

**National Interagency Coordination Center
Incident Management Situation Report
Wednesday, September 18, 2019 – 0530 MT
National Preparedness Level 2**

National Fire Activity

Initial attack activity:	Light (142 new fires)
New large incidents:	5
Large fires contained:	4
Uncontained large fires:***	15
Area Command teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	1
Type 2 IMTs committed:	4

Nationally, there are 44 large fires being managed under a strategy other than full suppression.

*** Uncontained large fires include only fires being managed under a full suppression strategy.

Link to Geographic Area daily reports.

Link to Understanding the IMSR.

Active Incident Resource Summary						
GACC	Incidents	Cumulative Acres	Crews	Engines	Helicopters	Total Personnel
AICC	3	179,864	5	19	4	342
NWCC	2	24,505	7	6	5	220
ONCC	11	78,990	71	149	15	3,335
OSCC	4	13,283	17	36	5	728
NRCC	2	376	0	16	0	56
GBCC	7	25,713	10	20	8	353
SWCC	10	58,216	6	15	2	292
RMCC	5	5,079	8	18	3	331
EACC	0	0	0	0	0	0
SACC	10	6,781	3	18	1	122
Total	54	392,807	127	297	43	5,779

Northern California Area (PL 3)

New fires: 21
New large incidents: 0
Uncontained large fires: 4
Type 1 IMTs committed: 1
Type 2 IMTs committed: 2

Walker, Plumas NF, USFS. IMT 1 (CA Team 4). Eleven miles east of Taylorsville, CA. Timber and medium logging slash. Minimal fire behavior with creeping, smoldering and backing. Road and area closures in effect. Precipitation occurred over the fire area yesterday.

Lime, Klamath NF, USFS. Transfer of command from IMT 2 (CA Team 15) back to the local unit will occur today. IMT is also managing the Kidder 2 incident. Ten miles north of Yreka, CA. Timber and brush. Minimal fire behavior with backing, creeping and smoldering.

Kidder 2, Klamath NF, USFS. Ten miles northwest of Etna, CA. Timber and brush. Minimal fire behavior with backing, creeping and smoldering.

South, Shasta-Trinity NF, USFS. IMT 2 (CA Team 16). Fifteen miles south of Platina, CA. Timber, chaparral and hardwood litter. Minimal fire behavior with creeping and smoldering. Structures threatened. Area, road and trail closures in effect.

Middle, Shasta-Trinity NF, USFS. Eleven miles northeast of Junction City, CA. Timber and brush. Minimal fire behavior with smoldering and creeping. Area, road and trail closures in effect.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Walker	CA-PNF	54,518	0	96	Ctn	9/28	1,529	-484	37	71	6	9	28.9M	FS
Lime	CA-KNF	1,872	0	99	Ctn	10/9	215	-32	2	5	0	0	7.9M	FS
Kidder 2	CA-KNF	227	20	39	Ctn	10/18	41	-23	1	0	0	0	800K	FS
South	CA-SHF	5,190	0	53	Comp	10/1	441	-119	7	10	4	2	6.5M	FS
Middle	CA-SHF	1,328	178	15	Ctn	10/31	151	42	3	2	2	0	250K	FS

Southern California Area (PL 3)

New fires: 21
New large incidents: 0
Uncontained large fires: 1
NIMOs committed: 1
Type 2 IMTs committed: 1

Taboose, Inyo NF, USFS. IMT 2 (CA Team 11). NIMO (Boise) mobilizing. Ten miles southwest of Big Pine, CA. Timber, brush and short grass. Moderate fire behavior with backing, flanking and single tree torching. Numerous residences threatened. Trail closures in effect.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Taboose	CA-INF	10,106	668	62	Ctn	9/30	575	55	12	24	5	0	8M	FS
Horseshoe	CA-RRU	520	0	100	Ctn	---	140	-360	5	10	0	0	2.3M	ST
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Springs	CA-INF	4,840	---	98	Comp	10/1	149	---	2	4	0	0	6.2M	FS

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Cow	CA-INF	2,025	---	70	Comp	10/11	27	---	0	1	1	0	1.9M	FS

RRU – Riverside Unit, Cal Fire

Northwest Area (PL 1)

New fires: 3
 New large incidents: 0
 Uncontained large fires: 2

Gopher, Rogue River-Siskiyou NF, USFS. Eleven miles east of Prospect, OR. Timber, brush and medium logging slash. Minimal fire behavior with smoldering. Area, road and trail closures in effect. Precipitation occurred over the fire area yesterday.

