.0		0.443	2.0		ND	2.0		ND	2.0		0.2
Nickel-Ni	0.566	2.0		1.53	2.0		0.979	2.0		ND	2.0		ND	2.0		0.2
Selenium-Se	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		0.2
Silver-Ag	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		0.2
Thallium-Tl	ND	2.0		ND	2.0		ND	2.0		ND	2.0		ND	2.0		0.2
Vanadium-V	0.778	2.0		0.626	2.0		0.423	2.0		0.562	2.0		ND	2.0		0.2
Zinc-Zn	5.24	2.0		3.85	2.0		7.57	2.0		3.51	2.0		0.971	2.0		0.2
Mercury - Hg	ND	10.0		ND	10.0		ND	10.0		ND	10.0		ND	10.0		2.0E-04

Table A-8
PCB Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

Authorization No.: 18SC0045
ECL No(s).: BC00768 - BC00828

ECL No.	BC00768-A			BC00769-A			BC00770-A			BC00771-A			BC00772-A			BC00773-A		
Collector's No.	SSFL-LS-1			SCF-30474			MVE-LS-1			MVE-LS-2			MVE-LS-3			MVE-LS4		
Extraction Date	11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018		
Analysis Date	11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018		
Matrix Type	Ash/Soil			Soil/Gravel			Soil			Soil			Soil			Ash		
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			µg/kg		
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Aroclor 1016	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1221	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1232	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1242	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1248	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1254	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1260	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Surrogate:	% Recovery																	
2,4,5,6-Tetrachloro-m-Xylene	94.2			103			94.7			93.3			92.8			109		

Table A-8
PCB Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00774-A			BC00775-A			BC00776-A			BC00777-A			BC00778-A			BC00779-A		
Collector's No.	LHE-LS-5			ACD-LS-6			AEW-LS-7			AEW-LS-8			JBA-LS-9			BCP-LS-10		
Extraction Date	11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/12/2018			11/15/2018		
Analysis Date	11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/18/2018		
Matrix Type	Soil			Soil			Ash			Soil			Soil			Soil		
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			µg/kg		
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Aroclor 1016	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1221	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1232	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1242	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1248	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1254	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1260	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
% Recovery																		
2,4,5,6-Tetrachloro-m-Xylene	105			107			107			106			93.4			101		

Table A-8
PCB Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00780-A			BC00781-A			BC00782-A			BC00783-A			BC00787-A			BC00788-A		
Collector's No.	OAP-LS-11			OAP-LS-12			PCC-LS-13			DP-LS-14			SSFL-LS-2			SSFL-LS-3		
Extraction Date	11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/17/2018			11/17/2018		
Analysis Date	11/18/2018			11/18/2018			11/18/2018			11/18/2018			11/19/2018			11/19/2018		
Matrix Type	Soil			Ash			Soil			Soil			Soil			Soil		
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			µg/kg		
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Aroclor 1016	ND	0.99		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1221	ND	0.99		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1232	ND	0.99		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1242	ND	0.99		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1248	ND	0.99		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1254	ND	0.99		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1260	ND	0.99		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
% Recovery																		
2,4,5,6-Tetrachloro-m-Xylene	113			101			98.1			103			110			99.9		

Table A-8
PCB Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00789-A			BC00790-A			BC00791-A			BC00792-A			BC00793-A			BC00794-A		
Collector's No.	SSFL-LS-4			SSFL-LS-5			SSFL-LS-6			SSFL-LS-7			SSFL-LS-8			WCR-LS-1		
Extraction Date	11/17/2018			11/17/2018			11/17/2018			11/17/2018			11/17/2018			11/17/2018		
Analysis Date	11/19/2018			11/19/2018			11/19/2018			11/19/2018			11/19/2018			11/19/2018		
Matrix Type	Soil			Soil			Soil			Soil			Soil			Soil		
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			µg/kg		
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Aroclor 1016	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1221	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1232	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1242	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1248	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1254	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1260	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
% Recovery																		
2,4,5,6-Tetrachloro-m-Xylene	109			110			113			108			102			104		

Table A-8
PCB Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00795-A			BC00796-A			BC00797-A			BC00798-A			BC00799-A			BC00800-A		
Collector's No.	BC-LM-15			BC-LM-16			BC-LM-17			SCF-30488			SCF-30476			SCF-02500		
Extraction Date	11/17/2018			11/17/2018			11/17/2018			11/17/2018			11/17/2018			11/17/2018		
Analysis Date	11/19/2018			11/19/2018			11/19/2018			11/19/2018			11/19/2018			11/19/2018		
Matrix Type	Soil			Ash/Soil			Ash/Soil			Soil			Soil			Ash/Soil		
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			µg/kg		
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Aroclor 1016	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1221	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1232	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1242	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1248	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1254	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
Aroclor 1260	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00	
% Recovery																		
2,4,5,6-Tetrachloro-m-Xylene	92.5			105			104			104			110			105		

Table A-8
PCB Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00824-A			BC00825-A			BC00826-A			BC00827-A			BC00828-A			Reporting Limit
Collector's No.	COM-LM-1			COM-LM-2			COM-LM-3			1			2			
Extraction Date	11/19/2018			11/19/2018			11/19/2018			11/19/2018			11/19/2018			
Analysis Date	11/20/2018			11/20/2018			11/20/2018			11/20/2018			11/20/2018			
Matrix Type	Ash			Ash			Ash			Ash			Soil			
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	50
Aroclor 1016	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		50
Aroclor 1221	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		50
Aroclor 1232	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		50
Aroclor 1242	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		50
Aroclor 1248	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		50
Aroclor 1254	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		50
Aroclor 1260	ND	1.00		ND	1.00		ND	1.00		ND	1.00		ND	1.00		50
% Recovery																Control Limits
2,4,5,6-Tetrachloro-m-Xylene	112			111			106			101			104			70-130%

Table A-9
PAH Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

Authorization No.: 18SC0045
ECL No(s).: BC00768 - BC00828

ECL No.	BC00768-A			BC00769-A			BC00770-A			BC00771-A			BC00772-A			BC00773-A		
Collector's No.	SSFL-LS-1			SCF-30474			MVE-LS-1			MVE-LS-2			MVE-LS-3			MVE-LS4		
Extraction Date	11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018		
Analysis Date	11/17/2018			11/21/2018			11/17/2018			11/17/2018			11/17/2018			11/21/2018		
Matrix Type	Ash/Soil			Soil/Gravel			Soil			Soil			Soil			Ash		
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			µg/kg		
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Acenaphthene	ND	1.00		ND	3.97		ND	1.00		ND	0.99		ND	0.99		ND	3.94	
Acenaphthylene	33.6	1.00		ND	3.97		12.9	1.00		12.6	0.99		5.12	0.99		ND	3.94	
Anthracene	10.1	1.00		ND	3.97		ND	1.00		ND	0.99		ND	0.99		ND	3.94	
Benzo(a)anthracene	5.20	1.00		ND	3.97		ND	1.00		ND	0.99		ND	0.99		ND	3.94	
Benzo(a)pyrene	ND	1.00		ND	3.97		ND	1.00		ND	0.99		ND	0.99		ND	3.94	
Benzo(b)fluoranthene	5.99	1.00		ND	3.97		ND	1.00		ND	0.99		ND	0.99		ND	3.94	
Benzo(g,h,l)perylene	ND	1.00		ND	3.97		5.51	1.00		ND	0.99		5.90	0.99		ND	3.94	
Benzo(k)fluoranthene	ND	1.00		ND	3.97		ND	1.00		ND	0.99		ND	0.99		ND	3.94	
Chrysene	7.24	1.00		ND	3.97		ND	1.00		ND	0.99		ND	0.99		ND	3.94	
Dibenzo(a,h)anthracene	ND	1.00		ND	3.97		ND	1.00		ND	0.99		ND	0.99		ND	3.94	
Fluoranthene	31.3	1.00		ND	3.97		13.4	1.00		11.8	0.99		7.18	0.99		ND	3.94	
Fluorene	21.7	1.00		24.6	3.97		13.0	1.00		16.4	0.99		9.27	0.99		ND	3.94	
Indeno(1,2,3-c,d)pyrene	ND	1.00		ND	3.97		ND	1.00		ND	0.99		ND	0.99		ND	3.94	
Naphthalene	210	1.00		297	3.97		120	1.00		131	0.99		81.8	0.99		460	3.94	
Phenanthrene	64.3	1.00		77.8	3.97		33.7	1.00		44.8	0.99		25.8	0.99		67.8	3.94	
Pyrene	19.7	1.00		ND	3.97		8.34	1.00		6.21	0.99		ND	0.99		ND	3.94	
Surrogates:	% Recovery																	
2-Fluorobiphenyl	89.2			97.1			90.8			91.5			90.3			87.3		
Terphenyl-d14	103			109			108			113			109			91.1		

Table A-9
PAH Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00774-A			BC00775-A			BC00776-A			BC00777-A			BC00778-A			BC00779-A		
Collector's No.	LHE-LS-5			ACD-LS-6			AEW-LS-7			AEW-LS-8			JBA-LS-9			BCP-LS-10		
Extraction Date	11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/15/2018			11/16/2018		
Analysis Date	11/17/2018			11/17/2018			11/21/2018			11/22/2018			11/22/2018			11/19/2018		
Matrix Type	Soil			Soil			Ash			Soil			Soil			Soil		
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			µg/kg		
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Acenaphthene	ND	0.99		ND	0.99		ND	4.00		ND	3.98		ND	3.96		ND	4.00	
Acenaphthylene	5.63	0.99		ND	0.99		ND	4.00		ND	3.98		ND	3.96		ND	4.00	
Anthracene	ND	0.99		ND	0.99		23.3	4.00		ND	3.98		ND	3.96		ND	4.00	
Benzo(a)anthracene	ND	0.99		ND	0.99		ND	4.00		ND	3.98		ND	3.96		ND	4.00	
Benzo(a)pyrene	ND	0.99		ND	0.99		ND	4.00		23.8	3.98		ND	3.96		ND	4.00	
Benzo(b)fluoranthene	ND	0.99		ND	0.99		ND	4.00		32.2	3.98		ND	3.96		ND	4.00	
Benzo(g,h,l)perylene	ND	0.99		ND	0.99		ND	4.00		23.0	3.98		ND	3.96		ND	4.00	
Benzo(k)fluoranthene	ND	0.99		ND	0.99		ND	4.00		ND	3.98		ND	3.96		ND	4.00	
Chrysene	ND	0.99		ND	0.99		22.4	4.00		22.7	3.98		ND	3.96		ND	4.00	
Dibenzo(a,h)anthracene	ND	0.99		ND	0.99		ND	4.00		ND	3.98		ND	3.96		ND	4.00	
Fluoranthene	17.4	0.99		5.84	0.99		40.6	4.00		38.5	3.98		ND	3.96		37.0	4.00	
Fluorene	12.3	0.99		11.0	0.99		21.4	4.00		25.9	3.98		ND	3.96		31.2	4.00	
Indeno(1,2,3-c,d)pyrene	ND	0.99		ND	0.99		ND	4.00		ND	3.98		ND	3.96		ND	4.00	
Naphthalene	98.5	0.99		158	0.99		622	4.00		165	3.98		87.4	3.96		155	4.00	
Phenanthrene	45.1	0.99		29.0	0.99		210	4.00		65.2	3.98		29.1	3.96		146	4.00	
Pyrene	7.33	0.99		ND	0.99		33.6	4.00		42.3	3.98		ND	3.96		ND	4.00	
% Recovery																		
2-Fluorobiphenyl	92.7			92.5			101			102			100			95.1		
Terphenyl-d14	112			114			120			138			136			107		

Table A-9
PAH Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00780-A			BC00781-A			BC00782-A			BC00783-A			BC00787-A			BC00788-A		
Collector's No.	OAP-LS-11			OAP-LS-12			PCC-LS-13			DP-LS-14			SSFL-LS-2			SSFL-LS-3		
Extraction Date	11/16/2018			11/16/2018			11/16/2018			11/16/2018			11/17/2018			11/17/2018		
Analysis Date	11/19/2018			11/19/2018			11/19/2018			11/19/2018			11/20/2018			11/20/2018		
Matrix Type	Soil			Ash			Soil			Soil			Soil			Soil		
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			µg/kg		
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Acenaphthene	ND	4.00		ND	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
Acenaphthylene	ND	4.00		ND	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
Anthracene	ND	4.00		ND	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
Benzo(a)anthracene	32.9	4.00		ND	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
Benzo(a)pyrene	33.1	4.00		ND	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
Benzo(b)fluoranthene	49.5	4.00		ND	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
Benzo(g,h,l)perylene	32.4	4.00		ND	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
Benzo(k)fluoranthene	22.2	4.00		ND	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
Chrysene	47.5	4.00		ND	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
Dibenzo(a,h)anthracene	ND	4.00		ND	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
Fluoranthene	139	4.00		38.8	4.00		ND	4.00		ND	4.00		25.6	3.99		ND	3.99	
Fluorene	26.3	4.00		ND	4.00		ND	4.00		ND	4.00		21.7	3.99		ND	3.99	
Indeno(1,2,3-c,d)pyrene	36.1	4.00		ND	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
Naphthalene	65.4	4.00		281	4.00		232	4.00		ND	4.00		118	3.99		ND	3.99	
Phenanthrene	207	4.00		121	4.00		49.7	4.00		ND	4.00		43.5	3.99		ND	3.99	
Pyrene	96.0	4.00		22.2	4.00		ND	4.00		ND	4.00		ND	3.99		ND	3.99	
% Recovery																		
2-Fluorobiphenyl	88.2			91.2			91.0			91.2			89.9			86.7		
Terphenyl-d14	91.5			93.9			98.1			96.8			93.7			88.8		

Table A-9
PAH Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00789-A			BC00790-A			BC00791-A			BC00792-A			BC00793-A			BC00794-A		
Collector's No.	SSFL-LS-4			SSFL-LS-5			SSFL-LS-6			SSFL-LS-7			SSFL-LS-8			WCR-LS-1		
Extraction Date	11/17/2018			11/17/2018			11/17/2018			11/17/2018			11/17/2018			11/17/2018		
Analysis Date	11/20/2018			11/20/2018			11/20/2018			11/21/2018			11/21/2018			11/21/2018		
Matrix Type	Soil			Soil			Soil			Soil			Soil			Soil		
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			µg/kg		
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Acenaphthene	ND	10.0		ND	4.00		ND	3.98		ND	3.97		ND	4.00		ND	4.00	
Acenaphthylene	ND	10.0		22.6	4.00		ND	3.98		ND	3.97		22.8	4.00		ND	4.00	
Anthracene	ND	10.0		ND	4.00		ND	3.98		ND	3.97		37.8	4.00		ND	4.00	
Benzo(a)anthracene	179	10.0		54.1	4.00		ND	3.98		ND	3.97		53.3	4.00		ND	4.00	
Benzo(a)pyrene	182	10.0		50.3	4.00		ND	3.98		ND	3.97		43.9	4.00		ND	4.00	
Benzo(b)fluoranthene	225	10.0		86.7	4.00		ND	3.98		ND	3.97		61.2	4.00		ND	4.00	
Benzo(g,h,l)perylene	177	10.0		46.2	4.00		ND	3.98		ND	3.97		26.8	4.00		ND	4.00	
Benzo(k)fluoranthene	ND	10.0		26.0	4.00		ND	3.98		ND	3.97		ND	4.00		ND	4.00	
Chrysene	280	10.0		44.8	4.00		ND	3.98		ND	3.97		57.8	4.00		ND	4.00	
Dibenzo(a,h)anthracene	69.8	10.0		ND	4.00		ND	3.98		ND	3.97		ND	4.00		ND	4.00	
Fluoranthene	142	10.0		91.4	4.00		29.1	3.98		24.2	3.97		145	4.00		ND	4.00	
Fluorene	ND	10.0		ND	4.00		ND	3.98		21.3	3.97		51.2	4.00		ND	4.00	
Indeno(1,2,3-c,d)pyrene	195	10.0		64.2	4.00		ND	3.98		ND	3.97		38.2	4.00		ND	4.00	
Naphthalene	171	10.0		161	4.00		138	3.98		196	3.97		247	4.00		ND	4.00	
Phenanthrene	283	10.0		49.9	4.00		55.5	3.98		73.2	3.97		151	4.00		ND	4.00	
Pyrene	141	10.0		68.8	4.00		20.3	3.98		ND	3.97		112	4.00		ND	4.00	
% Recovery																		
2-Fluorobiphenyl	95.5			91.6			90.1			89.8			91.5			90.7		
Terphenyl-d14	94.1			108			105			112			110			92.2		

Table A-9
PAH Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00795-A			BC00796-A			BC00797-A			BC00798-A			BC00799-A			BC00800-A		
Collector's No.	BC-LM-15			BC-LM-16			BC-LM-17			SCF-30488			SCF-30476			SCF-02500		
Extraction Date	11/17/2018			11/17/2018			11/17/2018			11/17/2018			11/17/2018			11/17/2018		
Analysis Date	11/20/2018			11/20/2018			11/20/2018			11/20/2018			11/20/2018			11/20/2018		
Matrix Type	Soil			Ash/Soil			Ash/Soil			Soil			Soil			Ash/Soil		
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			µg/kg		
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q
Acenaphthene	ND	4.00		ND	4.00		50.1	3.98		ND	9.98		ND	4.00		ND	9.97	
Acenaphthylene	ND	4.00		47.7	4.00		28.7	3.98		ND	9.98		ND	4.00		ND	9.97	
Anthracene	ND	4.00		29.0	4.00		89.0	3.98		ND	9.98		ND	4.00		ND	9.97	
Benzo(a)anthracene	ND	4.00		ND	4.00		ND	3.98		ND	9.98		ND	4.00		ND	9.97	
Benzo(a)pyrene	ND	4.00		ND	4.00		ND	3.98		ND	9.98		ND	4.00		ND	9.97	
Benzo(b)fluoranthene	ND	4.00		ND	4.00		ND	3.98		ND	9.98		ND	4.00		ND	9.97	
Benzo(g,h,l)perylene	ND	4.00		ND	4.00		ND	3.98		ND	9.98		ND	4.00		ND	9.97	
Benzo(k)fluoranthene	ND	4.00		ND	4.00		ND	3.98		ND	9.98		ND	4.00		ND	9.97	
Chrysene	ND	4.00		ND	4.00		ND	3.98		ND	9.98		ND	4.00		ND	9.97	
Dibenzo(a,h)anthracene	ND	4.00		ND	4.00		ND	3.98		ND	9.98		ND	4.00		ND	9.97	
Fluoranthene	ND	4.00		56.8	4.00		287	3.98		ND	9.98		24.4	4.00		ND	9.97	
Fluorene	ND	4.00		31.8	4.00		114	3.98		ND	9.98		ND	4.00		ND	9.97	
Indeno(1,2,3-c,d)pyrene	ND	4.00		ND	4.00		ND	3.98		ND	9.98		ND	4.00		ND	9.97	
Naphthalene	ND	4.00		252	4.00		329	3.98		ND	9.98		ND	4.00		144	9.97	
Phenanthrene	ND	4.00		117	4.00		592	3.98		ND	9.98		ND	4.00		95.6	9.97	
Pyrene	ND	4.00		41.1	4.00		135	3.98		ND	9.98		ND	4.00		ND	9.97	
% Recovery																		
2-Fluorobiphenyl	91.5			88.8			89.7			96.3			90.3			96.6		
Terphenyl-d14	105			104			103			109			113			107		

Table A-9
PAH Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00824-A			BC00825-A			BC00826-A			BC00827-A			BC00828-A			Reporting Limit
Collector's No.	COM-LM-1			COM-LM-2			COM-LM-3			1			2			
Extraction Date	11/18/2018			11/18/2018			11/18/2018			11/18/2018			11/18/2018			
Analysis Date	11/21/2018			11/21/2018			11/21/2018			11/21/2018			11/21/2018			
Matrix Type	Ash			Ash			Ash			Ash			Soil			
Units	µg/kg			µg/kg			µg/kg			µg/kg			µg/kg			
Compounds:	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	(RL)
Acenaphthene	ND	3.96		ND	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
Acenaphthylene	ND	3.96		ND	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
Anthracene	21.7	3.96		27.0	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
Benzo(a)anthracene	39.0	3.96		ND	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
Benzo(a)pyrene	ND	3.96		ND	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
Benzo(b)fluoranthene	145	3.96		38.3	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
Benzo(g,h,l)perylene	68.4	3.96		ND	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
Benzo(k)fluoranthene	20.2	3.96		ND	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
Chrysene	74.1	3.96		37.1	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
Dibenzo(a,h)anthracene	ND	3.96		ND	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
Fluoranthene	109	3.96		112	3.97		24.1	3.98		ND	3.98		ND	3.99		5.0
Fluorene	ND	3.96		ND	3.97		ND	3.98		24.2	3.98		ND	3.99		5.0
Indeno(1,2,3-c,d)pyrene	42.4	3.96		ND	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
Naphthalene	409	3.96		418	3.97		311	3.98		806	3.98		ND	3.99		5.0
Phenanthrene	222	3.96		233	3.97		52.3	3.98		82.8	3.98		ND	3.99		5.0
Pyrene	74.3	3.96		62.7	3.97		ND	3.98		ND	3.98		ND	3.99		5.0
% Recovery																Control Limits
2-Fluorobiphenyl	90.7			87.5			92.7			89.0			93.1			70-130%
Terphenyl-d14	112			109			111			112			121			

Table A-10
VOC by TO-15 Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00784-A		BC00785-A		BC00786-A		Reporting Limit (RL)
Collector's No.	AIR-LS-01		AIR-LS-02		AIR-LS-03		
Analysis Date	11/13/2018		11/13/2018		11/13/2018		
Matrix Type	Air		Air		Air		
Units	ppbv		ppbv		ppbv		
Compounds:	D_f	Amount	D_f	Amount	D_f	Amount	
Acetone	1.00	8.61	1.00	8.86	0.99	2.30	0.20
Acetonitile	1.00	0.56	1.00	0.74	0.99	0.35	0.10
Acrolein	1.00	0.38	1.00	0.32	0.99	0.15	0.10
Acrylonitrile	1.00	ND	1.00	ND	0.99	ND	0.10
Allyl Chloride	1.00	ND	1.00	ND	0.99	ND	0.10
tert -Amyl Methyl Ether	1.00	ND	1.00	ND	0.99	ND	0.10
Benzene	1.00	0.27	1.00	0.21	0.99	ND	0.10
Benzyl Chloride	1.00	ND	1.00	0.14	0.99	ND	0.10
Bromodichloromethane	1.00	ND	1.00	ND	0.99	ND	0.10
Bromoform	1.00	ND	1.00	ND	0.99	ND	0.10
Bromomethane	1.00	ND	1.00	ND	0.99	ND	0.10
1,3-Butadiene	1.00	0.14	1.00	ND	0.99	ND	0.10
tert- Butanol	1.00	ND	1.00	ND	0.99	ND	0.10
2-Butanone (MEK)	1.00	0.39	1.00	0.40	0.99	0.23	0.10
n- Butylbenzene	1.00	ND	1.00	ND	0.99	ND	0.10
sec- Butylbenzene	1.00	ND	1.00	ND	0.99	ND	0.10
tert- Butylbenzene	1.00	ND	1.00	ND	0.99	ND	0.10
Carbon Disulfide	1.00	ND	1.00	0.11	0.99	ND	0.10
Carbon Tetrachloride	1.00	ND	1.00	ND	0.99	ND	0.10
Chlorobenzene	1.00	ND	1.00	0.11	0.99	ND	0.10
Chlorodibromomethane	1.00	ND	1.00	ND	0.99	ND	0.10
Chloroethane	1.00	ND	1.00	ND	0.99	ND	0.10
Chloroform	1.00	ND	1.00	ND	0.99	ND	0.10
Chloromethane	1.00	0.33	1.00	0.38	0.99	0.30	0.10
2-Chloroprene	1.00	ND	1.00	ND	0.99	ND	0.10
2-Chlorotoluene	1.00	ND	1.00	ND	0.99	ND	0.10
Cyclohexane	1.00	ND	1.00	ND	0.99	ND	0.10
1,2-Dibromoethane	1.00	ND	1.00	0.12	0.99	ND	0.10
1,2-Dichlorobenzene	1.00	ND	1.00	0.21	0.99	ND	0.10
1,3-Dichlorobenzene	1.00	ND	1.00	0.20	0.99	ND	0.10
1,4-Dichlorobenzene	1.00	ND	1.00	0.22	0.99	ND	0.10
Dichlorodifluoromethane	1.00	0.62	1.00	0.60	0.99	0.52	0.10
1,1-Dichloroethane	1.00	ND	1.00	ND	0.99	ND	0.10
1,2-Dichloroethane	1.00	ND	1.00	0.12	0.99	ND	0.10
1,1-Dichloroethene	1.00	ND	1.00	ND	0.99	ND	0.10
cis- 1,2-Dichloroethene	1.00	ND	1.00	ND	0.99	ND	0.10
trans- 1,2-Dichloroethene	1.00	ND	1.00	ND	0.99	ND	0.10
1,2-Dichloropropane	1.00	ND	1.00	ND	0.99	ND	0.10
cis- 1,3-Dichloropropene	1.00	ND	1.00	ND	0.99	ND	0.10
trans- 1,3-Dichloropropene	1.00	ND	1.00	0.13	0.99	ND	0.10
Dichlorotetrafluoroethane (Freon 114)	1.00	ND	1.00	ND	0.99	ND	0.10
Diisopropyl Ether	1.00	ND	1.00	ND	0.99	ND	0.10
1,4-Dioxane	1.00	ND	1.00	0.17	0.99	0.18	0.10
Ethanol	1.00	1.09	1.00	1.22	0.99	0.42	0.10
Ethyl Acetate	1.00	0.24	1.00	0.11	0.99	0.36	0.10
Ethylbenzene	1.00	0.23	1.00	ND	0.99	0.10	0.10
Ethyl *tert*- Butyl Ether	1.00	ND	1.00	ND	0.99	ND	0.10
4-Ethyltoluene	1.00	ND	1.00	0.10	0.99	ND	0.10
n- Heptane	1.00	0.11	1.00	ND	0.99	ND	0.10
Hexachloro-1,3-Butadiene	1.00	ND	1.00	0.23	0.99	0.16	0.10

Table A-10
VOC by TO-15 Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00784-A		BC00785-A		BC00786-A		Reporting Limit (RL)
Collector's No.	AIR-LS-01		AIR-LS-02		AIR-LS-03		
Analysis Date	11/13/2018		11/13/2018		11/13/2018		
Matrix Type	Air		Air		Air		
Units	ppbv		ppbv		ppbv		
Compounds:	D_f	Amount	D_f	Amount	D_f	Amount	
n- Hexane	1.00	ND	1.00	ND	0.99	ND	0.10
2-Hexanone	1.00	ND	1.00	0.23	0.99	0.29	0.10
Isopropyl Alcohol	1.00	ND	3.96	25.7	0.99	0.53	0.50
Isopropylbenzene	1.00	ND	1.00	ND	0.99	ND	0.10
o- Isopropyltoluene	1.00	ND	1.00	ND	0.99	ND	0.10
Methyl *tert*- Butyl Ether (MTBE)	1.00	ND	1.00	ND	0.99	ND	0.10
Methyl Methacrylate	1.00	ND	1.00	ND	0.99	ND	0.10
4-Methyl-2-Pentanone (MIBK)	1.00	ND	1.00	0.14	0.99	0.11	0.10
Methylene Chloride	1.00	ND	1.00	0.21	0.99	ND	0.20
Naphthalene	1.00	ND	1.00	0.69	0.99	0.32	0.10
Propene	1.00	0.87	1.00	0.79	0.99	0.20	0.10
n- Propylbenzene	1.00	ND	1.00	ND	0.99	ND	0.10
Styrene	1.00	ND	1.00	ND	0.99	ND	0.10
1,1,1,2-Tetrachloroethane	1.00	ND	1.00	ND	0.99	ND	0.10
1,1,2,2-Tetrachloroethane	1.00	ND	1.00	ND	0.99	ND	0.10
Tetrachloroethene	1.00	ND	1.00	ND	0.99	ND	0.10
Tetrahydrofuran	1.00	ND	1.00	ND	0.99	ND	0.10
Toluene	1.00	0.57	1.00	ND	0.99	0.21	0.20
1,2,4-Trichlorobenzene	1.00	ND	1.00	0.51	0.99	0.32	0.10
1,1,1-Trichloroethane	1.00	ND	1.00	ND	0.99	ND	0.10
1,1,2-Trichloroethane	1.00	ND	1.00	ND	0.99	ND	0.10
Trichloroethene	1.00	ND	1.00	ND	0.99	ND	0.10
Trichlorofluoromethane	1.00	0.29	1.00	0.27	0.99	0.25	0.10
Trichlorotrifluoroethane (Freon 113)	1.00	ND	1.00	ND	0.99	ND	0.10
1,2,4-Trimethylbenzene	1.00	ND	1.00	0.14	0.99	ND	0.10
1,3,5-Trimethylbenzene	1.00	ND	1.00	ND	0.99	ND	0.10
2,2,4-Trimethylpentane	1.00	0.66	1.00	ND	0.99	0.22	0.20
Vinyl Acetate	1.00	0.18	1.00	0.13	0.99	ND	0.10
Vinyl Bromide	1.00	ND	1.00	ND	0.99	ND	0.10
Vinyl Chloride	1.00	ND	1.00	ND	0.99	ND	0.10
(*m* & *p*) Xylenes	1.00	0.26	1.00	ND	0.99	ND	0.20
o -Xylene	1.00	ND	1.00	ND	0.99	ND	0.10
Surrogate Standards:	% Recovery						Control Limits (%)
4-Bromofluorobenzene	84.6		87.3		84.1		70-30

Table A-11
Dioxin and Furan Sampling Locations
DTSC Woolsey Fire Investigation Activities
Ventura and Los Angeles Counties, California

Sample Name	Laboratory Sample ID	Location	Sample Date/Time
SSFL-LS-1	BC00768-A	SSFL	11/11/18 0928
SSFL-LS-2	BC00769-A	SSFL	11/13/18 0825
ACD-LS-6	BC00775-A	Calabasas	11/11/18 1615
AEW-LS-7	BC00776-A	Calabasas	11/11/18 1643
AEW-LS-8	BC00777-A	Calabasas	11/11/18 1652
JBA-LS-9	BC00778-A	Calabasas	11/11/18 1718
LHE-LS-5	BC00774-A	Calabasas	11/11/18 1550
MVE-LS-1	BC00770-A	Calabasas	11/11/18 1412
MVE-LS-2	BC00771-A	Calabasas	11/11/18 1445
MVE-LS-3	BC00772-A	Calabasas	11/11/18 1515
MVE-LS-4	BC00773-A	Calabasas	11/11/18 1518

Table A-12
Dioxin and Furan Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00768-A	BC00769-A	BC00770-A	BC00771-A	BC00772-A	BC00773-A
Collector's No.	SSFL-LS1	SSFL-LS2	MVE-LS1	MVE-LS2	MVE-LS3	MVE-LS4
Date Prep Complete	11/17/2018	11/17/2018	11/17/2018	11/17/2018	11/17/2018	11/17/2018
Analysis Date	11/20/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018
Matrix Type	Ash/Soil	Soil/Gravel	Soil	Soil	Soil	Ash
Analyte	**Conc. (pg/g)**					
2,3,7,8-Cl4DD	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
1,2,3,7,8-Cl5DD	n.d.	n.d.	10.54	8.19	n.d.	n.d.
1,2,3,4,7,8-Cl6DD	n.d.	n.d.	7.77	n.d.	0.73	n.d.
1,2,3,6,7,8-Cl6DD	n.d.	n.d.	7.44	n.d.	n.d.	n.d.
1,2,3,7,8,9-Cl6DD	n.d.	n.d.	7.44	n.d.	n.d.	n.d.
1,2,3,4,6,7,8-Cl7DD	0.563	8.1	11.93	9.31	6.91	n.d.
1,2,3,4,6,7,8,9-Cl8DD	4.526	35.7	30.59	28.28	45.72	2.14
2,3,7,8-Cl4DF	n.d.	n.d.	2.61	n.d.	n.d.	n.d.
1,2,3,7,8-Cl5DF	n.d.	n.d.	8.71	n.d.	n.d.	n.d.
2,3,4,7,8-Cl5DF	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
1,2,3,4,7,8-Cl6DF	n.d.	n.d.	7.81	6.08	1.67	n.d.
1,2,3,6,7,8-Cl6DF	n.d.	n.d.	6.62	n.d.	1.37	n.d.
1,2,3,7,8,9-Cl6DF	n.d.	n.d.	9.08	7.94	n.d.	n.d.
2,3,4,6,7,8-Cl6DF	n.d.	n.d.	9.43	7.31	n.d.	n.d.
1,2,3,4,6,7,8-Cl7DF	n.d.	n.d.	10.63	7.99	2.21	0.79
1,2,3,4,7,8,9-Cl7DF	n.d.	n.d.	8.21	7.35	n.d.	n.d.
1,2,3,4,6,7,8,9-Cl8DF	0.293	n.d.	13.18	9.72	8.41	n.d.
Cl4DD	n.d.	n.d.	19.58	30.7	n.d.	n.d.
Cl5DD	0.537	5.6	13.19	22	22.04	52.25
Cl6DD	0.588	n.d.	23.29	n.d.	9.54	19.2
Cl7DD	1.175	14.5	15.35	27.34	n.d.	25.24
Cl4DF	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cl5DF	0.731	n.d.	22.83	n.d.	n.d.	49.45
Cl6DF	0.579	10.4	34.95	27.33	17.83	17.75
Cl7DF	0.299	5.3	n.d.	17.37	8.94	23.41

Table A-12
Dioxin and Furan Laboratory Results
DTSC Woolsey Fire Investigation Activities
Ventura County and Los Angeles Counties, California

ECL No.	BC00774-A	BC00775-A	BC00776-A	BC00777-A	BC00778-A
Collector's No.	LHE-LS5	ACD-LS6	AEW-LS7	AEW-LS8	JBA-LS9
Date Prep Complete	11/17/2018	11/17/2018	11/17/2018	11/17/2018	11/17/2018
Analysis Date	11/20/2018	11/20/2018	11/20/2018	11/20/2018	11/20/2018
Matrix Type	Soil	Soil	Ash	Soil	Soil
Analyte	**Conc. (pg/g)**				
2,3,7,8-Cl4DD	n.d.	n.d.	n.d.	n.d.	n.d.
1,2,3,7,8-Cl5DD	n.d.	n.d.	n.d.	n.d.	0.069
1,2,3,4,7,8-Cl6DD	n.d.	n.d.	n.d.	n.d.	n.d.
1,2,3,6,7,8-Cl6DD	2.9	n.d.	0.3743	n.d.	n.d.
1,2,3,7,8,9-Cl6DD	n.d.	n.d.	n.d.	n.d.	n.d.
1,2,3,4,6,7,8-Cl7DD	5.8	1.91	2.3183	3.8912	0.258
1,2,3,4,6,7,8,9-Cl8DD	41.5	4.7	4.9095	28.5575	1.3746
2,3,7,8-Cl4DF	n.d.	n.d.	0.3051	n.d.	n.d.
1,2,3,7,8-Cl5DF	n.d.	n.d.	n.d.	n.d.	n.d.
2,3,4,7,8-Cl5DF	n.d.	n.d.	0.474	n.d.	n.d.
1,2,3,4,7,8-Cl6DF	4.9	n.d.	0.4101	n.d.	n.d.
1,2,3,6,7,8-Cl6DF	n.d.	n.d.	0.4019	n.d.	0.0227
1,2,3,7,8,9-Cl6DF	n.d.	n.d.	0.1093	n.d.	n.d.
2,3,4,6,7,8-Cl6DF	n.d.	n.d.	0.2415	n.d.	n.d.
1,2,3,4,6,7,8-Cl7DF	3.8	n.d.	0.4158	0.5017	n.d.
1,2,3,4,7,8,9-Cl7DF	3.7	n.d.	0.0935	n.d.	0.0325
1,2,3,4,6,7,8,9-Cl8DF	12.0	n.d.	n.d.	3.1363	n.d.
Cl4DD	39.2	56.39	1.1164	0.6748	0.7254
Cl5DD	34.7	n.d.	1.6974	n.d.	n.d.
Cl6DD	13.9	23.74	2.5134	n.d.	0.7165
Cl7DD	42.6	53.04	n.d.	5.9802	n.d.
Cl4DF	n.d.	n.d.	6.391	n.d.	n.d.
Cl5DF	n.d.	n.d.	5.3432	0.4755	n.d.
Cl6DF	25.1	32.39	2.2801	2.127	0.676
Cl7DF	12.9	23.03	0.5409	2.3839	0.4562

Appendix B – 2018 Woolsey Fire SSFL Photographs

View looking north-northeast with RMHF in background,
and the Sodium Pump Test Facility in the left foreground.

Date: 11/10/2018
Time: 12:20 PM

View looking north-northeast with RMHF in background,
and the Sodium Pump Test Facility in the left foreground.

Date: 11/10/2018
Time: 12:19 PM

Looking south-southwest at the RMHF.

Date: 11/10/2018
Time: 11:52 AM

Looking west-southwest at the former Hazardous Waste Management Facility (HWMF - Building 4133)

Date: 11/10/2018
Time: 11:49 AM

Looking north-northwest across the former SRE site. The SRE was deactivated in 1968. Decommissioning began in 1974 and was completed in 1983, to the applicable "unrestricted use" standards.

Date: 11/10/2018
Time: 11:48 AM

Looking east-northeast at the former Sodium Reactor Experiment (SRE) area (grassy area in foreground.) The tarped area in the background is the former steam plant.

Date: 11/10/2018
Time: 11:49 AM

View looking north-northeast with RMHF in background,
and the Sodium Pump Test Facility in the left foreground.

Date: 11/10/2018
Time: 12:07 PM

View from the western side of SSFL, looking east toward the Coca and former Delta rocket engine test stands (in background.)

Date: 11/10/2018
Time: 12:04 PM

Looking west-northwest at the former Storable Propellant Area (SPA).
This portion of the site is associated with NASA (Area II)

Date: 11/10/2018
Time: 11:42 AM

Looking northwest at the Former Sodium Pump Test facility.

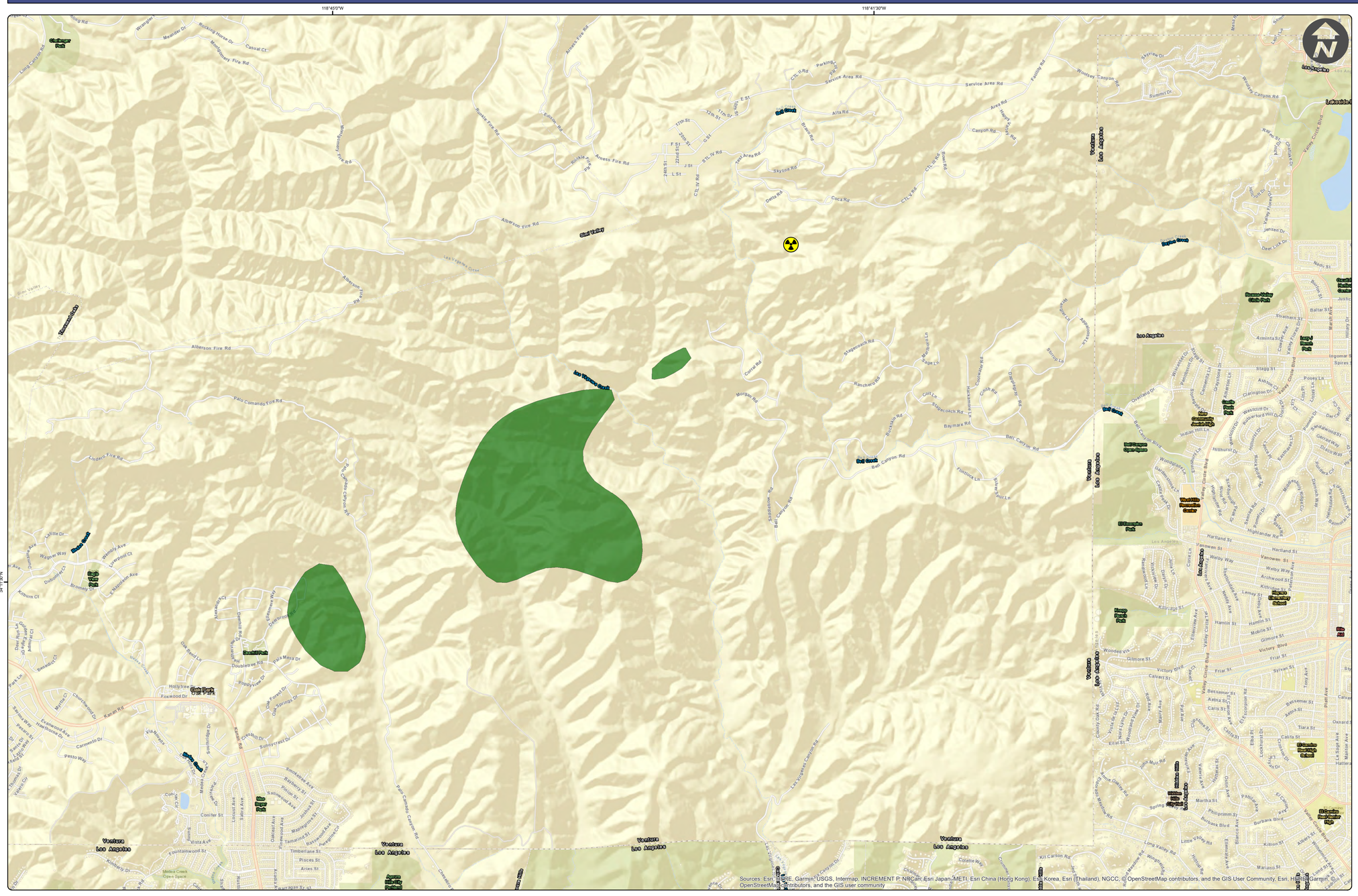
Date: 11/10/2018
Time: 11:57 AM

Appendix C – U.S. Department of Energy Radiological Assistance Program Products

POTENTIAL DOSE FROM INHALATION

Dose from Signficant Dose Contributors

V1
SANTA SUSANA FIELD LAB
SIMI VALLEY, CA



AOI

> 1.00E-6 rem

1 million times LOWER than the EPA Protective Action Guideline.

