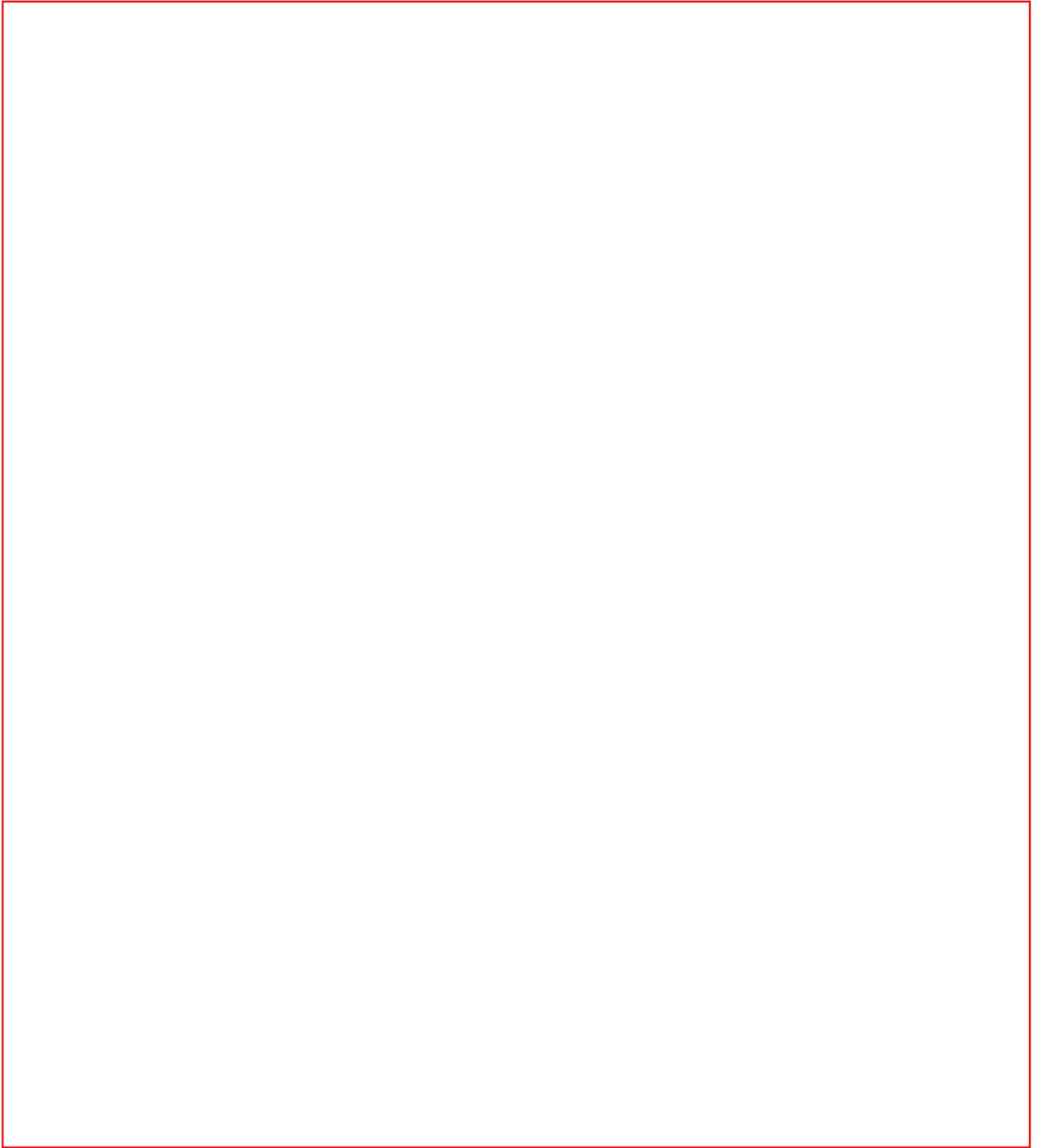


Appendix B

Summarized Event Chronology

The event chronology for the 24 Command Wildland Fire on the Hanford Site displays cause and effect relationships of events and actions derived from various logs and records.