Poker, Sheldon-Hart Mountain NWR, FWS. Nineteen miles northeast of Plush, OR. Brush and tall grass. Moderate fire behavior with smoldering. Sage-grouse habitat threatened. Road closures in effect.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Gopher	OR-RSF	354	0	40	Ctn	9/30	117	-14	3	0	2	0	3.9M	FS
Poker	OR-SHR	23,400	0	75	Ctn	9/19	103	13	4	6	3	0	483K	FWS
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
204 Cow	OR-MAF	9,668	---	73	Comp	10/15	70	---	2	2	0	0	10.7M	FS
Granite Gulch	OR-WWF	5,500	---	0	Comp	10/31	9	---	0	0	1	0	500K	FS
Devore Creek	WA-OWF	630	---	0	Comp	11/30	3	---	0	0	0	0	1.1M	FS
South Fork Creek	WA-OWF	199	---	60	Comp	11/15	0	---	0	0	0	0	30K	FS

MAF – Malheur NF, USFS WWF – Wallowa-Whitman NF, USFS OWF – Okanogan-Wenatchee NF, USFS

Alaska Area (PL 2)

New fires: 2
 New large incidents: 0
 Uncontained large fires: 0
 Type 2 IMTs committed: 1

Swan Lake, Kenai Kodiak Area, Alaska DOF. IMT 2 (NR Team 4). Started on FWS land five miles northeast of Sterling, AK. Timber, brush and short grass. Minimal fire behavior with creeping and smoldering. Numerous structures threatened. Area, road and trail closures in effect.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Swan Lake	AK-KKS	167,164	2,079	48	Comp	10/1	254	-5	3	13	3	0	45.8M	FWS
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Tokaina 2	AK-CRS	9,412	0	0	Comp	9/30	5	0	0	0	1	0	1M	ST
Pete Andrews Creek	AK-SWS	5,859	---	70	Comp	UNK	7	---	0	0	0	0	983K	PRI
Lower Klutuk	AK-SWS	4,699	---	0	Comp	10/14	0	---	0	0	0	0	2K	BLM

CRS – Valdez-Copper River Area, Alaska DOF SWS – Southwest Area, Alaska DOF

Rocky Mountain Area (PL 2)

New fires: 8
 New large incidents: 1
 Uncontained large fires: 3

McNey, Larimer County. Nine miles east of Redfeather Lakes, CO. Timber. Minimal fire behavior. Residences threatened. Area and trail closures in effect.

Brush Creek, Albany County. Previously reported as Bush Creek incident. Thirty miles southwest of Douglas, WY. Timber, brush and short grass. Moderate fire behavior with isolated torching, creeping and smoldering. Structures threatened.

* **Sand Spring**, Moffat County. Eight miles northwest of Craig, CO. Brush and short grass. Extreme fire behavior with wind-driven runs, running and flanking. Structures threatened.

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
McNey	CO-LRX	560	190	77	Ctn	9/19	113	-1	3	5	0	0	316K	CNTY
Brush Creek	WY-ALX	470	0	0	Ctn	9/26	127	7	3	8	2	0	300K	CNTY
* Sand Spring	CO-MFX	303	---	20	Ctn	9/18	6	---	0	2	0	0	130K	CNTY
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Decker	CO-RGF	846	0	0	Comp	12/20	72	18	2	0	1	0	310K	FS
Hunt	CO-WRD	2,900	---	40	Comp	9/30	13	---	0	3	0	0	550K	BLM
Middle Mamm	CO-WRF	275	---	2	Comp	10/31	7	---	1	0	0	0	493K	FS
Fishhawk	WY-SHF	11,177	---	0	Comp	10/31	1	---	0	0	0	0	1.9M	FS

RGF – Rio Grande NF, USFS WRD – White River Field Office, BLM WRF – White River NF, USFS
 SHF – Shoshone NF, USFS

Great Basin Area (PL 2)

New fires: 15
 New large incidents: 1
 Uncontained large fires: 2

* **Francis**, Uinta-Wasatch-Cache NF, USFS. One mile northeast of Fruit Heights, UT. Brush and tall grass. Active fire behavior with spotting, wind-driven runs and backing. Structures threatened. Trail closures in effect. Precipitation occurred over the fire area yesterday.