Assumptions made regarding ground contamination concentration, area consumed in the fire, and other details are very conservative. Yet, the potential for downwind doses are much less than the already conservative values published in the EPA Protective Action Guidelines.

This map was produced by the Geographic Information Systems department of NNSA's Remote Sensing Laboratory (RSL) at Nellis AFB, Las Vegas, Nevada. HSIP, ESRI World Street Map, and FRMAC databases were used for map generation.

RSL Map Identification:
InhalationDose

Scale 1:24,000

0 1 Miles

0 2 Kilometers

Created on 11/10/2018
Last modified on 11/10/2018 06:25 UTC

FRMAC APPROVED

NNSA Consequence Management Home Team
Contact (702) 794 - 1665

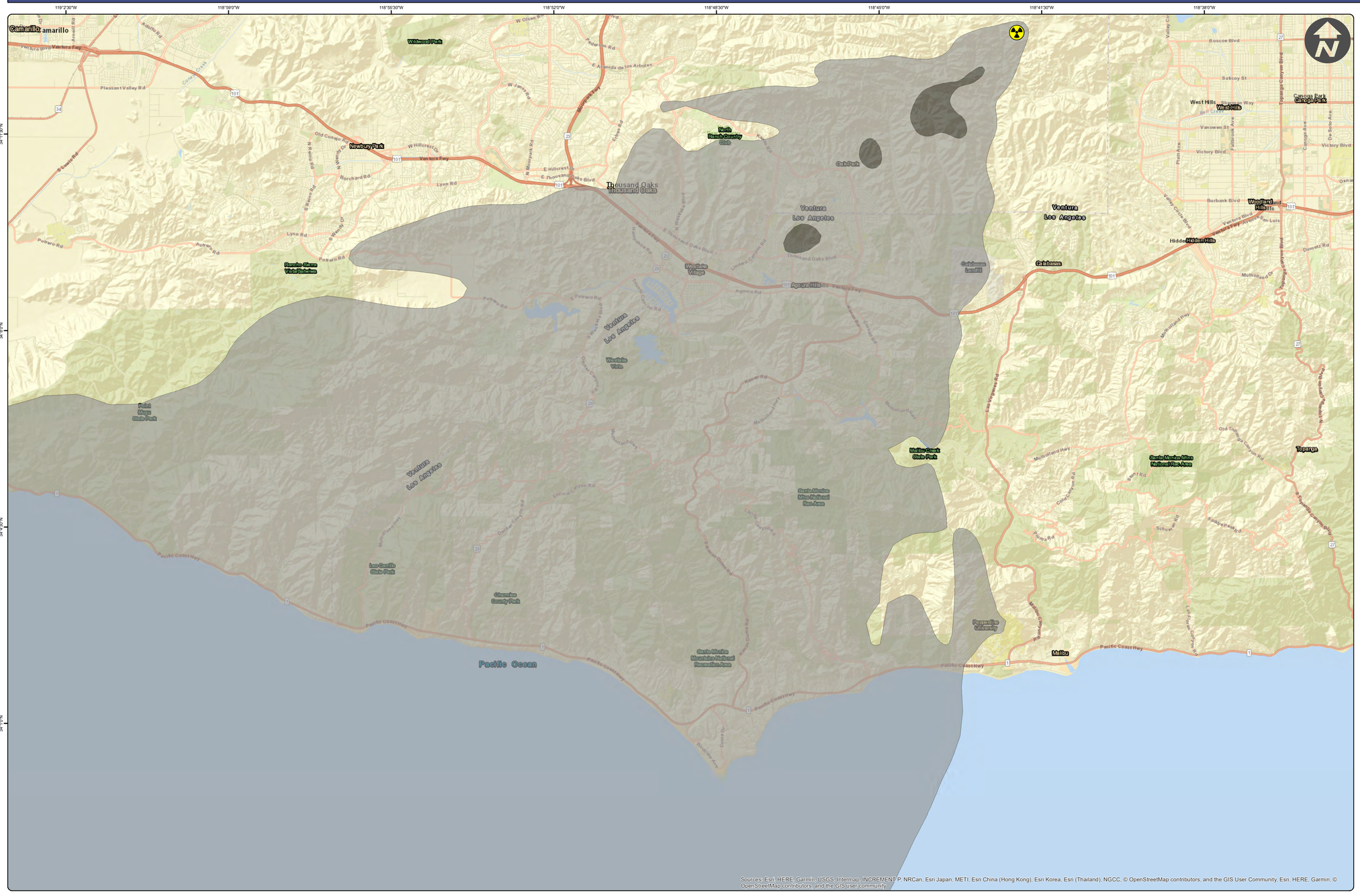
FRMAC APPROVED

NARAC
National Atmospheric Release Advisory Center

DEPOSITION RELATED TO EPA PAG

Ground Contamination of Cs-137 Related to 1st Year Relocation

V1
SANTA SUSANA FIELD LAB
SIMI VALLEY, CA



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community, Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community

- AOI
- > 2.50E-6 uCi/m2
  1 million times LOWER than the EPA Protective Action Guidelines.
- > 2.50E-7 uCi/m2
  10 million times LOWER than the EPA Protective Action Guidelines.

Useful to guide field survey activities only. Note that public protection actions are not warranted according to the EPA Protective Action Guidelines as the potential for ground deposition a million times less than published values.

This map was produced by the Geographic Information Systems department of NNSA's Remote Sensing Laboratory (RSL) at Nellis AFB, Las Vegas, Nevada. HSIP, ESRI World Street Map, and FRMAC databases were used for map generation.

RSL Map Identification:
DepositionRelatedEPAPAG

Scale 1:80,000

0 5 Miles

0 5 Kilometers

Created on 11/10/2018
Last modified on 11/10/2018 06:31 UTC

FRMAC APPROVED

NNSA Consequence Management Home Team
Contact (702) 794 - 1665

FRMAC APPROVED

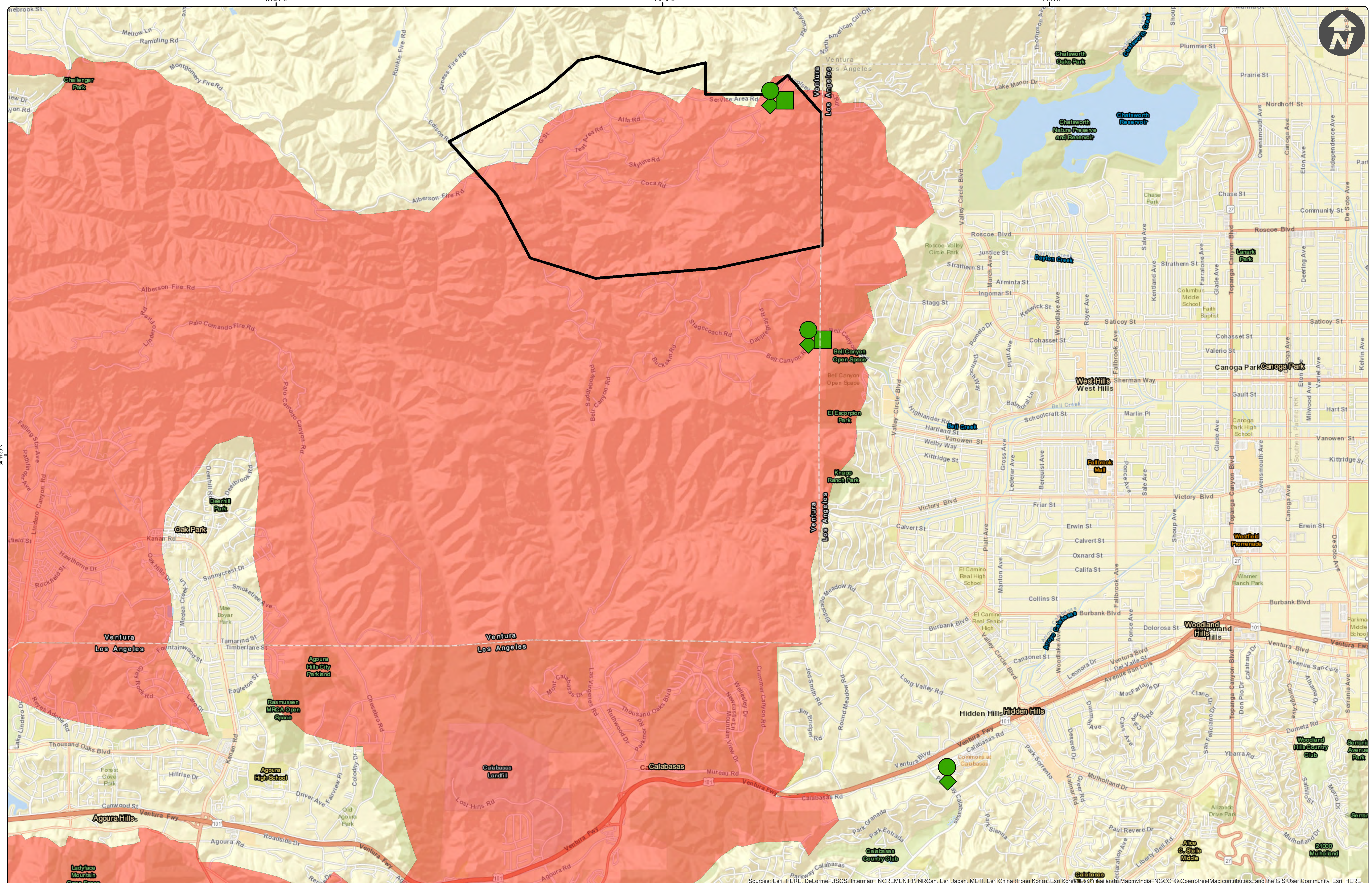
NARAC National Atmospheric Release Advisory Center

Federal TRIBAL STATE LOCAL

MONITORING RESULTS AS OF 11/12/2018

Alpha, Beta, and Gamma Measurements

V1
SANTA SUSANA FIELD LAB
SIMI VALLEY, CA



Alpha Measurements

- Consistent with Background

Beta Measurements

- Consistent with Background

Gamma Measurements

- Consistent with Background

Santa Susana Field Lab

Woolsey Fire Perimeter

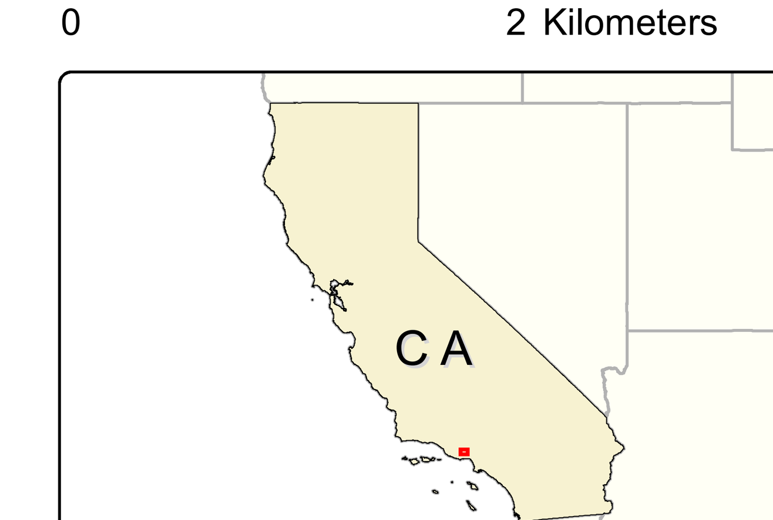
This map was produced by the Geographic Information Systems department of NNSA's Remote Sensing Laboratory (RSL) at Nellis AFB, Las Vegas, Nevada. HSIP, ESRI World Street Map, and FRMAC databases were used for map generation.

RSL Map Identification:
20181112_Field Monitoring Results_v1_update

Scale 1:34,000

0 2 Miles

0 2 Kilometers



Created on 11/12/2018
Last modified on 11/12/2018 19:35 UTC
Check for revision in 12 hours

FRMAC APPROVED

NNSA Consequence Management Home Team
Contact (702) 794 - 1665

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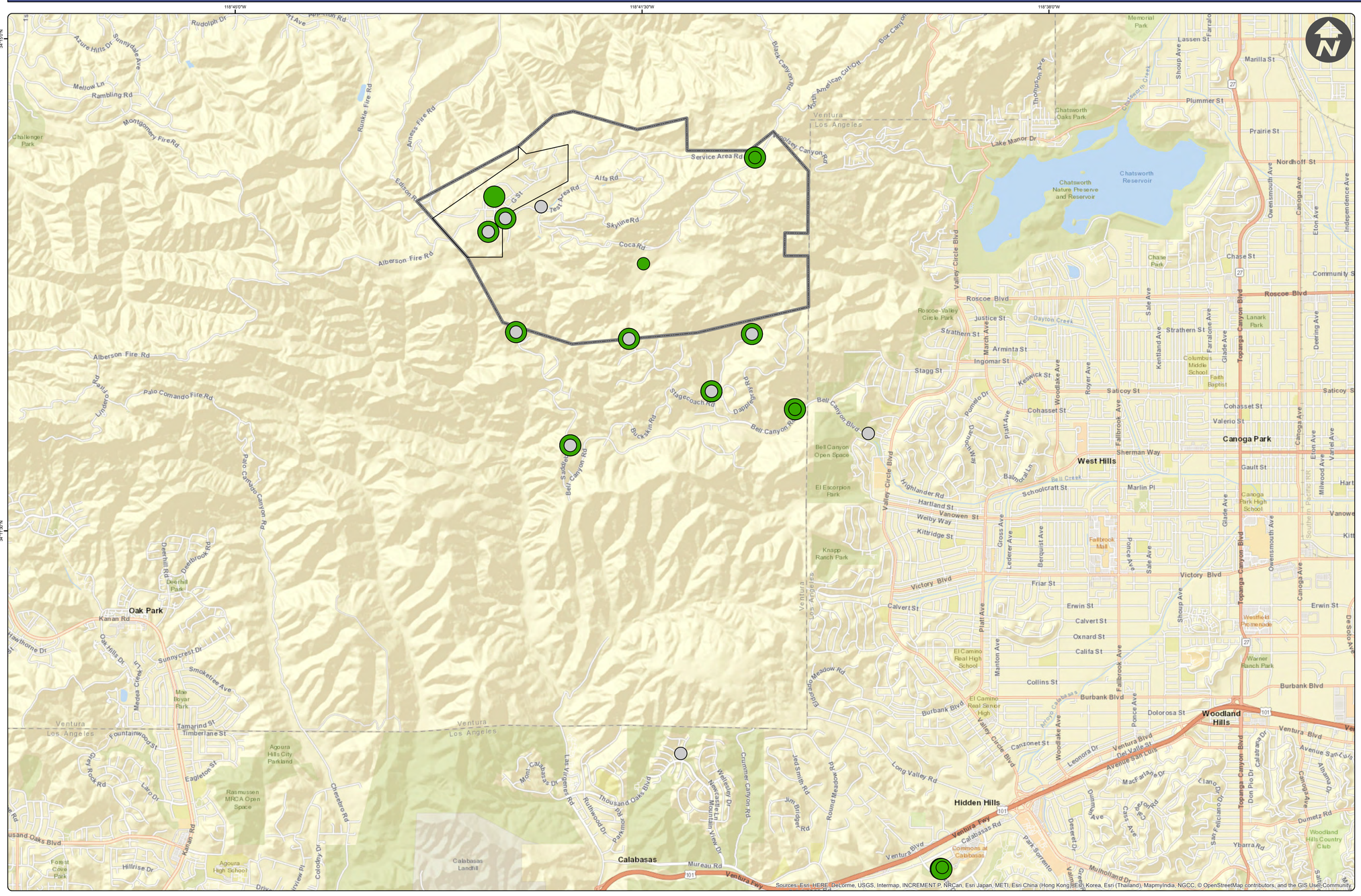
INTERAGENCY MONITORING RESULTS

Radiological Samples and Measurements

V1
SANTA SUSANA FIELD LAB
SIMI VALLEY, CA



Santa Susana Field Lab

- Area 4
- Site Boundary

DOE Field Measurements

- Consistent with Background (40)

DOE Field Samples

- Consistent with Background (6)
- Collected/Sent to Laboratory (21)

Awaiting data from interagency organizations as of the publication of this map. Only DOE data is being displayed.

This map was produced by the Geographic Information Systems department of NNSA's Remote Sensing Laboratory (RSL) at Nellis AFB, Las Vegas, Nevada. HSIP, ESRI World Street Map, and FRMAC databases were used for map generation.

RSL Map Identification:
20181113_Field Monitoring Results_v1

Scale 1:32,000

0 2 Miles

0 2 Kilometers

Created on 11/14/2018
Last modified on 11/14/2018 01:01 UTC

FRMAC APPROVED

NNSA Consequence Management Home Team
Contact (702) 794 - 1665

FRMAC APPROVED

Appendix D – National Guard 9th Civil Support Team Report

9th Civil Support Team (WMD)

Close Out Report: 19 November 2018

Section 1

Commanders

Executive Summary

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
CALIFORNIA NATIONAL GUARD
9TH Civil Support Team (Weapons of Mass Destruction)
11302A Independence Road, Los Alamitos, CA 90720

NGCA-CST-S-CR 19 November 2018

MEMORANDUM FOR: Incident Commander

SUBJECT: Commander's Executive Summary

1. IC Objectives

A. 6 Air samples in the Bell Canyon community area

B. 6 Soil samples in the Bell Canyon community area

C. Get Presumptive Analysis for Sample in ALS

D. Report Findings of Presumptive Analysis to IC

2. **Identification of contaminant**: The 9th CST identified **hydrocarbon chains** and **plant materials** during its presumptive analysis. The hydrocarbon chains may have originated from sample preparation syringe/filter materials or possibly from car oil runoff from the nearby street. Hydrocarbons are often found in soil near roadways and in residential or other areas; therefore, finding them in both the matrix background which was taken in a location known to be safe, as well as the sampling locations at Bell Canyon is unremarkable. The plant materials likely originated from plants near the sampling site. The monitoring technologies of the CST for chemicals are designed to detect volatile/semi-volatile organic compounds and not geared towards detecting heavy metals.

3. **Chronology of Events:** The 9th CST was requested by CAL EPA to provide support to the California Department of Toxic Substances Control (DTSC) on 090010NOV2018. The CST was asked to get air and soil samples in conjunction with the Department of Energy's (DOE) offsite radiation sampling efforts at Bell Canyon. The CST was asked to conduct chemical analysis at sampling locations in the Bell Canyon community area for volatile organic compounds. On 11NOV2018 the 9th CST took one air sample and soil sample at SITE ONE with DOE. Further samples were originally planned for that day. A significant increase in wind conditions changed the fire threat to the teams in that area, as a result of the increased threat the teams evacuated the sampling locations. The 9th CST conducted presumptive laboratory analysis in the ALS for SITE ONE air and soil samples on 11NOV2018 with no significant findings.

On 13NOV2018 the 9th CST resumed the sampling mission in conjunction with DOE. The initial plan for that day was to take air and soil samples from four (4) sample locations in the Bell Canyon community area. DOE completed sampling the initial four sites and decided to add two additional sample locations. The 9th CST Commander directed the CST sampling teams to return the samples from the four locations so that the lab could begin its analysis. This decision was made in order to allow the lab to start its analysis at its deployed location in an effort to allow the 9th CST Commander to provide DTSC presumptive analytic results more quickly. One of the two CST sampling teams ended up taking an additional air and soil sample in conjunction with DOE because they did not receive the message to return with the samples that were already completed due to a lag in communications. The other CST field sampling team received the message before they conducted any additional sampling. Upon completing the field sampling operations both CST sampling teams took back all samples taken to the Analytical

Laboratory System (ALS) vehicle to start the presumptive analysis to give the IC the results as quickly as possible. This is why the 9th CST has one fewer sampling location at Bell Canyon than the DOE team. The decision to command the sampling teams to return to the ALS with samples as well as to run the composite samples first was made by the 9th CST Commander in an effort to give the civilian authorities access to presumptive laboratory results in a more expeditious manner.

In total, the 9th CST took six (6) air and soil samples from six sample locations (one sample location both air and soil on day one of sampling and five additional locations both air and soil on the second day of sampling operations). On 13-14NOV2018 SITE TWO through SITE SIX samples were first analyzed as composite samples in their respective matrices with no significant findings, followed by individual sample analysis that also showed no significant findings.

4. **Survey:** the 9th CST Survey Section was tasked with collecting AIR and SOIL samples of the Bell Canyon Community according to the guidance of the Department of Energy counterparts on scene. The FLIR Instantaneous Biological Analyzer and Collector 1 (IBAC) and the Smart Air Sampler System 3100 (SASS) were utilized for filtered air analysis. A sterile plastic scoopula was utilized for the collection of soil. All samples were taken from the same locations dictated by the DOE specialists on scene. Environmental monitoring was conducted using MultiRae Pro detectors. Nothing outside of normal conditions was detected during sample collection. Descriptions of sample sites are as follows.

a. Site 1 – 21 Bell Cyn Rd. West Hills, CA 91307 (34.20612, -118.66960). Air and soil sample collected on NORTH side access road. Charred area with ashen debris. IBAC and scoopula utilized for collection. No significant changes in background from environmental detection equipment. Solid, air filter, and liquid extraction of air filter collected for analysis. Samples B239739 S(oil) and B239739 L(iquid) respectively.

b. Site 2 – 232 Saddlebow Rd., Bell Canyon, CA 91307 (34.21525, -118.70973). Air and soil sample collected on NORTH side of the cul-de-sac between two homes. The area was not significantly burned and had standard vegetation for the area. SASS and scoopula utilized for collection. No significant changes in background from environmental detection equipment. Solid, and air filter collected for analysis. Samples B234501 S(oil) and B234501 A(ir Filter) respectively.

c. Site 3 – 74 N Coolwater Rd., Bell Canyon, CA 91307 (34.21486, -118.67586). Air and soil sample collected on SOUTH side of the cul-de-sac between along the fence line. The area was not significantly burned and had standard vegetation for the area. IBAC and scoopula utilized for collection. No significant changes in background from environmental detection equipment. Solid, and air filter collected for analysis. Samples B239374 S(oil) and B239374 A(ir Filter) respectively.

d. Site 4 – 10 Wagon Ln., Bell Canyon, CA 91307 (34.21422, -118.69343). Air and soil sample collected on NORTH side of the cul-de-sac between two homes. The area was significantly burned and had charred vegetation. SASS and scoopula utilized for collection. No significant changes in background from environmental detection equipment. Solid, and air filter collected for analysis. Samples B234506 S(oil) and B234506 A(ir Filter) respectively.

e. Site 5 – 32 N Marlboro Ln., Bell Canyon, CA 91307 (34.21363, -118.68617). Air and soil sample collected on SOUTHWEST side of the cul-de-sac between along the pony wall. The area was not significantly burned and had standard vegetation for the area. IBAC and scoopula utilized for collection. No significant changes in background from environmental detection equipment. Solid, and air filter collected for analysis. Samples B234502 S(oil) and B234502 A(ir Filter) respectively.

f. Site 6 – 49 Hackamore Ln., Bell Canyon, CA 91307 (34.20920, -118.68182). Air and soil sample collected on 20 feet WEST of the side of Hackamore Road. Charred area with ashen debris. IBAC and scoopula utilized for collection. No significant changes in background from environmental

detection equipment. Solid, and air filter collected for analysis. Samples B233602 S(oil) and B233602 A(ir Filter) respectively.

5. Analytical:

A. The Analytical Laboratory Science Vehicle presumptively concluded that **hydrocarbon chains** and **plant materials** were found in environmental samples. The soil and air filter samples were analyzed using Gas Chromatography-Mass Spectrometry (GC-MS). Hydrocarbon chains may have originated from sample preparation syringe/filter materials or from car oil runoff from the nearby street. Plant materials likely originated from plants near the sampling site. No compounds were found in samples that were not in matrix background, other than plant materials.

6. Medical:

A. **Health effects**: There are no expected current or future health effects specifically relating to the findings provided by the analytical laboratory. Wildfires themselves have known adverse health effects due to the particulate matter and gaseous emissions that become airborne when vegetation and wood burn. Respiratory symptoms would likely result and would be most pronounced in those at the extremes of age and with preexisting cardiopulmonary disease.

B. **Treatment**: No treatment is required relating to the analytical findings. Individuals in and around the burn areas should exercise precaution and limit outside activity as much as possible and evacuate if asked to avoid unnecessary inhalation of fire products. If individuals suspect they have symptoms relating to the fire, they should seek medical attention for evaluation and potential treatment.

7. Contaminated Durable/Expendable Items: Refer to Close Out packet for list.

8. Follow on Actions/ Recommendations: None.

9. Questions and/or concerns can be addressed to the undersigned at (562) 254-8078 or neal.p.rodak.mil@mail.mil.

Digitally signed by
RODAK.NEAL.PATRICK.1237824926
Date: 2018.11.19 13:58:16 -08'00'

NEAL P. RODAK
Lt Col, CA ANG
Commander, 9th Civil Support Team

Section 2

Hazard Location/

Hazard Conclusions

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181111-001	B239379-S	11/11/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/11/2018	9th CST	ALS

Customer Name and Phone #: Enter here

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☒ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☐ Other (Enter here) | Sample Amount: 1.5 G

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181111 | ALS Notebook Page(s) #: 80

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: Tetredecane, and Nonane, 5 butyl are likely due to the syringe used.

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
10.764	Tetradecane	629-59-4
12.013	Nonane, 5 butyl	17312-63-9

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

ACCREDITED

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181111-001	B239379-S	11/11/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphyloccocal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here, but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. Rerun results: Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here, Rerun results: Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here,

Radiological Data Analysis

☐ Applicable ☒ Not Applicable
Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here

Non-standard Results: Enter here

METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☐ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/11/2018	Daniel Nadeau	11/11/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley	Brian Quigley 2018.11.14	11/14/2018

CUSTOMER:

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number below:

Unit POC: Brian Quigley

Unit POC phone number: 562.254.5017

To provide feedback, or submit a complaint, please go to:

Notes to the customer:

These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181111-002	B239379-L	11/11/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (If so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/11/2018	9th CST	ALS

Customer Name and Phone #: Enter here

Sample Type: ☐ Crystalline Solid/Powder ☒ Liquid ☐ Sludge ☐ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☐ Other (Enter here) | Sample Amount: 3ml

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181111 | ALS Notebook Page(s) #: 80

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: Tetradecane and octadecane are both simple hydrocarbon chains most likely originating from the plastic syringe used to prepare the sample for GCMS.

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
10.759	Tetradecane	629-59-4
12.011	Octadecane	593-45-3

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181111-002	B239379-L	11/11/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphylococcal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here, but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. **Rerun results**: Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here. **Rerun results**: Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here.

Radiological Data Analysis

☐ Applicable ☒ Not Applicable
Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here | Non-standard Results: Enter here

METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☐ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/11/2018	Daniel Nadeau	11/11/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley		11/14/2018

CUSTOMER

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number listed.

Unit POC: Brian Quigley | Unit POC phone number: 562.254.5017

To provide feedback or submit a complaint, please go to:

Notes to the customer:
These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ACCREDITED

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-001	site2 B234501S	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (If no, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised method(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: DTSC

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☒ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☐ Other (Enter here) | Sample Amount: 1.5 gm

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required). ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: Nothing found.

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
Enter RT here	Enter compound name here	Enter CAS # here
Enter RT here	Enter compound name here	Enter CAS # here

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-001	site2 B234501S	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphylococcal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here. but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. Rerun results: Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here. Rerun results: Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here.

Radiological Data Analysis

☐ Applicable ☒ Not Applicable

Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here

Non-standard Results: Enter here

METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley		11/14/2018

CUSTOMER:

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number below.

Unit POC: Brian Quigley Unit POC phone number: 562.254.5017

To provide feedback or submit a complaint, please go to:

Notes to the customer:
These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 3)

ACCREDITED

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-002	site3 B239374S	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: DTSC

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☒ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☐ Other (Enter here) | Sample Amount: 1.5 g

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: The first 4 compounds listed likely originated from plant based material (specifically a eucalyptus plant is possible). The last three listed are simple hydrocarbons likely originating from plastic syringe/filter used to prepare sample. Conclusion: Some plant material from a nearby tree or plant was collected into the soil sample. Nothing harmful detected.

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
7.576	Alpha-Phellandrene	99-83-2
7.841	Eucalyptol	470-82-6
11.083	Alloaromadendrene	25246-27-9
13.244	2-hydroxy-4-methoxyacetophenone, TBDMS derivative	0-00-0
10.708	Tetradecane	629-59-4
11.963	Hexacosane	630-01-3
13.092	Heptadecane	629-78-7
Enter RT here	Enter compound name here	Enter CAS # here

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle	Other (e.g., shape,

ACCREDITED

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-002	site3 B239374S	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

				Size (µm)	biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphyloccocal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A **positive** result has been obtained for the following target(s) Enter here. but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. **Rerun results:** Enter here
- A **negative** result has been obtained for the following target(s): Enter here.
- An **inconclusive** result has been obtained for the following target(s): Enter here. **Rerun results:** Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here.

Radiological Data Analysis

☐ Applicable ☒ Not Applicable
Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here	Non-standard Results: Enter here

METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley	[illegible]	11/14/2018

CUSTOMER:

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number below.

Unit POC: Brian Quigley — Unit POC phone number: 562[illegible]

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-002	site3 B239374S	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

To provide feedback or submit a complaint, please go to:

Notes to the customer:

These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-003	site4 B234506(S)	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: DTSC

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☒ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☐ Other (Enter here) | Sample Amount: 1.5 gm

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected

Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: Simple carbon chains found, likely coming from the plastic syringe filter tip used to prepare the sample.

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
10.704	Tetradecane	629-59-4
11.962	Nonadecane	629-92-5
13.092	Heptadecane	629-78-7

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

A2LA ACCREDITED

ALS Testing Certificate #: 3202.04

ALS Sample ID 9-181113-003	Original Sample ID site4 B234506(S)	Report Date 11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphyloccocal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here, but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. **Rerun results**: Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here, **Rerun results**: Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here

Radiological Data Analysis

☐ Applicable ☒ Not Applicable

Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here	Non-standard Results: Enter here

METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley	[signature]	11/14/2018

CUSTOMER

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number below.

Unit POC: Brian Quigley	Unit POC phone number: [illegible]

To provide feedback or submit a complaint, please go to: [illegible]

Notes to the customer:

These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 3)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-004	site5 B234502(S)	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if no, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: DTSC

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☒ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☐ Other (Enter here) | Sample Amount: 1.5 gm

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: All compounds found were natural plant based compounds.

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
7.838	Eucalyptol	470-82-6
11.093	Aromandendrene	489-39-4
13.201	Lauraldehyde	112-54-9
13.643	2-nonadecanone	629-66-3
14.234	1,2,15,16-diepoxyhexadecane	0-00-0

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics: Particle Size (µm)	Particle Characteristics: Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 3)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-004	site5 B234502(S)	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphylococcal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here. but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. Rerun results: Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here. Rerun results: Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here

Radiological Data Analysis

☐ Applicable ☒ Not Applicable
Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here

Non-standard Results: Enter here

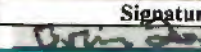
METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley		11/14/2018

CUSTOMER

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number below:

Unit POC: Brian Quigley

Unit POC phone number: 562.254.5017

To provide feedback or submit a complaint, please go to:

Notes to the customer:

These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.

F-12A ALS Test Report Form (Optional with Logo) (Page 3 of 3)

ACCREDITED

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-004	site5 B234502(S)	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-005	site6 B233602S	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (If so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: DTSC

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☒ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☐ Other (Enter here) | Sample Amount: 1.5 gm

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: Simple carbon chain found, likely originating from sample prep syringe.

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
11.967	Hexacosane	630-01-1
Enter RT here	Enter compound name here	Enter CAS # here

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-005	site6 B233602S	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (If so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphylococcal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here, but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. **Rerun results:** Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here, **Rerun results:** Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here

Radiological Data Analysis

☐ Applicable ☒ Not Applicable

Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here | Non-standard Results: Enter here

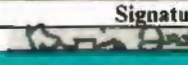
METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley		11/14/2018

CLOSEOUT:

If there are any questions, comments, or concerns about these results, please contact the Lead POC at the phone number below:

Lead POC: Brian Quigley — Lead POC phone number: 562.254.5017

To provide feedback or submit a complaint, please go to:

Notes to the customer:

These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-006	site2 B234501A	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: DTSC

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☐ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☒ Other (filter) | Sample Amount: 2" diameter

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required). ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: Enter here

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
Enter RT here	Enter compound name here	Enter CAS # here
Enter RT here	Enter compound name here	Enter CAS # here

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-006	site2 B234501A	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (If so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphylococcal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here, but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. **Rerun results:** Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here. **Rerun results:** Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here,

Radiological Data Analysis

☐ Applicable ☒ Not Applicable

Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here

Non-standard Results: Enter here

METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley		11/14/2018

CLIENT NOTE:

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number below:

Unit POC: Brian Quigley

Unit POC phone number: 562.254.5017

To provide feedback or submit a complaint, please go to:

Notes to the customer:
These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-007	site3 B239374A	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: DTSC

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☐ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☒ Other (filter) | Sample Amount: 2" diameter

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: Enter here

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable | ☒ QC Performed ☒ Met ST QC Criteria

GC/MS Notes: Enter here | QC Notes: Enter here

Retention Time	Compound	CAS #
Enter RT here	Enter compound name here	Enter CAS # here
	Enter compound name here	Enter CAS # here

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable | ☐ QC Performed ☐ Met ST QC Criteria

FTIR Notes: Enter here | QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable

PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable | ☐ QC Performed ☐ Met ST QC Criteria

Fluorescence Notes: Enter here | QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable | ☐ QC Performed ☐ Met ST QC Criteria

PCR Notes: Enter here | QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

ACCREDITED

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-007	site3 B239374A	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (If so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphyloccocal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A **positive** result has been obtained for the following target(s) Enter here, but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. **Rerun results:** Enter here
- A **negative** result has been obtained for the following target(s): Enter here.
- An **inconclusive** result has been obtained for the following target(s): Enter here. **Rerun results:** Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here

Radiological Data Analysis

☐ Applicable ☒ Not Applicable
Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here | **Non-standard Results:** Enter here

METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley	[signature]	11/14/2018

CUSTOMER:

If there are any questions, comments, or concerns about these results, please [illegible]

Unit POC: Brian Quigley | [illegible] phone number: [illegible]

To provide feedback or submit a complaint, please go to: [illegible]

Notes to the customer:
These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ACCREDITED

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-008	site4 B234506A	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: DTSC

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☐ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☒ Other (filter) | Sample Amount: 2" diameter

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: Enter here

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
	Enter compound name here	Enter CAS # here
	Enter compound name here	Enter CAS # here

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-008	site4 B234506A	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (If so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphylococcal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here, but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. **Rerun results:** Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here. **Rerun results:** Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here.

Radiological Data Analysis

☐ Applicable ☒ Not Applicable
Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here | Non-standard Results: Enter here

METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley		11/14/2018

CUSTOMER:

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number below:

Unit POC: Brian Quigley | Unit POC phone number: 562.254.5017

To provide feedback or submit a complaint, please go to:

Notes to the customer:

These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-009	soilmix1	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: DTSC

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☒ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☐ Other (Enter here) | Sample Amount: 3 G

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: Nonadecane (carbon chain) found in spectrum but likely due to plastic pipette tip/syringe filter.

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
11.990	Nonadecane	629-92-5
Enter RT here	Enter compound name here	Enter CAS # here

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-009	soilmix1	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphyloccocal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here, but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. Rerun results: Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here. Rerun results: Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here.

Radiological Data Analysis

☐ Applicable ☒ Not Applicable
Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here | Non-standard Results: Enter here

METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley	Brian Quigley	11/14/2018

CUSTOMER:

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number below:

Unit POC: Brian Quigley | Unit POC phone number: 502.254.5017

To provide feedback or submit any complaint, please go to:

Notes to the customer:
These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-010	filtermix1	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Suzanna Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: Enter here

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☐ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☒ Other (filter) | Sample Amount: 2" diameter

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: Very small peak best identified as butyl octyl phthalate (a plasticizer used to reinforce plastic) most likely originating from plastic edge of paper filter.

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Test)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
14.016	Butyl octyl phthalate	84-78-6
Enter RT here	Select compound name here	Enter CAS # here

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-010	filtermix1	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphyloccocal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here, but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. Rerun results: Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here. Rerun results: Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here.

Radiological Data Analysis

☐ Applicable ☒ Not Applicable

Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here

Non-standard Results: Enter here

METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley		11/14/2018

COMMENTS:

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number below:

Unit POC: Brian Quigley Unit POC phone number: 562.254.5017

To provide feedback or submit a complaint, please go to:

Notes to the customer:
These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-011	site5 B234502A	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: DTSC

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☐ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☒ Other (filter) | Sample Amount: 2" diameter

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected	Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]: Enter here

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
Enter RT here	Enter compound name here	Enter CAS # here
Enter RT here	Enter compound name here	

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-011	site5 B234502A	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphyloccocal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

Hand Held Immunoassay (HHA)

☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here, but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. **Rerun results:** Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here. **Rerun results:** Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here.

Radiological Data Analysis

☐ Applicable ☒ Not Applicable
Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here | Non-standard Results: Enter here

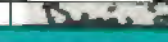
METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley		11/14/2018

CUSTOMER:

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number below.

Unit POC: Brian Quigley | Unit POC phone number: 562.254.5017

To provide feedback or submit a complaint, please go to:

Notes to the customer:
These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
Data provided by the customer is identified in the final call notes above and can affect the validity of the results.
Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

F-12A ALS Test Report Form (Optional with Logo) (Page 1 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-012	site6 B233602A	11/13/2018

REVISED REPORT SECTION

☐ Check here if this is a revised report (if so, complete this section)	Date of the original report: Select original report date	Initials of person making the change: Enter here
	List the revised section(s): Enter here	List the reason for the change: Enter here

NOTE: To add additional rows in any of the light yellow areas, touch the row and hit the plus (+) sign on the right.