Event	Time/Date	Response Actions
Motor vehicle accident occurs on SR 24 (Milepost 36)	June 27, 2000 1:20 p.m./27	
Hanford Fire Department (HFD) is notified	1:25 p.m./27	<ul style="list-style-type: none"> • HFD dispatches standard response for vehicle fire • HFD captain requests additional firefighting equipment while en route to scene
Hanford Patrol reports wildland fire both sides of SR 24, 5 acres and spreading	1:39 p.m./27	<ul style="list-style-type: none"> • Hanford Patrol on scene (east side) • HFD Medic Unit 92 arrives on scene
HFD reports 5- to 10-acre fire, spreading 6-8 mph, requests closure of SR 24	1:44 p.m./27	<ul style="list-style-type: none"> • HFD captain arrives on scene, establishes Incident Command • HFD deploys fire response to north and south of SR 24 (Note: two fire fronts)
Estimated fire size: 50 acres	1:52 p.m./27	<ul style="list-style-type: none"> • HFD battalion chief arrives on scene, assumes IC
Private citizen volunteers heavy equipment	2:00 p.m./27	<ul style="list-style-type: none"> • HFD Incident Commander (IC) requests helicopter air support for fire suppression from U.S. Army Yakima Training Center
Estimated fire size: 200+ acres	2:05 p.m./27	<ul style="list-style-type: none"> • HFD uses private 5,000-gal. water tanker at nearby vineyard
Firefighters south of SR 24 outrun by fire due to terrain	2:10 p.m./27	<ul style="list-style-type: none"> • HFD paramedic declines citizen's offer because of safety/liability concerns
HFD IC requests air tanker air support for fire suppression through Central Washington Interagency Communication Center (CWICC)	2:30 p.m./27	<ul style="list-style-type: none"> • HFD fire chief arrives on scene, establishes Incident Command Post (ICP) at Yakima Barricade (Note: all HFD resources dispatched)
Estimated fire size: 500 acres	2:35 p.m./27	<ul style="list-style-type: none"> • HFD fire chief arrives on scene, establishes Incident Command Post (ICP) at Yakima Barricade (Note: all HFD resources dispatched)
HFD IC requests Type 3 Incident Management Team (IMT)	2:40 p.m./27	<ul style="list-style-type: none"> • U.S. Fish and Wildlife Service (FWS) arrives on scene
	3:00 p.m./27	<ul style="list-style-type: none"> • HFD IC requests additional Type 3 resources

Event	Time/Date	Response Actions
<p>CWICC helicopter to site</p> <p>HFD Incident Command transferred to Type 3 IMT</p>	<p>June 27, 2000</p>	<ul style="list-style-type: none"> • Two air tankers begin fire retardant drops • HFD IC requests temporary flight restriction from FAA Seattle • Mutual Aid District resources from Tri-Cities begin arriving at staging area and are deployed to firelines • HFD personnel survey fire impact area and reassess (JON-2.b) • HFD IC provides telephone briefings to incoming Type 3 IC on current status and resource requirements (IMT) • HFD IC continues to support the ICP • HFD resources continue deployment on ALE Reserve and private impacted lands
	<p>4:00 p.m./27</p>	
	<p>4:41 p.m./27</p>	
	<p>5:00 p.m./27</p>	
	<p>6:00 p.m./27</p>	
<p>7:30 p.m./27</p>	<ul style="list-style-type: none"> • HFD IC continues to support the ICP • HFD resources continue deployment on ALE Reserve and private impacted lands 	
<p>11:36 p.m./27</p>		
<p>Hanford response transitions from an incident command and control role to a responder role within the incident command structure.</p>		
<p>Washington State Patrol reopens SR 24</p> <p>Weather conditions deteriorate</p> <p>Estimated fire size: 23,630 acres</p> <p>Hanford employees report smoke-related complaints</p>	<p>June 28, 2000</p>	<ul style="list-style-type: none"> • Accident scene released • National Weather Service issues Red Flag warning (JON-2.b) • Type 3 IC requests Type 2 response resources (8 hand crews, 4 Type 1 hand crews, 5 air tankers, 2 Type 2 helicopters) • Hanford Emergency Duty Officer requests initial staffing of Hanford Emergency Operations Center (EOC) (Event Coordination Team [ECT] to monitor response)
	<p>1:00 a.m./28</p>	
	<p>6:00 a.m./28</p>	
	<p>7:00 a.m./28</p>	
	<p>8:35 a.m./28</p>	