Kelly, Humboldt County. Sixty miles northeast of Winnemucca, NV. Brush and tall grass. Minimal fire behavior with smoldering.

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
* Francis	UT-UWF	365	---	20	Ctn	9/19	187	---	8	3	4	0	565K	FS
Kelly	NV-HUMX	1,493	1,093	90	Ctn	9/18	18	-31	0	4	0	0	75K	CNTY
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Tincup	ID-CTF	263	---	0	Comp	9/30	6	---	0	1	0	0	90K	FS
Boone	ID-CTF	117	---	1	Comp	9/30	2	---	0	0	0	0	12K	FS
Shady	ID-SCF	6,286	---	8	Comp	10/31	1	---	0	0	0	0	602K	FS
Cove Creek	ID-SCF	5,304	---	85	Comp	9/30	1	---	0	0	0	0	5.2M	FS

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Smith Knob	ID-PAF	915	---	0	Comp	10/1	0	---	0	0	0	0	310K	FS
Trumbull	AZ-ASD	2,925	---	0	Comp	9/26	0	---	0	0	0	0	550K	BLM

CTF – Caribou-Targhee NF, USFS SCF – Salmon-Challis NF, USFS PAF – Payette NF, USFS
 ASD – Arizona Strip Field Office, BLM

Southwest Area (PL 2)

New fires: 5
 New large incidents: 0
 Uncontained large fires: 0

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Telephone	AZ-ASF	2,361	161	50	Comp	9/18	5	-8	0	1	0	0	115K	FS
Whiskey	AZ-COF	3,900	---	16	Comp	10/16	100	---	3	6	1	0	492K	FS
Rocky	AZ-ASF	3,702	---	55	Comp	9/30	9	---	0	1	0	0	185K	FS
Apache	NM-GNF	170	---	0	Comp	10/31	26	---	0	1	0	0	60K	FS
Sheridan	AZ-PNF	21,510	---	60	Comp	9/30	50	---	1	3	0	0	4.2M	FS
Ikes	AZ-GCP	7,650	---	98	Comp	UNK	13	---	0	0	0	0	2.6M	NPS
Lava 18	NM-EMP	2,070	---	20	Comp	9/30	44	---	2	2	0	0	370K	NPS
Middle	NM-LNF	785	---	50	Comp	11/15	26	---	1	1	0	0	20K	FS
Montoya Springs	NM-CAF	2,950	0	100	Comp	---	0	-25	0	0	0	0	498K	FS

ASF – Apache-Sitgreaves NF, USFS COF – Coconino NF GNF – Gila NF, USFS PNF – Prescott NF, USFS
 GCP – Grand Canyon NP, NPS EMP – El Malpais National Monument, NPS LNF – Lincoln NF, USFS CAF – Carson NF, USFS

Southern Area (PL 2)

New fires: 62
 New large incidents: 2
 Uncontained large fires: 2

Powers Ranch, Texas A&M Forest Service. Started on private land 55 miles south of San Angelo, TX. Brush and tall grass. Minimal fire behavior.

Jack Creek, Oklahoma DOF. Twenty miles northeast of Antlers, OK. Timber. No new information.

* **Clark Branch #2**, Kentucky DOF. Started on private land four miles north of Betsy Layne, Kentucky. Timber and tall grass. Active fire behavior with running, backing and uphill runs. Last narrative report unless significant activity occurs.

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Powers Ranch	TX-TXS	1,356	0	95	Ctn	UNK	30	0	0	7	0	0	1K	PRI
Jack Creek	OK-OKS	505	---	80	Ctn	9/19	11	---	0	5	0	1	6K	ST
* Clark Branch #2	KY-KYS	600	---	0	Comp	9/20	11	---	2	1	0	0	1K	PRI

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Fish Camp	FL-FNF	769	---	100	Ctn	---	31	---	0	2	1	0	24K	FS
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
* Marshall County Line	MS-MSS	171	---	100	Comp	---	6	---	0	0	0	0	34K	PRI

FNF – National Forests in Florida MSS – Mississippi Forestry Commission

Northern Rockies (PL 1)