Incident ID:	Sample Receipt Date:	Operator Unit #:	Testing Location/ALS (if diff):
Santa Susana Response	11/13/2018	9th CST	ALS

Customer Name and Phone #: DTSC

Sample Type: ☐ Crystalline Solid/Powder ☐ Liquid ☐ Sludge ☐ Soil/Solid ☐ Vegetation ☐ Wipe/Swab ☒ Other (filter) | Sample Amount: 2" diameter

☒ Looked for unknown hazards AND/OR ☐ Looked for specific hazard(s) listed here: Enter here

☒ Analyzed per ST (with deviations, if required), ST version: 3-11.461 Version 3 AND/OR

☐ Analyzed per method/instructions listed here: Enter here

FINAL RESULTS SECTION

☒ Check here if nothing of interest was detected | Test Results: Enter final test results here

Analysis Date(s): 20181113 | ALS Notebook Page(s) #: 82

Did the customer require any sample handling deviations that could have affected the reported results? ☐ Yes ☒ No

Final Call Notes [Technical judgments, opinions, and interpretations, if applicable, and the basis for these opinions]:

STANDARD TEST RESULTS (Standard analytical testing performed in accordance with the Special Text)

Shimadzu QP2010+ GC/MS

☒ Applicable ☐ Not Applicable
GC/MS Notes: Enter here

☒ QC Performed ☒ Met ST QC Criteria
QC Notes: Enter here

Retention Time	Compound	CAS #
Enter RT here	Enter compound name here	Enter CAS # here
Enter RT here	Enter compound name here	Enter CAS # here

IlluminatIR FTIR

☐ Applicable ☒ Not Applicable
FTIR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Sample appears to consist of a: Select

Compound	CAS #
Enter compound name here	Enter CAS # here

Polarized Light Microscopy

☐ Applicable ☒ Not Applicable
PLM Notes: Enter here

Sample appears to consist of a: Select

Possible Identification(s)	Mounting Media/Refractive Index(es) Used	General Habit or Shape	Size (µm)	Color/ Pleochroism	Relative Refractive Index(es)	Birefringence: Isotropic, Low, Mod., or High	Extinction Characteristics	Sign of Elongation
Possible ID here	Enter here	Enter here	Enter here	Enter here	Enter here	Select	Enter here	Select

EPI-Fluorescence Microscopy

☐ Applicable ☒ Not Applicable
Fluorescence Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Autofluorescence Assessment

Excitation Color	Autofluorescence Color	Comments
UV	Enter here	UV comments here
Blue	Enter here	Blue comments here
Green	Enter here	Green comments here

Induced Fluorescence of Biological Particles

Possible Identification(s)	Probe	Excitation Color	Emission Color	Particle Characteristics	
				Particle Size (µm)	Other (e.g., shape, biological patterning, etc.)
Possible ID here	Select or type probe used	Enter here	Enter here	Enter here	Enter here

JBAIDS PCR

☐ Applicable ☒ Not Applicable
PCR Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Tier 1 Target(s)	Result	Tier 2 Target(s)	Result
Select or type Target here	Select	Select or type Target here	Select

F-12A ALS Test Report Form (Optional with Logo) (Page 2 of 2)

ALS Testing Certificate #: 3202.04

ALS Sample ID	Original Sample ID	Report Date
9-181113-012	site6 B233602A	11/13/2018

REVISED REPORT SECTION

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PR2 ECL

☐ Applicable ☒ Not Applicable
ECL Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

Target	Result	Notes
Bot – Botulinum toxin	Select	Bot-specific notes here
SEB – Staphylococcal enterotoxin B	Select	SEB-specific notes here
Ricin	Select	Ricin-specific notes here

SCREENING AND RADIOLOGICAL RESULTS (Performed using methods and/or instruments included in ST)

Wet Chemical Paper Tests

☐ Applicable ☒ Not Applicable
Paper Test Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- M8 indicates sample is ☐ Aqueous OR ☐ Organic (color Enter here)
- pH is Enter here ☐ Acidic, ☐ Neutral, OR ☐ Basic
- Starch Iodide indicates sample is ☐ Oxidizing OR ☐ Non-oxidizing

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☐ Applicable ☒ Not Applicable
HHA Notes: Enter here

☐ QC Performed ☐ Met ST QC Criteria
QC Notes: Enter here

- A positive result has been obtained for the following target(s) Enter here, but does not necessarily indicate presence of viable, pathogenic microorganisms or active toxin. **Rerun results:** Enter here
- A negative result has been obtained for the following target(s): Enter here.
- An inconclusive result has been obtained for the following target(s): Enter here. **Rerun results:** Enter here

M256A

☐ Applicable ☒ Not Applicable
M256A Notes: Enter here

☐ Results are negative OR Analysis indicates the presence of ☐ Nerve Agents, ☐ Blister Agents, ☐ Blood Agents, ☐ Lewisite

Raid-M IMS

☐ Applicable ☒ Not Applicable
RAID-M Notes: Enter here

☐ Results are negative OR ☐ Analysis indicates the presence of Enter here,

Radiological Data Analysis

☐ Applicable ☒ Not Applicable
Isotopes: Enter here
Other Radiological Information and Notes: Enter here

NON-STANDARD TEST RESULTS (Performed using methods and/or instruments NOT included in ST)

Non-standard method and/or instrument used: Enter here

Non-standard Results: Enter here

METHOD DEVIATIONS

Were there any deviations made to the standard Special Text methods that were used for the analysis of this sample? ☒ No ☐ Yes If yes, list below:

Deviation Number:	Brief Description of Deviation:
Deviation # here	Description here

SAMPLE ANALYZED BY:		TEST REPORT REVIEWED BY:	
Name	Date	Name	Date
Brian Quigley	11/13/2018	Daniel Nadeau	11/13/2018

REPORT AUTHORIZED FOR RELEASE BY:

Name	Signature (if applicable)	Date
Brian Quigley		11/14/2018

CUSTOMER:

If there are any questions, comments, or concerns about these results, please contact the Unit POC at the phone number below:

Unit POC: Brian Quigley

Unit POC phone number: 562.254.5017

To provide feedback or submit a Complaint, please go to:

Notes to the customer:

These results pertain only to the sample as received and only to the portion tested
Copies of this test report should be made in full.
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Deviation Forms listed above are available for review upon request.
If any environmental conditions were required for interpreting results, they are included in the Final Call Notes section.
Any additional comments for the customer can be entered here

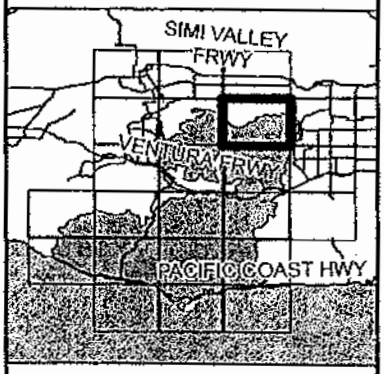
Section 3

Schematics or Maps of Event and Hazards Location

Woolsey Incident

CA-LAC-338981
November 12, 2018
Page 6 of 23

- Division Break
- Branch Break
- Drop Point
- Uncontroll... Fire Edge
- Completed Line
- Completed Dozer Line

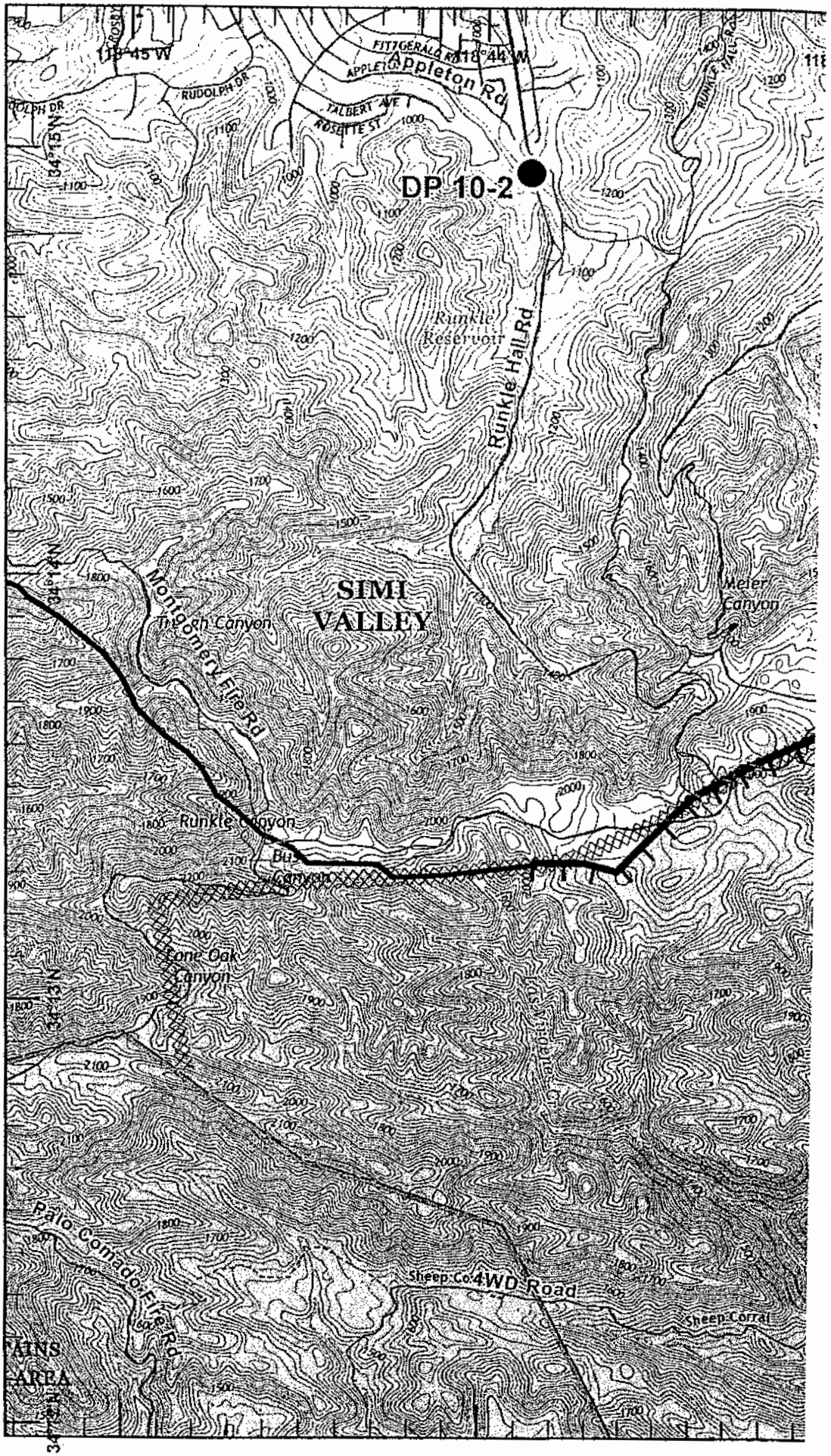


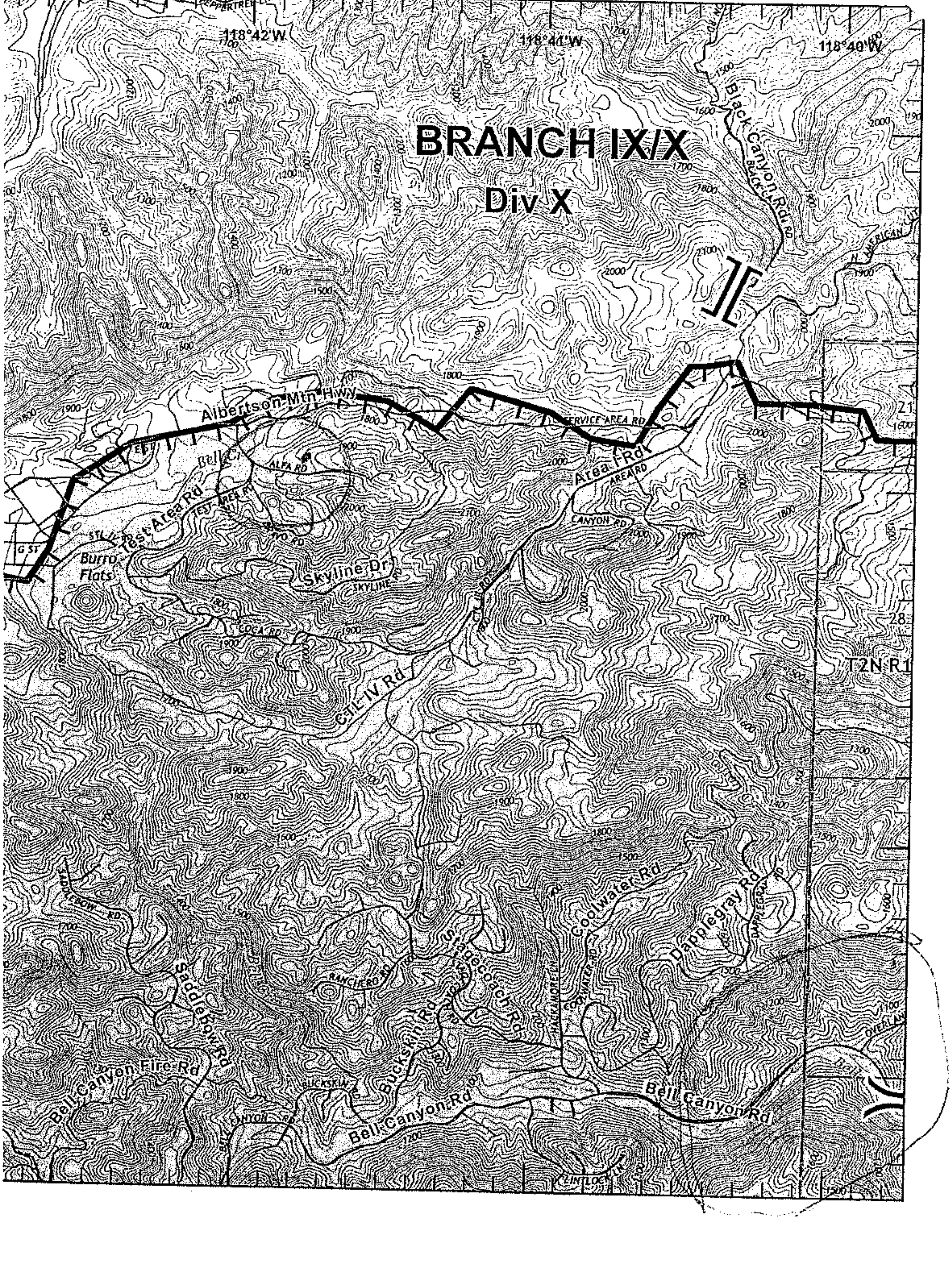
N
W E
S

Miles
0 0.125 0.25 0.5

1:24,000

11/12/2018
00:56 hrs





118°42'W
118°41'W
118°40'W
BRANCH IX/X
Div X
Black Canyon Rd
Albertson Mtn Hwy
Service Area Rd
Area I Rd
Test Area Rd
Burro Flats
Skyline Dr
Coca Rd
CTL IV Rd
Canyon Rd
T2N R1
Saddlebow Rd
Bell Canyon Fire Rd
Ranchero Rd
Stagecoach Rd
Buckskin Rd
Coolwater Rd
Dapplegray Rd
Bell Canyon Rd

Section 4

Photographs-N/A

Section 5

Proof of incidents Debrief by Medical Section for hazards and potential medical issues-No Medical Issues Endured

Section 6

Material Safety Data Sheet (MSDS) and/or other informational material providing hazard data on material(s) located on-site

Radioactive Material Safety Data Sheet

This data sheet presents information on radioisotopes only. This document is not subject to WHMIS requirements.
For information on chemical compounds incorporating this radionuclide, see the relevant Material Safety Data Sheet.

Cesium-137

Part 1 – Radioactive Material Identification

Common Names: Cesium-137 **Chemical Symbol:** Cs-137 or ^{137}Cs

Atomic Number: 55 **Mass Number:** 137 (82 neutrons)

Chemical Form: Cesium chloride **Physical Form:** A pellet of cesium ceramic housed in a welded stainless steel capsule

Part 2 – Radiation Characteristics

Physical half-life: 30.22 years **Specific Activity (GBq/g):** 3,220

Principle Emissions	E_{Max} (keV)	E_{eff} (keV)	Dose Rate (μSv/h/GBq at 1m)	Shielding Required
Beta* (β)	511 (94.6%)	157	-	-
Gamma (γ) / X-Rays	662 (89.9%)	-	103[a]	HVL Lead: 0.65 cm
Alpha (α)	-	-	-	-
Neutron (n)	-	-	-	-

* Where Beta radiation is present, Bremsstrahlung radiation will be produced. Shielding may be required.
Note: Only emissions with abundance greater than 10% are shown.
[a] *The Health Physics and Radiological Health Handbook*, Scintra, Inc., Revised Edition, 1992

Progeny: Barium-137m (Ba-137m)

Part 3 – Detection and Measurement

Methods of detection (in order of preference)

1. A radiation survey meter equipped with an energy-compensated Geiger Mueller detector.
2. Ion chamber survey meter – tends to be less sensitive than a Geiger Mueller survey meter but is able to respond more precisely in higher radiation fields.
3. Gamma scintillation detector – very sensitive but is also anergy dependent. Must be calibrated for Cs-137 before it can be used for dose assessment surveys.

Dosimetry

Whole Body ☑	Skin ☐	Extremity ☐	Neutron ☐

Internal:	Sealed sources pose no internal radiation hazard. However, in the event of loss of containment by the sealed source, all precautions should be taken to prevent inhalation or ingestion of the material.	
Critical Organ(s):	None known at this time.	
Annual dose limits:	*Non-nuclear energy workers:*	1mSv per year
	Nuclear energy workers:	a) 50 mSv in one year
		b) 100 mSv total over five years
	Pregnant nuclear energy workers:	4 mSv over the balance of the pregnancy

Part 4 – Preventive Measures

Always use the principles of time, distance and shielding to minimize dose

Engineering Controls:	Sealed radioactive sources used in industrial applications should always be within a protective source housing to minimize radiation dose and to protect the source capsule from damage.
Personal Protective Equipment (*for normal handling of unsealed sources only. Always wear disposable gloves, safety glasses, personal protective equipment and clothing as appropriate to the material handled).* No special PPE required.	
Special Storage Requirements:	None

Part 5 – Control Levels

Oral Ingestion	Inhalation	
ALI (kBq)	ALI (kBq)	DAC (Bq/ml)
3700	7400	2.2×10^{-3}
Exemption Quantity (EQ):	10,000 Bq	

Part 6 – Non-Radiological Hazards

No potential health effects are known regarding non-radiological hazards associated with cesium. However, large oral doses of the material may cause gastrointestinal disturbances. Chronic effects are not known at this time.

<u>*OSHA Permissible Exposure Limit (PEL):*</u>

15 mg/m3 total dust, 5 mg/m3 respirable fraction for nuisance dusts

Part 7 - Emergency Procedures

*The following is a guide for first responders. The following actions, including remediation, should be carried out by qualified individuals. In cases where life-threatening injury has resulted, **first** treat the injury, **second** deal with personal decontamination.*

Personal Decontamination Techniques

- Wash well with soap and water and monitor skin
- Do not abrade skin, only blot dry
- Decontamination of clothing and surfaces are covered under operating and emergency procedures

Spill and Leak Control

- Alert everyone in the area
- Confine the problem or emergency (includes the use of absorbent material)
- Clear area
- Summon Aid

Damage to Sealed Radioactive Source Holder

- Evacuate the immediate vicinity around the source holder
- Place a barrier at a safe distance from the source holder (min. 5 meters)
- Identify area as a radiation hazard
- Contact emergency number posted on local warning sign

Suggested Emergency Protective Equipment

- Gloves
- Footwear Covers
- Safety Glasses
- Outer layer or easily removed protective clothing (as situation requires)

This information was prepared by:

Stuart Hunt & Associates Ltd.
20 Rayborn Crescent
St. Albert, Alberta
T8N 5C1
Phone: (780) 458-0291 or (800) 661-4591
Fax: (780) 459-0746
Web site: www.stuarthunt.com

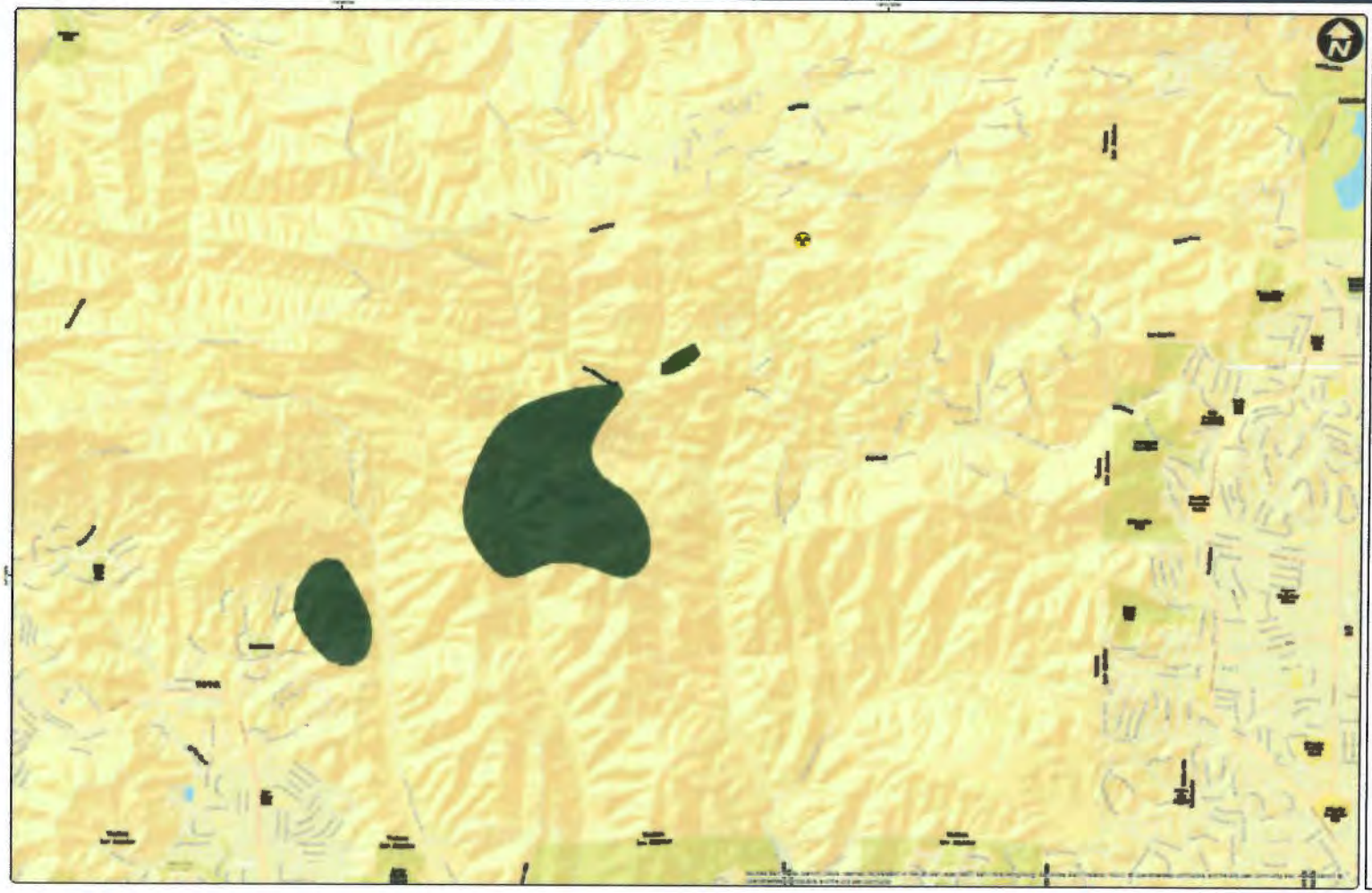
Section 7

Hazard Modeling Data

POTENTIAL DOSE FROM INHALATION

Dose from Signficant Dose Contributors

V1
SANTA SUSANA FIELD LAB
SIMI VALLEY, CA



AOI

> 1.00E-6 rem

1 million times LOWER than the EPA Protective Action Guideline.

Assumptions made regarding ground contamination concentration, area consumed in the fire, and other details are very conservative. Yet, the potential for downwind doses are much less than the already conservative values published in the EPA Protective Action Guidelines.

This map was produced by the Geographic Information Systems department of NNSA's Remote Sensing Laboratory (RSL) at Nellis AFB, Las Vegas, Nevada. HIFP, ESRI World Street Map, and FRMAC databases were used for map generation.

RSL Map Identification: InhalationDose

Scale 1:24,000

0 1 Miles

0 2 Kilometers

Created on 11/10/2018
Last modified on 11/10/2018 06:25 UTC

FRMAC APPROVED

NNSA Consequence Management Home Team
Contact (702) 794 - 1665

FRMAC APPROVED

NARAC

DEPOSITION RELATED TO EPA PAG

Ground Contamination of Cs-137 Related to 1st Year Relocation

V1
SANTA SUSANA FIELD LAB
SIMI VALLEY, CA

AOI
> 2.50E-6 uCi/m2
1 million times LOWER than the EPA Protective Action Guidelines.
> 2.50E-7 uCi/m2
10 million times LOWER than the EPA Protective Action Guidelines.

Useful to guide field survey activities only. Note that public protection actions are not warranted according to the EPA Protective Action Guidelines as the potential for ground deposition a million times less than published values.

This map was produced by the Geographic Information Systems department of NNSA's Remote Sensing Laboratory (RSL) at Nellis AFB, Las Vegas, Nevada. NIMP, ESRI World Street Map, and FRMAC databases were used for map generation.

RSL Map Identification:
DepositionRelatedtoEPAPAG

Scale 1:80,000

0 5 Miles
0 5 Kilometers

Created on 11/10/2018
Last modified on 11/10/2018 06:31 UTC

FRMAC APPROVED

NNSA Consequence Management Home Team
Contact (702) 794 - 1665

FRMAC APPROVED

NARAC

Section 8

Situational Reports

Whitaker, David A (Whit) SFC USARMY NG CAARNG (US)

From: Quinonez, Brian SSG USARMY NG CAARNG (US)
Sent: Monday, November 19, 2018 8:43 AM
To: NG CA CAARNG Mailbox JOC OPS; NG NCR NGB ARNG Mailbox CBRN J39
Cc: Cho, Samuel H CPT USARMY NG CAARNG (US); Rodak, Neal P Lt Col USAF NG CAANG (US); Whitaker, David A (Whit) SFC USARMY NG CAARNG (US); Whitley, Garrick D (Garry) 1SG USARMY NG CAANG (US)
Subject: GENTEXT SITREP 7 (Woolsey Fire)

SITUATION REPORT / PERIOD // Period 7: 084119NOV2018

SITUATION// 9th CST has been requested by CAL EPA to support the Fire IC for public safety assessments of hazards related to the Woolsey Fire incident. Capability requested is communication, laboratory testing, monitoring.

2. INTELLIGENCE// There were no known specific threats against this event// 9th CST is working closely with DOE for sources for this mission.

3. OPERATIONS// Provide integrated Situational Awareness (SA) and O/O integrated CBRN response to requesting authorities utilizing strike team capabilities in coordination with civil authorities IOT enhance security and public safety throughout the Ventura County. Provide civil authorities with the ability to provide rapid identification, assessment, and advice regarding the mitigation of any hazards discovered. Provide hazard modeling and communications interoperability utilizing the Mobile Field Kit (MFK) and Android Tactical Assault Kit (ATAK)/

DAY 1

(0900) IRT was alerted

(1300) IRT was in route to Ventura County from Los Alamitos JFTB

(1600) Arrived at 1 Black Canyon Rd, Simi Valley, CA 93063

(1611) IRT linked up with DOE

(1620) DOE link up was complete.

(1630) ADVON is up and connected.

(1632) The survey team is prepping equipment for downrange operations.

(1900) IRT SP to lodging location.

(2030) IRT arrived at lodging location 24150 Park Sorrento, Calabasas, CA 91302

Day 2

(0730) Survey Team SP for staging area to area 4 for environmental sampling.

(0750) Winds will be from the NE to SW between 7-27 MPH from now until 1800HRS. 1900hrs winds direction will be from N to S at 21 MPH.

(0838) ADVON moving to Area 4 location.

(0853) Site 1 sample 1 complete.

(0907) Sample 1 en-route to ALS

(0944) Sample 1 has been delivered to ALS, White Van moving to pick up sample 2.

(0950) Due to fire picking up hazardous conditions have increased. Survey Team is heading back to staging area.

(1000) Everyone meet back at the staging area ASAP and regroup and plan.

(1004) Bell Canyon Community entry team is back to staging area.

(1007) Soil sample 1 is on GCMS now.

(1039) Nothing of interest detected from GCMS on the soil sample taken from location 1 (NSMO)

(1234) Nothing of interest detected from air sample buffer solution.

(1622) Meeting in the conference room with DOE.

(1630) Need to evacuate hotel due to fire shifting. Hotel no longer deemed safe.

(1700) Moving to new lodging location at 15433 Ventura Blvd, Sherman Oaks, CA 91403.

(1800) Arrived at Courtyard.

Day 3

IRT on Standby due to Red Flag warning and fire conditions.

Day 4

(0705) Survey Team SP from staging area to sampling sites.

(0708) 9th CST Commander and 1SG arrive at Freedom Park.

(0735) Woolsey Incident shift brief complete no change to AO. Information previously briefed.

(0747) Division A will be located at overland Bell Canyon Rd.

(0806) Site Safety plan signed. Sampling can commence.

(0810) Survey Team 1 beginning environmental sampling time now.

(0828) Survey Team 1 sample complete.

(0835) ALS completely ready to receive samples, LQCS and pre-sample blank complete and passed.

(0857) Survey Team 2 has completed sample at site 3

(0905) Survey Team 1 beginning environmental sampling at site 4.

(0934) Survey Team 1 sample completed at site 4.

(1011) All samples at the 4 sites have been collected and the vehicle will all the samples will be heading towards the ALS.

(1050) Alpha moving out to ALS.

(1051) Site 6 complete.

(1111) All Teams heading back to staging area.

(1205) All samples for EPA and DOE have been conducted.

(1246) Soil and Air samples have been prepared for GCMS Analysis. Soil sample mix is currently being analyzed now.

(1346) OPS back to staging area.

(1526) Nothing of interest detected from the paper filter mix sample.

(1600) IRT heading back to Home Station for refit.

Day 5

On Standby

Day 6

On Standby

Day 7

On Standby

Day 8

On Standby

Day 9

On Standby

4. LOGISTICS//Self-sustaining on a local economy.

Personnel: 14 PAX

ADVON (9th CST)

ALS (9th CST)

ALPHA Truck (9th CST)

Survey Trailer (9th CST)

Bravo Truck (9th CST

DECON Truck (9th CST)

OPS Truck (9th CST)

White Van (9TH CST)

5. COMMUNICATIONS-CONNECTIVITY/POINTS OF CONTACT// Primary: Radio 800 MHz radio/Alternate: TAK, Cell / Contingency: SAT phone/Emergency: civilian 911 system. POC on the ground is CPT Sam Cho: 562-254-9584/

6. PERSONNEL (DETAIL SERVICE, LOCATION, MISSION AND NUMBERS)// 11 PAX (4 OFFICER//10 ENLISTED) located at Home Station 11302 Independence Road Los Alamitos Ca.

7. MEDICAL (MILITARY PERSONNEL HOSPITALIZED OR INJURED, REASON FOR HOSPITALIZATION/INJURY): No significant injuries or concerns. Local EMS will be utilized if any medical issues are endured.

8. INTERAGENCY COORDINATION//: CAL EPA Greg Vlasek (916-708-3885), DOE, DTSC Tom Seekington (562-822-8848)

9. DOMESTIC SUPPORT ACTIVITIES//: N/A

10. COMMENTS: Will update if SIGACT occurs.

A. EVENTS LAST 12 HOURS: 9th CST has provided an environmental sampling of specific locations designated by DOE, of the area affected by the Woosley Fire.

B. NEXT 12 HOURS: The 9th CST will be on standby ready to continue to provide analytical analysis of environmental samples, hazard class identification of environmental samples.

SSG Quinonez, Brian

Operations Training NCO

9th Civil Support Team (WMD)

11302 Independence Road

Los Alamitos, CA 90720

Office: (562)-795-2596

Cell: (562) 254-9024

From: Quinonez, Brian SSG USARMY NG CAARNG (US)
Sent: Sunday, November 18, 2018 6:11 AM
To: NG CA CAARNG Mailbox JOC OPS; NG NCR NGB ARNG Mailbox CBRN J39
Cc: Cho, Samuel H CPT USARMY NG CAARNG (US); Rodak, Neal P Lt Col USAF NG CAANG (US); Whitaker, David A (Whit) SFC USARMY NG CAARNG (US); Whitley, Garrick D (Garry) 1SG USARMY NG CAANG (US)
Subject: GENTEXT SITREP 6 (Woolsey Fire)

SITUATION REPORT / PERIOD // Period 6: 100917NOV2018

SITUATION// 9th CST has been requested by CAL EPA to support the Fire IC for public safety assessments of hazards related to the Woolsey Fire incident. Capability requested is communication, laboratory testing, monitoring.

2. INTELLIGENCE// There were no known specific threats against this event// 9th CST is working closely with DOE for sources for this mission.

3. OPERATIONS// Provide integrated Situational Awareness (SA) and O/O integrated CBRN response to requesting authorities utilizing strike team capabilities in coordination with civil authorities IOT enhance security and public safety throughout the Ventura County. Provide civil authorities with the ability to provide rapid identification, assessment, and advice regarding the mitigation of any hazards discovered. Provide hazard modeling and communications interoperability utilizing the Mobile Field Kit (MFK) and Android Tactical Assault Kit (ATAK)/

DAY 1

(0900) IRT was alerted

(1300) IRT was in route to Ventura County from Los Alamitos JFTB

(1600) Arrived at 1 Black Canyon Rd, Simi Valley, CA 93063

(1611) IRT linked up with DOE

(1620) DOE link up was complete.

(1630) ADVON is up and connected.

(1632) The survey team is prepping equipment for downrange operations.

(1900) IRT SP to lodging location.

(2030) IRT arrived at lodging location 24150 Park Sorrento, Calabasas, CA 91302

Day 2

(0730) Survey Team SP for staging area to area 4 for environmental sampling.

(0750) Winds will be from the NE to SW between 7-27 MPH from now until 1800HRS. 1900hrs winds direction will be from N to S at 21 MPH.

(0838) ADVON moving to Area 4 location.

(0853) Site 1 sample 1 complete.

(0907) Sample 1 en-route to ALS

(0944) Sample 1 has been delivered to ALS, White Van moving to pick up sample 2.

(0950) Due to fire picking up hazardous conditions have increased. Survey Team is heading back to staging area.

(1000) Everyone meet back at the staging area ASAP and regroup and plan.

(1004) Bell Canyon Community entry team is back to staging area.

(1007) Soil sample 1 is on GCMS now.

(1039) Nothing of interest detected from GCMS on the soil sample taken from location 1 (NSMO)

(1234) Nothing of interest detected from air sample buffer solution.

(1622) Meeting in the conference room with DOE.

(1630) Need to evacuate hotel due to fire shifting. Hotel no longer deemed safe.

(1700) Moving to new lodging location at 15433 Ventura Blvd, Sherman Oaks, CA 91403.

(1800) Arrived at Courtyard.

Day 3

IRT on Standby due to Red Flag warning and fire conditions.

Day 4

(0705) Survey Team SP from staging area to sampling sites.

(0708) 9th CST Commander and 1SG arrive at Freedom Park.

(0735) Woolsey Incident shift brief complete no change to AO. Information previously briefed.

(0747) Division A will be located at overland Bell Canyon Rd.

(0806) Site Safety plan signed. Sampling can commence.

(0810) Survey Team 1 beginning environmental sampling time now.

(0828) Survey Team 1 sample complete.

(0835) ALS completely ready to receive samples, LQCS and pre-sample blank complete and passed.

(0857) Survey Team 2 has completed sample at site 3

(0905) Survey Team 1 beginning environmental sampling at site 4.

(0934) Survey Team 1 sample completed at site 4.

(1011) All samples at the 4 sites have been collected and the vehicle will all the samples will be heading towards the ALS.

(1050) Alpha moving out to ALS.

(1051) Site 6 complete.

(1111) All Teams heading back to staging area.

(1205) All samples for EPA and DOE have been conducted.

(1246) Soil and Air samples have been prepared for GCMS Analysis. Soil sample mix is currently being analyzed now.

(1346) OPS back to staging area.

(1526) Nothing of interest detected from the paper filter mix sample.

(1600) IRT heading back to Home Station for refit.

Day 5

On Standby

Day 6

On Standby

Day 7

On Standby

Day 8

On Standby

4. LOGISTICS//Self-sustaining on a local economy.

Personnel: 14 PAX

ADVON (9th CST)

ALS (9th CST)

ALPHA Truck (9th CST)

Survey Trailer (9th CST)

Bravo Truck (9th CST

DECON Truck (9th CST)

OPS Truck (9th CST)

White Van (9TH CST)

5. COMMUNICATIONS-CONNECTIVITY/POINTS OF CONTACT// Primary: Radio 800 MHz radio/Alternate: TAK, Cell / Contingency: SAT phone/Emergency: civilian 911 system. POC on the ground is CPT Sam Cho: 562-254-9584/

6. PERSONNEL (DETAIL SERVICE, LOCATION, MISSION AND NUMBERS)// 11 PAX (4 OFFICER//10 ENLISTED) located at Home Station 11302 Independence Road Los Alamitos Ca.

7. MEDICAL (MILITARY PERSONNEL HOSPITALIZED OR INJURED, REASON FOR HOSPITALIZATION/INJURY): No significant injuries or concerns. Local EMS will be utilized if any medical issues are endured.

8. INTERAGENCY COORDINATION//: CAL EPA Greg Vlasek (916-708-3885), DOE, DTSC Tom Seekington (562-822-8848)

9. DOMESTIC SUPPORT ACTIVITIES//: N/A

10. COMMENTS: Will update if SIGACT occurs.

A. EVENTS LAST 12 HOURS: 9th CST has provided an environmental sampling of specific locations designated by DOE, of the area affected by the Woosley Fire.

B. NEXT 12 HOURS: The 9th CST will be on standby ready to continue to provide analytical analysis of environmental samples, hazard class identification of environmental samples.

SSG Quinonez, Brian

Operations Training NCO

9th Civil Support Team (WMD)

11302 Independence Road

Los Alamitos, CA 90720

Office: (562)-795-2596

Cell: (562) 254-9024

From: Quinonez, Brian SSG USARMY NG CAARNG (US)
Sent: Saturday, November 17, 2018 2:53 AM
To: NG CA CAARNG Mailbox JOC OPS; NG NCR NGB ARNG Mailbox CBRN J39
Cc: Cho, Samuel H CPT USARMY NG CAARNG (US); Rodak, Neal P Lt Col USAF NG CAANG (US); Whitaker, David A (Whit) SFC USARMY NG CAARNG (US); Whitley, Garrick D (Garry) 1SG USARMY NG CAANG (US)
Subject: GENTEXT SITREP 5 (Woolsey Fire)

SITUATION REPORT / PERIOD // Period 5: 184716NOV2018

SITUATION// 9th CST has been requested by CAL EPA to support the Fire IC for public safety assessments of hazards related to the Woolsey Fire incident. Capability requested is communication, laboratory testing, monitoring.

2. INTELLIGENCE// There were no known specific threats against this event// 9th CST is working closely with DOE for sources for this mission.

3. OPERATIONS// Provide integrated Situational Awareness (SA) and O/O integrated CBRN response to requesting authorities utilizing strike team capabilities in coordination with civil authorities IOT enhance security and public safety throughout the Ventura County. Provide civil authorities with the ability to provide rapid identification, assessment, and

advice regarding the mitigation of any hazards discovered. Provide hazard modeling and communications interoperability utilizing the Mobile Field Kit (MFK) and Android Tactical Assault Kit (ATAK)/

DAY 1

(0900) IRT was alerted

(1300) IRT was in route to Ventura County from Los Alamitos JFTB

(1600) Arrived at 1 Black Canyon Rd, Simi Valley, CA 93063

(1611) IRT linked up with DOE

(1620) DOE link up was complete.

(1630) ADVON is up and connected.

(1632) The survey team is prepping equipment for downrange operations.

(1900) IRT SP to lodging location.

(2030) IRT arrived at lodging location 24150 Park Sorrento, Calabasas, CA 91302

Day 2

(0730) Survey Team SP for staging area to area 4 for environmental sampling.

(0750) Winds will be from the NE to SW between 7-27 MPH from now until 1800HRS. 1900hrs winds direction will be from N to S at 21 MPH.

(0838) ADVON moving to Area 4 location.

(0853) Site 1 sample 1 complete.

(0907) Sample 1 en-route to ALS

(0944) Sample 1 has been delivered to ALS, White Van moving to pick up sample 2.

(0950) Due to fire picking up hazardous conditions have increased. Survey Team is heading back to staging area.

(1000) Everyone meet back at the staging area ASAP and regroup and plan.

(1004) Bell Canyon Community entry team is back to staging area.

(1007) Soil sample 1 is on GCMS now.

(1039) Nothing of interest detected from GCMS on the soil sample taken from location 1 (NSMO)

(1234) Nothing of interest detected from air sample buffer solution.

(1622) Meeting in the conference room with DOE.

(1630) Need to evacuate hotel due to fire shifting. Hotel no longer deemed safe.

(1700) Moving to new lodging location at 15433 Ventura Blvd, Sherman Oaks, CA 91403.

(1800) Arrived at Courtyard.

Day 3

IRT on Standby due to Red Flag warning and fire conditions.

Day 4

(0705) Survey Team SP from staging area to sampling sites.

(0708) 9th CST Commander and 1SG arrive at Freedom Park.

(0735) Woolsey Incident shift brief complete no change to AO. Information previously briefed.

(0747) Division A will be located at overland Bell Canyon Rd.

(0806) Site Safety plan signed. Sampling can commence.

(0810) Survey Team 1 beginning environmental sampling time now.

(0828) Survey Team 1 sample complete.

(0835) ALS completely ready to receive samples, LQCS and pre-sample blank complete and passed.

(0857) Survey Team 2 has completed sample at site 3

(0905) Survey Team 1 beginning environmental sampling at site 4.

(0934) Survey Team 1 sample completed at site 4.

(1011) All samples at the 4 sites have been collected and the vehicle will all the samples will be heading towards the ALS.

(1050) Alpha moving out to ALS.

(1051) Site 6 complete.

(1111) All Teams heading back to staging area.

(1205) All samples for EPA and DOE have been conducted.

(1246) Soil and Air samples have been prepared for GCMS Analysis. Soil sample mix is currently being analyzed now.

(1346) OPS back to staging area.

(1526) Nothing of interest detected from the paper filter mix sample.

(1600) IRT heading back to Home Station for refit.

Day 5

On Standby

Day 6

On Standby

Day 7

On Standby

4. LOGISTICS//Self-sustaining on a local economy.

Personnel: 14 PAX

ADVON (9th CST)

ALS (9th CST)

ALPHA Truck (9th CST)

Survey Trailer (9th CST)

Bravo Truck (9th CST

DECON Truck (9th CST)

OPS Truck (9th CST)

White Van (9TH CST)

5. COMMUNICATIONS-CONNECTIVITY/POINTS OF CONTACT// Primary: Radio 800 MHz radio/Alternate: TAK, Cell / Contingency: SAT phone/Emergency: civilian 911 system. POC on the ground is CPT Sam Cho: 562-254-9584/

6. PERSONNEL (DETAIL SERVICE, LOCATION, MISSION AND NUMBERS)// 11 PAX (4 OFFICER//10 ENLISTED) located at Home Station 11302 Independence Road Los Alamitos Ca.

7. MEDICAL (MILITARY PERSONNEL HOSPITALIZED OR INJURED, REASON FOR HOSPITALIZATION/INJURY): No significant injuries or concerns. Local EMS will be utilized if any medical issues are endured.

8. INTERAGENCY COORDINATION//: CAL EPA Greg Vlasek (916-708-3885), DOE, DTSC Tom Seekington (562-822-8848)

9. DOMESTIC SUPPORT ACTIVITIES//: N/A

10. COMMENTS: Will update if SIGACT occurs.

A. EVENTS LAST 12 HOURS: 9th CST has provided an environmental sampling of specific locations designated by DOE, of the area affected by the Woosley Fire.

B. NEXT 12 HOURS: The 9th CST will be on standby ready to continue to provide analytical analysis of environmental samples, hazard class identification of environmental samples.

SSG Quinonez, Brian

Operations Training NCO

9th Civil Support Team (WMD)

11302 Independence Road

Los Alamitos, CA 90720

Office: (562)-795-2596

Cell: (562) 254-9024

From: Quinonez, Brian SSG USARMY NG CAARNG (US)
Sent: Friday, November 16, 2018 5:50 AM

To: NG CA CAARNG Mailbox JOC OPS
Cc: Cho, Samuel H CPT USARMY NG CAARNG (US); Rodak, Neal P Lt Col USAF NG CAANG (US); Whitaker, David A (Whit) SFC USARMY NG CAARNG (US); Whitley, Garrick D (Garry) 1SG USARMY NG CAANG (US)
Subject: RE: GENTEXT SITREP 4 (Woolsey Fire)

SITUATION REPORT / PERIOD // Period 4: 215015NOV2018

SITUATION// 9th CST has been requested by CAL EPA to support the Fire IC for public safety assessments of hazards related to the Woolsey Fire incident. Capability requested is communication, laboratory testing, monitoring.