Event	Time/Date	Response Actions
	June 28, 2000	
	9:43 a.m./28	<ul style="list-style-type: none"> Abnormal Event notification made to offsite organizations (Note: Not an emergency classification) (JON-2.b)
	9:55 a.m./28	<ul style="list-style-type: none"> 200 West Area notified via crash phone (early release of nonessential personnel)
	10:19 a.m./28	<ul style="list-style-type: none"> Industrial hygienists sample air quality in 200 East Area, find results below limits for early release
	10:50 a.m./28	<ul style="list-style-type: none"> Air support for fire suppression resumes
	11:00 a.m./28	<ul style="list-style-type: none"> RL Manager goes to Incident Command Post for briefing
U.S. Secretary of Energy notified of fire		
Fireline breached in Snively Canyon	11:11 a.m./28	
Fire threatens Pacific Northwest National Laboratory facilities on ALE Reserve		<ul style="list-style-type: none"> ICP requests technical information on radiation hazards in PNNL facilities on ALE Reserve
Radiation status of PNNL structure provided to EOC		
Type 2 IC briefing	12:00 p.m./28	<ul style="list-style-type: none"> Status: 276 people, 19 engines, 2 bulldozers, 7 hand crews, 1 medical unit - 30% of requested level
Fire threatens central Hanford Site		<ul style="list-style-type: none"> HFD requests reallocation and deployment to respond to tactical needs for central Hanford Site
Estimated fire size: 31, 190 acres	12:00 p.m./28	
SR 24 fire threat	1:06 p.m./28	<ul style="list-style-type: none"> ICP requests SR 24 closure to allow egress for response resources
Fire jumps SR 24 south to north	1:10 p.m./28	
Wind speed from west increases significantly	2:07 p.m./28	
Fire progresses toward Horn Rapids Road	2:24 p.m./28	<ul style="list-style-type: none"> SR 240 closed from SR 225 to SR 24

Event	Time/Date	Response Actions
<p>Los Alamos Lessons Learned</p> <p>Fire jumps SR 240 toward 200 West Area</p> <p>RL declares Alert level emergency</p>	<p>June 28, 2000</p> <p>3:00 p.m./28</p> <p>3:37 p.m./28</p> <p>3:47 p.m./28</p> <p>3:54 p.m./28</p> <p>4:28 p.m./28</p> <p>4:35 p.m./28</p>	<ul style="list-style-type: none"> Response units pull back to defensible positions HFD assets redeployed fully to Hanford Site DOE-HQ Defense Programs requested Aerial Measuring System (AMS) from DOE Nevada Operations Office Hanford EOC requests AMS support from Nevada Operations Office RL Manager requests EPA air monitor (JON 3) Hanford Patrol Operations Center requests evacuation of 222-S labs “Take Cover” alarm activated in 200 Area (based on smoke)
<p>Classification of the event as an “Alert” activates the Hanford Emergency Operations Center. This classification implements certain emergency responses, protective actions, and authorities under the jurisdiction of the RL Manager at the EOC. (JON-2.B)</p>		
<p>Type 2 IMT assumes command of fire</p> <p>HFD requests outside assistance</p>	<p>4:59 p.m./28</p> <p>5:00 p.m./28</p> <p>6:00 p.m./28</p> <p>5:56-6:00 p.m./28</p>	<ul style="list-style-type: none"> U.S. Forest Service dispatcher requests FAA to relocate temporary flight restriction over Hanford Site Hanford field monitoring teams are dispatched Type 2 IMT denies HFD request
<p>Type 2 response structure resources available outside the Tri-City Mutual Aid District (state-wide)</p>		
<p>Road grader abandoned at Rattlesnake Barricade</p> <p>Estimated fire size: 88, 640 acres</p>	<p>6:00 p.m./28</p>	<ul style="list-style-type: none"> Rapid fire approach, damage to road grader, no personnel injuries Assessment determines that fire progressed at rate of 9,600 acres/hour over immediately preceding 6 hours