New fires: 5
 New large incidents: 1
 Uncontained large fires: 1

* **Crooked Creek**, Yellowstone County. Sixteen miles north of Billings, MT. Brush and tall grass. Active fire behavior. Structures threatened.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
* Crooked Creek	MT-LG03	316	---	50	Ctn	9/18	39	---	0	12	0	0	100K	CNTY
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Horsefly	MT-HLF	1,352	---	75	Comp	9/30	34	---	1	0	0	0	6.6M	FS
Beeskove	MT-LNF	430	---	75	Comp	9/30	15	---	0	0	0	0	7M	FS
McClusky	MT-BDF	2,932	---	60	Comp	11/1	7	---	0	1	0	0	1.5M	FS
Snow Creek	MT-FNF	1,815	---	5	Comp	10/31	3	---	0	0	0	0	80K	FS
Miller Gulch	MT-LNF	297	---	50	Comp	11/1	2	---	0	0	0	0	361K	FS
Balsam	MT-BRF	130	---	0	Comp	10/31	2	---	0	0	0	0	12K	FS
Shale Creek	ID-NCF	600	---	0	Comp	11/1	1	---	0	0	0	0	75K	FS
Hungry Creek	ID-NCF	207	---	0	Comp	9/30	1	---	0	0	0	0	8K	FS
Snow Peak	ID-IPF	110	---	0	Comp	10/31	0	---	0	0	0	0	65K	FS
Barren Hill	ID-NCF	1,300	---	0	Comp	10/31	0	---	0	0	0	0	20K	FS
Elbow Bend	ID-NCF	129	---	0	Comp	10/31	0	---	0	0	0	0	10K	FS
Crab	ID-NCF	214	---	40	Comp	10/31	0	---	0	0	0	0	2.6M	FS

HLF – Helena-Lewis and Clark NF, USFS LNF – Lolo NF, USFS BDF – Beaverhead-Deerlodge NF, USFS
 FNF – Flathead NF, USFS BRF – Bitterroot NF, USFS NCF – Nez Perce-Clearwater NF, USFS
 IPF – Idaho Panhandle NF, USFS

Fires and Acres Yesterday (by Protection):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	0	0	0	2	0	2
	ACRES	0	0	0	0	0	0	0
Northwest Area	FIRES	0	1	0	0	1	1	3
	ACRES	0	0	0	0	1	0	1
Northern California Area	FIRES	0	0	0	0	16	5	21
	ACRES	0	0	0	0	12	632	644
Southern California Area	FIRES	0	0	0	0	20	1	21
	ACRES	0	0	0	0	187	668	855
Northern Rockies Area	FIRES	1	0	0	0	2	2	5
	ACRES	0	0	0	0	316	0	316
Great Basin Area	FIRES	2	9	0	0	3	1	15
	ACRES	0	59	0	0	1,217	0	1,276
Southwest Area	FIRES	0	0	0	0	0	5	5
	ACRES	0	0	0	0	0	2	2
Rocky Mountain Area	FIRES	0	5	0	0	2	1	8
	ACRES	0	83	0	0	322	2	407
Eastern Area	FIRES	0	0	0	0	0	0	0
	ACRES	0	0	0	0	0	0	0
Southern Area	FIRES	0	0	0	0	62	0	62
	ACRES	0	0	0	0	249	0	249
TOTAL FIRES:		3	15	0	0	108	16	142
TOTAL ACRES:		0	142	0	0	2,304	1,304	3,750

Fires and Acres Year-to-Date (by Protection):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	242	0	0	415	44	701
	ACRES	0	1,701,005	0	0	886,633	13	2,587,651
Northwest Area	FIRES	236	189	15	29	1,588	983	3,040
	ACRES	49,858	29,192	23,489	4	20,796	21,779	145,120
Northern California Area	FIRES	51	45	4	7	2,273	452	2,832
	ACRES	28	5,599	25	1	31,904	85,168	122,725
Southern California Area	FIRES	18	72	10	18	2,972	297	3,387
	ACRES	140	414	2,727	106	17,601	22,398	43,386
Northern Rockies Area	FIRES	739	48	22	15	783	456	2,063
	ACRES	11,567	969	10,026	116	37,815	11,254	71,747
Great Basin Area	FIRES	36	703	8	28	786	433	1,994
	ACRES	145	260,939	2	126	149,211	35,201	445,625
Southwest Area	FIRES	600	200	11	50	580	806	2,247
	ACRES	51,620	6,754	55	9,278	28,804	324,689	421,200
Rocky Mountain Area	FIRES	250	304	1	10	524	297	1,386
	ACRES	1,938	21,370	5,048	29	29,475	20,752	78,613
Eastern Area	FIRES	301	0	15	31	3,668	291	4,306
	ACRES	569	0	427	520	27,282	5,133	33,931
Southern Area	FIRES	254	0	34	44	14,966	252	15,550
	ACRES	22,653	0	2,498	2,303	352,211	18,847	398,512
TOTAL FIRES:		2,485	1,803	120	232	28,555	4,311	37,506
TOTAL ACRES:		138,519	2,026,242	44,297	12,483	1,581,734	545,236	4,348,513