2. INTELLIGENCE// There were no known specific threats against this event// 9th CST is working closely with DOE for sources for this mission.

3. OPERATIONS// Provide integrated Situational Awareness (SA) and O/O integrated CBRN response to requesting authorities utilizing strike team capabilities in coordination with civil authorities IOT enhance security and public safety throughout the Ventura County. Provide civil authorities with the ability to provide rapid identification, assessment, and advice regarding the mitigation of any hazards discovered. Provide hazard modeling and communications interoperability utilizing the Mobile Field Kit (MFK) and Android Tactical Assault Kit (ATAK)/

DAY 1

(0900) IRT was alerted

(1300) IRT was in route to Ventura County from Los Alamitos JFTB

(1600) Arrived at 1 Black Canyon Rd, Simi Valley, CA 93063

(1611) IRT linked up with DOE

(1620) DOE link up was complete.

(1630) ADVON is up and connected.

(1632) The survey team is prepping equipment for downrange operations.

(1900) IRT SP to lodging location.

(2030) IRT arrived at lodging location 24150 Park Sorrento, Calabasas, CA 91302

Day 2

(0730) Survey Team SP for staging area to area 4 for environmental sampling.

(0750) Winds will be from the NE to SW between 7-27 MPH from now until 1800HRS. 1900hrs winds direction will be from N to S at 21 MPH.

(0838) ADVON moving to Area 4 location.

(0853) Site 1 sample 1 complete.

(0907) Sample 1 en-route to ALS

(0944) Sample 1 has been delivered to ALS, White Van moving to pick up sample 2.

(0950) Due to fire picking up hazardous conditions have increased. Survey Team is heading back to staging area.

(1000) Everyone meet back at the staging area ASAP and regroup and plan.

(1004) Bell Canyon Community entry team is back to staging area.

(1007) Soil sample 1 is on GCMS now.

(1039) Nothing of interest detected from GCMS on soil sample taken from location 1 (NSMO)

(1234) Nothing of interest detected from air sample buffer solution.

(1622) Meeting in conference room with DOE.

(1630) Need to evacuate hotel due to fire shifting. Hotel no longer deemed safe.

(1700) Moving to new lodging location at 15433 Ventura Blvd, Sherman Oaks, CA 91403.

(1800) Arrived at Courtyard.

Day 3

IRT on Standby due to Red Flag warning and fire conditions.

Day 4

(0705) Survey Team SP from staging area to sampling sites.

(0708) 9th CST Commander and 1SG arrive at Freedom Park.

(0735) Woolsey Incident shift brief complete no change to AO. Information previously briefed.

(0747) Division A will be located at overland Bell Canyon Rd.

(0806) Site Safety plan signed. Sampling can commence.

(0810) Survey Team 1 beginning environmental sampling time now.

(0828) Survey Team 1 sample complete.

(0835) ALS completely ready to receive samples, LQCS and pre-sample blank complete and passed.

(0857) Survey Team 2 has completed sample at site 3

(0905) Survey Team 1 beginning environmental sampling at site 4.

(0934) Survey Team 1 sample completed at site 4.

(1011) All samples at the 4 sites have been collected and vehicle will all the samples will be heading towards the ALS.

(1050) Alpha moving out to ALS.

(1051) Site 6 complete.

(1111) All Teams heading back to staging area.

(1205) All samples for EPA and DOE have been conducted.

(1246) Soil and Air samples have been prepared for GCMS Analysis. Soil sample mix is currently being analyzed now.

(1346) OP5 back to staging area.

(1526) Nothing of interest detected from paper filter mix sample.

(1600) IRT heading back to Home Station for refit.

Day 5

On Standby

Day 6

On Standby

4. LOGISTICS//Self-sustaining on local economy.

Personnel: 14 PAX

ADVON (9th CST)

ALS (9th CST)

ALPHA Truck (9th CST)

Survey Trailer (9th CST)

Bravo Truck (9th CST

DECON Truck (9th CST)

OPS Truck (9th CST)

White Van (9TH CST)

5. COMMUNICATIONS-CONNECTIVITY/POINTS OF CONTACT// Primary: Radio 800 MHz radio/Alternate: TAK, Cell / Contingency: SAT phone/Emergency: civilian 911 system. POC on the ground is CPT Sam Cho: 562-254-9584/

6. PERSONNEL (DETAIL SERVICE, LOCATION, MISSION AND NUMBERS)// 11 PAX (4 OFFICER//10 ENLISTED) located at Home Station 11302 Independence Road Los Alamitos Ca.

7. MEDICAL (MILITARY PERSONNEL HOSPITALIZED OR INJURED, REASON FOR HOSPITALIZATION/INJURY): No significant injuries or concerns. Local EMS will be utilized if any medical issues are endured.

8. INTERAGENCY COORDINATION//: CAL EPA Greg Vlasek (916-708-3885), DOE, DTSC Tom Seekington (562-822-8848)

9. DOMESTIC SUPPORT ACTIVITIES//: N/A

10. COMMENTS: Will update if SIGACT occurs.

A. EVENTS LAST 12 HOURS: 9th CST has provided environmental sampling of specific locations designated by DOE, of the area affected by the Woosley Fire.

B. NEXT 12 HOURS: The 9th CST will be will continue to providing analytical analysis of environmental samples, hazard class identification of environmental samples.

SSG Quinonez, Brian

Operations Training NCO

9th Civil Support Team (WMD)

11302 Independence Road

Los Alamitos, CA 90720

Office: (562)-795-2596

Cell: (562) 254-9024

From: Quinonez, Brian SSG USARMY NG CAARNG (US)
Sent: Wednesday, November 14, 2018 8:44 PM
To: NG CA CAARNG Mailbox JOC OPS
Cc: Cho, Samuel H CPT USARMY NG CAARNG (US); Rodak, Neal P Lt Col USAF NG CAANG (US); Whitaker, David A (Whit) SFC USARMY NG CAARNG (US); Whitley, Garrick D (Garry) 1SG USARMY NG CAANG (US)
Subject: RE: GENTEXT SITREP 3 (Woolsey Fire)

SITUATION REPORT / PERIOD // Period 2: 124114NOV2018

SITUATION// 9th CST has been requested by CAL EPA to support the Fire IC for public safety assessments of hazards related to the Woolsey Fire incident. Capability requested is communication, laboratory testing, monitoring.

2. INTELLIGENCE// There were no known specific threats against this event// 9th CST is working closely with DOE for sources for this mission.

3. OPERATIONS// Provide integrated Situational Awareness (SA) and O/O integrated CBRN response to requesting authorities utilizing strike team capabilities in coordination with civil authorities IOT enhance security and public safety throughout the Ventura County. Provide civil authorities with the ability to provide rapid identification, assessment, and advice regarding the mitigation of any hazards discovered. Provide hazard modeling and communications interoperability utilizing the Mobile Field Kit (MFK) and Android Tactical Assault Kit (ATAK)/

DAY 1

(0900) IRT was alerted

(1300) IRT was in route to Ventura County from Los Alamitos JFTB

(1600) Arrived at 1 Black Canyon Rd, Simi Valley, CA 93063

(1611) IRT linked up with DOE

(1620) DOE link up was complete.

(1630) ADVON is up and connected.

(1632) The survey team is prepping equipment for downrange operations.

(1900) IRT SP to lodging location.

(2030) IRT arrived at lodging location 24150 Park Sorrento, Calabasas, CA 91302

Day 2

(0730) Survey Team SP for staging area to area 4 for environmental sampling.

(0750) Winds will be from the NE to SW between 7-27 MPH from now until 1800HRS. 1900hrs winds direction will be from N to S at 21 MPH.

(0838) ADVON moving to Area 4 location.

(0853) Site 1 sample 1 complete.

(0907) Sample 1 en-route to ALS

(0944) Sample 1 has been delivered to ALS, White Van moving to pick up sample 2.

(0950) Due to fire picking up hazardous conditions have increased. Survey Team is heading back to staging area.

(1000) Everyone meet back at the staging area ASAP and regroup and plan.

(1004) Bell Canyon Community entry team is back to staging area.

(1007) Soil sample 1 is on GCMS now.

(1039) Nothing of interest detected from GCMS on soil sample taken from location 1 (NSMO)

(1234) Nothing of interest detected from air sample buffer solution.

(1622) Meeting in conference room with DOE.

(1630) Need to evacuate hotel due to fire shifting. Hotel no longer deemed safe.

(1700) Moving to new lodging location at 15433 Ventura Blvd, Sherman Oaks, CA 91403.

(1800) Arrived at Courtyard.

Day 3

IRT on Standby due to Red Flag warning and fire conditions.

Day 4

(0705) Survey Team SP from staging area to sampling sites.

(0708) 9th CST Commander and 1SG arrive at Freedom Park.

(0735) Woolsey Incident shift brief complete no change to AO. Information previously briefed.

(0747) Division A will be located at overland Bell Canyon Rd.

(0806) Site Safety plan signed. Sampling can commence.

(0810) Survey Team 1 beginning environmental sampling time now.

(0828) Survey Team 1 sample complete.

(0835) ALS completely ready to receive samples, LQCS and pre-sample blank complete and passed.

(0857) Survey Team 2 has completed sample at site 3

(0905) Survey Team 1 beginning environmental sampling at site 4.

(0934) Survey Team 1 sample completed at site 4.

(1011) All samples at the 4 sites have been collected and vehicle will all the samples will be heading towards the ALS.

(1050) Alpha moving out to ALS.

(1051) Site 6 complete.

(1111) All Teams heading back to staging area.

(1205) All samples for EPA and DOE have been conducted.

(1246) Soil and Air samples have been prepared for GCMS Analysis. Soil sample mix is currently being analyzed now.

(1346) OPS back to staging area.

(1526) Nothing of interest detected from paper filter mix sample.

(1600) IRT heading back to Home Station for refit.

Day 5

Currently on Standby

4. LOGISTICS//Self-sustaining on local economy.

Personnel: 14 PAX

ADVON (9th CST)

ALS (9th CST)

ALPHA Truck (9th CST)

Survey Trailer (9th CST)

Bravo Truck (9th CST

DECON Truck (9th CST)

OPS Truck (9th CST)

White Van (9TH CST)

5. COMMUNICATIONS-CONNECTIVITY/POINTS OF CONTACT// Primary: Radio 800 MHz radio/Alternate: TAK, Cell / Contingency: SAT phone/Emergency: civilian 911 system. POC on the ground is CPT Sam Cho: 562-254-9584/

6. PERSONNEL (DETAIL SERVICE, LOCATION, MISSION AND NUMBERS)// 11 PAX (4 OFFICER//10 ENLISTED) located at Home Station 11302 Independence Road Los Alamitos Ca.

7. MEDICAL (MILITARY PERSONNEL HOSPITALIZED OR INJURED, REASON FOR HOSPITALIZATION/INJURY): No significant injuries or concerns. Local EMS will be utilized if any medical issues are endured.

8. INTERAGENCY COORDINATION//: CAL EPA Greg Vlasek (916-708-3885), DOE, DTSC Tom Seekington (562-822-8848)

9. DOMESTIC SUPPORT ACTIVITIES//: N/A

10. COMMENTS: Will update if SIGACT occurs.

A. EVENTS LAST 12 HOURS: 9th CST has provided environmental sampling of specific locations designated by DOE, of the area affected by the Woosley Fire.

B. NEXT 12 HOURS: The 9th CST will be will continue to providing analytical analysis of environmental samples, hazard class identification of environmental samples.

SSG Quinonez, Brian

Operations Training NCO

9th Civil Support Team (WMD)

11302 Independence Road

Los Alamitos, CA 90720

Office: (562)-795-2596

Cell: (562) 254-9024

From: Quinonez, Brian SSG USARMY NG CAARNG (US)
Sent: Monday, November 12, 2018 7:21 PM
To: NG CA CAARNG Mailbox JOC OPS
Cc: Cho, Samuel H CPT USARMY NG CAARNG (US); Rodak, Neal P Lt Col USAF NG CAANG (US); Whitaker, David A (Whit) SFC USARMY NG CAARNG (US); Whitley, Garrick D (Garry) 1SG USARMY NG CAANG (US)
Subject: RE: GENTEXT SITREP 2 (Woolsey Fire)

SITUATION REPORT / PERIOD // Period 2: 112012NOV2018

SITUATION// 9th CST has been requested by CAL EPA to support the Fire IC for public safety assessments of hazards related to the Woolsey Fire incident. Capability requested is communication, laboratory testing, monitoring.

2. INTELLIGENCE// There were no known specific threats against this event// 9th CST is working closely with DOE for sources for this mission.

3. OPERATIONS// Provide integrated Situational Awareness (SA) and O/O integrated CBRN response to requesting authorities utilizing strike team capabilities in coordination with civil authorities IOT enhance security and public safety throughout the Ventura County. Provide civil authorities with the ability to provide rapid identification, assessment, and advice regarding the mitigation of any hazards discovered. Provide hazard modeling and communications interoperability utilizing the Mobile Field Kit (MFK) and Android Tactical Assault Kit (ATAK)/

DAY 1

(0900) IRT was alerted

(1300) IRT was in route to Ventura County from Los Alamitos JFTB

(1600) Arrived at 1 Black Canyon Rd, Simi Valley, CA 93063

(1611) IRT linked up with DOE

(1620) DOE link up was complete.

(1630) ADVON is up and connected.

(1632) The survey team is prepping equipment for downrange operations.

(1900) IRT SP to lodging location.

(2030) IRT arrived at lodging location 24150 Park Sorrento, Calabasas, CA 91302

Day 2

(0730) Survey Team SP for staging area to area 4 for environmental sampling.

(0750) Winds will be from the NE to SW between 7-27 MPH from now until 1800HRS. 1900hrs winds direction will be from N to S at 21 MPH.

(0838) ADVON moving to Area 4 location.

(0853) Site 1 sample 1 complete.

(0907) Sample 1 en-route to ALS

(0944) Sample 1 has been delivered to ALS, White Van moving to pick up sample 2.

(0950) Due to fire picking up hazardous conditions have increased. Survey Team is heading back to staging area.

(1000) Everyone meet back at the staging area ASAP and regroup and plan.

(1004) Bell Canyon Community entry team is back to staging area.

(1007) Soil sample 1 is on GCMS now.

(1039) Nothing of interest detected from GCMS on soil sample taken from location 1 (NSMO)

(1234) Nothing of interest detected from air sample buffer solution.

(1622) Meeting in conference room with DOE.

(1630) Need to evacuate hotel due to fire shifting. Hotel no longer deemed safe.

(1700) Moving to new lodging location at 15433 Ventura Blvd, Sherman Oaks, CA 91403.

(1800) Arrived at Courtyard.

4. LOGISTICS//Self-sustaining on local economy.

Personnel: 10 PAX

ADVON (9th CST)

ALS (9th CST)

ALPHA Truck (9th CST)

Survey Trailer (9th CST)

Bravo Truck (9th CST

DECON Truck (9th CST)

OPS Truck (9th CST)

White Van (9TH CST)

5. COMMUNICATIONS-CONNECTIVITY/POINTS OF CONTACT// Primary: Radio 800 MHz radio/Alternate: TAK, Cell / Contingency: SAT phone/Emergency: civilian 911 system. POC on the ground is CPT Sam Cho: 562-254-9584/

6. PERSONNEL (DETAIL SERVICE, LOCATION, MISSION AND NUMBERS)// 11 PAX (4 OFFICER//7 ENLISTED) located at Courtyard Marriott 15433 Ventura Blvd, Sherman Oaks, CA 91403

7. MEDICAL (MILITARY PERSONNEL HOSPITALIZED OR INJURED, REASON FOR HOSPITALIZATION/INJURY): No significant injuries or concerns. Local EMS will be utilized if any medical issues are endured.

8. INTERAGENCY COORDINATION//: CAL EPA Greg Vlasek (916-708-3885), DOE, DTSC Tom Seekington (562-822-8848)

9. DOMESTIC SUPPORT ACTIVITIES//: N/A

10. COMMENTS: Will update if SIGACT occurs.

A. EVENTS LAST 12 HOURS: 9th CST has provided environmental sampling of specific locations designated by DOE, of the area affected by the Woosley Fire.

B. NEXT 12 HOURS: The 9th CST will be will continue to providing analytical analysis of environmental samples, hazard class identification of environmental samples.

SSG Quinonez, Brian

Operations Training NCO

9th Civil Support Team (WMD)

11302 Independence Road

Los Alamitos, CA 90720

Office: (562)-795-2596

Cell: (562) 254-9024

-----Original Message-----
From: Quinonez, Brian SSG USARMY NG CAARNG (US)
Sent: Sunday, November 11, 2018 1:03 AM
To: NG CA CAARNG Mailbox JOC OPS <ng.ca.caarng.mbx.joc-ops@mail.mil>
Cc: Cho, Samuel H CPT USARMY NG CAARNG (US) <samuel.h.cho.mil@mail.mil>; Rodak, Neal P Lt Col USAF NG CAANG (US) <neal.p.rodak.mil@mail.mil>; Whitaker, David A SSG USARMY NG CAARNG (US) <david.a.whitaker26.mil@mail.mil>; Whitley, Garrick D (Garry) SFC USARMY NG CAANG (US) <garrick.d.whitley.mil@mail.mil>
Subject: GENTEXT SITREP 1 (Woolsey Fire)

CLASSIFICATION: UNCLASSIFIED

SITUATION REPORT / PERIOD // Period 1: 003411NOV2018

SITUATION// 9th CST has been requested by CAL EPA to support the Fire IC for public safety assessments of hazards related to the Woolsey Fire incident. Capability requested is communication, laboratory testing, monitoring.

2. INTELLIGENCE// There were no known specific threats against this event// 9th CST is working closely with DOE for sources for this mission.

3. OPERATIONS// Provide integrated Situational Awareness (SA) and O/O integrated CBRN response to requesting authorities utilizing strike team capabilities in coordination with civil authorities IOT enhance security and public safety throughout the Ventura County. Provide civil authorities with the ability to provide rapid identification, assessment, and advice regarding the mitigation of any hazards discovered. Provide hazard modeling and communications interoperability utilizing the Mobile Field Kit (MFK) and Android Tactical Assault Kit (ATAK)/

DAY 1

(0900) IRT was alerted

(1300) IRT was in route to Ventura County from Los Alamitos JFTB

(1600) Arrived at 1 Black Canyon Rd, Simi Valley, CA 93063

(1611) IRT linked up with DOE

(1620) DOE link up was complete.

(1630) ADVON is up and connected.

(1632) The survey team is prepping equipment for downrange operations.

(1900) IRT SP to lodging location.

(2030) IRT arrived at lodging location 24150 Park Sorrento, Calabasas, CA 91302

4. LOGISTICS//Self-sustaining on local economy.

Personnel: 13 PAX

ADVON (9th CST)

ALS (9th CST)

ALPHA Truck (9th CST)

Survey Trailer (9th CST)

Bravo Truck (9th CST

TOC Trailer (9th CST)

DECON Truck (9th CST)

5. COMMUNICATIONS-CONNECTIVITY/POINTS OF CONTACT// Primary: Radio 800 MHz radio/Alternate: TAK, Cell / Contingency: SAT phone/Emergency: civilian 911 system. POC on the ground is CPT Sam Cho: 562-254-9584/

6. PERSONNEL (DETAIL SERVICE, LOCATION, MISSION AND NUMBERS)// 13 PAX (5 OFFICER//8 ENLISTED) located at Hilton Garden Inn 24150 Park Sorrento, Calabasas, CA 91302.

7. MEDICAL (MILITARY PERSONNEL HOSPITALIZED OR INJURED, REASON FOR HOSPITALIZATION/INJURY): No significant injuries or concerns. Local EMS will be utilized if any medical issues are endured.

8. INTERAGENCY COORDINATION//: CAL EPA Greg Vlasek (916-708-3885), DOE, DT5C Tom Seekington (562-822-8848)

9. DOMESTIC SUPPORT ACTIVITIES//: N/A

10. COMMENTS: Will update if SIGACT occurs.

A. EVENTS LAST 12 HOURS: 9th CST has linked up with DOE to provide environmental sampling locations of the area affected by the Woosley Fire.

B. NEXT 12 HOURS: The 9th CST will be providing analytical analysis of environmental samples, hazard class identification of environmental samples.

SSG Quinonez, Brian

Operations Training NCO

9th Civil Support Team (WMD)

11302 Independence Road

Los Alamitos, CA 90720

Office: (562)-795-2596

Cell: (562) 254-9024

Section 9

Logistical Status Report

ANNEX K - LOG/ADMIN DETAILED TACSOP: As of 11/19/2018
Equipment Loss Report

Exercise/Real World Name:
2018-LATW-53260
Date: 19 NOV 18

9th CST Roll-Up

Notional Total Pieces of Equipment Loss	0
Notional Total Dollar Amount	$0.00
ACTUAL Real World TOTAL PIECES OF EQUIPMENT LOSS	13
ACTUAL Real World TOTAL DOLLAR AMOUNT	$1,929.55

UNIT TOTAL OF WHICH PIECES OF EQUIPMENT USED

Item Description	Stock Number	LIN	NOMEN	Sections	Unit Issue	Unit Price	Serial No #	REAL WORLD Actual Loss	Notional (exercise) Loss Qty	Notional Total Cost	Actual Total Cost
0	666501X012097	99057G	GC/MS	Survey	EA	$157.00	0	0	0	$0.00	$0.00
O-RING, GLOVEBOX	666501X011124	99103G	ALS	MED	EA	$7.75	0	1	0	$0.00	$7.75
PIPETTE, PUMP 2ML FAST RELEASE	666501X011020	99103G	ALS	MED	EA	$18.80	0	1	0	$0.00	$18.80
QUICKSILVER, SAMPLING KIT	666501X010960	99061G	SAMPLE	Survey	PG	$180.00	0	10	0	$0.00	$1,800.00
REAGENT, BV DILUENT, 250ML	666501X102122	99103G	ALS	MED	EA	$103.00	0	1	0	$0.00	$103.00

Section 10

Site Safety Plans, Incidents Action Plans, IC Goals and Objectives

9TH CST (WMD) SITE SAFETY AND CONTROL PLAN

As of 6 MAR 2018

1. Incident Name: Santa Susana Research Facility	2. Date Prepared: 20181[illegible]	3. Operational Time:

SECTION I. Site Information

4. Incident Location: Simi Valley, CA

SECTION II. Organization

5. Incident Commander: Tom Seekington	6. 9th CST CDR: LtCol Neal Rodak	7. TECH Specialist – HM Reference: CPT Brian Quigley / 2LT Daniel Nadeau
8. Incident Site Safety Officer: CPT Samuel H Cho	9. Entry Leader: SFC Eulizes Montalvo	10. Emergency Medical Care Provider: First Response – SFC Zuniga
11. Asst. Safety Officers – 9th CST 1SG Garrick Whitley	12. Decontamination Leader: SFC Glenford Staine	13. Hospital Contact Information: West Hills Hospital 818.676.4000
14. Ambulance Service Information 9th CST/White Van		

17. Entry Team: **(Circle = Primary entry)**	PPE Level	18. Decontamination Element: **(Circle = Primary)**	PPE Level
Entry 1: Moltalvo, Kemp	A B C (D)	**Decon 1.** Staine, Brian, Peralta, Ortiz, Vargas	A B C D
Back Up: Quinonez, Zuniga	A B C (D)	NA	
Entry 2: Sarmiento, Staine	A B C (D)	**Decon 2.** Staine, Brian, Peralta, Ortiz, Vargas	A B C D
Back Up:	A B C D	NA	
Entry 3: Kemp, Zuniga	A B C (D)	**Decon 3.** Staine, Brian, Peralta, Ortiz, Vargas	A B C D
Back Up:	A B C D	NA	
Entry 4:	A B C D	**Decon 4.** Staine, Brian, Peralta, Ortiz, Vargas	A B C D
Back Up:	A B C D		
Entry 5:	A B C D	**Decon 5.** Staine, Brian, Peralta, Ortiz, Vargas	A B C D
Back Up:	A B C D		

SECTION III. Hazard Evaluation (See unit closing report for MSDS and more details)

19. **Initial Reported Substances**	Container	Qty/Concentration	Primary hazards
Unknown TICs/TIMs			

SECTION IV. Reactive Hazards

Unstable Water Reactive Pyrophoric Radioactive Corrosive Oxidizer Decomposition Other (Unknown)

Has EOD been called/requested: YES (NO) **Site is EOD cleared: YES (NO)**

SECTION V. Decontamination Procedures

24. Decontamination Line Certification:	Yes:	No:
1. Solution N/A Contact time N/A 2. Solution [illegible] Contact time N/A	N/A	N/A

SECTION VI. Site Communications

25. Command Frequency: 1 2 (3) 4 A B (C)	26. Tactical Entry Frequency: 1 2 (3) 4 A B (C)	27. Medical Frequency: 1 2 (3) 4 A B (C)

SECTION VII. Medical Monitoring and emergency medical care

28. Medical Monitoring:	Yes:	No: X	29. EMS: Site and contact information - see block 14.	Yes: X	No:

SECTION VIII. Entry Objectives

IC Goals/Objectives:	**CDR's Objectives:**
1. 5 Air Sampling at designated locations by DOE	1. 5 Air Sampling at designated locations by DOE ___
2. 5 Soil Sampling at designated locations by DOE	2. 5 Soil Sampling at designated locations by DOE ___
3. Get Presumptive Analysis for Sample in ALS ___	3. Get Presumptive Analysis for Sample in ALS ___
4. Report Findings of Presumptive Analysis to IC	4. Report Findings of Presumptive Analysis to IC ___
5. ___	
6. ___	

SECTION VIII. Entry Objectives (cont.)

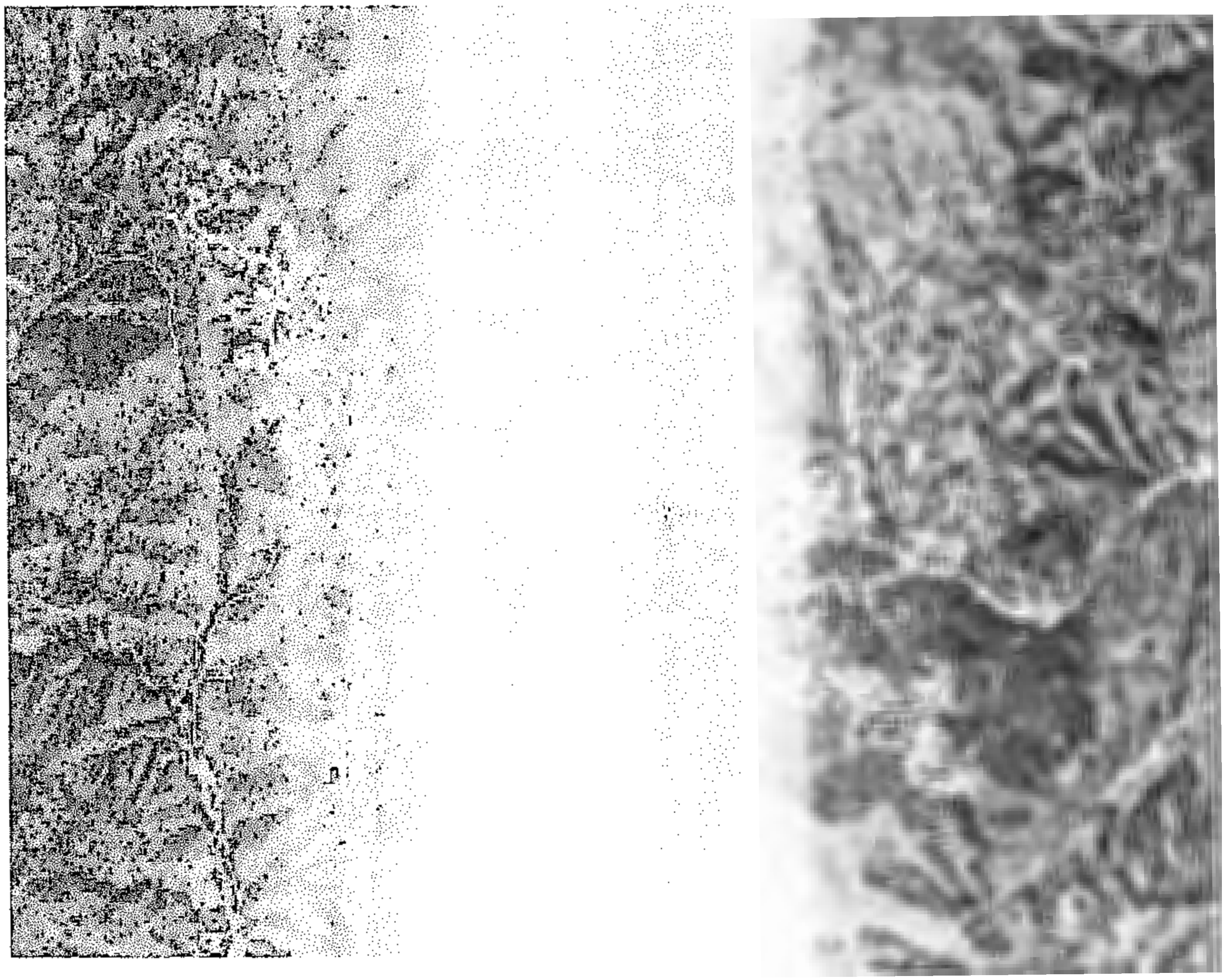
___1_# ENTRY (T:)	2 #ENTRY (T:)
1. 5 Air Sampling at designated locations by DOE	1. 4 air sampling @ designated locations by DOE
2. 5 Soil Sampling at designated locations by DOE	2. 4 soil sampling @ designated locations by DOE
3. Get Presumptive Analysis for Sample in ALS	3. ~~Get PA~~
4. Report Findings of Presumptive Analysis to IC	4.
5.	5.
6.	6.
7.	7.

_____# ENTRY (T:)	____#ENTRY (T:)
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.

_____# ENTRY (T:)	____#ENTRY (T:)
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.

SECTION IX. Site Map

30. Site Map:



Mark the exclusion zone with: TAPE CONES ... HER N/A____________
Weather [ ] CP [ ] Safe Refuge (clean/dirt ... Escape Routes [ ] Wind [ ]

Equipment

M8/M9/KI/pH Paper(s) **MultiRae** (O2/H2S/LEL/CO2/VOC) **AREARae** **RAID M** **BT650** **JCAD** **M256 kit** (G/H ID) **Sample kit** (Quicksilver) ~~**Sked**~~ IBAC SASS	HAZ... First ... Tru ... HazM... Color ... UDR ... Link ... MFK ... TC ...	...R 77 (A/B/G RAD ...) ...R2(Radiac Meter) Identifinder ICX Identifinder ICX U Digital Camera (Ricoh) Polaris Survey Cart Predator Backpack	**ORTEC HX** **Nano Raiders** **Packeye** **SASS 3100**

SECTI... Work Practices per site

32. Modifications to Documented SOP's or Work ...	YES	NO
		X

SECTION XII. Em... Plan Procedures briefing checklist

[illegible]2018

33. Return/Evacuation Criteria
- o Dose: RAD @ 2.5 cGy/hr or 2.5 rem (Gamma
- o Rate: RAD @ 12.5 cGy/hr or 12.5 rem/hr (Gam
- **(10 CFR 20 & AR 40-14)**
- o Deliberate loss of communication
- o No communication for 5 minutes
- o **Other:**

[illegible]nd stay (90 degrees) **(Safe work practice)**
[illegible] OF LEL indoors) (25% of LEL outdoors) **(OSHA)**
[illegible]ached suits **(SOP)**
[illegible]ty (safe **work practice)**
[illegible]nated individuals **(Safe work practice)**
[illegible]alled back by CST CDR or IC **(SOP)**
[illegible]horn blast (go to safe refuge area) **(SOP)**
[illegible]
[illegible]ICON Plan/equipment **YES** **NO**

34. Additional hazards and control measures [illegible]

[illegible] NH

	PRESENT				PRESENT		PRESENT
Anaya	YES NO	Kemp		[illegible]es	YES NO	**Whitaker**	YES NO
Brecht	YES NO	Muntal[illegible]		[illegible]ez	YES NO	**Zuniga**	YES NO
Brian	YES NO	Nadeau		[illegible]	YES NO		YES NO
Cho	YES NO	Ortiz		[illegible]ato	YES NO		YES NO
Coe	YES NO	Peralta		[illegible]	YES NO		YES NO
Foss	YES NO	Quig[illegible]		[illegible]	YES NO		YES NO

[illegible]fety Notes

Licensed health providers may ad[illegible] [illegible]oncerns to the 9th CST Physicians Assistant at (562) 254-6059.
All 9th CST (WMD) personnel require[illegible] [illegible]ssessed and monitored for fitness on entry and post entry. Permanent medical records [illegible] [illegible]MED-CA-ARNG.
There are _____ known or suspected [illegible]ring this incident. For specific details contact the 9th CST Commander at (562) 25[illegible]
There are _____ physical injuries [illegible]ble on the incident site. For specific details contact the 9th CST Commander at [illegible]

All 9th CST (WMD) personnel have ... ...symptoms following exposure to the substances or agents named on the 9th CST (W... ...onnel have been advised to contact the 9th CST (WMD) Physicians Assistant ... ...work care at the nearest appropriate Medical Treatment Facility while contacting ... ...Assistant. See 9th CST (WMD) roster in this closing report for actual personnel ... ...been briefed or read and are familiar with the provisions of this site safety plan.

9TH CST (WMD) Commander's Signa... ...ident Commander's Signature (Entry 1)

9TH CST (WMD) Commander's Sig... ...ident Commander's Signature (Entry 2)

9TH CST (WMD) Commander's Si... ...ident Commander's Signature (Entry 3)

9TH CST (WMD) Commander's Si... ...ident Commander's Signature (Entry 4)

9TH CST (WMD) Commander's Si... ...ident Commander's Signature (Entry 5)

9TH CST (WMD) Commander's Si... ...ident Commander's Signature (Entry 6)

DELIBERATE RISK ASSESSMENT WORKSHEET

1. MISSION/TASK DESCRIPTION	2. DATE *(DD/MM/YYYY)*
	10/11/2018

3. PREPARED BY

a. Name (Last, First Middle Initial)	b. Rank/Grade	c. Duty Title/Position
Montalvo, Eulizes	SFC/E7	NCOIC

d. Unit	e. Work Email	f. Telephone *(DSN/Commercial (Include Area Code))*
9th CST	eulizes.j.montalvo.mil@mail.mil	562-254-6243

g. UIC/CIN *(as required)*	h. Training Support/Lesson Plan or OPORD *(as required)*	i. Signature of Preparer
W7LKAA	OPORD Bear	

Five steps of Risk Management: (1) Identify the hazards (2) Assess the hazards (3) Develop controls & make decisions (4) Implement controls (5) Supervise and evaluate *(Step numbers not equal to numbered items on form)*

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
+ -	Downrange Survey Operations	CBRN contamination Air quality Slips, trips and falls Loss of communications Confined spaces Heat stress Use of all-terrain vehicles Man-down Limited visibility	M	Level A-C PPE Fit testing Buddy teams Hand and arm signals Monitor water intake Medical monitoring Seat belts Drive less than 5 mph Flashlights	How: Pre-Entry Briefings Rehearsals Who: Survey Team Leader Recon NCO	L
+ -	Conduct Ground Movement	Unsafe roads Speeding Tailgating Traffic congestion Improper passing Parking lots Complacency Fatigue	M	Weather reports Speed limits 3 second rule Traffic reports Co-driver used Ground guides Seat belts/headlights Drivers rest 8 hours and drive less than 10 hours	How: Convoy Safety Brief Who: Senior NCOIC	L
+ -	Maritime Operations Ship Boarding	Drowning Falls Water hazards Ship hazards Inclement weather Strong currents	M	3 points of contact Identify weak swimmers Wear PFDs with lights Use rails on ship to move around and have crew member guide available Lifeguards	How: Briefings Who: Ship Captain/Crew	L

	4. SUBTASK/SUBSTEP OF MISSION/TASK	5. HAZARD	6. INITIAL RISK LEVEL	7. CONTROL	8. HOW TO IMPLEMENT/ WHO WILL IMPLEMENT	9. RESIDUAL RISK LEVEL
+ -	Conduct Air Movement Aircraft Loading	Improper aircraft entry/ exit/loading procedures Emergency landing Eye and hearing injuries Equipment on runways Driving on runways	M	Take all directions from crew chief Seat belts Eye and ear protection Situational awareness 5 mph speed limit	How: Briefings Who: Crew Chief	L

10. OVERALL RESIDUAL RISK LEVEL *(All controls implemented)*:

☐ EXTREMELY HIGH ☐ HIGH ☐ MEDIUM ☒ LOW

11. OVERALL SUPERVISION PLAN AND RECOMMENDED COURSE OF ACTION

Leaders will brief all identified hazards and associated controls at briefings, check equipment prior to use, and review all likely scenarios during rehearsals. Any unresolved issues will be elevated through the chain of command to the Commander for final decisions.

12. APPROVAL OR DISAPPROVAL OF MISSION OR TASK ☒ Approve ☐ Disapprove

a. Name (Last, First, Middle Initial)	b. Rank/Grade	c. Duty Title/Position	d. Signature of Approval Authority
Cho, Samuel H	CPT/O3E	OIC	

e. Additional Guidance:

Risk Assessment Matrix		Probability *(expected frequency)*				
		Frequent: Continuous, regular, or inevitable occurrences	**Likely:** Several or numerous occurrences	**Occasional:** Sporadic or intermittent occurrences	**Seldom:** Infrequent occurrences	**Unlikely:** Possible occurrences but improbable
Severity *(expected consequence)*		A	B	C	D	E
Catastrophic: *Mission failure, unit readiness eliminated; death, unacceptable loss or damage*	I	EH	EH	H	H	M
Critical: *Significantly degraded unit readiness or mission capability; severe injury, illness, loss or damage*	II	EH	H	H	M	L
Moderate: *Somewhat degraded unit readiness or mission capability; minor injury, illness, loss, or damage*	III	H	M	M	L	L
Negligible: *Little or no impact to unit readiness or mission capability; minimal injury, loss, or damage*	IV	M	L	L	L	L

Legend: EH - Extremely High Risk H - High Risk M - Medium Risk L - Low Risk

MISSION #: 2

9TH CST OPERATIONS ORDER

Date: 13 Nov 2018
Time of Incident: 0900
Time of Call: 0900
Time on Scene:

SITUATION (Specific Location and General Description of Incident): 9th CST Deploy to Santa Susanna research facility in order to provide support to DOE approved by Cal OES in Conducting Soil Samples and air monitoring to ensure no contamination due to fires at the research facility.