Event	Time/Date	Response Actions
<p style="text-align: right;">Event status</p>	<p>June 28, 2000 6:00-12:00 a.m./28</p>	<ul style="list-style-type: none"> Active firefighting over most of the Hanford Site (actions to protect 200 East and West Areas, Waste Receiving and Processing, Central Waste Complex, 222-S Laboratory, Environmental Restoration Disposal Facility, U.S. Ecology, BC Controlled Area, Fast Flux Test Facility, LIGO, Hanford Patrol Training Academy, and HAMMER)
<p style="text-align: center;">At this time in the emergency, the fire response covers multiple fire lines not only on the Hanford Site but over a 20-mile area.</p>		
<p>Benton County declares state of emergency</p>	<p>6:00 p.m./28</p>	
<p>Fire threatens Laser Interferometer Gravitational-Wave Observatory (LIGO)</p>	<p>7:14 p.m./28</p>	<ul style="list-style-type: none"> LIGO (including facility personnel and visiting Boy Scout Troop) evacuated (JON-2.k)
<p>Smoke and fire threaten 222-S Lab</p>	<p>7:52 p.m./28</p>	<ul style="list-style-type: none"> 222-S Lab evacuates nonessential personnel
<p>Fire progresses over ridge at Gate 106 Rattlesnake Mountain</p>	<p>8:00 p.m./28</p>	<ul style="list-style-type: none"> Hanford Patrol officer forced to evacuate to west through Benton City (JON-2.k)
<p>Fire jumps SR 225 near Wanawish Dam at Horn Rapids on Yakima River</p>	<p>8:08 p.m./28</p>	
<p>Public onlookers and crowd at HAMMER</p>	<p>8:36 p.m./28</p>	<ul style="list-style-type: none"> Hanford Patrol requests Richland Police Department assistance with roadblock at SR 240 and Stevens Drive
<p>Hanford Patrol needs to handle HAMMER crowd</p>	<p>8:36 p.m./28</p>	<ul style="list-style-type: none"> Richland police assist Hanford Patrol at SR 240
<p>Type 2 IMT requests RL representative at Type 2 ICP</p>	<p>8:42 p.m./28</p>	<ul style="list-style-type: none"> RL Manager assigns individual with authority
<p>Fire enters Benton City area</p>	<p>9:00 p.m./28</p>	
<p>Estimated fire size: 140,800 acres</p>	<p>10:00 p.m./28</p>	
<p>ICP moved from Cold Creek Vineyard to City of Richland Shops</p>	<p>10:20 p.m./28</p>	

Event	Time/Date	Response Actions
June 28, 2000		
Incident Command Post was moved to be closer to event response, as fire at this time is 25 miles from the vineyard location		
Multi-Agency Coordination Team established to support Type 2 IMT (JON 1)	10:20 p.m./28	
	10:43 p.m./28	<ul style="list-style-type: none"> • Hanford EOC issues public announcement of work cancellation at 100, 200, 300, 400 Areas, HAMMER, and Hanford Patrol Training Academy
Private party reported to be monitoring for radiation contamination of firefighters	11:30 p.m. - 12:00 a.m./28	<ul style="list-style-type: none"> • (JON-2.k)
June 29, 2000		
Hanford EOC experiences power outage for 35 minutes	12:19 a.m./29	
Unified Command Post moved to Trade, Recreational, and Agricultural Center (TRAC) in Pasco	12:23 a.m./29	
Governor of Washington State declares state of emergency	1:45 a.m./29	
	2:14 a.m./29	<ul style="list-style-type: none"> • SR 240 confirmed open
	3:40 a.m./29	<ul style="list-style-type: none"> • Offsite resources allowed entry
Energy Northwest requests Site entry at 5:30 a.m. for 100 persons	4:13 a.m./29	
	5:00 a.m./29	<ul style="list-style-type: none"> • Energy Northwest accepts restricted entry, only essential personnel
Nonradiological landfill burned over	5:59 a.m./29	<ul style="list-style-type: none"> • Bechtel Hanford, Inc. implements RCRA contingency plan
	10:40 a.m./29	<ul style="list-style-type: none"> • Aerial Measuring System flyover begins
	10:45 a.m./29	<ul style="list-style-type: none"> • BC Crib wet down
	11:00 a.m./29	<ul style="list-style-type: none"> • Recovery team assembles to plan Site access restoration in parallel with the event response

Event	Time/Date	Response Actions
Fire spreads across portion of BC Controlled Area	June 29, 2000 12:00 p.m./29	
	12:30 p.m./29	<ul style="list-style-type: none"> Air tanker drops fire retardant on BC Controlled Area
Interagency conference call	1:00 p.m./29	<ul style="list-style-type: none"> White House, Forest Service, Weather Service, EPA
	June 30, 2000	
Radiological survey team deployed to facilities with radioactive material on ALE Reserve	4:45 a.m./30	
	5:53 a.m./30	<ul style="list-style-type: none"> Radiological survey team reports finding building intact with no evidence of burn; semi-trailer destroyed by fire
Radiological samples collected	11:00 a.m./30 3:06 p.m./30	<ul style="list-style-type: none"> Recovery team established 139 samples (52 air, 23 large area smears, 2 soil samples, 12 vegetation)
Hanford EOC terminates Alert emergency	4:57 p.m./30	<ul style="list-style-type: none"> EOC staffing reduced to event coordination team (ECT). The ECT provides support to the HFD during final response phase of the event.
	5:00 p.m./30	<ul style="list-style-type: none"> EPA starts high-volume (24-hour) sampling (see JON- 3)
	July 1, 2000	
Fire officially contained and declared out	4:00 p.m./1	