Ten Year Average Fires (2009 – 2018 as of today)	48,839
Ten Year Average Acres (2009 – 2018 as of today)	6,084,129

***Changes in some agency YTD acres reflect more accurate mapping or reporting adjustments.

***Additional wildfire information is available through the Geographic Areas at <https://gacc.nifc.gov/>

Canadian Fires and Hectares

PROVINCES	FIRES YESTERDAY	HECTARES YESTERDAY	FIRES YEAR-TO- DATE	HECTARES YEAR-TO-DATE
BRITISH COLUMBIA	0	0	979	21,213
YUKON TERRITORY	0	0	114	270,542
ALBERTA	0	0	974	883,384
NORTHWEST TERRITORY	0	0	145	105,167
SASKATCHEWAN	0	0	233	47,930
MANITOBA	0	0	277	101,140
ONTARIO	0	0	533	269,757
QUEBEC	0	0	336	10,226
NEWFOUNDLAND	0	0	91	777
NEW BRUNSWICK	0	0	177	224
NOVA SCOTIA	0	0	135	154
PRINCE EDWARD ISLAND	0	0	2	9
NATIONAL PARKS	0	0	74	117,830
TOTALS	0	0	4,070	1,828,352

*1 Hectare = 2.47 Acres

Predictive Services Discussion: The low-pressure area and surface cold front over the Upper Midwest will continue to move slowly east allowing scattered storms to move toward the Upper Mississippi River Basin. To the West, high pressure will amplify along and east of the Continental Divide and will lead to a warming and drying trend. Another strong low-pressure area along the coasts of Oregon and Washington will create breezy to windy conditions across northern California and Eastern Oregon as a southwesterly flow intensifies. Widespread wetting rainfall is expected across most of Washington except for the southeastern corner; and Oregon along and west of the Cascade Crest. Wind flow across the remainder of California will be onshore and from the southwest. Texas will return to overall hot and dry conditions as high-pressure sits overtop the state.

<http://www.predictiveservices.nifc.gov/outlooks/outlooks.htm>



Norovirus

Firefighter Health & First Aid

Norovirus causes sudden vomiting and diarrhea and feeling extremely ill. It is highly contagious and can spread rapidly through a crew or fire camp by exposure to stool and vomit of sick people. Food, drink, and objects can be contaminated even if you don't see anything on them. Sick people are contagious for 3 days after recovery, possibly longer.

● Symptoms of Norovirus infection usually last about 2–3 days and include:

- Diarrhea
- Vomiting
- Stomach pain
- Dehydration due to excessive vomiting and diarrhea

● Treatment:

- There is no drug for treating Norovirus and antibiotics don't help
- Drinking plenty of fluids with electrolytes
- In some cases, fluid may need to be given intravenously

● If you have symptoms, take these steps to prevent spread:

- Wash your hands thoroughly with soap and water after using the toilet
 - If soap and water aren't available, use a hand sanitizer that contains at least 62% ethanol
- Do not prepare food for others while you are sick and for 3 days after you recover
- Clean and disinfect surfaces with a bleach-based cleaning solution immediately after they have been contaminated by vomit or diarrhea
- Wash soiled laundry thoroughly
 - Wear disposable gloves if possible and wash your hands after handling
 - Immediately remove items that may be contaminated, place in a plastic bag, and machine wash with detergent on the longest cycle and machine dry
 - Handle soiled items gently to avoid spreading the virus

● Precautions:

- Wash your hands with soap and water before eating, drinking, or smoking
- Don't touch your mouth or food after touching anything that might be contaminated
- Wear disposable gloves when taking care of a sick buddy

Resources:

<http://www.cdc.gov/ncidod/dvrd/revb/gastro/norovirus.htm>

<https://www.cdc.gov/norovirus/index.html>

http://www.emedicinehealth.com/norovirus/article_em.htm

<http://www.fs.fed.us/logistics/logistics/medical/documents/nwgcattainfectdisguiderevised20100319.pdf>

<http://www.cdc.gov/handwashing/#emergency>

Have an idea? Have feedback? Share it.

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