RELEASE INFORMATION:

Agent Released/Suspected_____ How?_____ How Much?_____
Color_____ Odor_____
Agent still present? ( ) Yes ( ) No ( ) Unknown
Dispersion Method?_____
Indoor or Open Air Release?_____
Wind Direction? From_____ To_____ Wind Speed?_____MPH
MSDS Available? ( ) Yes ( )No Casualties? ( ) Yes ( ) No

CASUALTY INFORMATION:

Injured_____ Transported to_____ Deceased_____
Signs/Symptoms_____
Time from Exposure to time of onset_____
Have casualties been decontaminated? ( ) No ( ) Yes with_____
On Scene Medical Capabilities ( ) Ambulance ( ) Life Flight ( ) Other

AREA INFORMATION:

Best avenue of approach to incident site (Staging Area):_____
Keys or codes required to enter effected area? ( ) No ( ) Yes_____
Area cleared for secondary devices? ( ) No ( ) Yes By_____
Power ( ) On ( ) Off HVAC ( ) On ( ) Off
Maps ( ) Supplied ( ) Requested ( ) Not Available ( ) On Site Safety Plan
Site Safety Plan ( ) Complete ( ) In-Progress
Perimeter Established ( ) No ( ) Yes by:_____
Local HAZMAT Team on Scene:_____
Other Agencies on Scene or Called:_____
DECON Line Established ( ) No ( ) Yes by:_____
Exclusion Line Established ( ) No ( ) Yes by:_____
Monitored for: ( ) O2 ( ) LEL ( ) VOC ( ) RAD ( ) Crime Scene
Monitoring Equipment Used:_____
Entries Made? ( ) No ( ) Yes PPE Level? (Circle) A B C D
Samples Taken? ( ) No ( ) Yes #_____

MISSION (Objectives):

IC Objectives:

- ☐ Life Safety
- ☐ Determine Exclusion Zone
- ☐ Site Characterization
- ☐ Locate and Identify Hazards
- ☐ Mitigate hazards (if possible)
- ☐ Collect / Process Samples
- ☐ Suggest Mitigation Options / Provide Recommendations (Shelter vs. Evacuation)
- ☐ Provide Advice on Health Effects
- ☐ Establish interoperable communications
- ☐ Other:_____

CST Objectives:

- ☐ Determine Zones / Establish Perimeter
- ☐ Site Characterization of Exclusion Zone
- ☐ ID Hazard (conduct presumptive field analysis)
- ☐ Conduct Sampling Mission / Capture Spectra
- ☐ Mitigate the hazard
- ☐ Conduct Reach-Back with CBRN Resources (DoD, DTRA, DOE, FBI)
- ☐ Collect Intelligence Data Downrange
- ☐ Provide plume model to IC
- ☐ Locate Nearest Medical Treatment Facilities
- ☐ Coordinate with On Scene Medical Units
- ☐ Provide voice/data Comms support
- ☐ Establish and Maintain Tech Decon Line/Capability

Entry Objectives:

- ☐ Execute PMT
- ☐ Site Characterization of the Target Area
- ☐ Detect Hazards
- ☐ ID Hazards (if possible)
- ☐ Conduct Sampling Mission
- ☐ Mitigate Hazard (if possible)
- ☐ Preserve Evidence
- ☐ Provide Intel and Recommendations during Debrief

EXECUTION: *Note - Below tasks are completed as needed according to the situation*

- **Site**
  - ☐ Site Verified Clean
  - ☐ Water Source Located
  - ☐ Site Setup Determined

- **Briefings**
  - ☐ IRT In-brief (at unit)
  - ☐ Arming and RUF Requirements:_____
  - ☐ IC In-brief
  - ☐ IRT / Main Body Link-Up and Brief
  - ☐ Entry Briefing Conducted

- **Operations**
  - ☐ NGB 500 Initiated
  - ☐ Initial SITREP sent to JOC
  - ☐ 30 Min SITREP sent to JOC
  - ☐ MDMP with Survey Complete
  - ☐ Site Map Posted (as needed)
  - ☐ MFK Operational
  - ☐ DCO Operational
  - ☐ TOC Board Set-Up
  - ☐ RFI Board Set-Up
  - ☐ Site Safety Plan Complete and Signed by IC
  - ☐ Entry/Backup/Decon Batting Order Posted
  - ☐ Request Permission to Enter Hot Zone
  - ☐ SITREPS Sent Hourly (or as needed)

- **Decon**
  - ☐ Equipment Setup
  - ☐ Monitors Emplaced
  - ☐ Generator Grounded / Fire Extinguisher
  - ☐ Decon Solution Prepared
  - ☐ PPE Verified
  - ☐ Emergency Decon Established
  - ☐ Decon Line Certified

- **Medical**
  - ☐ Emergency Med Treatment Established
  - ☐ Pre-Entry Monitoring Complete

- **ALS/Analytical**
  - ☐ Ready to Receive Samples
  - ☐ Tech Ref Ongoing

- **Communications**
  - ☐ HF-ACU 1000
  - ☐ SAT Acquired
  - ☐ Network Established
  - ☐ Phones Up
  - ☐ ICS-205 Complete

- **Survey**
  - ☐ Establish Exclusion Zone
  - ☐ Set-up Survey Foot Print
  - ☐ Survey Equipment Prepared for Operation
  - ☐ Set Up MFK (Provide MFK-30 to Ops)
  - ☐ Send Background Readings via MFK or by Radio to Ops
  - ☐ Entry Team Dressing Out
  - ☐ Entry Team Batting Order Established
  - ☐ Entry Brief Complete

SUSTAINMENT:

Water Source / Location_____
Fuel/Diesel Source / Location_____
External Power Source / Location_____
Meal Source / Location_____
Lodging Source / Location_____

COMMAND AND SIGNAL:

IC Name, Location, and PhoneNumber:_____
_____
IC Organization:_____
Comms plan: ( ) MFK ( ) DCO ( ) Radio ( ) Other_____
Channel/Frequency:_____

ANNEXES (attached to OPORD):

Annex A – Convoy Safety Brief
Annex B – NCOIC Brief (Order of March)
Annex C – Risk Assessment
Annex D – Sign-In Sheet
Annex E – Tech Ref Chart
Annex F – NGB Form 500
Annex G – RFI Tracker
Annex H – RUF Brief

IRT/MAIN BODY CST MOVEMENT/SAFETY CHECKLIST

DTG: 1C Nov 18

Mission Number: _____

N-Hour: _____ IC Name & Phone# _____

Movement SP time: _____

Mission Brief time/location: _____

Movement Brief time/location: _____

Destination Address: _____

SITUATION:

Conduct Soil / Air / Asia Sampling

MISSION:

EXECUTION

Task Organization: IRT +

☐Personnel:

Rodak	Foss	Whitley		
Cho	Whitaker	Quinonez		
Ortiz	Peralta	Staine	Brian	
Brecht	Quigley	Nadeau	Zuniga	
Quinones	Montalvo	Anaya	Kemp	
Sarmiento	Coe			

Maneuver: General Checklist

- ☐ Convoy Commander Location and succession of command
- ☐ Brief Route (strip map w/rest, fuel & meal stops, SP time)
- ☐ Strip Maps Printed. w/address of end point
- ☐ Order of March (Identify vehicles w/out co-drivers)

ORDER OF MARCH	VEHICLE	DRIVER	CO-DRIVER	PASSENGER	PASSENGER
1	Alpha w/TLR	Montalvo	ANAYA		
2	ALS	NADEAU	Quigley		
3	ADVON	GZ	Cho		
	UCS				
	DECON				
	MRV				
4	Bravo w/ TLR	Peralta	Zuniga		
	OPS w/TLR				
5	15 PAX	Kemp	Foss		

- ☐ Identify any Check Points
- ☐ Traffic Conditions
- ☐ Weather Data (temperature, wind direction, humidity, conditions)
- ☐ Plume Model / Hazard Assessment / Avenue of approach to incident
- ☐ Identify who is contacting the JOC (departure & arrival on scene emails)
- ☐ Uniform for travel (Must wear uniform coat and patrol gear at all rest stops)
- ☐ Account for Sensitive Items
  (ATNAAs, TLDs, UDR-13, Rad Watch, Radio, Mask, Weapon, CAC Card)
- Line through items not applicable to current mission for tracking
- ☐ Food and water available
- ☐ Vehicle Dispatch Checklist is complete and signed prior to departure
- ☐ CRM Complete
- ☐ Keys or codes required to enter effected area ( ) Yes ( ) No
- ☐ Weapons and Ammo required for mission
- ☐ Turn on ATAK's for MFK visibility
- ☐ Special Equipment:

COMMAND AND SIGNAL:

- ☐ Channel _____ for movement
- ☐ Radio Check 5 minutes prior to movement

AS OF DTG:

9th CST (WMD) RFI/RFA TRACKER

RFI #	FROM / TO	REQUEST DTG	LINE 1 SUSPENSE DTG	LINE 2 RFI/RFA	LINE 3 REQUEST PRIORITY	ACTION TAKEN	ACTION TAKEN	ACTION TAKEN	CURRENT STATUS OPEN/CLOSED
				PH Info Available					
				Push Packet for B.O					

STATUS OF ALL OPEN RFI/RFAs MUST BE REVIEWED EVERY HOUR UNTIL CLOSED OUT

DATE: 10 Nov 2018

PERSONNEL STATUS BOARD

NAME	RANK	POSITION	PRESENT FOR DUTY	NOT PRESENT FOR DUTY	TIME	REASON
Rodak, Neal	Lt Col	Commander				
Foss, Shane	CPT	Deputy Commander				
~~Vargas, John~~ Whitley, Garrick	1SG	First Sergeant				
Ortiz, Daniel	SFC	Communications Chief				
Peralta, Esteban	SFC	Information System Analyst			0924	
Staine, Glenford	SFC	Logistics NCO				
Brian, David	SSG	Admin NCO			0905	
Cho, Samuel	CPT	Operations Officer			1940	
Whitaker, David	SFC	Ops NCO-Modeling				
Quinonez, Brian	SSG	Asst Ops NCO			0959	
Brecht, Nicholas J.	MAJ	Physician Assistant				
Nadeau, Daniel C.	2LT	Medical Ops Officer			0930	
Zuniga, Aaron	SFC	Medical NCO				
Quigley, Brian	CPT	Science Officer			0930	
Quinones, Kris	1LT	Survey Team Leader				
Montalvo, Eulizes	SFC	Survey Recon NCO			0959	
Kemp, Steven	SSG	Survey Team Chief			0930	
Anaya, Alfonso	SSG	Survey Team Chief			0925	
Coe, Taylor	SGT	Survey Team Member				
Sarmiento, Anthony	SGT	Survey Team Member				
	SGT	Survey Team Member				
	SGT	Survey Team Member				

Senior NCO Deployment Responsibilities (circle one ADVON / MAIN BODY)

- ☐ Accountability of Personnel (circle the names below)

COMMAND	OPS	MED	SURVEY	COMMO	DECON
Rodak	Cho	Brecht	Quinones	Ortiz	Staine
Foss	Whitaker	Quigley	Montalvo	Peralta	Brian
Whitley	Quinonez	Nadeau	Anaya		
		Zuniga	Kemp		
			Sarmiento		
			Coe		

*Denotes IRT person(s)

- ☐ Vehicle Assignments and Order of March

ORDER OF MARCH	VEHICLE	DRIVER	CO-DRIVER	PASSENGER	PASSENGER
1	IRT A				
2	ALS				
	UCS				
3	ADVON				
	DECON				
	MRV				
4	IRT B w/ TLR				
	OPS w/ TLR				
5	15 PAX				

DEPLOYMENT Checks	IRT NCOIC Checklist
☐ Develop Timeline to SP Along with SITREP for unit (YES NO N/A)_____	☐ Receive Notification from IRT OIC
☐ All Radios Secured by Personnel or in UCS (YES NO N/A)_____	☐ Initiate Team Notification start with IRT
☐ Communications Equipment in Safe is Secured in UCS (YES NO N/A)_____	☐ Initiate Sign-In sheet in conference room
☐ Weapons & Ammunition Secured (YES NO N/A)_____	☐ Ensure all equipment is secured ie (NAKS, TLD, UDR 13)
☐ Brief Rules of Engagement (YES NO N/A)_____	☐ Complete Deployment Checks
☐ Determine Health Assessment (YES NO N/A)_____	☐ Complete IRT leave behind paperwork w/IRT OIC
☐ All Personal Equipment Loaded per Load Plans (YES NO N/A)_____	☐ Conduct IC Link Up w/IRT O
☐ Contact ADVON to Obtain Their Remaining Personal Equipment (YES NO N/A)_____	• Orientation to Hazard • Verify Front, Right, Left boundaries • Safe Refuge • Force Protection • IC Goals • EFR assets (DECON) • H2O Source • UCS/Advon Orientation (South/Southwest)
☐ Line up Vehicles (YES NO N/A)_____	
☐ Radio Checks (YES NO N/A)_____	
☐ Admin NCO input Personnel Orders (YES NO N/A)_____	
☐ Print-Strip Maps (make sure to leave a copy for Main Body-if on IRT) (YES NO N/A)_____	
☐ Convoy Safety and Route Briefing (YES NO N/A)_____	☐ Conduct PMT
☐ Building and All Gates are Secure (YES NO N/A)_____	☐ Complete Operational Footprint diagram
☐ Verify JOC is Notified of Launch (YES NO N/A)_____	☐ Link up and direct Main Body into AO

OTHER NOTES:

SR NCO NAME: _____ DATE: _____

Woolsey Incident

CA-VNC-91023

Incident Action Plan

Operational Period

Nov 12th - Nov 13th 2018

0700 - 0700

N

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:	2. Operational Period:	Date From:	11/12/2018	Date To:	11/13/2018
Woolsey		Time From:	0700	Time To:	0700

3. Objective(s):

Management Objectives

-Provide for emergency personnel and public safety at all times by ensuring hazards and risks are identified, communicated and mitigated through the hazard risk assesment process.

-Protect property, improvements, and infrastructure.

-Ensure an appropriate evacuation and repopulation plan is in place and communicated.

-Foster and strengthen relationships by recognizing the needs of all unified, assisting and cooperating agencies.

-Accurately track costs and provide fiscal accountability while ensuring the needs of the incident are met.

-Ensure timely and accurate information is coordinated and provided to the public and cooperators

Control Objectives

-Keep the fire North of Pacific Coast Highway

-Keep the fire South of Highway 118

-Keep the fire East of South Reino Road & Sycamore Canyon Road

-Keep the fire West of Topanga Canyon Boulevard

General Situational Awareness:

Steep and rugged terrain, critically dry and receptive fuel beds, active area for fire history and drought stressed trees.

The fire area has a significant history for firefighter entrapments and injuries.

5. Site Safety Plan Required? Yes ☐ No ☑

Approved Site Safety Plan(s) Located at:

6. Incident Action Plan

☑	ICS 203	☑	ICS 215A	☐	Phone List	☐	Fire Suppression Repair Plan
☑	ICS 204	☑	ICS 220	☑	Training Message	☐	
☑	ICS 205	☑	Incident Map	☑	Travel Map	☐	
☑	ICS 206	☑	Weather Forecast	☐	Demob Plan	☐	
☑	ICS 208	☐	Fire Behavior	☑	Finance Message	☑	ICS 214

7. Prepared By: Anale Burlew / Mitch Diehl Position/Title: PSC Signature:

8. Approved by Incident Commander: Mike Parkes Signature:

ICS 202 NIMS IAP

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:	2. Operational Period:	Date From:	11/12/2018	Date To:	11/13/2018
Woolsey		Time From:	0700	Time To:	0700

3. Incident Commander(s) and Command Staff:	
IC/UC's	Parkes / Myers / Estrada
	Watkins / Richardson / Lorenzon
	Rose / Gage / Minton
Safety Officer	Dan McNamara
Information Officer	Jeff Laruso
Liaison Officer	Jones / Davis / Jared

4. Agency/Organization Representatives:	
Agency/Organization	Name
NPS	Derrek Hartman
CDCR	Lt. Eilers
Fish & Game	JC Healy
Public Health	Mike Rogers
Public Heath	Pablo Valadez
VC Animal Control	Ryan Bay
CAL OES	David Stone
American Red Cross	Cary Van
LA County CEO OEM	Sinan Khan
SCE Supervisor	Dan Face
SCE Supervisor	Scott Brown
USFS	Michael Strawhun
USFS	Dave Valencia
LA Animal Control	Cesar Chavez
CHP	Kevin Kurker

5. Planning Section:	
Chief	Anale Burlew / Mitch Diehl
Deputy	Sean Griffis / Al Yanagisawa
Resource Unit	Wood / McCarroll / Padilla
Situation Unit	Jim Day / John Hamer
Documentation Unit	Wally Collins
Demobilization Unit	Greg Barnhart
GISS	Matt Turner / Ed Lamas
FBAN	Troy Velin
IMET	Rich Thompson
Training Tech Spec	Cisneros / Soiza / McMillon

6. Logistics Section:	
Chief	Reynolds / Robbins / Takeshita
Deputy	Williams / Whitney
Supply Unit	Josh Randoll
Facilities Unit	Brian Pottenger
Ground Support Unit	Tim Fitzgerald
Communications Unit	Ken Parker
Medical Unit	Josh Staley
Ordering Unit	Mike Worford / Craig Zimmerman

7. Operation Section:		
Operations	Davis / Cook (VNC) / Inman (LAC)	
Deputy Operations	Berbena / Shea (VNC) / Derek Alkonis (LAC)	
Night Ops	Blankenheim / Spykerman (VNC) / Hale (LAC)	
Staging Area		
Branch	I	P. Avila
Division/Group	A	M. Martinez
Division/Group	B	J. Niederberger / E. Cecena (T)
Branch	III	P. Rohaley (T)
Division/Group	C	Owings
Branch	IV	Ramirez (T)
Division/Group	F	M. Lipson
Branch	V	M. Halverson
Division/Group	J	J. Gray
Division/Group	M	M. Lamont / B Porrazzo (T)
Branch	VI	A. Turner
Division/Group	N	M. Juarez / A. Widling (T)
Division/Group	P	P. Byde / A. Estabrook
Branch	VII/VIII	C. Bogan
Division/Group	Q	S. Gast
Division/Group	S	C. Tate / R. Decamp (T)
Division/Group	T	J. Tieso
Branch	IX/X	R. Lucas
Division/Group	V	B. Myers
Division/Group	X	S. Turner
Division/Group		
Staging Area	Freedom	J. Davis
Division/Group		
Division/Group		
Branch		
Division/Group		
Division/Group		
Division/Group		
Division/Group		
Division/Group		
Air Operations Branch	Director	O'Hara / Idol (T)
Air Support Group Supervisor	Magana	
Air Tactical Group Supervisor	Martin / Haskins	
Helibase Manager	Matterli	

8. Finance/Administration Section:	
Chief	Rich Browne / Tammy Hasert
Time Unit	Tiffany Tracy / Contreras
Procurement Unit	
Comp/Claims Unit	Dave Reese
Cost Unit	

Prepared By: Name:	Griffis / Yanagisawa	PSC	Signature:
ICS 203	Date/Time:	11/11/2018 2300 hours	NIMS IAP

INCIDENT Weather Forecast

FORECAST NO: 3

NAME OF FIRE: Woolsey

PREDICTION FOR: 24 hour **SHIFT**

UNIT: VNC/CalFire

SHIFT DATE: 11/12/18-11/13/18 (0700-0700)

SIGNED: Rich Thompson
Incident Meteorologist

TIME AND DATE FORECAST ISSUED: 11/11/18 @ 1900

WEATHER DISCUSSION: **...RED FLAG WARNING THROUGH 500 PM TUESDAY...**

Moderate to strong Santa Ana winds will continue across the area through the operational period. The winds will peak in strength late this morning into early afternoon then will weaken through this evening. However, the winds will begin to increase yet again tonight and Tuesday morning. Relative humidity will drop into the single digits with little, or no, recovery tonight. Given the wind and moisture conditions, as well as the dry vegetation, **CRITICAL FIRE WEATHER CONDITIONS** will continue through the operational period.

The Santa Ana winds will continue through Tuesday afternoon with critical fire weather conditions continuing. There is a chance that Santa Ana winds could persist through Wednesday with **CRITICAL FIRE WEATHER CONDITIONS** continuing through Wednesday afternoon. For Thursday and Friday, the offshore flow will weaken with the potential for some weak onshore winds in the afternoon and evening hours.

WEATHER FORECAST:

WEATHER: Mostly clear. Areas of smoke.

TEMPERATURES:
Max: 76-82.
Min: 50-60.

HUMIDITY:
Min: 4-10%.
Max: 8-18%.

20 FT WINDS:

RIDGETOP -
0700-1000: Northeast 20-30 MPH Gust 45 MPH.
1000-1400: Northeast 25-35 MPH Gust 55 MPH.
1400-2200: Northeast 20-30 MPH Gust 45 MPH.
2200-0700: Northeast 15-25 MPH Gust 40 MPH.

SLOPE/VALLEY -
0700-0900: North to northeast 15-25 MPH Gust 40 MPH.
0900-1400: North to northeast 25-35 MPH Gust 55 MPH.
1400-2200: North to northeast 20-30 MPH Gust 45 MPH.
2200-0400: North to northeast 15-25 MPH Gust 40 MPH.
0400-0700: North to northeast 20-30 MPH Gust 45 MPH.

EXTENDED FORECAST:

Tuesday: Moderate to strong Santa Ana winds will continue across the area with gusts between 35 and 55 MPH with the strongest winds during the late morning and early afternoon hours. Relative humidity will remain very low with little, if any, overnight recovery. So, **CRITICAL FIRE WEATHER CONDITIONS** will continue.

Wednesday/Thursday: Santa Ana winds will gradually diminish through the period. However, dry conditions will persist with the chance of **CRITICAL FIRE WEATHER CONDITIONS** continuing into Wednesday.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 3	**TYPE OF FIRE: Wildland Fire**
FIRE NAME: Woolsey	**OPERATIONAL PERIOD: 24hr 11/12 (0700-0700)**
DATE ISSUED: 11/11	**TIME ISSUED: 2100**
UNIT: VNC	**SIGNED: //Troy Velin//**

INPUTS

WEATHER SUMMARY

Red Flag Warning through 5:00 PM Tuesday

- Today's weather will be dominated by Santa Anna Winds (off shore flow)
- See attached Incident Weather Forecast in IAP

OUTPUTS

FIRE BEHAVIOR

GENERAL:

Fuels in the area consist of cured annual and coastal grasses and coastal chaparral and sage. Rains in early October did not have a lasting effect and fuels are critically dry. The Topography is steep, broken and drainages are predominantly arranged in alignment with critical winds. Fire behavior in areas sheltered from the wind or decreases in off shore flow will transition rapidly to terrain runs. Long range spotting will continue to be a threat.

Forecasted Indices for Fire Area

Area	Fuels	DFM (10hr)	LFM	BI	FL	ROS
LA Basin (N of Hwy 101)	Chaparral	3%	64%	87 (Critical is 105)	40+	7-14 m/hr
Santa Monica Mts (S of Hwy 101)	Chaparral	2%	65%	139 (Critical is 94)	40+	7-14 m/hr

SPECIFIC:

Branch I

Hot spots in the Hidden Hills area will continue to produce embers that will threaten the line. Hold over fires in structures should be monitored closely.

Branch III/IV

Structures within 1 mile of the perimeter are capable of producing spot fires outside containment lines. The area of the tunnel has the most potential for growth. Fire crossing Malibu Canyon near the tunnel will be sheltered from the wind, expect a slope run toward Puma rd before turning back and making a wind run to the coast.

Branch V

Significant structure loss in the area will continue to be a source of embers. There are numerous green islands within the branch. These areas should be monitored closely for hold over fires.

Branch VI

The fire has burned into the Springs fire scar. The 5-year-old regrowth has proven to be an option as a barrier to fire spread.

Branch VII

The fire south of Hidden Valley and Lake Sherwood will continue to back. Any slacking of the offshore flow will result in increased fire behavior and terrain runs. This will lead to lateral growth to the East and West.

Branch VIII/IV/X

I do not expect any growth in this branch. Continue to monitor for hold over fire within structures.

AIR OPERATIONS:

Except for smoke, skies will be clear. Heavy winds will impact air operations.

SAFETY

Classic Santa Anna conditions today. Continually evaluate Escape Routes and Safety Zones.
House to house ignitions and long range spotting may leave unburned fuel between you and the main fire.

Woolsey/Hill Incident Safety Message

November 12, 2018

INCIDENT: Woolsey/Hill	DATE: **11-12-18**	TIME: **0700– 0700**

MAJOR HAZARDS and RISKS: **RED FLAG WARNING-EXTREME FIRE BEHAVIOR POTENTIAL-STEEP & ROCKY TERRAIN- BLOWING MATERIALS - WEAR ALL APPROPRIATE PPE – ALL the TIME – On the FIRELINE NO EXCEPTION!**

FIRE ORDER of the DAY – **Keep informed on fire weather conditions and forecasts.**

This fire has demonstrated RAPID RATES OF SPREAD. Expect the same potential today!

Review Wildland Urban Interface Watchout Situations- IRPG

Identify Escape Routes and Safety Zones of adequate size. As your position changes ensure you identify new safety zones and escape routes.

Maintain awareness for rolling materials.

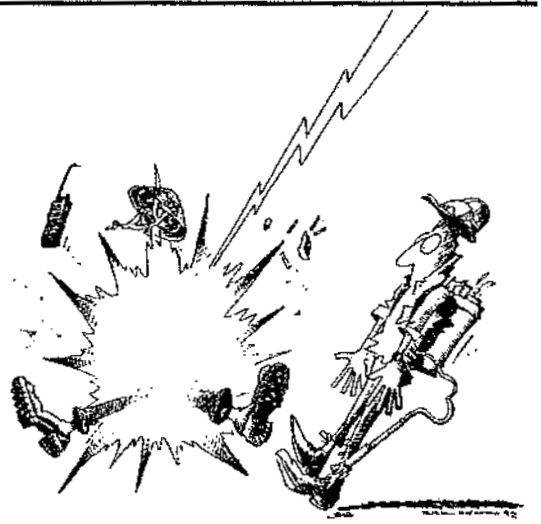
Confirm radio frequencies and tbat you know how to operate your radio. Develop back up procedures. Use assigned incident frequencies.

Provide for frequent rest breaks and adequate hydration. Monitor yourself and those around you for heat related illnesses. DON'T LET THE TEMPERATURE FOOL YOU!

Drive with caution at all times.

Utilize appropriate PPE for structure fires.

Watch Out Situation of the Day



4. UNFAMILIAR WITH WEATHER AND LOCAL FACTORS INFLUENCING FIRE BEHAVIOR

Escape Route/Safety Zone Checklist

Escape Routes:
*More than one escape route
*Scouted – soils, vegetation, slope
*Timed – slowest person, fatigue, dozer speed
*Marked – flagged for day and night use

Safety Zone:
*Survivable without a shelter
*Natural – clean burn, water, bare soil/rock
*Manmade – constructed sites, roads
*Scouted for size and hazards
*Close enough considering escape time needed

Remember and Follow:
*The 10 Standard Fire Orders
*The 18 Situations That Shout Watch Out
*The Common Denominators of Fire Behavior on Tragedy Fires
*The Downhill Line Construction Guidelines

Prepared By: Dan McNamara SOF1, Jeremy Lawson SOF1 (T), Richard Baligad SOFR

INCIDENT SAFETY ANALYSIS
WOOLSEY/HILL FIRE

DIV	HAZARDS	MITIGATIONS
All	**Extreme Fire Behavior**	• LCES • Risk Assessment IRPG
All	**Steep Terrain & Rolling Debris**	• Maintain 8'-10' spacing when working & walking. • Don't work above any personnel • Be aware of travel times to Safety Zones
All	**Fatigue Management**	• Get adequate rest.....follow the 2:1 work/rest guidelines • Get proper hydration & nourishment, take frequent breaks on fireline
All	**Communication**	• Use human repeaters when necessary • Review radio communication plan prior to committing resources
All	**Driving & Traffic**	• Use **spotters** and **honk horn** when backing • Always use **headlights and seatbelts** • Use chock blocks, emergency brakes, and turn wheels in high bank • Watch for wildlife on Hwy and at sunrise and sunset • Expect the unexpected while driving
All	**Structure Defense**	• Review "Wildland Urban Interface" Watchouts, IRPG page 12 • Use "Structure Assessment" checklist, IRPG pages 13 – 17 • Maintain egress to Safety Zone
DOZER GROUP	**Mechanized Equipment**	• Create positive communication with operator, hand, radio, etc • Always work 100' or greater from dozer, depending on vegetation height • Know Capability of Dozer
All	**Air Ops**	• Communications • Leave area for VLATS when needed • ID Drop Areas
A	**Power Lines**	• Treat All Power Lines Down as "LIVE" • Mark areas with Caution Tape when possible • Notify Branch/Division of locations

INCIDENT NAME	DATE & TIME PREPARED	OPERATIONAL PERIOD
WOOLSEY/HILL FIRE	11/11/2018 2000	11/12/2018 – 0700-0700

Prepared by Safety Officer: Dan McNamara SOF1, Jeremy Lawson SOF1 T, Richard Baligad SOFR

JL

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/12/18	Date To:	11/13/18	Branch: I
	Time From:	0700	Time To:	0700	Div/Group: A

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (VNC) / Inman (LAC)** **Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)**

Branch Director: **P. Avila** Branch Safety: P. Selegue

Division/Group Supervisor: **M. Martinez**

Alpha

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LFD 1003A				0700-0700	DP 1-4
STA LFD 1005A	CASTILLO, MICHAEL J	17	E-215	0700-0700	DP 1-4
STA LFD 1006A	CURRY, MARK A	16	E-216	0700-0700	DP 1-4
STA LFD 1008A	KELLY, TIMOTHY A	21	E-285	0700-0700	DP 1-4
STA XCC 2025A	GOETSCH, LON G	16	E-25	0700-0700	DP 1-4
STC FKU 9431C	DOMINGUEZ, JOHN	15	E-99	0700-0700	DP 1-4
STC CNF 6631C	**TUCKER, MICHAEL**	27	**E-311**	**0700-1900**	**DP 1-4**
STC				0700-0700	DP 1-4
STC				0700-0700	DP 1-4
T/F - TASK FORCE 6110	SILVA, ALEX	17	E-86	0700-0700	DP 1-4
STG BDU 9355G	SILVA, JEFF	33	C-36	0700-0700	DP 1-4
STG LAC 1176G	**HUNTER**		**C-17**	**0700-1900**	**DP 1-4**
CRW SLU Camarillo 21 (CCC)	BOURGAULT, LUKE R	16	C-29	0700-0700	DP 1-4
W/T WMT 3081	ALLEN, MATT	2	E-149	0700-0700	DP 1-4
W/T PVT E-342 DOUBLE R	DUNN, BRAD	1	E-342	0700-0700	DP 1-4
W/T PVT E-343 PVT DOUBLE R	VIEYRA, RICH	2	E-343	0700-0700	DP 1-4
FALM				**0700-1900**	**DP 1-4**

6. Work Assignments:

Construct and improve direct control line as needed.

Hold fire within current control line.

Mop up 200' from the control line.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
VFIRE 23	12	TACTICAL	154.2950N	156.7	154.2950N	156.7	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 183

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/12/18	Date To:	11/13/18	
	Time From: 0700	Time To:	0700	Branch: I
4. Operations Personnel:				
Operations Section Chief:	Davis / Cook (VNC) / Inman (LAC)	Night Ops: Blankenheim /		Div/Group: B
Branch Director:	Spykerman (VNC) / Hale (LAC)			
Division/Group Supervisor:	P. Avila	Branch Safety: P. Selegue		Bravo
	J. Niederberger / E. Cecena (T)			Page 1 of 1

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LFD 1009A	FERRARI, NICHOLAS J	21	E-286	0700-0700	DP 1-4
STA XLA 1075A	NEVANDRO, JOHN	22	E-120	0700-0700	DP 1-4
STA LAC 1107A	HARTER, KEITH S	21	E-117	0700-0700	DP 1-4
STA LAC 1132A	INFANTE, FRANK	21	E-75	0700-0700	DP 1-4
STA LAC 1133A	PADILLA, MIKE	21	E-72	0700-0700	DP 1-4
STC XSL 1474C	HARRIS, RANDY	20	E-62	0700-0700	DP 1-4
STC ANF 1617C	**WHITE, RON**			**0700-1900**	**DP 1-4**
STC				0700-0700	DP 1-4
STC				0700-0700	DP 1-4
STC				0700-0700	DP 1-4
STG LAC 1178G	**HERNANDEZ**		**C-18**	**0700-1900**	**DP 1-4**
STG LAC 1183G	**VELAZQUEZ**		**C-16**	**0700-1900**	**DP 1-4**
CRW SQF 6	**MEDINA, WALTER ALLEN**	22	**C-47**	**0700-1900**	**DP 1-4**
W/T PVT E-338 PVT FOOTHILL	KELLY, TOM	2	E-338	0700-0700	DP 1-4
W/T PVT E-341	BYRNE, WESLEY		E-341	0700-0700	DP 1-4
W/T PVT E-345 PVT GASSAWAY	GASSAWAY, NORM	2	E-345	0700-0700	DP 1-4
FALM				**0700-1900**	**DP 1-4**

6. Work Assignments:

Construct and improve direct control line as needed.

Hold fire within current control line.

Mop up 200' from the control line.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T26	3	TACTICAL	159.2925N	192.8	159.2925N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8 -	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 152

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/12/18	Date To:	11/13/18	
	Time From:	0700	Time To:	0700	Branch: III
4. Operations Personnel:					Div/Group: C
Operations Section Chief:	Davis / Cook (VNC) / Inman (LAC) / Spykerman (VNC) / Hale (LAC)		Night Ops: Blankenheim /		
Branch Director:	P. Rohaley (T)		Branch Safety: R. Diaz		Charlie
Division/Group Supervisor:	Owings				Page 1 of 1

5. Resources Assigned:	** Resources Below in Bold are 12 Hour **			Reporting Location, Special Equipment, Remarks, Notes, and Information	
Resource Identifier	Leader	Personnel	Request #	Time	Location
STA LAC 1109A	LOZANO, EDUARDO P	21	E-118	0700-0700	DP 3-4
STA LAC 1130A	MANCHA, JOHN	22	E-122	0700-0700	DP 3-4
STA LAC 1131A	RAMIREZ, EUGENE	21	E-74	0700-0700	DP 3-4
STA LAC 1135A	WELLS, BRYAN E	21	E-76	0700-0700	DP 3-4
STF LAC 1144F	FLORES, CARL N	16	E-80	0700-0700	DP 3-4
STG SLU 9342G	MUMFORD, DANE	33	C-4	0700-0700	DP 3-4
CRW LAC C-9	**ANE**			**0700-1900**	**DP 3-4**
BEAR DIVIDE IHC	**ANDERSON, BRIAN**			**0700-1900**	**DP 3-4**
STL VNC 1592L		1	E-218	0700-0700	DP 3-4
W/T PVT E-346 PVT GOLDEN	MCCABE, PATRICK	2	E-346	0700-0700	DP 3-4
FEMP WILCOX O-217	WILCOX, SCOTT	1	O-217	0700-0700	DP 3-4
FEMT CHILD O-206	CHILD, ROBERT	1	O-206	0700-0700	DP 3-4

6. Work Assignments:

Construct and improve direct control line as needed.

Mop up 100' from the control line.

Backhaul trash.

Maintain positive interaction with the public and assist es needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T27	4	TACTICAL	159.3075N	192.8	159.3075N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla **Pos/Title:** RESL **Signature:**

ICS 204 **Date/Time:** 11/11/2018 2200 **Personnel Count:** 139

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/12/18	Date To:	11/13/18	
	Time From: 0700	Time To:	0700	Branch: IV

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (VNC) / Inman (LAC)** Night Ops: **Blankenheim /**
Spykerman (VNC) / Hale (LAC)

Branch Director: **Ramirez (T)** Branch Safety: T. Prins (T)

Division/Group Supervisor: **M. Lipson**

Div/Group: **F**

Foxtrot

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LAC 1134A	BENNETT, BRIAN	26	E-73	0700-0700	DP 3-4
STA XLG 1362A				0700-0700	DP 3-4
STA XLF 1321A	UNDERWOOD, JIM	22	E-145	0700-0700	DP 3-4
STA				0700-0700	DP 3-4
STC XSJ 4184C	ARGANBRIGHT, SCOTT	20	E-67	0700-0700	DP 3-4
STG LAC 1171G	**KOCH, DANIEL**	27	**C-33**	**0700-1900**	**DP 3-4**
CRW LAC C-8	**GARZA**			**0700-1900**	**DP 3-4**
CRW LAC C-12	**HANSON**			**0700-1900**	**DP 3-4**
DOZ PVT E-355 PVT ARIAS EQUIP	ARIAS, LOUIE	2	E-355	0700-0700	DP 3-4
DOZ PVT E-357 PVT BILL WELCH	ANDERSON, REX	2	E-357	0700-0700	DP 3-4
W/T PVT E-151 PVT TYPE 2	STEIN, BARTON	2	E-151	0700-0700	DP 3-4
W/T PVT E-225 PVT WATERDOGG	MICHAELS, MATT	2	E-225	0700-0700	DP 3-4
W/T PVT E-226 TGU WATERDOGG	PALAZZO, ANTHONY	2	E-226	0700-0700	DP 3-4
FEMP JACKSON O-213	JACKSON, ZACH	1	O-213	0700-0700	DP 3-4
FEMT SMITH O-117	SMITH, BRANDON	1	O-117	0700-0700	DP 3-4

6. Work Assignments:

Construct and improve direct control line as needed.
Hold fire within current control line.
Structure defense and perimeter control
Perform Tactical Patrol around structures.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T28	5	TACTICAL	151.1825N	192.8	151.1825N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 107

NIMS IAP

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/12/18	Date To:	11/13/18	
	Time From:	0700	Time To:	0700	Branch: V

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (VNC) / Inman (LAC)** **Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)**

Branch Director: **M. Halverson**

Division/Group Supervisor: **J. Gray**

Div/Group: **J**

Juliet

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA XSB 1502A	ALDERETE, SCOT A	22	E-233	0700-0700	LAC FS 71
STA XLC 1206A	SUEN, CHEN J	23	E-232	0700-0700	LAC FS 71
STA LAC 1103A	CABRERA, STEVE	21	E-116	0700-0700	LAC FS 71
STA LAC 1119A	GRANADOS, JOE	22	E-71	0700-0700	LAC FS 71
STC				0700-0700	LAC FS 71
STC				0700-0700	LAC FS 71
ENGINE T/F - XAL - 2014	PAPPAS, TOM	17	E-2	0700-0700	LAC FS 71
STG LAC 1185G	**PEREZ, MARK C**	33	**C-34**	**0700-1900**	**LAC FS 71**
CRW LAC C-2	**GAYLOR**			**0700-1900**	**LAC FS 71**
CRW KRN CREW 10 GOLDEN EMPIRE	**YOUNG, PADDRICK**	22	**C-46**	**0700-1900**	**LAC FS 71**
W/T MAM 3381	MONTAGNE, BO	2	E-152	0700-0700	LAC FS 71
W/T VVF OES 22	FAY, BRYAN	2	E-155	0700-0700	LAC FS 71
W/T PVT E-138	BURGESS, JOHN	2	E-138	0700-0700	LAC FS 71
W/T PVT E-147 TUU J & M	DUNCAN, JACK	2	E-147	0700-0700	LAC FS 71
W/T PVT E-148 TUU GREG HOLT	HOLT, GREG	2	E-148	0700-0700	LAC FS 71
W/T PVT E-336 SLU JOHN FIRE	WALTON, MARK	2	E-336	0700-0700	LAC FS 71
W/T PVT E-337 SLU JOHN FIRE	HUBBARD, TOM	2	E-337	0700-0700	LAC FS 71
W/T PVT E-339 PVT 40 TRAFFIC	JONES, ERNEST	2	E-339	0700-0700	LAC FS 71

6. Work Assignments:

Construct and improve direct control line as needed.

Construct line around islands.

Mop up 200' from the control line.

Fall hazard trees and trees that threaten control lines.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T29	6	TACTICAL	151.3475N	192.8	151.3475N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 176

NIMS IAP

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/12/18	Date To:	11/13/18	
	Time From: 0700	Time To:	0700	Branch: V
4. Operations Personnel:				
Operations Section Chief:	Davis / Cook (VNC) / Inman (LAC)	Night Ops: Blankenheim /		Div/Group: J
	Spykerman (VNC) / Hale (LAC)			
Branch Director:	M. Halverson			Juliet
Division/Group Supervisor:	J. Gray			Page 2 of 2

5. Resources Assigned:	** Resources Below In Bold are 12 Hour **			Reporting Location, Special Equipment, Remarks, Notes, and Information	
Resource Identifier	Leader	Personnel	Request #	Time	Location
FALM				**0700-1900**	**LAC FS 71**
FALM				**0700-1900**	**LAC FS 71**
FALM				**0700-1900**	**LAC FS 71**
SOFR FRY O-164	**FRY, CHRISTOPHER**	1	**O-164**	**0700-1900**	**LAC FS 71**

6. Work Assignments:

Construct and improve direct control line as needed.
Construct line around islands.
Mop up 200' from the control line.
Fall hazard trees and trees that threaten control lines.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T29	6	TACTICAL	151.3475N	192.8	151.3475N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 1

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/12/18	Date To:	11/13/18	
	Time From:	0700	Time To:	0700	Branch: V

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (VNC) / Inman (LAC)** **Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)**

Branch Director: **M. Halverson**

Division/Group Supervisor: **M. Lamont / B Porrazzo (T)**

Div/Group: **M**

Mike

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LAC 1137A	MITCHISON, RAY	21	E-78	0700-0700	LAC FS 71
STA LAC 1138A	COOKUS, STEPHEN L	21	E-79	0700-0700	LAC FS 71
STA LAC 1139A	BROOKHYSER, MITCH	21	E-289	0700-0700	LAC FS 71
STA OES WA ST 2	HICKEY, ALEX	20	E-613	0700-0700	LAC FS 71
STC				0700-0700	LAC FS 71
STC				0700-0700	LAC FS 71
ENGINE T/F - ID - TF 1	GAMMEL, TERRY	17	E-624	0700-0700	LAC FS 71
TASK FORCE - T/F - 71	ANDERSON, TORREY	21	E-530	0700-0700	LAC FS 71
STG				0700-0700	LAC FS 71
STG				0700-0700	LAC FS 71
W/T OCF WT66	CABRERA, ANDREW	2	E-157	0700-0700	LAC FS 71
W/T MRA 209	ORME, JOEL	2 +/-	E-133	0700-0700	LAC FS 71
W/T BGP 2313	CARRINGTON, DEREK	2	E-153	0700-0700	LAC FS 71
W/T PVT E-223 PVT TENDER,	NABORS, DUANE	2	E-223	0700-0700	LAC FS 71
W/T PVT E-224 TGU CULP D	WOODS, DON	2 +/-	E-224	0700-0700	LAC FS 71
W/T PVT E-334 PVT TYPE 2	TROEDEL, BRYAN	2	E-334	0700-0700	LAC FS 71
W/T PVT E-340 MVU BRENDA'S	CLEER, DANA	2	E-340	0700-0700	LAC FS 71
W/T PVT E-344 SLU HAYNES	TAYLOR, DALTON	2	E-344	0700-0700	LAC FS 71

6. Work Assignments:

Mop up 200' from the control line.

Hold fire within current control line.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T29	6	TACTICAL	151.3475N	192.8	151.3475N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla **Pos/Title:** RESL **Signature:**

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 137

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/12/18	Date To:	11/13/18	
	Time From: 0700	Time To:	0700	Branch: V

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (VNC) / Inman (LAC) Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)**

Branch Director: **M. Halverson**

Division/Group Supervisor: **M. Lamont / B Porrazzo (T)**

Div/Group: **M**

Mike

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
W/T PVT E-347 BDU L & L	LUCK, GARY	2	E-347	0700-0700	LAC FS 71
FALM				**0700-1900**	**LAC FS 71**
FALM				**0700-1900**	**LAC FS 71**
FALM				**0700-1900**	**LAC FS 71**
SOFR NORMAN	NORMAN	1		0700-0700	LAC FS 71
SOFR RUDOLF O-298	**RUDOLF, HANS**	1	**O-298**	**0700-1900**	**LAC FS 71**

6. Work Assignments:

Mop up 200' from the control line.

Hold fire within current control line.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T29	6	TACTICAL	151.3475N	192.8	151.3475N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 4

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/12/18	Date To:	11/13/18	Branch: VI
	Time From:	0700	Time To:	0700	Div/Group: N

4. Operations Personnel:

Operations Section Chief: Davis / Cook (VNC) / Inman (LAC) Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)

Branch Director: A. Turner

Division/Group Supervisor: M. Juarez / A. Widling (T)

November

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LAC 1102A	D. ROBERTSON		E-21	0700-0700	Hwy 1 x Deer Creek
STA LAC 1136A	ANZAI, WESLEY Y	21	E-77	0700-0700	Hwy 1 x Deer Creek
STC LFD 1880C	DAMERON, BRIAN L	22	E-214	0700-0700	Hwy 1 x Deer Creek
STC LPF 1654 C	**PRICE, CHARLES A**	26	**E-316**	**0700-1900**	**Hwy 1 x Deer Creek**
STC				0700-0700	Hwy 1 x Deer Creek
STC				0700-0700	Hwy 1 x Deer Creek
ENGINE T/F - WA - TF 1	HOTCHKISS, ERIK	18	E-619	0700-0700	Hwy 1 x Deer Creek
ENGINE T/F - NM - TF-1	BRIAN FOX	24	E-618	0700-0700	Hwy 1 x Deer Creek
T/F WOOLSEY #2	**ROCHE, BEN**	14	**E-9043**	**0700-1900**	**Hwy 1 x Deer Creek**
TFLD ALLEY	**ALLEY, GREG**	1		**0700-1900**	**Hwy 1 x Deer Creek**
ENG A5S 348GW	**GIFFORD, KEVIN**	4	**E-428**	**0700-1900**	**Hwy 1 x Deer Creek**
ENG A3S 481GX	**BARBER, WILLIAM**	3	**E-429**	**0700-1900**	**Hwy 1 x Deer Creek**
ENG A5S 020GP	**JOHNSON, DAVID L**	4	**E-433**	**0700-1900**	**Hwy 1 x Deer Creek**
W/T LAC WT128	**MING, BOBBY**	2	**E-16**	**0700-1900**	**Hwy 1 x Deer Creek**
STG TCU 9446G	SEIDEL, BRENT	33	C-30	0700-0700	Hwy 1 x Deer Creek
STG LAC 1182G	GARCIA, RICK J	33 +/-	C-14	0700-0700	Hwy 1 x Deer Creek
CRW SBC 2	MANFRED, BRENT J	17	C-3	0700-0700	Hwy 1 x Deer Creek
DOZ BDU 3540		1		0700-0700	Hwy 1 x Deer Creek

6. Work Assignments:

Structure defense and perimeter control

Perform Tactical Patrol around structures.

Hold fire within current control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions: -

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T30	7	TACTICAL	151.3925N	192.8	151.3925N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 223

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/12/18	Date To:	11/13/18	
	Time From: 0700	Time To:	0700	Branch: VI
4. Operations Personnel:				
Operations Section Chief: Davis / Cook (VNC) / Inman (LAC)		Night Ops: Blankenheim /		Div/Group: N
Branch Director: Spykerman (VNC) / Hale (LAC)				
Division/Group Supervisor: A. Turner				November
M. Juarez / A. Widling (T)				Page 2 of 2

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
DOZ ORC 2	MONTELEONE, RYAN J	2 +/-	E-129	0700-0700	Hwy 1 x Deer Creek
STL SBC 9322L	LINANE, JESSE	4	E-24	0700-0700	Hwy 1 x Deer Creek
W/T VNC 40	BUCKLES, STEVEN	2	E-284	0700-0700	Hwy 1 x Deer Creek
W/T KRN OES 51	KENNISON, ANDREW	2	E-57	0700-0700	Hwy 1 x Deer Creek
W/T PVT E-56 REE OES WT52	AGUEDA	2	E-56	0700-0700	Hwy 1 x Deer Creek
W/T PVT E-49 PVT 1 WATER AND	THOMAS	1	E-49	0700-0700	Hwy 1 x Deer Creek
W/T PVT E-52 PVT WEYRICK	COON, STEVEN	2	E-52	0700-0700	Hwy 1 x Deer Creek
W/T PVT E-54 PVT FIRELINE SE	HURL	2	E-54	0700-0700	Hwy 1 x Deer Creek
W/T PVT E-230 PVT GERALD WA	BRYANT, JERRY	1	E-230	0700-0700	Hwy 1 x Deer Creek
W/T PVT E-231 LITTLE BIG MAN	**STROTHER, TOM**	1	**E-231**	**0700-1900**	**Hwy 1 x Deer Creek**
FEMP LOPEZ O-212	LOPEZ, RYAN J	1	O-212	0700-0700	Hwy 1 x Deer Creek
FEMT DOLER O-207	DOLER, DEREK	1	O-207	0700-0700	Hwy 1 x Deer Creek
SOFR LUCAS		1		0700-0700	Hwy 1 x Deer Creek
SOFR MARTIN O-299	**MARTIN, MATTHEW**	1	**O-299**	**0700-1900**	**Hwy 1 x Deer Creek**

6. Work Assignments:

Structure defense and perimeter control

Perform Tactical Patrol around structures.

Hold fire within current control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T30	7	TACTICAL	151.3925N	192.8	151.3925N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 23

NIMS IAP

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/12/18	Date To:	11/13/18	Branch: VI
	Time From:	0700	Time To:	0700	Div/Group: P

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (VNC) / Inman (LAC) Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)**

Branch Director: **A. Turner**

Division/Group Supervisor: **P. Byde / A. Estabrook**

Papa

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA OES ST5	MCDANIEL, DAVID	22	E-614	0700-0700	DP 7-2
STC XTB 4238C	MEANS, SCOTT	16	E-69	0700-0700	DP 7-2
STC				0700-0700	DP 7-2
STC				0700-0700	DP 7-2
STF LAC 1145F					**DP 7-2**
T/F WOOLSEY #3	**SOULE, TIM**	21	**E-9046**	**0700-1900**	**DP 7-2**
TFLD NESSA		1		**0700-1900**	**DP 7-2**
ENG A4S 332HF	**CARLOTT, CHRIS**	4	**E-440**	**0700-1900**	**DP 7-2**
ENG A3S 285DG	**KINGSLEY, ALFRED**	3	**E-441**	**0700-1900**	**DP 7-2**
ENG A3S 615CS	**COLLINGS, DAVID**	3	**E-442**	**0700-1900**	**DP 7-2**
ENG A2S 432FG	**CHAVEZ, CHRISTIAN**	3	**E-443**	**0700-1900**	**DP 7-2**
ENG A5S 605HX	**RODRIGUEZ, DAVID R**	3	**E-444**	**0700-1900**	**DP 7-2**
ENG A3S 275GX	**DDLETON, KRISTOPHER**	4	**E-445**	**0700-1900**	**DP 7-2**
CRW VNC C11		16 +/-	**C-1**	**0700-1900**	**DP 7-2**
CRW VNC C12				**0700-1900**	**DP 7-2**
CRW SBC 1					**DP 7-2**
STG				0700-0700	DP 7-2

6. Work Assignments:

Hold fire within current control line.

Structure defense and perimeter control

Construct and improve direct control line as needed.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T30	7	TACTICAL	151.3925N	192.8	151.3925N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 96

NIMS IAP

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/12/18	Date To:	11/13/18	
	Time From: 0700	Time To:	0700	Branch: VI
4. Operations Personnel:				
	Davis / Cook (VNC) / Inman (LAC)	Night Ops: Blankenheim /		Div/Group: P
Operations Section Chief:	Spykerman (VNC) / Hale (LAC)			
Branch Director:	A. Turner			Papa
Division/Group Supervisor:	P. Byde / A. Estabrook			Page 2 of 2

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STL RRU 9318L	BENNETT, ANDREW W	5	E-386	0700-0700	DP 7-2
DOZ PVT E-363 PVT BOHNA RANCH	BURTON, HERB	2	E-363	0700-0700	DP 7-2
DOZ PVT E-369 PVT SIERRA GEN	HAUBER, CHASE	2	E-369	0700-0700	DP 7-2
W/T CMB 57	CASTELLANOS, MICHAEL	2	E-134	0700-0700	DP 7-2
W/T PVT E-64 OES OES WT11	CASILLI, JEFFREY M	2	E-64	0700-0700	DP 7-2
SOF2 PLYMALE O-96	PLYMALE, THOMAS A	1	O-96	0700-0700	DP 7-2
FEMP JORDAN O-326	ORDAN, SHAWN MICHAE	1	O-326	0700-0700	DP 7-2
FEMT AMES O-327	AMES, ANDREW OLIVER	1	O-327	0700-0700	DP 7-2

6. Work Assignments:

Hold fire within current control line.
Structure defense and perimeter control
Construct and improve direct control line as needed.
Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T30	7	TACTICAL	151.3925N	192.8	151.3925N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla **Pos/Title:** RESL **Signature:**

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 16

NIMS IAP

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/12/18	Date To:	11/13/18	Branch: VII/VIII
	Time From:	0700	Time To:	0700	Div/Group: Q

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (VNC) / Inman (LAC)** **Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)**

Branch Director: **C. Bogan**

Division/Group Supervisor: **S. Gast**

Quebec

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LAC 1120A	ESPY, TRAVON T	21	E-119	0700-0700	DP 7-6
STA LAC 1140A	SPREWELL, ROLAND	22	E-290	0700-0700	DP 7-6
STA XOR 1421A	WIGG, CHRIS	22	E-16	0700-0700	DP 7-6
STC XMR 2140C	MCCARTHY, GERALD	22	E-61	0700-0700	DP 7-6
STC CNF 6632C	**COX, SEAN J**	12	**E-312**	**0700-1900**	**DP 7-6**
STG MVU 9337G	COULTRESS JR, CARL J	33	C-12	0700-0700	DP 7-6
CRW STF 28	**STEFL, JERROD**	20	**C-48**	**0700-1900**	**DP 7-6**

6. Work Assignments:

Hold fire within current control line.

Mop up 100'. Cut and improve line where needed.

Perform Tactical Patrol around structures.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T31	8	TACTICAL	159.3825N	192.8	159.3825N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 152

NIMS IAP

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/12/18	Date To:	11/13/18	
	Time From: 0700	Time To:	0700	Branch: VII/VIII

4. Operations Personnel:

Operations Section Chief: Davis / Cook (VNC) / Inman (LAC) Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)

Branch Director: C. Bogan

Division/Group Supervisor: C. Tate / R. Decamp (T)

Div/Group: S

Sierra

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA XSD 6431A	MORA, SERGIO MANUEL	17	E-44	0700-0700	DP 7-6
STA OES 1860A				0700-0700	DP 7-6
STC SLU 9341C	RYAN, JESSE	16	E-37	0700-0700	DP 7-6
STC				0700-0700	DP 7-6
STE OES WA ST 1	OBSON, ANTHONY (STEN	22	E-616	0700-0700	DP 7-6
ENGINE T/F - WA - TF 6	DRAKE, NATHAN	22	E-617	0700-0700	DP 7-6
T/F WOOLSEY #1	**PICAZO, ROBERTO**	13	**E-9041**	**0700-1900**	**DP 7-6**
ENG A2S 447FG	**ROVA, MARCUM JR H**	3	**E-391**	**0700-1900**	**DP 7-6**
ENG A5S 507DN	**LEFLET, WILLIAM H**	3	**E-432**	**0700-1900**	**DP 7-6**
ENG A3S 361	**WEVERKA, TODD S**	3	**E-450**	**0700-1900**	**DP 7-6**
ENG A3S 109DW	**BALDWIN, BRENNAN**	3	**E-509**	**0700-1900**	**DP 7-6**
W/T PAS WT37	**HOBBS, GARY**	2	**E-62**	**0700-1900**	**DP 7-6**
T/F WOOLSEY #4	**MOE, MATTHEW A**	22	**E-9044**	**0700-1900**	**DP 7-6**
ENG A3S 396GL	**MILLS, CHUCK W**	4	**E-446**	**0700-1900**	**DP 7-6**
ENG A4S 795HV	**DIBENEDETTO, AL J**	4	**E-447**	**0700-1900**	**DP 7-6**
ENG A2S 165JC	**MCGRAW, JERRY**	4	**E-448**	**0700-1900**	**DP 7-6**
ENG A2S 254FP	**OODSIDE, DELTON BRIA**	3	**E-449**	**0700-1900**	**DP 7-6**
ENG A1S 461FN	**BRUGLIO, PHILLIP D**	3	**E-451**	**0700-1900**	**DP 7-6**
ENG A1S 213BT	**RIPPY, MARK**	3	**E-508**	**0700-1900**	**DP 7-6**

6. Work Assignments:

Hold fire within current control line.

Perform Tactical Patrol around structures.

Mop up 100' in from control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T31	8	TACTICAL	159.3825N	192.8	159.3825N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200

Personnel Count: 144

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/12/18	Date To:	11/13/18	Branch: VII/VIII
	Time From:	0700	Time To:	0700	Div/Group: S

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (VNC) / Inman (LAC)** **Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)**

Branch Director: **C. Bogan**

Division/Group Supervisor: **C. Tate / R. Decamp (T)**

Sierra

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STG LAC 1181G	**RILEY, BRIAN J**	33 +/-	C-13	**0700-1900**	**DP 7-6**
STG				0700-0700	DP 7-6
STG				0700-0700	DP 7-6
W/T XFR #14	GARCIA, CHRIS			0700-0700	DP 7-6
W/T PVT OES 62	DUNCAN, SCOTT	2	E-58	0700-0700	DP 7-6

6. Work Assignments:

Hold fire within current control line.

Perform Tactical Patrol around structures.

Mop up 100' from the control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T31	8	TACTICAL	159.3825N	192.8	159.3825N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 35

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/12/18	Date To:	11/13/18	
	Time From: 0700	Time To:	0700	Branch: VII/VIII

4. Operations Personnel:

Operations Section Chief: Davis / Cook (VNC) / Inman (LAC) Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)

Branch Director: C. Bogan

Division/Group Supervisor: J. Tieso

Div/Group: T

Tango

5. Resources Assigned: ** Resources Below In Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LAC 1111A	HERNANDEZ, STEVEN A	21	E-70	0700-0700	VNC FS 31
STC				0700-0700	VNC FS 31
T/F WOOLSEY #5	**PETERMAN, FORREST**	18	**E-9045**	**0700-1900**	**VNC FS 31**
ENG A2S 893CP	**ALLEN, WADE**	3	**E-435**	**0700-1900**	**VNC FS 31**
ENG A1S 760GP	**BROWN, ERIC B**	4	**E-436**	**0700-1900**	**VNC FS 31**
ENG A4S 727EP	**JOHNSTON, KEVIN H**	3	**E-437**	**0700-1900**	**VNC FS 31**
ENG A3S 368HF	**VERDUGO, OSCAR**	4	**E-438**	**0700-1900**	**VNC FS 31**
ENG A3S 874FH	**BERNAL, CHRIS**	3	**E-439**	**0700-1900**	**VNC FS 31**
STG				0700-0700	VNC FS 31
STG				0700-0700	VNC FS 31
STG				0700-0700	VNC FS 31

6. Work Assignments:

Hold fire within current control line.

Mop up 200' from the control line.

Fall hazard trees and trees that threaten control lines.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T32	9	TACTICAL	151.2425N	192.8	151.2425N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 56

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/12/18	Date To:	11/13/18	Branch: IX/X
	Time From:	0700	Time To:	0700	Div/Group: V

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (VNC) / Inman (LAC)** **Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)**

Branch Director: **R. Lucas**

Division/Group Supervisor: **B. Myers**

Victor

5. Resources Assigned: ** Resources Below In Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA OES6 6840A	FRY, JOHN MURRAY	21	E-27	0700-0700	DP 10-06
STC				0700-0700	DP 10-06
STG				0700-0700	DP 10-06

6. Work Assignments:

Hold fire within current control line.

Mop up 200' from the control line.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T34	10	TACTICAL	151.4675N	192.8	151.4675N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 21

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/12/18	Date To:	11/13/18	
	Time From: 0700	Time To:	0700	Branch: IX/X
4. Operations Personnel:				
Operations Section Chief:	Davis / Cook (VNC) / Inman (LAC)	Night Ops: Blankenheim /		Div/Group: X
	Spykerman (VNC) / Hale (LAC)			
Branch Director:	R. Lucas	#N/A		X-ray
Division/Group Supervisor:	S. Turner			Page 1 of 1

5. Resources Assigned: ** Resources Below In Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STC				0700-0700	DP 10-06
STE OES WA ST2	BORTNER, JEFF	21	E-615	0700-0700	DP 10-06
STG				0700-0700	DP 10-06
STG				0700-0700	DP 10-06
W/T BSH 14	JANNEY, JAMES	2	E-156	0700-0700	DP 10-06
W/T SWF 3982	SHIFFMAN, ELDON	2	E-154	0700-0700	DP 10-06

6. Work Assignments:

Hold fire within current control line.

Mop up 200' from the control line.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
CDF T35	11	TACTICAL	159.3225N	192.8	159.3225N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 25

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/12/18	Date To:	11/13/18	Branch:
	Time From:	0700	Time To:	0700	Staging **Freedom**

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (VNC) / Inman (LAC) Night Ops: Blankenheim / Spykerman (VNC) / Hale (LAC)**

Branch Director:

Division/Group Supervisor: **J. Davis**

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
DOZ PVT HALEY E-124	**HALEY, BRYAN**	1	**E-124**	**0700-1900**	**ICP**
DOZ PVT E-361 SLU WILBER	**EMERY, ALTON**	1	**E-361**	**0700-1900**	**ICP**
DOZ PVT E-364 PVT RESTAD	**RESTAD, BRUCE**	1	**E-364**	**0700-1900**	**ICP**
DOZ PVT E-371 PVT ERIC	**KRISMAN, TYLER**	1	**E-371**	**0700-1900**	**ICP**
DOZ PVT E-380 PVT CHRISTIAN &	**CHRISTIAN, BRAD**	1	**E-380**	**0700-1900**	**ICP**

6. Work Assignments:

Monitor command frequencies.

Maintain 3 minute response time.

7. Special Instructions:

*All Resources in Staging are a 12 Hour Resource

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
.							
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/11/2018 2200 Personnel Count: 5

NIMS IAP

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Date/Time Prepared	3. Operational Period:
Woolsey	Date: 11/11/2018	Date From: 11/12/18 Date To: 11/13/18
Incident Channels	Time: 1930	Time From: 0700 Time To: 0700

4. Communications

Ch#	Function	Name	Assigned To	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
1	COMMAND	VNC C8	ALL DIVS	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 4
2	COMMAND	LAC V4		152.5700N	151.4	157.8300N	151.4	LA CO V4
3	TACTICAL	CDF T26	DIV B	159.2925N	192.8	159.2925N	192.8	
4	TACTICAL	CDF T27	DIV C	159.3075N	192.8	159.3075N	192.8	
5	TACTICAL	CDF T28	DIV F	151.1825N	192.8	151.1825N	192.8	
8	TACTICAL	CDF T29	DIV J/M	151.3475N	192.8	151.3475N	192.8	
7	TACTICAL	CDF T30	DIV N/P	151.3925N	192.8	151.3925N	192.8	
8	TACTICAL	CDF T31	DIV Q/S	159.3825N	192.8	159.3825N	192.8	
9	TACTICAL	CDF T32	DIV T	151.2425N	192.8	151.2425N	192.8	
10	TACTICAL	CDF T34	DIV V	151.4675N	192.8	151.4675N	192.8	
11	TACTICAL	CDF T35	DIV X	159.3225N	192.8	159.3225N	192.8	
12	TACTICAL	VFIRE 23	DIV A	154.2950N	156.7	154.2950N	156.7	
13	A/G CMD	CDF T18	ALL DIVS	159.3450N	192.8	159.3450N	192.8	AIR TO GROUND CMD
14	A/G TAC	CDF T16	ALL DIVS	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
15	MEDICAL	CALCORD	ALL DIVS	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
16	EMERGENCY	AIR GUARD	ALL DIVS	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1
17								
18								
19								
20	EMERGENCY	AIR GUARD	ALL DIVS	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

5. Special Instructions

All frequencies are ANALOG/NARROWBAND
Comm Unit Phone 559-641-1583

6. Prepared by (Communications Unit Leader): Name: Signature:_____

AIR OPERATIONS SUMMARY ICS-220

Time Prepared	Date Prepared	Prepared By
1600	Sunday, November 11, 2018	Sean O'Hara

Incident Name / Number	Sunrise	Startup	Cutoff	Sunset	Shutdown	Operational Period - Date	Operational Period - Time
Woolsey / CA-VNC-91023	624	654	1623	1653	1723	Monday November 12, 2018	0600-0600

General Remarks, Safety Notes, Hazards, Air Operations Special Equipment, etc.

TRACK ALL DIPSITE LOCATIONS / NUMBER OF DIPS / GALLONS TAKEN.
TRACK ALL DROP LOCATIONS / NUMBER OF DROPS / GALLONS DROPPED
All GPS DATA TO BE COLLECTED IN DEGREES, MINUTES, DECIMAL MINUTES FORMAT.

AVOID Aerial Application of Retardant / Foam / Agent within 300' of Waterways, Bodies of Water, etc. If Retardant / Foam / Agent Is Dropped Within These Areas Immediately Notify the AOBD and Provide the Following Information: Lat / Long, Estimated Number of Gallons and a Map Detailing The Area.

Only Access Helibase from Academy Dr., Gate 1- Code 3512#

Your Sunrise and Sunset Info has not been updated for the current Op period [Update]

Helibase Information

Name Camarillo
Latitude 34 12.27
Longitude 119 04.34

Name
Latitude
Longitude
(use page 2 if needed)

TFR Information

Request # A-92
Radius: NM
Altitude: 5,500 MSL
Centerpoint: Lat / Long
NOTAMS: 8/4202
Frequency 118.5750
http://tfr.faa.gov/tfr2/list.html

Rescue Ship Information

	Day Hoist	Night Hoist
Name	VNC 6	VNC 6
Phone		
Make/Model	Bell 205++	Bell 205++
Location	Camarillo	Camarillo

Request Procedure for These Aircraft:
Through Division/Branch to Comms
See Medical Plan For Additional Info

Frequencies	TX	Tone	RX	Tone	AM / FM
Command	see comm plan		see comm plan	186.2000	FM
A/G CMD CDF T18	159.2850	192.8	159.2850	192.8	FM
A/G TAC CDF T16	159.3450	192.8	159.3450	192.8	FM
Rotor Victor/TFR	118.5750		118.5750		AM
AIR TACTICS	169.1500		169.1500		FM
Air/Air Primary	125.1250		125.1250		AM
Air/Air Secondary	125.6750		125.6750		AM
TOLC	123.0250		123.0250		AM
DECK	163.1000		163.1000		FM
CALCORD - MEDICAL	156.0750	156.7	156.0750	156.7	FM
AIRGUARD - Emergency Only	168.6250	110.9	168.6250		FM

Position	Name	Phone	Trainee	Phone
AOBD	Sean O'Hara	530-448-2408	Brad Idol	805-338-4715
ASGS	Gerry Magana	530-200-2511		
HEBM	Niko Matteoli	704-488-2460		
HLCO	John Zuniga	209-304-3464		
HLCO	Jim Gonzalez	619-607-8642		
ATGS	Justin McGough	951-840-8155		
ATGS	Eric Haskins	909-659-5233		
MLO	Matt Mihalco	805-610-1469		

HELICOPTERS (Use page 2 If Needed)

FAA #	Type	Make/Model	Helibase	Avail	Start	Remarks
731	I	S64F	Van Nuys	0730	0630	LACo IA/ Resource Tank A-23
732	I	S64F	Camarillo	0730	0630	Tank, A-58
2HT	I	CH54B	Camarillo	0730	0630	Tank , A-89
1CH	I	CH47	Camarillo	0730	0630	Tank, A-90
3CH	I	CH47	Camarillo	0730	0630	Bucket, A-91
792	I	S64	Camarillo	0730	0630	Tank, A-130
793	I	S64	Camarillo	0730	0630	Tank, A-129
XFT	I	Kmax	Camarillo	0730	0630	Bucket, A-123
19LA	I	S-70	Barton	0730	0630	Tank, NVG, ALS Hoist, A-163
286	I	UH-60	Camarillo	0730	0630	Bucket, A-43
	Type					
526	II	Bell 212HP	Camarillo	0730	0630	Tank, A-132
530	II	Bell 205++	Camarillo	0730	0630	Tank, A-124
532	II	Bell 205++	Camarillo	0730	0630	Tank, A-131
VNC6	II	Bell 205++	Camarillo	0730	0630	Tank, NVG, ALS Hoist, A-139
308	II	Bell 205++	Camarillo	0730	0630	Tank, NVG, A-136

FAA #	Type	Make/Model	Helibase	Avail	Start	Remarks
408	II	Bell 205++	Camarillo	0730	0630	Tank, NVG, A-127
5TK	II	Bell 205++	Camarillo	0730	0630	Bucket, A-59
3LK	II	Bell 205++	Camarillo	0730	0630	Bucket, A-42
	Type					
407GH	III	Bell 407	Camarillo	0730	0630	HLCO, Recon, A-72
3SH	III	206L	Camarillo	0730	0630	HLCO, Recon, A-73
2BH	III	206L	Camarillo	0730	0630	HLCO, Recon, A-74
535	III	Bell 407	Camarillo	0730	0630	HLCO, Recon, A-138

FIXED WING (Use Page 2 If Needed)

FAA #	Type	Make/Model	Base	Avail	Start	Remarks
500	Air Tactical	OV-10	Hemet	730	630	
12	Air Tactical	AC690	San Bernardino	800	700	

MEDICAL PLAN ICS 206	1. INCIDENT NAME WOOLSEY INCIDENT	2. DATE PREPARED 11/11/2018	3. TIME PREPARED 1700	4. OPERATIONAL PERIOD 11/12-11/13, 0700-0700

5. INCIDENT MEDICAL AID STATIONS

MEDICAL AID STATIONS		LOCATION	PARAMEDICS YES	PARAMEDICS NO
MERT		CDC SLEEPING AREA	RN	
MOUNTAIN MEDICS		TRAILER ROW	RN	

6. TRANSPORTATION

A. AMBULANCE SERVICES

NAME	LOCATION	PHONE	PARAMEDICS YES	PARAMEDICS NO
AMR 492, 498, 499	ICP, PCH (BR VI), HWY 101 (BR VII)	COMMUNICATIONS	X	

B. AIR AMBULANCES

NAME		LOCATION	PARAMEDICS YES	PARAMEDICS NO
VENTURA COPTER 6 (HOIST)		CAMARILLO AIRPORT	ALS	

7. HOSPITALS

NAME	ADDRESS	TRAVEL TIME AIR	TRAVEL TIME GRND	PHONE	HELIPAD YES	HELIPAD NO	BURN CENTER YES	BURN CENTER NO
Los Robles Regional TRAUMA LEVEL 2	215 W Janss Rd, Thousand Oaks 34° 12.477'N, 118° 52.960'W	5 min	15 min	(805) 370-5901	X			X
Ventura County Med TRAUMA LEVEL 2	300 Hillmont Ave, Ventura 34° 16.635'N, 119° 15.211'W	10 min	20 min	(805) 652-6165	X			X
West Hills Hospital TRAUMA LEVEL 2	7300 Medical Center Dr., West Hills 34° 12.186'N, 118° 37.711'W	15 min	40 min	(818) 676-4999	X		X	
UCLA Medical Center TRAUMA LEVEL 1	757 Westwood Plaza Los Angeles 34° 04.00'N, 118° 26.77'W	20 min	60 min	(310) 208-5387	X			X

8. MEDICAL EMERGENCY PROCEDURES

EMERGENCY FREQUENCY:
"LINE EMERGENCY"

Crew Supervisor will contact Division Supervisor with patient complaint/condition and location.

- Division/Group Supervisor contacts:
  1. Closest EMS resource
  2. Communications Unit
- Communications Unit contacts:
  1. Ground or Air ambulance as requested
  2. Operations
  3. Safety
  4. Medical Unit
- Division Supervisor or designee will serve as point of contact and run medical emergency on assigned channel.
  1. A pre-assigned tactical frequency CALCORD should be used for IWI and only for duration of need.
- Communications Unit will clear command channel for emergency traffic as needed and only for duration of need.

CAMP EMERGENCY:

Contact Medical Unit with patient complaint/condition and location. Medical Staff will respond to stabilize incident:

- Medical Unit contacts:
  1. Communications
  2. Safety
  3. Logistics
  4. Operations
  5. Crew Supervisor
  6. Comps/Claims

INJURY REPORTING PROCEDURES

CHIEF COMPLAINT_____
LOCATION OF PATIENT_____
POINT OF CONTACT_____
TRANSPORTATION REQUESTED BY:AIR___ GROUND__
POINT OF PICKUP_____
LAT _____ **LONG** _____
PATIENT UNIT ID_____
IS AN EMT/P WITH PATIENT: YES ____ NO____
AGE_____
SEX: MALE____ FEMALE____

ALL EMERGENCIES---Secure the area and identify witnesses for later investigation. Keep an accurate log of events.

****IN CAMP EMERGENCIES****
805-384-2339

ICS 206	9. PREPARED BY: (Medical Unit Leader) JOSIAH STALEY (SJS)		10. REVIEWED BY: (Safety Officer) DAN MCNAMARA (SRM)

STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY AND FIRE PROTECTION

PROPERTY CERTIFICATION OF LOCATION OR DAMAGE CERTIFICATE OF RESPONSIBILITY FOR INCIDENT OCCURRANCE

Incident#:

Request #:

NOTE: This form must not be used to certify lost, stolen or worn out property. A STD 152 Property Survey Report must be completed.

CAL FIRE-101 page 1 of 2 (1/07)

DOC. NUMBER:

LOCATION / INCIDENT NAME:	INCIDENT NUMBER:	UNIT:	REGION:	DATE:
THE FOLLOWING ARTICLES WERE: (broken, left on line, damaged, or other)				DATE OF OCCURANCE:

QUANTITY	UNIT OF MEAS.	CAL FIRE STOCK NUMBER (COMPLETE WHENEVER ASSIGNED)	DESCRIPTION (INDICATE SIZE, MAKE, MODEL, TYPE, ETC., TO CLEARLY DESCRIBE THE ITEM, PROVIDE ADEQUATE DATA TO EFFECTIVELY IDENTIFY EQUIPMENT OR PROPERTY.)	PROPERTY NUMBER

LOCATION OF ITEMS:

REMARKS:

SIGNATURE OF PERSON CERTIFYING OCCURANCE AS DESCRIBED			
SIGNATURE:	PRINTED NAME:	TITLE:	DATE:

DIV:_____ Div's Name:_____

Div. Signature:_____

Attention Division Group Sup., by signing you are verifying that the above list items where left on the incident and may qualify for replacement by the Supply Unit and / or Incident.

WOOLSEY FIRE

CA-VNC-091023

FINANCE MESSAGE

Finance / Admin Section

- Finance Section is located on trailer row
- Please come by the Time Unit and start your and update your FC-33
- Vendors please drop off your agreements to the Time Unit
- Shift Tickets need to be completed by line supervisor, and turned in at the end of each shift
- All injuries need to be reported to the COMP / CLAIMS Unit
- All property Damage must be reported and documented
- Please report any Vehicle Damage, this includes Rental Vehicles
- Local Government please check in with OES
- Federal Time: Timekeeper on site.
- **OFF-SITE FEEDING IS NOT APPROVED**
- Water usage report needs to be turned in daily to the COMP / CLAIMS Unit

- ***This fire is a under cost apportionment***
  ALL DIVS, OPBD, STAM NEED TO DEBRIEF WITH THE COST APPORTIONMENT TEAM DAILY.
  Cost apportionment is located on trailer row.

INCIDENT BILLING INFORMATION

CAL FIRE – SAN LUIS OBISPO UNIT

635 N. Santa Rosa

Index Code: 3013

E-fund Billing Code: 013815

WATER USAGE REPORT

DATE: 8/14/18 **WORK LOCATION:** DIV A **REQUEST #:** E-23

AGENCY or VENDOR NAME: CAL FIRE/AAA Water **RESOURCE ID:** WT51/C309

TURN IN TO COMP/CLAIMS DAILY

WATER SOURCE LOCATION Address, DP #, Lat-Long, etc.	Hydrant	Open source i.e. pond	Tank	Gallons Used	Property Owner and Contact Number if known **

**Please note if you made contact with property owner and their contact. (Use reverse side if needed.)

Additional Information:_____.

The intent of this document is to track, record and validate the amount of water used on a incident.
It is not intended to review the performance of equipment using the water on an incident.

TRAINING SPECIALIST MESSAGE

A Training Specialist is now on the incident.

ALL ASSIGNED TRAINEES

working on position task books will need to register with the Incident Training Specialist in order to receive proper credit for your assignment.

The Training Specialist is available immediately following the morning Operations Briefing.
Location: Next to the Copy Trailer

TRAINING SPECIALIST

Cory Cisneros 909.644.6379
Claudia Soiza 949.632.7813
Jon Garber 909.499.6863 (t)
Danielle McMillon 310.951.2136(t)

Incident Trainee/Trainer Data Form

Training Specialists: Cory Cisneros 909.644.6379 Claudia Soiza 949.632.7813
Danielle McMillon (t) 310.951.2136 Jon Garber (t) 909.499.6863

- All Incident trainees, including those on Firefighting Modules at your earliest opportunity complete this form and see the Training Specialist.
- Prior to or as you process through DEMOB, remember to close your training package. To close your training package bring: 1) A performance rating from your trainer. (ICS 225)
  2) Your task book that has as many entries as possible by your Trainer.

Trainee Data

Trainee Name: _____ ICS Trainee Position: _____

Request # (A,C,E, or O):_____ Agency Designator (MACS ID Ex. CA-ANF):_____

Ordered as Trainee? Y N _____ Regional Priority Trainee _____ Local Forest Trainee ____ IMT Trainee

Date Assigned: _____ Cell / Contact # While on Incident: _____

Training Records Mailed To: (Fire Chief, Training Officer):

Name: _____ Title_____

Name of Agency/Unit: _____

Agency/Unit Address: _____

City: _____ State: _____ Zip Code: _____ Phone: _____

Trainee Prerequisites

1. Possesses valid Red Card or agency certification card? ___Yes ___No

2. Trainee has current position task book issued by home unit? ___Yes ___No

Current Task Book Progress (Circle) 0% 25% 50% 75% 90%

Priority Open Task in PTB (What do you need to accomplish on this incident?)

Trainer/Evaluator Data

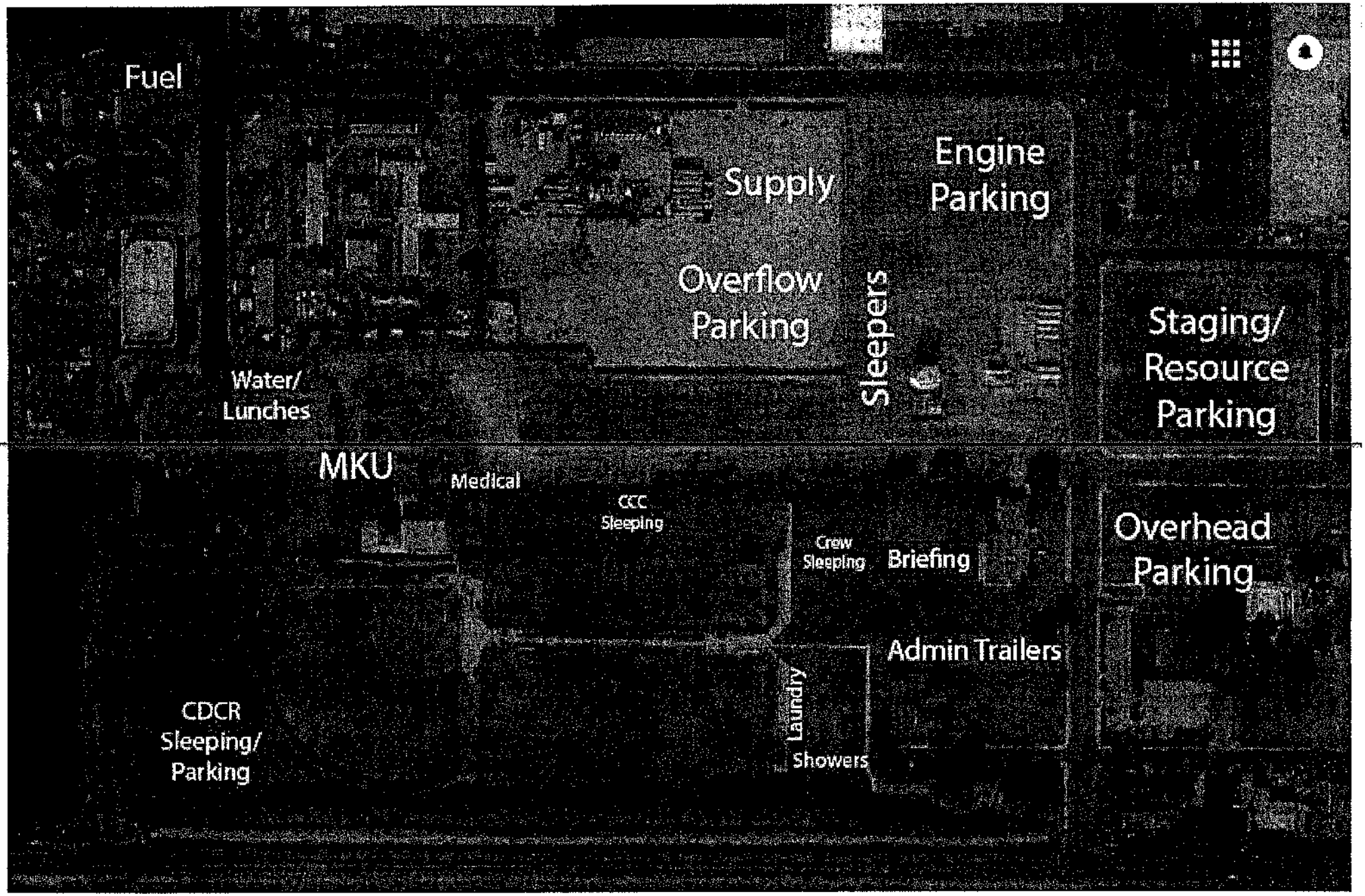
Trainer / Evaluator Name: _____ ICS position on fire: _____

Home Unit:_____ Agency Designator (Ex. CA-ANF):_____ Request #

Work Address:_____

City: _____ State:_____ Zip Code:_____

Cell / Contact While on Incident: _____


Fuel
Supply
Engine Parking
Overflow Parking
Sleepers
Staging/ Resource Parking
Water/ Lunches
MKU
Medical
CCC Sleeping
Crew Sleeping
Briefing
Overhead Parking
Admin Trailers
Laundry
Showers
CDCR Sleeping/ Parking

1. Incident Name:	2. Operational Period: Date From: Time From:	Date To: Time To:
3. Name:	4. ICS Position:	5. Home Agency (and Unit):

Date/Time	Notable Activities

8. Prepared by: Name: ______________ Position/Title: ______________ Signature: ______________

ICS 214, Page 2 of ______ Date/Time: ______________

ACTIVITY LOG (ICS 214)

1. Incident Name:	2. Operational Period: Date From: Time From:	Date To: Time To:
3. Name:	4. ICS Position:	5. Home Agency (and Unit):

6. Resources Assigned:

Name	ICS Position	Home Agency (and Unit)

7. Activity Log:

Date/Time	Notable Activities
	North 101 Closed
	South 101
	- Malibu Canyon
- 500 per Pole s	-
- 30 crews	
-	
	South Suzanne Field Labs
Cellular -	
ATT	
	Evacuation Area
	Process - SCT Jail

8. Prepared by: Name:	Position/Title:	Signature:
ICS 214, Page 1 of	Date/Time:	

Tim (765) 348-8563

Paul Avila (559) 706-8802

Chief Fred Clinkenbeard (209) 419-4413

Woolsey Incident

CA-VNC-91023

Incident Action Plan

Operational Period

Nov 13th - Nov 14th 2018

0700 - 0700

BOX

FTP

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:	2. Operational Period:	Date From:	11/13/2018	Date To:	11/14/2018
Woolsey		Time From:	0700	Time To:	0700

3. Objective(s):

Management Objectives

-Provide for emergency personnel and public safety at all times by ensuring hazards and risks are identified, communicated and mitigated through the hazard risk assesment process.

-Protect property, improvements, and infrastructure.

-Ensure an appropriate evacuation and repopulation plan is in place and communicated.

-Foster and strengthen relationships by recognizing the needs of all unified, assisting and cooperating agencies.

-Accurately track costs and provide fiscal accountability while ensuring the needs of the incident are met.

-Ensure timely and accurate information is coordinated and provided to the public end cooperators

Control Objectives

-Keep the fire North of the Pacific Coast Highway

-Keep the fire South of Highway 118

-Keep the fire East of South Reino Road & Sycamore Canyon Road

-Keep the fire West of Topanga Canyon Boulevard

General Situational Awareness:

Steep and rugged terrain, critically dry and receptive fuel beds, active area for fire history and drought stressed trees.

The fire area has a significant history for firefighter entrapments and injuries.

5. Site Safety Plan Required? Yes ☐ No ☑

Approved Site Safety Plan(s) Located at:

6. Incident Action Plan

☑	ICS 203	☑	ICS 215A	☐	Phone List	☐	Fire Suppression Repair Plan
☑	ICS 204	☑	ICS 220	☑	Training Message	☐	
☑	ICS 205	☑	Incident Map	☐	Travel Map	☐	
☑	ICS 206	☑	Weather Forecast	☐	Demob Plan	☐	
☑	ICS 208	☐	Fire Behavior	☑	Finance Message	☑	ICS 214

7. Prepared By: Anale Burlew / Mitch Diehl Position/Title: PSC Signature:

8. Approved by Incident Commander: Mike Parkes Signature:

ICS 202 NIMS IAP

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:	2. Operational Period: Date From:	11/13/2018	Date To:	11/14/2018
Woolsey	Time From:	0700	Time To:	0700

3. Incident Commander(s) and Command Staff:	
IC/UC's	Parkes / Myers / Estrada
	Watkins / Richardson / Lorenzon
	Gage / Minton
Safety Officer	McNamara / Lawson (T) / Balagad
Information Officer	Jeff Laruso
Liaison Officer	Jones (T) / Davis / Jared / Lewis (T0 / Garcia (T) / Haines / Shy (T) / Klar

4. Agency/Organization Representatives:	
Agency/Organization	Name
NPS	Derrek Hartman
CDCR	Lt. Ellers
Fish & Game	JC Healy
Public Health	Mike Rogers
Public Heath	Pablo Valadez
VC Animal Control	Ryan Bay
CAL OES	David Stone
American Red Cross	Cary Vanaulsdall
LA County CEO OEM	Anthony Araelian
SCE Supervisor	Dan Face
SCE Supervisor	Scott Brown
USFS	Michael Strawhun
USFS	Dave Valencia
LA Animal Control	Cesar Chavez
CHP	Kevin Kurker
CA State Parks	Jack Futoran
CCC	Hector Garcia

5. Planning Section:	
Chief	Anale Burlew / Mitch Diehl
Deputy	Sean Griffis / Al Yanagisawa
Resource Unit	Wood / McCarroll / Padilla
Situation Unit	Jim Day / John Hamer
Documentation Unit	Wally Collins
Demobilization Unit	Arturo Mota / Greg Barnhart (t)
GISS	Matt Turner / Ed Lamas
FBAN	Troy Velin
IMET	Rich Thompson
Training Tech Spec	Cisneros / Soiza / McMillon

6. Logistics Section:	
Chief	Reynolds / Robbins / Takeshita
Deputy	Williams / Whitney
Supply Unit	Josh Randoll
Facilities Unit	Brian Pottenger
Ground Support Unit	Tim Fitzgerald
Communications Unit	Ken Parker
Medical Unit	Josh Staley
Ordering Unit	Mike Worford / Craig Zimmerman

7. Operation Section:		
Operations	Davis / Cook (Branch VI - X) / Inman (Branch I - V)	
Deputy Operations	Berbena / Shea / Alkonis	
Night Ops	Blankenhelm / Spykerman (Branch VI - X) / Hale (Branch I - V)	
Staging Area		
Branch	**I**	**Sullivan**
Division/Group	A	G. Tomlinson / Robertson (T)
Division/Group	B	A. Ward / A. Isernhagen (T)
Division/Group		
Branch	**III / IV**	**Burris**
Division/Group	C	S. Brawer (12-hour) / C. Kinney (T)
Division/Group	F	D. Lacount (12-Hour)
Division/Group		
Branch	**V**	**Smith (12-hour) /D. Breshears (T) (12-hour)**
Division/Group	J	E. Maiorana / M. Halverson (12-hour)
Division/Group	M	Wisman (12-hour)
Division/Group		
Branch	**VI**	**C. Trindade**
Division/Group	N	N. Gorham
Division/Group	P	D. Carney
Division/Group		
Branch	**VII / VIII**	**R. Szczepanek**
Division/Group	Q	K. Van Wig / S. Gast (12-hour)
Division/Group	S	K. Mcdonald / J. Colamarino (T)
Division/Group	T	R. De La Rosa
Division/Group		
Branch	**IX / X**	**B. Reed (12-hour)**
Division/Group	V	C. Lowe (12-hour) / J. Enneking (T)
Division/Group	X	S. Turner (12-hour)
Division/Group		
Division/Group	LA County Woolsey Support	B. Martin (STA 1132A)
Division/Group		
Division/Group	Suppression Repair	
Staging Area	Freedom	J. Davis
Division/Group		
Air Operations Branch:	**Director:**	**O'Hara / Idol (T)**
Air Support Group Supervisor		Magana
Air Tactical Group Supervisor		Martin / Haskins
Helibase Manager		Matterli

8. Finance/Administration Section:	
Chief	Rich Browne / Tammy Hasert
Time Unit	Tiffany Tracy / Contreras
Procurement Unit	
Comp/Claims Unit	Dave Reese
Cost Unit	

Prepared By: Name:	Griffis / Yanagisawa	PSC	Signature:
ICS 203	Date/Time:	11/12/2018 2300 hours	NIMS IAP

INCIDENT Weather Forecast

FORECAST NO: 4 **NAME OF FIRE:** Woolsey

PREDICTION FOR: 24 hour **SHIFT** **UNIT:** VNC/CalFire

SHIFT DATE: 11/13/18-11/14/18 (0700-0700) **SIGNED:**

Rich Thompson
Incident Meteorologist

TIME AND DATE FORECAST ISSUED: 11/12/18 @ 1900

WEATHER DISCUSSION: **...RED FLAG WARNING THROUGH 500 PM WEDNESDAY...**

Moderate to strong Santa Ana winds will continue across the area through the operational period. The winds will peak in strength late this morning into early afternoon then will weaken through this evening. For tonight, the Santa Ana winds will continue to gradually diminish, although remain rather gusty. Relative humidity will drop into the single digits with little, or no, recovery tonight. Given the wind and moisture conditions, as well as the dry vegetation, **CRITICAL FIRE WEATHER CONDITIONS** will continue through the operational period.

On Wednesday, the Santa Ana winds will be weaker. However with continued very low relative humidity, **CRITICAL FIRE WEATHER CONDITIONS** will continue through the afternoon. For Thursday and Friday, weak diurnal flow will prevail, with slightly cooler temperatures and higher relative humidity.

WEATHER FORECAST:

WEATHER: Mostly clear. Areas of smoke.

TEMPERATURES:
Max: 74-80.
Min: 48-58.

HUMIDITY:
Min: 4-10%.
Max: 8-18%.

20 FT WINDS:

RIDGETOP -
0700-1000: Northeast 20-30 MPH Gust 45 MPH.
1000-1400: Northeast 25-35 MPH Gust 55 MPH.
1400-2200: Northeast 20-30 MPH Gust 45 MPH.
2200-0700: Northeast 15-25 MPH Gust 40 MPH.

SLOPE/VALLEY -
0700-0900: North to northeast 15-25 MPH Gust 40 MPH.
0900-1400: North to northeast 25-35 MPH Gust 55 MPH.
1400-2200: North to northeast 20-30 MPH Gust 45 MPH.
2200-0400: North to northeast 15-25 MPH Gust 35 MPH.
0400-0700: North to northeast 20-30 MPH Gust 40 MPH.

EXTENDED FORECAST:

Wednesday: Santa Ana winds will continue through the day, albeit weaker that the winds experienced the last couple of days. However, very low relative humidity will remain. So, **CRITICAL FIRE WEATHER CONDITIONS** will persist into the afternoon.

Thursday/Friday: Weak diurnal flow is anticipated with offshore flow at night and onshore flow during the day. Temperatures will be a bit cooler and relative humidity will be higher with better overnight recoveries.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 4	**TYPE OF FIRE: Wildland Fire**
FIRE NAME: Woolsey	**OPERATIONAL PERIOD: 24hr 11/13 (0700-0700)**
DATE ISSUED: 11/12	**TIME ISSUED: 2100**
UNIT: VNC	**SIGNED: //Troy Velin//**

INPUTS

WEATHER SUMMARY

Red Flag Warning through 5:00 PM Wednesday

- Today's weather will be dominated by Santa Anna Winds (off shore flow)
- See attached Incident Weather Forecast in IAP

OUTPUTS

FIRE BEHAVIOR

GENERAL:

Fuels in the area consist of cured annual and coastal grasses and coastal chaparral and sage. Rains in early October did not have a lasting effect and fuels are critically dry. The Topography is steep, broken and drainages are predominantly arranged in alignment with critical winds. Fire behavior in areas sheltered from the wind or decreases in off shore flow will transition rapidly to terrain runs. Long range spotting will continue to be a threat.

South of Hwy 101, many of the drainage bottoms are deep enough to be out of the wind. Expect to find higher humidity's along with areas of shaded fuels. These areas will challenge firefighters with hold over fires and mop up.

Forecasted Indices for Fire Area

Area	Fuels	DFM (10hr)	LFM	BI	FL	ROS
LA Basin (N of Hwy 101)	Chaparral	3%	64%	100 (Critical is 105)	40+	7-14 m/hr
Santa Monica Mts (S of Hwy 101)	Chaparral	2%	65%	182 (Critical is 94)	40+	7-14 m/hr

SPECIFIC:

Branch I

Hot spots in the Hidden Hills area will continue to produce embers that will threaten the line.

Branch III/IV

Structures within 1 mile of the perimeter are capable of producing spot fires outside containment lines. The area of the tunnel has the most potential for growth. Hot rolling material will continue to be a threat in this area. Fire crossing Malibu Canyon near the tunnel will be sheltered from the wind, expect a slope run toward Piuma rd. before turning back and making a wind run to the coast.

Branch V/VI

There are still green islands in Branch V to monitor. In Branch VI, the fire is still holding in the Springs fire scar and retardant.

Branch VII/VIII/IV/X

I do not expect any growth in these branches. Most interior islands have been consumed.

AIR OPERATIONS:

Except for smoke, skies will be clear. Heavy winds will impact air operations.

SAFETY

If you aren't thinking about your safety zone or escape route who is?
Know what your fire is doing at all times. Post look outs to monitor for changes.

WOOSLEY HEALTH AND SAFETY MESSAGE

We Are **ALL** accountable for **SAFE** behaviors

INCIDENT: Woolsey Incident	DATE: November 13, 2018 TIME: **0700-0700**

Major Hazards and Risks: **DRIVING—RED FLAG WEATHER—RECEPTIVE FUELS—TERRAIN—STRUCTURE DEFENSE—FATIGUE—COMPLACENCY!**

Driving: Keep your speeds down ou all roads. Be alert for civilian traffic in the fire areas. Park apparatus off the roadway and utilize warning lights. Wear your seatbelts!

Fatigue: Take frequent nutrition and hydration breaks throughout the day. Hydrate with a 2 water to 1 electrolyte drink ratio. Monitor Personnel for excessive fatigue. Critical hours for injuries and accidents is between 14:00 and 18:00 hours; be especially alert during this period of time, don't become complacent and utilize the buddy system.

Complacency: The strongest weapon against complacency is good leadership. Clearly communicate leader's intent, stay engaged and empower your subordinates. Motivation is the cure for complacency!

Fire Effects: Be alert for rolling rocks, burned out power poles, snags, hazard trees, and hazards in and around impacted structures.

Potential Fire Behavior: Fuels are extremely receptive to fire and RH recoveries are very poor. Consider P.A.C.E and know your L.C.E.S. Don't be lulled into a false sense of security.

Lookouts, **C**ommunication, **E**scape routes, **S**afety zones

Planning For Medical Emergencies

Supervisors and all firefighters need to ask and be able to answer the following three questions:

1) **What are we going to do if someone gets hurt?**
   - Is there personnel and equipment available to assist?
2) **How will we get them out of here?**
   - What is your best extraction and transport method? Road, helispot, hoist? Primary plan and contingency plan in place?
3) **How long will it take to get them to the hospital?**
   - Will you request air or ground resources?
   - Are helicopters able to fly?

Review your ICS 206 and know what to do in the event of a medical emergency

TAILGATE SAFETY

- **Accountability:** Everyone checks in and everyone checks out. Supervisors know where their crews are at all times
- **Hydration and Nutrition:** Monitor each other for proper hydration and nutrition
- **Communication:** Everyone knows the comm plan and follows it
- **Briefing:** Leaders intent is fully communicated and safety briefing is provided
- **Safety gear:** Everyone has the appropriate PPE and is using it
- **LCES:** They are clear and made known to everyone
- **Medical:** Follow the medical procedures found on the ICS206 in the IAP

Incident Safety Officer: Dan McNamara, SOF1, Rich Balagad LAC Type 3 SOF

INCIDENT SAFETY ANALYSIS

WOOSLEY FIRE

DIV	HAZARDS	MITIGATIONS
All	**Extreme Fire Behavior**	• LCES • Risk Assessment IRPG
All	**Steep Terrain & Rolling Debris**	• Maintain 8'-10' spacing when working & walking. • Don't work above any personnel • Be aware of travel times to Safety Zones
All	**Fatigue Management**	• Get adequate rest…….follow the 2:1 work/rest guidelines • Get proper hydration & nourishment, take frequent breaks on fireline
All	**Communication**	• Use human repeaters when necessary • Review radio communication plan prior to committing resources
All	**Driving & Traffic**	• Use **spotters** and **honk horn** when backing • Always use **headlights and seatbelts** • Use chock blocks, emergency brakes, and turn wheels in high bank • Watch for wildlife on Hwy and at sunrise and sunset • Expect the unexpected while driving
All	**Structure Defense**	• Review "Wildland Urban Interface" Watchouts, IRPG page 12 • Use "Structure Assessment" checklist, IRPG pages 13 – 17 • Maintain egress to Safety Zone
All	**Mechanized Equipment**	• Create positive communication with operator, hand, radio, etc • Always work 100' or greater from dozer, depending on vegetation height • Know Capability of Dozer
All	**Air Ops**	• Communications • Leave area for VLATS when needed • ID Drop Areas
All	**Power Lines**	• Treat All Power Lines Down as "LIVE" • Mark areas with Caution Tape when possible • Notify Branch/Division of locations
All	**Complacency**	• Expect the unexpected • Monitor each other
All	**Hazard Trees**	• Look up, Look Down, Look Around • Flag appropriately all hazard trees

INCIDENT NAME	DATE & TIME PREPARED	OPERATIONAL PERIOD
WOOSLEY FIRE	11/12/2018 2000	11/13/2018 – 0700-0700

Prepared by Safety Officer: Dan McNamara SOF1, Jeremy Lawson SOF1 T

Jason (213) 342-7337
Guy (661) 212-8016

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	
	Time From:	0700	Time To:	0700	Branch: I

4. Operations Personnel:

Operations Section Chief: Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)

Branch Director: Sullivan Branch Safety: Randall Titus

Division/Group Supervisor: G. Tomlinson / Robertson (T)

Div/Group: A

Alpha

Page 1 of 1

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA BDC 6230A	Tuttle, Jeffrey Scott	17	E-68	0700-0700	DP 1-4
STA XRI 6800A	Hauser, Eric	21	E-33	0700-0700	DP 1-4
STC FKU 9431C	Dominguez, John	15	E-99	0700-0700	DP 1-4
STC CNF 6631C	**Tucker, Michael**	27	**E-311**	**0700-1900**	**DP 1-4**
STG MMU 9425 G	**Meadows, Stephen B**	31	**C-7**	**0700-1900**	**DP 1-4**
STG BEU 9465G	Young, Arron S	32	C-8	0700-0700	DP 1-4
W/T E-342 PVT DOUBLE R	Wadsworth, Boomer	2	E-342	0700-0700	DP 1-4
W/T E-343 PVT DOUBLE R	Vieyra, Rich	2	E-343	0700-0700	DP 1-4
FALM+		1		**0700-1900**	**DP 1-4**

6. Work Assignments:

Mop up 300' in from control line.

Fall hazard trees and trees that threaten control lines.

Backhaul trash.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

Do not go off paved highway in Rocketdyne Facility.

8. Communications — Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
CDF T26	3	TACTICAL	159.2925N	192.8	159.2925N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 148

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/13/18	Date To:	11/14/18	
	Time From: 0700	Time To:	0700	Branch: I

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)**

Branch Director: **Sullivan** **Branch Safety: Randall Titus**

Division/Group Supervisor: **A. Ward / A. Isernhagen (T)**

Div/Group: **B**

Bravo

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LAC 1139A	Jimenez, Arturo	21	E-289	0700-0700	DP 1-4
STA XSD 6414A	Frederick, William	19	E-29	0700-0700	DP 1-4
STC XSB 1521C	Baker, Dave	24	E-60	0700-0700	DP 1-4
STC MVU 9332C	**Marugg, Ernest L**	20	**E-309**	**0700-1900**	**DP 1-4**
STG RRU 9315G	Quast, Kevin P	32	C-81	0700-0700	DP 1-4
CRW KRN Golden Empire	**Young, Paddrick**	24	**C-46**	**0700-1900**	**DP 1-4**
W/T E-338 PVT FOOTHILL	Kelly, Tom	2	E-338	0700-0700	DP 1-4
FALM+		1		**0700-1900**	**DP 1-4**

6. Work Assignments:

Mop up 300' in from control line.

Fall hazard trees and trees that threaten control lines.

Backhaul all trash.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
CDF T26	3	TACTICAL	159.2925N	192.8	159.2925N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL

Signature:

ICS 204 Date/Time: 11/12/2018 2200

Personnel Count: 143

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	Branch: III / IV
	Time From:	0700	Time To:	0700	Div/Group: C

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)**

Branch Director: **Burris**

Division/Group Supervisor: **S. Brawer (12-hour) / C. Kinney (T)**

Charlie

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA XRI 6050A			E-66	0700-0700	DP 3-4
STA LAC 1109A	Mayfield, William	21	E-118	0700-0700	DP 3-4
STA LAC 1130A	Brookhsyer, Mitch	22	E-122	0700-0700	DP 3-4
STA LAC 1131A	Ramirez, Gino	21	E-74	0700-0700	DP 3-4
STG BDU 9352G	Elenburg, Steve	33	C-11	0700-0700	DP 3-4
STG LAC 1171G	**Koch, Daniel B**	33 +/-	**C-33**	**0700-1900**	**DP 3-4**
STG LAC 1176G	**Hunter, Chad**		**C-17**	**0700-1900**	**DP 3-4**
W/T E-346 PVT GOLDEN	Mccabe, Patrick	2	E-346	0700-0700	DP 3-4
SOFR RUDOLF O-298	Rudolf, Hans	1	O-298	0700-0700	DP 3-4
FEMT WOOTEN O-372	Wooten, Brandon	1	O-372	0700-0700	DP 3-4
FEMT DVORIN O-373	Dvorin, Marshall	1	O-373	0700-0700	DP 3-4

6. Work Assignments:

Hold fire within current control line.

Mop up 300' in from control line.

Backhaul trash.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
LAC V4	2	COMMAND	152.5700N	151.4	157.8300N	151.4	LA CO V4
CDF T27	4	TACTICAL	159.3075N	192.8	159.3075N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 135

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/13/18	Date To:	11/14/18	Branch: III / IV
	Time From: 0700	Time To:	0700	Div/Group: F

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)**

Branch Director: **Burris**

Division/Group Supervisor: **D. Lacount (12-Hour)**

Foxtrot

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LAC 1120A	Pitts, Glen	21	E-119	0700-0700	DP 3-2
STA LAC 1133A	Padilla, Mike	21	E-72	0700-0700	DP 3-2
STA XSB 1501A	Kovach, Robert	23	E-10	0700-0700	DP 3-2
STC XRI OES 6808C	Staley, Michael	22	E-42	0700-0700	DP 3-2
STG MVU 9336G	De Viso, Danny	33	C-12	0700-0700	DP 3-2
STG BDU 9353G				0700-0700	DP 3-2
STG LAC 1178G	**Hernandez, David**		**C-18**	**0700-1900**	**DP 3-2**
STG LAC 1183G	**Velazquez**		**C-16**	**0700-1900**	**DP 3-2**
CRW LAC CREW 8	**Garza, John**	16	**C-49**	**0700-1900**	**DP 3-2**
CRW LAC CREW 9	**Ane, Lance**	16	**C-51**	**0700-1900**	**DP 3-2**
CRW LAC CREW 12	**Hanson, Chris**	16	**C-50**	**0700-1900**	**DP 3-2**
CRW ANF Bear Divide Hotshots IHC	**Anderson, Brian**	19	**C-9**	**0700-1900**	**DP 3-2**
STL SLU 9347L	Thomas, Jim	8	E-385	0700-0700	DP 3-2
DOZ E-355 PVT ARIAS EQUIP	Arias, Louie	2	E-355	0700-0700	DP 3-2
DOZ PVT E-357 WELCH	Anderson, Rex	2	E-357	0700-0700	DP 3-2
W/T E-151 PVT TYPE 2	Stein, Barton	2	E-151	0700-0700	DP 3-2
W/T E-225 PVT WATERDOGG	Matt Michaels	2	E-225	0700-0700	DP 3-2
W/T E-226 TGU WATERDOGG	Palazzo, Anthony	2	E-226	0700-0700	DP 3-2

6. Work Assignments:

Hold fire within current control line.

Mop up 300' in from control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
LAC V4	2	COMMAND	152.5700N	151.4	157.8300N	151.4	LA CO V4
CDF T28	5	TACTICAL	151.1825N	192.8	151.1825N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 205

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	
	Time From:	0700	Time To:	0700	Branch: III / IV

4. Operations Personnel:

Operations Section Chief: Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)

Branch Director: Burris

Division/Group Supervisor: D. Lacount (12-Hour)

Div/Group: F

Foxtrot

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
SOFR PERRY O-17	Perry, Thomas	1	O-17	0700-0700	DP 3-2
SOFR (T) BINDER	Binder	1		0700-0700	DP 3-2
SOFR FRY O-164	**Fry, Christopher**	1	**O-164**	**0700-1900**	**DP 3-2**
FEMP ANDERSON O-365	Anderson, Michael	1	O-365	0700-0700	DP 3-2
FEMT MILANO O-371	Milano, Troy	1	O-371	0700-0700	DP 3-2

6. Work Assignments:

Hold fire within current control line.

Mop up 300' in from control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
LAC V4	2	COMMAND	152.5700N	151.4	157.8300N	151.4	LA CO V4
CDF T28	5	TACTICAL	151.1825N	192.8	151.1825N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 5

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	
	Time From:	0700	Time To:	0700	Branch: V

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)**

Branch Director: **Smith (12-hour) /D. Breshears (T) (12-hour)**

Division/Group Supervisor: **E. Maiorana / M. Halverson (12-hour)**

Div/Group: **J**

Juliet

Page 1 of 1

5. Resources Assigned: ** Resources Below In Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LAC 1103A	Cabrera, Steve	21	E-116	0700-0700	DP 5-4
STA OES 6820A				0700-0700	DP 5-4
STC RRU 9310C	**Tovar, Richard**	17	**E-41**	**0700-1900**	**DP 5-4**
STC ORC 9328C	Ashby, Colton	21	E-35	0700-0700	DP 5-4
T/F OES WA TF 1	**Hotchkiss, Erik**	18	**E-619**	**0700-1900**	**DP 5-4**
STG LAC 1182G	**Garcia, Rick**		**C-14**	**0700-1900**	**DP 5-4**
STG LAC 1185G	**Perez, Mark C**	33	**C-34**	**0700-1900**	**DP 5-4**
W/T E-147 PVT J & M	Duncan, Jack	2	E-147	0700-0700	DP 5-4
W/T E-148 PVT DUST	Holt, Greg	2	E-148	0700-0700	DP 5-4
W/T E-336 PVT BENDALLS	Walton, Mark	2	E-336	0700-0700	DP 5-4
W/T E-337 JOHN BENDALLS	Hubbard, Tom	2	E-337	0700-0700	DP 5-4
W/T E-339 PVT 40 TRAFFIC	Jones, Ernest	2	E-339	0700-0700	DP 5-4
SOFR SIOK	Siok	1		0700-0700	DP 5-4
SOFR (T) FINNERTY O-53	Finnerty, Peter	1	O-53	0700-0700	DP 5-4

6. Work Assignments:

Construct and improve direct control line as needed.

Mop up 300' in from control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
LAC V4	2	COMMAND	152.5700N	151.4	157.8300N	151.4	LA CO V4
CDF T29	6	TACTICAL	151.3475N	192.8	151.3475N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla **Pos/Title:** RESL **Signature:**

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 122

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

~~(213) 342 7337~~

~~(661) 212-8616~~

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	Branch: V
	Time From:	0700	Time To:	0700	Div/Group: M

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)**

Branch Director: **Smith (12-hour) /D. Breshears (T) (12-hour)**

Division/Group Supervisor: **Wisman (12-hour)**

Mike

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
T/F OES ID TF 1	**Gammel, Terry**	**16**	**E-624**	**0700-1900**	**DP 5-6**
T/F OES NM TF1	**Brian Fox**	**24**	**E-618**	**0700-1900**	**DP 5-6**
CRW LAC CREW 2	**Gaylord**	**16**	**C-35**	**0700-1900**	**DP 5-6**
W/T E-334 PVT TYPE 2	Troedel, Bryan	2	E-334	0700-0700	DP 5-6
W/T E-340 PVT BRENDA'S	Cleer, Dana	2	E-340	0700-0700	DP 5-6
W/T E-344 PVT HAYNES WTR	Taylor, Dalton	2	E-344	0700-0700	DP 5-6
W/T E-347 PVT L & L	Luck, Gary	2	E-347	0700-0700	DP 5-6
FALM+		1		**0700-1900**	**DP 5-6**
SOFR BRIANT O-165	Briant, Peter	1	O-165	0700-0700	DP 5-6

6. Work Assignments:

Hold fire within current control line.

Fall hazard trees and trees that threaten control lines.

Mop up 300' in from control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
LAC V4	2	COMMAND	152.5700N	151.4	157.8300N	151.4	LA CO V4
CDF T29	6	TACTICAL	151.3475N	192.8	151.3475N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 66

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/13/18	Date To:	11/14/18	
	Time From: 0700	Time To:	0700	Branch: VI
4. Operations Personnel:				Div/Group: N
Operations Section Chief:	Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)			
Branch Director:	C. Trindade			November
Division/Group Supervisor:	N. Gorham			Page 1 of 2

5. Resources Assigned: ** Resources Below In Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LAC 1102A	Robertson, D.	21	E-21	0700-0700	DP 6-4
STA OES WA ST 2	**Hickey, Alex**	20	**E-613**	**0700-1900**	**DP 6-4**
STC MVU 9330C	Zingheim, Kurt R	18	E-39	0700-0700	DP 6-4
STC MVU 9331C	**Kremensky, John P**	14	**E-40**	**0700-1900**	**DP 6-4**
STC BDU 9351C	Fowler, Sagar	21	E-313	0700-0700	DP 6-4
STG RRU 9313G	**Morrison II ,**	33	**C-6**	**0700-1900**	**DP 6-4**
STG BDU 9357G	Sabino, Arnold D	33	C-5	0700-0700	DP 6-4
STL SBC 9322L	Linane, Jesse	4	E-24	0700-0700	DP 6-4
DOZ ORC 2	Monteleone, Ryan J	2 +/-	E-129	0700-0700	DP 6-4
DOZ BDU 3540					**DP 6-4**
W/T OES WT11	Casilli, Jeffrey M	2	E-64	0700-0700	DP 6-4
W/T E-49 PVT A-1 WATER	Thomas	1	E-49	0700-0700	DP 6-4
W/T PVT E-52 WEYRICK	Coon, Steven	2	E-52	0700-0700	DP 6-4
W/T E-54 PVT FIRELINE	Hurl	2	E-54	0700-0700	DP 6-4
W/T PVT E-223 NABORS	Nabors, Duane	2	E-223	0700-0700	DP 6-4
W/T PVT E-224 WOODS	Woods, Don (day	2	E-224	0700-0700	DP 6-4
W/T E-231 PVT LITTLE BIG	Strother, Tom	1	E-231	0700-0700	DP 6-4
W/T PVT E-341 VEST	Byrne, Wesley	2	E-341	0700-0700	DP 6-4

6. Work Assignments:

Structure defense and perimeter control.
Perform Tactical Patrol around structures.
Mop up 300' in from control line.
Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
CDF T30	7	TACTICAL	151.3925N	192.8	151.3925N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 180

NIMS IAP

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	Branch: VI
	Time From:	0700	Time To:	0700	Div/Group: N

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)**

Branch Director: **C. Trindade**

Division/Group Supervisor: **N. Gorham**

November

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
FEMP GRAFTON O-215	Grafton, Christopher M	1	O-215	0700-0700	DP 6-4
FEMP MILLER O-216	Miller, Joshua David	1	O-216	0700-0700	DP 6-4

6. Work Assignments:

Structure defense and perimeter control.

Perform Tactical Patrol around structures.

Mop up 300' in from control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
CDF T30	7	TACTICAL	151.3925N	192.8	151.3925N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 2

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	
	Time From:	0700	Time To:	0700	Branch: VI
4. Operations Personnel:					Div/Group: P
Operations Section Chief:	Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)				
Branch Director:	C. Trindade				Papa
Division/Group Supervisor:	D. Carney				Page 1 of 1

5. Resources Assigned:	** Resources Below in Bold are 12 Hour **			Reporting Location, Special Equipment, Remarks, Notes, and Information	
Resource Identifier	Leader	Personnel	Request #	Time	Location
STA OES 1810A	Hallett, Scott	22	E-26	0700-0700	DP 7-2
STC BDU 9350C				**0700-1900**	**DP 7-2**
STF LAC 1145F	Pryor, William	16	E-231	0700-0700	DP 7-2
T/F WOOLSEY #3	**Soule, Tim**	21	**E-9046**	**0700-1900**	**DP 7-2**
STG SLU 9344G (CCC)	Ornelas, Enrique	33	C-2	0700-0700	DP 7-2
STG LAC 1179G	**Litz, Kristian**	33	**C-15**	**0700-1900**	**DP 7-2**
STG BDU 9358G	**Escandel, Matthew R**	33	**C-10**	**0700-1900**	**DP 7-2**
CRW STF 28	**Stefl, Jerrod**	20	**C-48**	**0700-1900**	**DP 7-2**
DOZ E-363 PVT BOHNA RANCH	Burton, Herb	2	E-363	0700-0700	DP 7-2
DOZ E-369 PVT SIERRA GEN	Hauber, Chase	2	E-369	0700-0700	DP 7-2
SOFR CZAPINSKI O-232	Czapinski, Jeremy Robert	1	O-232	0700-0700	DP 7-2
FEMP BILLEAUDEAUX O-214	Billeaudeaux, Jeremy Eude	1	O-214	0700-0700	DP 7-2
FEMT HAGIE O-208	Hagie, Tyler Brian	1	O-208	0700-0700	DP 7-2

6. Work Assignments:

Construct and improve direct control line as needed.
Hold fire within current control line.
Mop up 300' in from control line.
Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio Information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
CDF T30	7	TACTICAL	151.3925N	192.8	151.3925N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 185

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	Branch: VII / VIII
	Time From:	0700	Time To:	0700	Div/Group: Q

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (Branch VI - X) / Inman (Branch I - V)** **Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)**

Branch Director: **R. Szczepanek**

Division/Group Supervisor: **K. Van Wig / S. Gast (12-hour)**

Quebec

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA XLF 1321A	Underwood, Jim	22	E-145	0700-0700	DP 7-6
STA XLC 1202A	Bagan, Anthony J	22	E-12	0700-0700	DP 7-6
STC VNC 9325C	Leake, Todd	19	E-283	0700-0700	DP 7-6
CRW VNC C11	**Myers, Bob**	17	**C-82**	**0700-1900**	**DP 7-6**
CRW VNC C12	**Cleary, Nicholas**	19	**C-83**	**0700-1900**	**DP 7-6**
SOFR LAWSON O-237	Lawson, Blake	1	O-237	0700-0700	DP 7-6
FEMT GOLDIE O-375	Goldie, Nathan	1	O-375	0700-0700	DP 7-6
FEMT THOMPSON O-376	Thompson, Keith	1	O-376	0700-0700	DP 7-6

6. Work Assignments:

Construct and improve direct control line as needed.

Mop up 300' in from control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
CDF T31	8	TACTICAL	159.3825N	192.8	159.3825N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 102

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/13/18	Date To:	11/14/18	
	Time From: 0700	Time To:	0700	Branch: VII / VIII

4. Operations Personnel:

Operations Section Chief: Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)

Branch Director: R. Szczepanek

Division/Group Supervisor: K. Mcdonald / J. Colamarino (T)

Div/Group: S

Sierra

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA XLG 1363A	Winter, Mark	22	E-230	0700-0700	DP 7-6
STA ORC 1400A	Edwards, Steve	21	E-23	0700-0700	DP 7-6
STA VNC 1582A	Preston, Daniel H	17	E-457	0700-0700	DP 7-6
T/F WOOLSEY #1	**Picazo, Roberto**	13	**E-9041**	**0700-1900**	**DP 7-6**
T/F WOOLSEY #4	**Moe, Matthew A**	22	**E-9044**	**0700-1900**	**DP 7-6**
STG RRU 9314G	Dacanay, Michael A	33	C-11	0700-0700	DP 7-6
SOFR KLUSYK O-115	Klusyk, Michael J	1	O-115	0700-0700	DP 7-6

6. Work Assignments:

Construct and improve direct control line as needed.

Mop up 300' in from control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications — Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
CDF T31	8	TACTICAL	159.3825N	192.8	159.3825N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL

Signature:

ICS 204 Date/Time: 11/12/2018 2200

Personnel Count: 129

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	Branch: VII / VIII
	Time From:	0700	Time To:	0700	Div/Group: T

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (Branch VI - X) / Inman (Branch I - V)** **Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)**

Branch Director: **R. Szczepanek**

Division/Group Supervisor: **R. De La Rosa**

Tango

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA VNC 1584A	Williams, Joseph D	21	E-491	0700-0700	DP 8-2
T/F WOOLSEY #5	**Peterman, Forrest**	18	**E-9045**	**0700-1900**	**DP 8-2**
STG LAC 1181G	**Riley, Brian J**	31	**C-13**	**0700-1900**	**DP 8-2**

6. Work Assignments:

Hold fire within current control line.

Mop up 300' in from control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
CDF T32	9	TACTICAL	151.2425N	192.8	151.2425N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 70

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	
	Time From:	0700	Time To:	0700	Branch: IX / X
					Div/Group: V
					Victor
					Page 1 of 1

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)**

Branch Director: **B. Reed (12-hour)**

Division/Group Supervisor: **C. Lowe (12-hour) / J. Enneking (T)**

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
T/F OES WA TF 6	**Drake, Nathan**	22	**E-617**	**0700-1900**	**DP 9-4**
CRW NAA Navajo Scouts 1	**Billie, Brian**	20	**C-130**	**0700-1900**	**DP 9-4**
W/T VNC 40	Buckles, Steven Edward	2	E-284	0700-0700	DP 9-4
W/T PVT E-345 GASSAWAY	Gassaway, Norm	2	E-345	0700-0700	DP 9-4

6. Work Assignments:

Hold fire within current control line.

Mop up 300' in from control line.

Fall hazard trees and trees that threaten control lines.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
CDF T34	10	TACTICAL	151.4675N	192.8	151.4675N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL

Signature:

ICS 204 Date/Time: 11/12/2018 2200

Personnel Count: 46

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	
	Time From:	0700	Time To:	0700	Branch: IX / X

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)**

Branch Director: **B. Reed (12-hour)**

Division/Group Supervisor: **S. Turner (12-hour)**

Div/Group: **X**

X-ray

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
T/F OES WA TF 2	**Brown, Jon**	**20**	**E-623**	**0700-1900**	**DP 10-4**

6. Work Assignments:

Hold fire within current control line.

Mop up 300' in from control line.

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
CDF T35	11	TACTICAL	159.3225N	192.8	159.3225N	192.8	
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 20

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	Branch:
	Time From:	0700	Time To:	0700	Div/Group: LA County Woolsey Support

4. Operations Personnel:

Operations Section Chief: Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)

Branch Director:

Division/Group Supervisor: B. Martin (STA 1132A)

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location
STA LAC 1132A	**Infante, Francisco**	21	**E-75**	**0700-1900**	**ICP**
STA LAC 1134A	**Brown, Mitchell C**	26	**E-73**	**0700-1900**	**ICP**
STF LAC 1144F	**Brown, Mike**	16	**E-80**	**0700-1900**	**ICP**
LA SO RADIO CAR				**0700-1900**	**ICP**
LA SO RADIO CAR				**0700-1900**	**ICP**
LA SO RADIO CAR				**0700-1900**	**ICP**
LA SO RADIO CAR				**0700-1900**	**ICP**
LAC JG1				**0700-1900**	**ICP**
LAC JG 2				**0700-1900**	**ICP**
LAC LG 252				**0700-1900**	**ICP**
LAC LFG A3				**0700-1900**	**ICP**

6. Work Assignments:

Maintain positive interaction with the public and assist as needed.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
LAC V4	2	COMMAND	152.5700N	151.4	157.8300N	151.4	LA CO V4
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 63

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:				3.
Woolsey	Date From:	11/13/18	Date To:	11/14/18	Branch:
	Time From:	0700	Time To:	0700	Div/Group: Suppression Repair

4. Operations Personnel:

Operations Section Chief: **Davis / Cook (Branch VI - X) / Inman (Branch I - V)** **Night Ops:**
Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)
Branch Director:
Division/Group Supervisor:

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information Time	Location

6. Work Assignments:

Scout and identify suppresion repair needs and areas

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
	#N/A						
	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	#N/A						
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200 Personnel Count: 0

NIMS IAP

ASSIGNMENT LIST (ICS 204)

1. Incident Name:	2. Operational Period:			3.
Woolsey	Date From: 11/13/18	Date To:	11/14/18	Branch:
	Time From: 0700	Time To:	0700	Staging: Freedom

4. Operations Personnel:

Operations Section Chief: Davis / Cook (Branch VI - X) / Inman (Branch I - V) Night Ops: Blankenheim / Spykerman (Branch VI - X) / Hale (Branch I - V)

Branch Director:

Division/Group Supervisor: J. Davis

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	Leader	Personnel	Request #	Reporting Location, Special Equipment, Remarks, Notes, and Information: Time	Location
STA XLE 1283A	**Painton, Todd**	22		**0700-1900**	**ICP**
STC ANF 1617C	**White, Ronald**	22		**0700-1900**	**ICP**
STE OES WA ST 1	**Dobson, Anthony (T)**	22	**E-616**	**0700-1900**	**ICP**
STE OES WA ST 2	**Bortner, Jeff**	21	**E-615**	**0700-1900**	**ICP**
T/F WOOLSEY #2	**Roche, Ben H**	14	**E-9043**	**0700-1900**	**ICP**
T/F OES UT TF1	**Dern, Dustin**	25	**E-627**	**0700-1900**	**ICP**
T/F OES UT TF2	**Carrigan, Boyd**	22	**E-658**	**0700-1900**	**ICP**
T/F OES UT TF3	**Lafontaine, Ryan**	22	**E-625**	**0700-1900**	**ICP**
T/F OES UT TF4	**Sandoval, Rudy**	28	**E-626**	**0700-1900**	**ICP**
T/F OES MT TF1	**Walsh**	54	**E-659**	**0700-1900**	**ICP**
T/F OES MT TF4	**Brown, Jeff**	13	**E-662**	**0700-1900**	**ICP**
T/F XYO 4281	**Kinney, Shawn**	16	**E-88**	**0700-1900**	**ICP**
STL RRU 9318L	**Bennett, Andrew W**	5	**E-386**	**0700-1900**	**ICP**
DOZ PVT E-361 WILBER	**Emery, Alton**	2	**E-361**	**0700-1900**	**ICP**
DOZ PVT E-364 RESTAD	**Restad, Bruce**	1	**E-364**	**0700-1900**	**ICP**
DOZ E-371 PVT KRISMAN'S	**Krisman, Tyler**	2	**E-371**	**0700-1900**	**ICP**
DOZ E-380 PVT CHRISTIAN	**Christian, Brad**	4	**E-380**	**0700-1900**	**ICP**

6. Work Assignments:

Monitor command frequencies.

Maintain 3 minute response time.

7. Special Instructions:

8. Communications Radio information needed for this assignment:

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
VNC C8	1	COMMAND	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
CDF T16	14	A/G TAC	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
CALCORD	15	MEDICAL	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
AIR GUARD	16	EMERGENCY	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

9. Prepared by: Name: Wood / McCarroll / Padilla Pos/Title: RESL Signature:

ICS 204 Date/Time: 11/12/2018 2200

Personnel Count: 295

NIMS IAP

AIR OPERATIONS SUMMARY ICS-220

Time Prepared	Date Prepared	Prepared By
1600	Monday, November 12, 2018	Sean O'Hara

Incident Name / Number	Sunrise	Startup	Cutoff	Sunset	Shutdown	Operational Period - Date	Operational Period - Time
Woolsey / CA-VNC-91023	624	654	1623	1653	1723	Tuesday November 13, 2018	0700-0700

General Remarks, Safety Notes, Hazards, Air Operations Special Equipment, etc.

TRACK ALL DIPSITE LOCATIONS / NUMBER OF DIPS / GALLONS TAKEN.
TRACK ALL DROP LOCATIONS / NUMBER OF DROPS / GALLONS DROPPED
All GPS DATA TO BE COLLECTED IN DEGREES, MINUTES, DECIMAL MINUTES FORMAT.

AVOID Aerial Application of Retardant / Foam / Agent within 300' of Waterways, Bodies of Water, etc. If Retardant / Foam / Agent is Dropped Within These Areas Immediately Notify the AOBD and Provide the Following Information; Lat / Long, Estimated Number of Gallons and a Map Detailing The Area.

Only Access Helibase from Fire Station rd. Near Station 50 code *1501#*

Your Sunrise and Sunset Info has not been updated for the current Op period [Update]

Helibase Information

Name Camarillo
Latitude 34 12.27
Longitude 119 04.34

Name
Latitude
Longitude
(use page 2 if needed)

TFR Information

Request # A-92
Radius: NM
Altitude: 5,500 MSL
Centerpoint: Lat / Long
NOTAMS: 8/4202
Frequency 118.5750
http://tfr.faa.gov/tfr2/list.html

Rescue Ship Information

	Day Hoist	Night Hoist
Name	VNC 6	VNC 6
Phone		
Make/Model	Bell 205++	Bell 205++
Location	Camarillo	Camarillo

Request Procedure for These Aircraft:
Through Division/Branch to Comms
See Medical Plan For Additional Info

Frequencies	TX	Tone	RX	Tone	AM / FM
Command	see comm plan		see comm plan	186.2000	FM
A/G CMD CDF T16	159.3450	192.8	159.3450	192.8	FM
A/G TAC CDF T16	159.2850	192.8	159.2850	192.8	FM
Rotor Victor/TFR	118.5750		118.5750		AM
AIR TACTICS	169.1500		169.1500		FM
Air/Air Briefing	125.1250		125.1250		AM
Air/Air Secondary	125.6750		125.6750		AM
TOLC	123.0250		123.0250		AM
DECK	163.1000		163.1000		FM
CALCORD - MEDICAL	156.0750	156.7	156.0750	156.7	FM
AIRGUARD - Emergency Only	168.6250	110.9	168.6250		FM

Position	Name	Phone	Trainee	Phone
AOBD	Sean O'Hara	530-448-2408	Brad Idol	805-338-4715
ASGS	Gerry Magana	530-200-2511		
HEBM	Niko Matteoli	704-488-2460		
HLCO	John Zuniga	209-304-3464		
HLCO	Jim Gonzalez	619-607-8642		
ATGS	Justin McGough	951-840-8155		
ATGS	Eric Haskins	909-659-5233		
MLO	Matt Mihalco	805-610-1469		

HELICOPTERS (Use page 2 If Needed)

FAA #	Type	Make/Model	Helibase	Avail	Start	Remarks
746	I	S64F	Van Nuys	0730	0630	LACo IA/ Resource, Tank A-23
732	I	S64F	Camarillo	0730	0630	Tank, A-58
2HT	I	CH54B	Camarillo	0730	0630	Tank , A-69
1CH	I	CH47	Camarillo	0730	0630	Tank, A-90
3CH	I	CH47	Camarillo	0730	0630	Bucket, A-91
792	I	S64	Camarillo	0730	0630	Tank, A-130
793	I	S64	Camarillo	0730	0630	Tank, A-129
XFT	I	Kmax	Camarillo	0730	0630	Bucket, A-123
15LA	I	S-70	Barton	0730	0630	Tank, NVG, ALS Hoist, A-184
286	I	UH-60	Camarillo	0730	0630	Bucket, A-43
	Type					
528	II	Bell 212HP	Camarillo	0730	0630	Tank, A-132
530	II	Bell 205++	Camarillo	0730	0630	Tank, A-124
532	II	Bell 205++	Camarillo	0730	0630	Tank, A-131
VNC6	II	Bell 205++	Camarillo	0730	0630	Tank, NVG, ALS Hoist, A-139
308	II	Bell 205++	Camarillo	0730	0630	Tank, NVG, A-136

FAA #	Type	Make/Model	Helibase	Avail	Start	Remarks
408	II	Bell 205++	Camarillo	0730	0630	Tank, NVG, A-127
5TK	II	Bell 205++	Camarillo	0730	0630	Bucket, A-59
3LK	II	Bell 205++	Camarillo	0730	0630	Bucket, A-42
	Type					
407GH	III	Bell 407	Camarillo	0730	0630	HLCO, Recon, A-72
3SH	III	206L	Camarillo	0730	0630	HLCO, Recon, A-73
2BH	III	206L	Camarillo	0730	0630	HLCO, Recon, A-74
535	III	Bell 407	Camarillo	0730	0630	HLCO, Recon, A-138

FIXED WING (Use Page 2 if Needed)

FAA #	Type	Make/Model	Base	Avail	Start	Remarks
500	Air Tactical	OV-10	Hemet	730	630	
12	Air Tactical	AC690	San Bernardino	800	700	

FAA #	Type	Make/Model	Base	Avail	Start	Remarks

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:	2. Date/Time Prepared	3. Operational Period:
Woolsey	Date: 11/12/2018	Date From: 11/13/18 Date To: 11/14/18
Incident Channels	Time: 1930	Time From: 0700 Time To: 0700

4. Communications

Ch#	Function	Name	Assigned To	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
1	COMMAND	VNC C8	BR I, VI, VII, VIII, IX, X	155.9850N	186.2	154.7250N	186.2	VENTURA CO CMD 8
2	COMMAND	LAC V4	BR III, IV, V	152.5700N	151.4	157.8300N	151.4	LA CO V4
3	TACTICAL	CDF T26	DIV A/B	159.2925N	192.8	159.2925N	192.8	
4	TACTICAL	CDF T27	DIV C	159.3075N	192.8	159.3075N	192.8	
5	TACTICAL	CDF T28	DIV F	151.1825N	192.8	151.1825N	192.8	
6	TACTICAL	CDF T29	DIV J/M	151.3475N	192.8	151.3475N	192.8	
7	TACTICAL	CDF T30	DIV N/P	151.3925N	192.8	151.3925N	192.8	
8	TACTICAL	CDF T31	DIV Q/S	159.3825N	192.8	159.3825N	192.8	
9	TACTICAL	CDF T32	DIV T	151.2425N	192.8	151.2425N	192.8	
10	TACTICAL	CDF T34	DIV V	151.4675N	192.8	151.4675N	192.8	
11	TACTICAL	CDF T35	DIV X	159.3225N	192.8	159.3225N	192.8	
12	TACTICAL	VFIRE 23	SUPPRESSION	154.2950N	156.7	154.2950N	156.7	
13	A/G CMD	CDF T18	ALL DIVS	159.3450N	192.8	159.3450N	192.8	AIR TO GROUND CMD
14	A/G TAC	CDF T16	ALL DIVS	159.2850	192.8	159.2850	192.8	AIR TO GROUND TAC
15	MEDICAL	CALCORD	ALL DIVS	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
16	EMERGENCY	AIR GUARD	ALL DIVS	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1
17								
18								
19								
20	EMERGENCY	AIR GUARD	ALL DIVS	168.6250N		168.6250N	110.9	EMERGENCY - TONE 1

5. Special Instructions

All frequencies are ANALOG/NARROWBAND
Comm Unit Phone 805-384-2339

6. Prepared by (Communications Unit Leader): Name: Ken Parker Signature: K Parker

MEDICAL PLAN ICS 206	1. INCIDENT NAME WOOLSEY INCIDENT	2. DATE PREPARED 11/12/2018	3. TIME PREPARED 1700	4. OPERATIONAL PERIOD 11/13-11/14, 0700-0700

5. INCIDENT MEDICAL AID STATIONS

MEDICAL AID STATIONS	LOCATION	PARAMEDICS YES	PARAMEDICS NO
MERT	CDC SLEEPING AREA	RN	
MOUNTAIN MEDICS	NEAR MKU	RN	

6. TRANSPORTATION

A. AMBULANCE SERVICES

NAME	LOCATION	PHONE	PARAMEDICS YES	PARAMEDICS NO
AMR 496, 497, 499	PCH (BR VI), HWY 101 (BR III, VIII)	COMMUNICATIONS	X	

B. AIR AMBULANCES

NAME	LOCATION	PARAMEDICS YES	PARAMEDICS NO
VENTURA COPTER 6 (HOIST)	CAMARILLO AIRPORT	ALS	

7. HOSPITALS

NAME	ADDRESS	TRAVEL TIME AIR	TRAVEL TIME GRND	PHONE	HELIPAD YES	HELIPAD NO	BURN CENTER YES	BURN CENTER NO
Los Robles Regional TRAUMA LEVEL 2	215 W Janss Rd, Thousand Oaks 34° 12.477'N, 118° 52.960'W	5 min	15 min	(805) 370-5901	X			X
Ventura County Med TRAUMA LEVEL 2	300 Hillmont Ave, Ventura 34° 16.635'N, 119° 15.211'W	10 min	20 min	(805) 652-6165	X			X
West Hills Hospital TRAUMA LEVEL 2	7300 Medical Center Dr., West Hills 34° 12.186'N, 118° 37.711'W	15 min	40 min	(818) 676-4999	X		X	
UCLA Medical Center TRAUMA LEVEL 1	757 Westwood Plaza Los Angeles 34° 04.00'N, 118° 26.77'W	20 min	60 min	(310) 208-5387	X			X

8. MEDICAL EMERGENCY PROCEDURES

EMERGENCY FREQUENCY:
"LINE EMERGENCY"

Crew Supervisor will contact Division Supervisor with patient complaint/condition and location.

- Division/Group Supervisor contacts:
  1. Closest EMS resource
  2. Communications Unit
- Communications Unit contacts:
  1. Ground or Air ambulance as requested
  2. Operations
  3. Safety
  4. Medical Unit
- Division Supervisor or designee will serve as point of contact and run medical emergency on assigned channel.
  1. A pre-assigned tactical frequency CALCORD should be used for IWI and only for duration of need.
- Communications Unit will clear command channel for emergency traffic as needed and only for duration of need.

CAMP EMERGENCY:

Contact Medical Unit with patient complaint/condition and location. Medical Staff will respond to stabilize incident.

- Medical Unit contacts:
  1. Communications
  2. Safety
  3. Logistics
  4. Operations
  5. Crew Supervisor
  6. Comps/Claims

INJURY REPORTING PROCEDURES

CHIEF COMPLAINT_____
LOCATION OF PATIENT_____
POINT OF CONTACT_____
TRANSPORTATION REQUESTED BY:AIR___ GROUND__
POINT OF PICKUP_____
LAT_____ **LONG**_____
PATIENT UNIT ID_____
IS AN EMT/P WITH PATIENT: YES____ NO____
AGE_____
SEX: MALE____ FEMALE____

ALL EMERGENCIES---Secure the area and identify witnesses for later investigation. Keep an accurate log of events.

****IN CAMP EMERGENCIES****
805-384-2339

ICS 206	9. PREPARED BY: (Medical Unit Leader) JOSIAH STALEY (SJS)	10. REVIEWED BY: (Safety Officer) DAN MCNAMARA (SRM)

WOOLSEY FIRE

CA-VNC-091023

FINANCE MESSAGE

Finance / Admin Section

- Finance Section is located on trailer row
- Please come by the Time Unit and start your and update your FC-33
- Vendors please drop off your agreements to the Time Unit
- Shift Tickets need to be completed by line supervisor, and turned in at the end of each shift
- All injuries need to be reported to the COMP / CLAIMS Unit
- All property Damage must be reported and documented
- Please report any Vehicle Damage, this includes Rental Vehicles
- Local Government please check in with OES
- Federal Time: Timekeeper on site.
- **OFF-SITE FEEDING IS NOT APPROVED**
- Water usage report needs to be turned in daily to the COMP / CLAIMS Unit

- ***This fire is a under cost apportionment***
  ALL DIVS, OPBD, STAM NEED TO DEBRIEF WITH THE COST APPORTIONMENT TEAM DAILY.
  Cost apportionment is located on trailer row.

INCIDENT BILLING INFORMATION

CAL FIRE – SAN LUIS OBISPO UNIT

635 N. Santa Rosa

Index Code: 3013

E-fund Billing Code: 013815

WATER USAGE REPORT

DATE: 8/14/18 **WORK LOCATION:** DIV A **REQUEST #:** E-23

AGENCY or VENDOR NAME: CAL FIRE/AAA Water **RESOURCE ID:** WT51/C309

TURN IN TO COMP/CLAIMS DAILY

WATER SOURCE LOCATION Address, DP #, Lat-Long, etc.	Hydrant	Open source i.e. pond	Tank	Gallons Used	Property Owner and Contact Number if known **

****Please note if you made contact with property owner and their contact. (Use reverse side if needed.)**

Additional Information: _____

The intent of this document is to track, record and validate the amount of water used on a incident.
It is not intended to review the performance of equipment using the water on an incident.

PUBLIC INFORMATION SECTION

Incident Information Line: (805) 465-6650
Incident Media Line: (805) 669-6015

Email Updates (sign up):
www.tinyurl.com/2018woolsey

STATUS	
Incident Start Date: 11/08/2018	**Incident Start Time:** 2:30 PM
Cause: Under Investigation	**Acres:**
Containment:	**Total Personnel:**

MEDIA – The California State Penal Code Section 409.5(d) allows the news media to enter scenes of disaster, riot or civil disturbance. Properly identified members of the news media should not be restricted from entering locations specified within the code. However, this does not include crime scenes, private property and does not imply that the news media may interfere with incident operations while they are in the areas of concern. More information can be found here.

CAL FIRE SOCIAL MEDIA POLICY – When assigned to a CAL FIRE incident, you will adhere to the CAL FIRE Social Media Policy, Section 0691. You can find further information about the CAL FIRE Social Media Policy here.

PHOTOGRAPHS AND VIDEOS OF INCIDENT – We are in a new era of media. Media no longer means news/broadcast industry, but now refers to anyone that has the capability to shoot video, photographs and post them onto social media sites in a matter of minutes. Unfortunately, we have seen some instances of photographs or videos that have depicted unsafe, unprofessional or embarrassing circumstances which are a serious breach of ethics. When this happens, it reflects poorly on all that are attached to this incident. Posting an inappropriate video, photo or blog comment could expose oneself to unwanted ramifications. It may be unsafe to shoot photos or video and a firefighter who is concentrating on a camera loses their situational awareness.

The Public Information Office would like copies of the video and pictures that you safely took while not in an emergency situation, fire suppression activity or in an overhead assignment. Bring your video and pictures to the Public Information trailer; they will be reviewed and possibly uploaded to our many CAL FIRE social media sites. Remember, we don't want photographs or videos that depict unsafe, unprofessional or embarrassing circumstances, which are a serious breach of ethics.

LOST AND FOUND – The Information Section will manage lost and found items for the incident. If you have lost an item please leave your contact information and what you have lost at the Information Section. If you have found an item on the incident, bring the item to the Information Section with your contact information as well. All items left in Lost and Found will be turned over to the local CAL FIRE San Luis Obispo Unit.

MAIL SERVICE – The Information Section will assist you in getting items mailed from the incident as well as receiving items whether it is letters or packages.

TRAINING SPECIALIST MESSAGE

Trainees who have not previously checked in with the TNSP should do so immediately.

Beat the Rush!!

Trainer / Evaluators: If as much work as possible has been completed in the position task book, you are *strongly* encouraged to take advantage of your time in camp and conduct the training close-out with the TNSP. It is not necessary to wait until demob!

The Training Specialist is available immediately following the morning Operations Briefing. Location: Next to the copy trailer

TRAINING SPECIALIST
Cory Cisneros 909.644.6379
Claudia Soiza 949.632.7813
Jon Garber (t) 909.499.6863
Danielle McMillion (t) 310.951.2136

Incident Trainee/Trainer Data Form

Training Specialists: Cory Cisneros 909.644.6379 Claudia Soiza 949.632.7813
Danielle McMillon (t) 310.951.2136 Jon Garber (t) 909.499.6863

- All Incident trainees, including those on Firefighting Modules at your earliest opportunity complete this form and see the Training Specialist.
- Prior to or as you process through DEMOB, remember to close your training package. To close your training package bring: 1) A performance rating from your trainer. (ICS 225)
  2) Your task book that has as many entries as possible by your Trainer.

Trainee Data

Trainee Name: _____ ICS Trainee Position: _____

Request # (A,C,E, or O):_____ Agency Designator (MACS ID Ex. CA-ANF):_____

Ordered as Trainee? Y N _____ Regional Priority Trainee _____ Local Forest Trainee ____ IMT Trainee

Date Assigned: _____ Cell / Contact # While on Incident: _____

Training Records Mailed To: (Fire Chief, Training Officer):

Name: _____ Title_____

Name of Agency/Unit: _____

Agency/Unit Address: _____

City: _____ State: _____ Zip Code: _____ Phone: _____

Trainee Prerequisites

1. Possesses valid Red Card or agency certification card? ___Yes ___No

2. Trainee has current position task book issued by home unit? ___Yes ___No

Current Task Book Progress (Circle) 0% 25% 50% 75% 90%

Priority Open Task in PTB (What do you need to accomplish on this incident?)

Trainer/Evaluator Data

Trainer / Evaluator Name: _____ ICS position on fire: _____

Home Unit:_____ Agency Designator (Ex. CA-ANF):_____ Request #

Work Address:_____

City: _____ State:_____ Zip Code:_____

Cell / Contact While on Incident: _____

Peer Support

We may not recognize it now, but we are all part of an incident that may potentially have a lasting impact.

We are local, state and federal fire agencies, law enforcement, EMS, private contractors, public utilities and military working together for a common mission.

There are many kinds of trauma, grief and losses present in these incidents, and these factors may potentially have an impact on us, no matter who you are or what your background. These include:

- Successive large scale incidents.
- Local first responders who are personally impacted by the events.
- Incidents with national exposure, political implications and high media presence.
- Evacuations and rescues in high intensity environments.
- Destruction of residences, commercial buildings, critical infrastructure and community landmarks.
- Repopulation and the anguish we witness from the community.
- Providing emotional support for the community and each other.
- The time spent away from our families with the holidays approaching.

We all need to stick together, take care of ourselves and each other. We know how to watch out for each other on the fire line for our physical safety. The same is necessary for our emotional and psychological safety.

Come by the Peer Support trailer, we are on the grass adjacent to the briefing area.

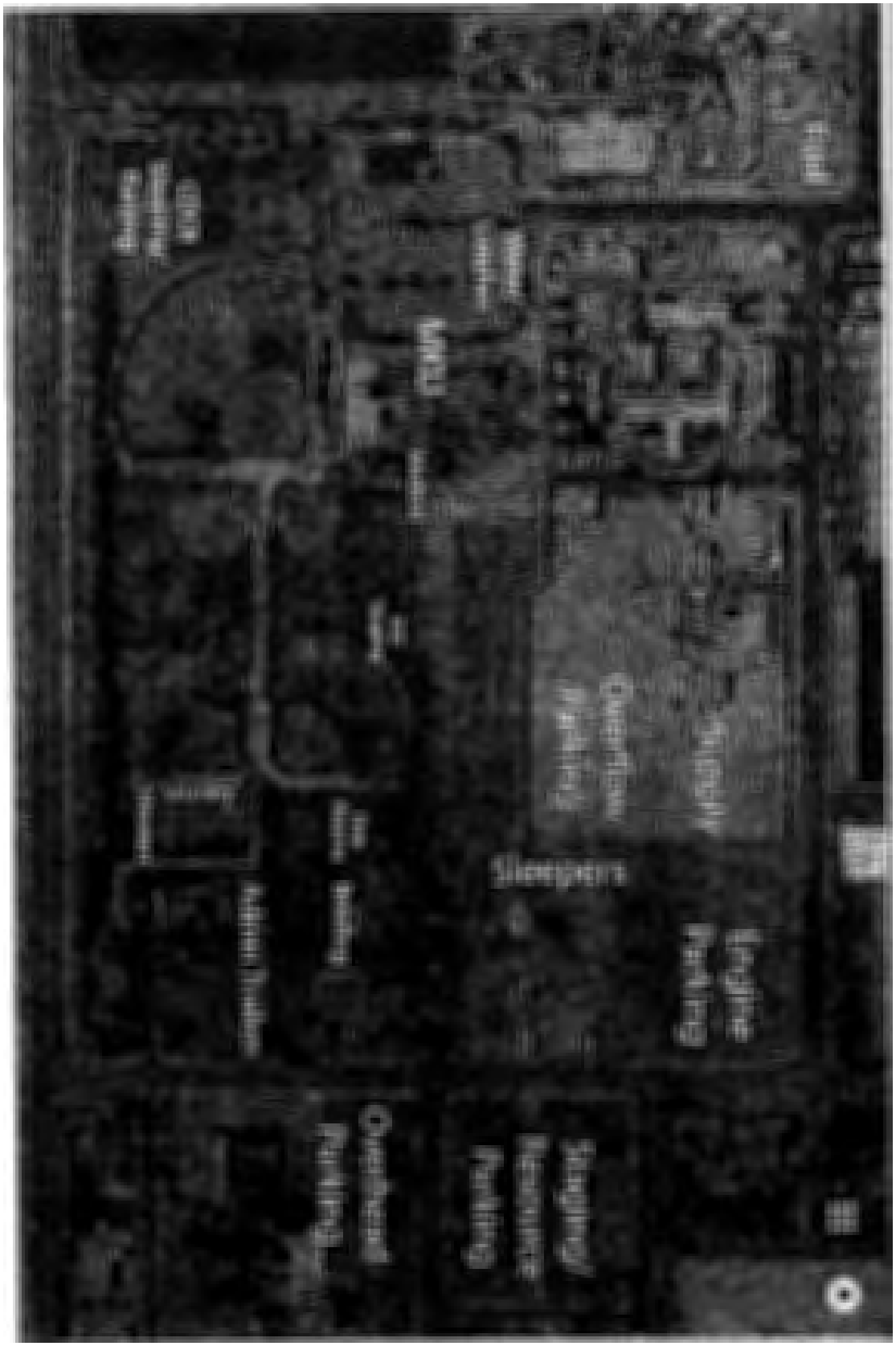
TUESDAY NOVEMBER 13, 2018
TENTATIVE RELEASE WOOLSEY FIRE

Req #	Name	Report To Demob
E-543	ENG LAC 132	11/13/2018
E-489	PICKUP - 4X4 3/4 TON - JOSH MOORE ENTERPRIZE	11/13/2018
E-475	MOBILE LAUNDRY - T1 - EXCEPTIONAL FIRE SERVICES	11/13/2018
O-75	Cooper, David	11/13/2018
O-78	Holguin, Eddie	11/13/2018
O-64	Atwood, Richard A	11/13/2018
O-99	Wight, Travis J	11/13/2018
O-62	Weise, Richard R	11/13/2018
O-63	Chapin, Ryan	11/13/2018
O-46	Enriquez, Jim V	11/13/2018
O-19	Reed, James A	11/13/2018
O-98	Grunbaum, Grant R	11/13/2018
E-70	STA LAC 1111A	11/13/2018 0700
E-71	STA LAC 1119A	11/13/2018 0715
E-76	STA LAC 1135A	11/13/2018 0730
E-77	STA LAC 1136A	11/13/2018 0745
E-78	STA LAC 1137A	11/13/2018 0800
E-79	STA LAC 1138A	11/13/2018 0815
E-117	STA LAC 1107A	11/13/2018 0830
E-290	STA LAC 1140A	11/13/2018 0845
E-218	STL VNC 1592L	11/13/2018 0900
E-503	STA VNC 1587A	11/13/2018 0915
E-16	W/T LAC 128	11/13/2018 0910
E-528	STA XVE 1553A	11/13/2018 0920
E-536	STA XVE 1554A	11/13/2018 0930
C-131	CRW SCA San Carlos T2IA Crew #1	11/13/2018 0930

TENTATIVE RELEASE HILL FIRE

Req #	Name	Report To Demob
O-116	Selegue, Paul M	11/13/2018
O-282	Forgette, Abe	11/13/2018
O-374	Bailey, Jeffrey A	11/13/2018
E-23	STL KRN 9360L	11/13/2018 0710
E-21	STL SLU 9347L	11/13/2018 0720

?	T/F 42	11/13/2018



1. **Incident Name:**	2. **Operational Period:** Date From: Date To: Time From: Time To:	
3. **Name:**	4. **ICS Position:**	5. **Home Agency** (and Unit):

Date/Time	Notable Activities

8. Prepared by: Name: ______________ Position/Title: ______________ Signature: ______________

ICS 214, Page 2 of ______ Date/Time: ______________

ACTIVITY LOG (ICS 214)

1. Incident Name:	2. Operational Period: Date From: Time From:	Date To: Time To:
3. Name:	4. ICS Position:	5. Home Agency (and Unit):

6. Resources Assigned:

Name	ICS Position	Home Agency (and Unit)

7. Activity Log:

Date/Time	Notable Activities

8. Prepared by: Name: Position/Title: Signature: _____

ICS 214, Page 1 of Date/Time:

Section 11

Remaining Materials/Equipment on site

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
9TH CIVIL SUPPORT TEAM (WEAPONS OF MASS DESTRUCTION)
11302A INDEPENDENCE ROAD
LOS ALAMITOS, CALIFORNIA 90720

REPLY TO
ATTENTION OF

NGCA-CST-S-OPS

14 November 2018

MEMORANDUM FOR: Incident Commander

SUBJECT: Remaining Material or Equipment Memo

1. Remaining HAZMAT material and other informational material providing hazard data is located on-site or in Close-Out Report, Section 9 Logistical Status Report.

SAMUEL H. CHO
CPT, CA ARNG
OPERATIONS OIC

Section 12

Incident Log

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
9TH CIVIL SUPPORT TEAM (WEAPONS OF MASS DESTRUCTION)
11302A INDEPENDENCE ROAD
LOS ALAMITOS, CALIFORNIA 90720

REPLY TO
ATTENTION OF

NGCA-CST-S-OPS

14 November 2018

MEMORANDUM FOR: Incident Commander

SUBJECT: Incident Action Log

1. Incident Action Log is located in Section 8 Situational Reports, under Operations.

SAMUEL H. CHO
CPT, CA ARNG
OPERATIONS OIC

Section 13

CST and State Contact Information

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
9TH CIVIL SUPPORT TEAM (WEAPONS OF MASS DESTRUCTION)
11302A INDEPENDENCE ROAD
LOS ALAMITOS, CALIFORNIA 90720

REPLY TO
ATTENTION OF

NGCA-CST-S-OPS

11 November 2018

MEMORANDUM FOR RECORD: Incident Commander

SUBJECT: 9th Civil Support Team Contact Roster

1. Please find the information for contacting the 9th Civil Support Team listed below. For general information or help with the paperwork included in this report please use either CPT Cho or SFC Whitaker as the primary contacts.

   Contact information list:

   9th Civil Support Team
   11302 Independence Rd.(BLDG 920)
   Los Alamitos, CA 90720

   Lt. Col Neal P. Rodak
   Commander
   562-254-8078

   MAJ Shane A. Foss
   Deputy Commander
   562-254-9022

   CPT Samuel H. Cho
   Operations Officer
   562-370-3798

   SFC David Whitaker
   Operations NCO
   562-254-9584

2. Questions regarding this memorandum can be directed to the undersigned at samuel.h.cho.mil@mail.mil or (562)-370-3798

SAMUEL H. CHO
CPT, CA ARNG
OPERATIONS OFFICER

Section 14

Information regarding Follow-on Support

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
9TH CIVIL SUPPORT TEAM (WEAPONS OF MASS DESTRUCTION)
11302A INDEPENDENCE ROAD
LOS ALAMITOS, CALIFORNIA 90720

REPLY TO
ATTENTION OF

NGCA-CST-S-OPS

14 November 2018

MEMORANDUM FOR RECORD: Incident Commander

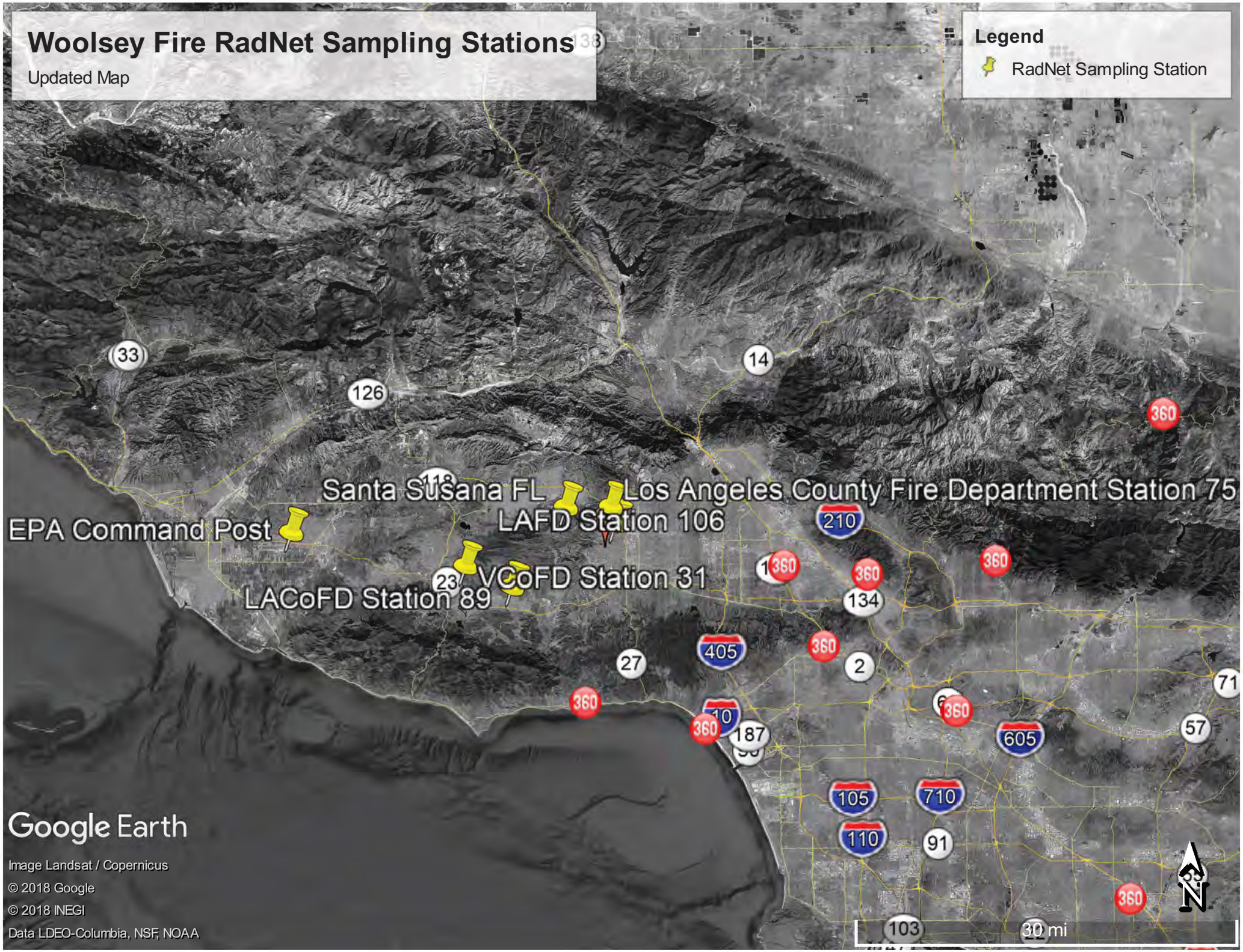
SUBJECT: No Follow On Support

1. No Follow on Support is requested for this event at this time.

2. Questions regarding this memorandum can be directed to the undersigned at Samuel.h.cho.mil@mail.mil or (562)-370-3798

SAMUEL H. CHO
CPT, CA ARNG
OPERATIONS OFFICER

Appendix E – U.S. Environmental Protection Agency RadNet


Woolsey Fire RadNet Sampling Stations
Updated Map
Legend
RadNet Sampling Station
Santa Susana FL
Los Angeles County Fire Department Station 75
LAFD Station 106
EPA Command Post
VCoFD Station 31
LACoFD Station 89
Google Earth
Image Landsat / Copernicus
© 2018 Google
© 2018 INEGI
Data LDEO-Columbia, NSF, NOAA
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Appendix F – U.S. Department of Energy's Energy Technology Engineering Center SSFL Air Sampling Results and Short Reports

ETEC Air Sampling Interim Data
November 10, 2018

Air monitoring results from DOE stations are normally produced and published on a quarterly basis. This short report provides some of the data generated since the last quarterly report, and prior to the fire event on November 8, 2018. There are two sets of air samplers in Area IV of Santa Susana. Set 1 consists of two air samplers near the DOE buildings. Set 2 consists of four samplers located at the perimeter of the DOE site. The attached map shows the location of the four stations in Set 2. Filters currently installed in the Set 2 stations, which were operational during the fire event on November 8, 2018, will be collected and analyzed once it is safe to return to Area IV. Data from all of the stations are provided in the table below.

The samples are analyzed on-site for gross alpha and gross beta radioactivity. The gross alpha and gross beta data sum the contribution from all alpha and beta-emitting radionuclides. Data for individual radionuclides is obtained by sending the samples to an off-site laboratory. This data is not yet available for this interim data. Because the data for individual radionuclides is not yet available, the results of the gross alpha and gross beta samples were compared to the individual radionuclides with the lowest environmental effluent limits as listed in the U.S. Nuclear Regulatory Commission's (USNRC) Standards for Protection from Radiation. The data was compared to the USNRC's effluent limits because they are independent from the U.S. Department of Energy. The gross alpha data was compared to the effluent limit for Pu-238 of 2E-14 uCi/ml, which is the lowest limit for all alpha-emitters potentially present at the ETEC site. The gross beta data was compared to the effluent limit for Sr-90 of 6E-12 uCi/ml, which is the lowest limit for all beta-emitters potentially present at the ETEC site. If a person inhaled air with a concentration equal to the environmental limits for a full 8760 hours in a year then the person would receive an internal radiation dose of 50 mrem.

The data from the Set 1 samplers from the month of October 2018 was less that 10% of the USNRC effluent limits for Pu-238 and Sr-90, except for one sample collected from Area 20 on October 3, 2018. This one sample was 13% of the Pu-238 effluent limit.

The data from the Set 2 samplers is for the month of June 2018. This is the latest data that has been fully validated and verified. Filters pulled since June will be counted on-site once conditions allow a return to the site. The data for the month of June is comparable to all previous months. This indicates that conditions are not changing and the data for June is likely representative of more recent data that has been collected but not yet published.

Data from Set 1 samplers is also comparable to data from Set 2 samplers. Thus, the data for both sets of samplers was averaged. The gross alpha data averaged 9% of the USNRC environmental effluent limit. The gross beta data averaged 0.3% of the USNRC environmental effluent limit. Note also that, while the actual sample results are provided in the table below, almost all sample results were less than the minimum detectable concentration.

If a person inhaled air for an entire year at the concentrations measured, if the gross alpha was 100% attributable to Pu-238, and if the gross beta was 100% attributable to Sr-90, this hypothetical individual would receive an internal radiation dose of less than 5 mrem. This hypothetical dose

can be compared to what people in the United States receive each year from natural background and medical sources of radiation of 620 mrem. The hypothetical maximum dose from airborne radioactivity measured at ETEC is less than 1% the dose from natural and medical sources of radiation.

Sampling Station	Date Collected	Gross Alpha Result uCi/ml)	Percent Pu-238 USNRC Airborne Effluent Limit (%)	Gross Beta Result (uCi/ml)	Percent Sr-90 USNRC Airborne Effluent Limit (%)
		SET 1 SAMPLERS			
A3-RMHF	10/24/2018	8.53E-16	4.27E+00	2.08E-13	3.47E+00
A3-Area 20	10/24/2018	1.02E-15	5.10E+00	2.49E-13	4.15E+00
A3-RMHF	10/17/2018	1.06E-15	5.30E+00	1.08E-15	1.80E-02
A3-Area 20	10/17/2018	-4.23E-15	-2.12E+01	-1.15E-13	-1.92E+00
A3-RMHF	10/10/2018	5.19E-16	2.60E+00	-1.04E-13	-1.73E+00
A3-Area 20	10/10/2018	6.75E-16	3.38E+00	4.89E-14	8.15E-01
A3-RMHF	10/3/2018	1.56E-15	7.80E+00	8.61E-14	1.44E+00
A3-Area 20	10/3/2018	2.60E-15	1.30E+01	1.47E-13	2.45E+00
		SET 2 SAMPLERS			
DOE-1	6/4/2018	2.13083E-15	1.07E+01	1.07664E-14	1.79E-01
DOE-1	6/7/2018	1.4202E-15	7.10E+00	9.54472E-15	1.59E-01
DOE-1	6/11/2018	2.78971E-15	1.39E+01	1.38606E-14	2.31E-01
DOE-1	6/14/2018	2.66955E-15	1.33E+01	1.21469E-14	2.02E-01
DOE-1	6/18/2018	3.18779E-15	1.59E+01	7.644E-15	1.27E-01
DOE-1	6/21/2018	2.83304E-15	1.42E+01	1.37973E-14	2.30E-01
DOE-1	6/25/2018	2.27187E-15	1.14E+01	6.39316E-15	1.07E-01
DOE-1	6/28/2018	2.12371E-15	1.06E+01	3.97459E-15	6.62E-02
DOE-2	6/4/2018	-1.3558E-16	-6.78E-01	-2.12548E-14	-3.54E-01
DOE-2	6/7/2018	2.1304E-15	1.07E+01	7.31399E-15	1.22E-01
DOE-2	6/11/2018	2.11577E-15	1.06E+01	1.14379E-14	1.91E-01
DOE-2	6/14/2018	2.30255E-15	1.15E+01	1.74203E-14	2.90E-01
DOE-2	6/18/2018	9.22925E-16	4.61E+00	7.92916E-15	1.32E-01
DOE-2	6/21/2018	1.41012E-15	7.05E+00	4.84636E-15	8.08E-02
DOE-2	6/25/2018	1.72967E-15	8.65E+00	5.23129E-15	8.72E-02
DOE-2	6/28/2018	5.29726E-16	2.65E+00	4.84275E-15	8.07E-02
DOE-3	6/4/2018	2.93156E-15	1.47E+01	1.16546E-14	1.94E-01
DOE-3	6/7/2018	2.06075E-15	1.03E+01	6.30137E-15	1.05E-01
DOE-3	6/11/2018	3.2105E-15	1.61E+01	1.24008E-14	2.07E-01
DOE-3	6/14/2018	2.80046E-15	1.40E+01	1.14741E-14	1.91E-01
DOE-3	6/18/2018	1.39623E-15	6.98E+00	7.15962E-15	1.19E-01
DOE-3	6/21/2018	2.04772E-15	1.02E+01	1.25945E-14	2.10E-01
DOE-3	6/25/2018	1.40586E-15	7.03E+00	1.05546E-14	1.76E-01
DOE-3	6/28/2018	3.72051E-15	1.86E+01	1.07353E-14	1.79E-01
DOE-4	6/4/2018	2.85006E-15	1.43E+01	3.96748E-15	6.61E-02
DOE-4	6/7/2018	2.00411E-15	1.00E+01	-1.74837E-16	-2.91E-03
DOE-4	6/11/2018	2.43847E-15	1.22E+01	1.2019E-14	2.00E-01
DOE-4	6/14/2018	3.99734E-15	2.00E+01	1.07987E-14	1.80E-01
DOE-4	6/18/2018	8.13051E-16	4.07E+00	8.18378E-15	1.36E-01

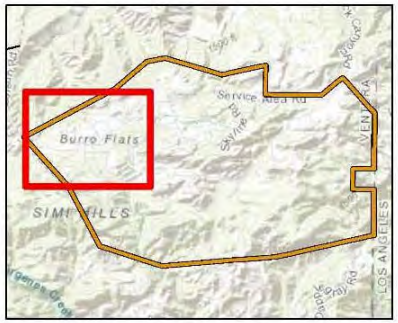
Sampling Station	Date Collected	Gross Alpha Result uCi/ml)	Percent Pu-238 USNRC Airborne Effluent Limit (%)	Gross Beta Result (uCi/ml)	Percent Sr-90 USNRC Airborne Effluent Limit (%)
DOE-4	6/21/2018	1.26653E-15	6.33E+00	1.17546E-14	1.96E-01
DOE-4	6/25/2018	2.32433E-15	1.16E+01	5.27812E-15	8.80E-02
DOE-4	6/28/2018	1.99366E-15	9.97E+00	5.45306E-15	9.09E-02
		Average	**8.97E+00**	**Average**	**3.24E-01**

Baseline Air Monitoring

Legend

- Department of Energy (DOE) Air Monitoring Locations
- Administrative Boundary
- Structure, existing

N



Projection: California State Plane Zone 5, NAD83, Units in Feet

NORTHWIND
A CDM COMPANY

NORTH WIND INC.,
1425 HIGHAM ST
IDAHO FALLS ID 83402

DESIGNED BY: TDF	**Figure 2** **DOE Air Monitoring Locations Santa Susana Field Laboratory Department of Energy Ventura County, California**		
DRAWN BY: TDF			
CHECKED BY: JW	SCALE: As Shown	PROJECT NUMBER: 070784.007.15	
SUBMITTED BY: JW	DATE: 7/27/2018	REVISION: 0	
	FILE: Refer to left margin		

Document Path: G:\Projects\2018 SSFL NASA\Project\MXD\Phase I\V\Figure 2 - Air Monitoring Location Map.mxd

ETEC Air Sampling Interim Data - Update
November 21, 2018

This short report is an update to information provided on November 10, 2018, related to the fire at Santa Susana on November 8, 2018. There are two sets of air samplers in Area IV of Santa Susana. Set 1 consists of two air samplers near the DOE buildings. Set 2 consists of four samplers located at the perimeter of the DOE site.

Filters from Set 1 air samplers near the DOE buildings (A2-Area 20 and A3-RMHF) were collected and analyzed by gross alpha, gross beta, and gamma spectroscopy. The sample collection start date was November 7, 2018 and the stop date was November 9, 2018. The samplers were not running when the filters were retrieved on November 9, 2018, but they were running for the majority of the time the fire was progressing through Area IV. **All sample results were less than their analytical minimum detectable concentration (MDC).** Full details regarding sample collection and results are provided in Table 1, below.

Air Sample Analytical Results

Parameter	A2-Area 20		A3- RMHF	
Sample start date and time	11/7/2018 13:30		11/7/2018 10:25	
Sample end date	11/9/2018 08:05		11/9/2018 08:05	
Total sample run time (min.)	1591		1733	
Total volume of air collected (ml)	7,955,000		8,665,000	
Results (uCi/ml)				
	Concentration	**MDC**	**Concentration**	**MDC**
Gross alpha concentration (uCi/ml)	0.00	5.84E-14	2.95E-15	5.24E-14
Gross beta concentration (uCi/ml)	2.09E-13	1.60E-12	1.21E-13	1.43E-12
Ac-228 (uCi/ml)	1.67E-12	3.80E-12	8.33E-13	3.85E-12
Be-7 (uCi/ml)	-4.99E-12	1.77E-11	-3.81E-12	1.26E-11
Cs-137 (uCi/ml)	5.83E-13	2.21E-12	0.00E+00	1.66E-12
Co-60 (uCi/ml)	0.00E+00	8.80E-13	1.44E-13	1.26E-12
Mn-54 (uCi/ml)	-2.06E-13	1.77E-12	-5.69E-13	1.53E-12
K-40 (uCi/ml)	-1.40E-11	3.31E-11	-4.99E-12	1.81E-11
Ra-226 (uCi/ml)	-1.32E-11	3.16E-11	-5.09E-12	2.49E-11
Ra-228 (uCi/ml)	1.67E-12	3.80E-12	-8.33E-13	3.85E-12