SOUTHERN CALIFORNIA
EDISON
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October 2, 1997

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Subject: Docket Nos. 50-206, 50-361, and 50-362
1997 Emergency Plan Exercise
San Onofre Nuclear Generating Station
Units 1, 2, and 3

Reference: August 29, 1997 letter from Cyrus K. Anderson (SCE) to the NRC Document Control Desk regarding the 1997 Emergency Plan Exercise

The referenced letter submitted the scenario and data for the San Onofre annual Emergency Plan exercise scheduled for October 28, 1997. Comments have been made to Southern California Edison (SCE) by the Federal Emergency Management Agency (FEMA) during their review. As a result, SCE has made changes to the exercise scenario and data.

The enclosed material incorporates the comments by FEMA and replaces portions of the referenced submittal. Also enclosed is a memorandum listing the comments identified by FEMA and the disposition of those comments.

If you have additional comments or questions on the enclosed data, please contact me.

Sincerely,

C K Anderson

Cyrus K. Anderson
Manager, Site Emergency Preparedness

Enclosures

cc: (See attached list)

P. O. Box 128
San Clemente, CA 92674-0128

230031

cc: (w/o enclosures)
E. W. Merschoff, Regional Administrator, NRC Region IV
K. E. Perkins, Jr., Director, Walnut Creek Field Office, NRC Region IV
J. A. Sloan, NRC Senior Resident Inspector, San Onofre Units 2 & 3
M. B. Fields, NRC Project Manager, San Onofre Units 2 and 3
M. K. Webb, NRC Project Manager, San Onofre Unit 1
L. C. Carson, Regional Project Inspector, San Onofre Unit 1
S. S. Bajwa, Section Chief, Decommissioning Section

cc: (w/enclosures)
T. H. Andrews, NRC Inspector Region IV

ATTENTION: DOCUMENT CONTROL DESK

PLEASE DO NOT DISTRIBUTE THE ENCLOSURE TO THIS LETTER UNTIL AFTER OCTOBER 28, 1997. THE ENCLOSURE CONTAINS CONFIDENTIAL INFORMATION REGARDING AN OCTOBER 28, 1997 EMERGENCY EXERCISE.

THANK YOU,

SOUTHERN CALIFORNIA EDISON
SAN ONOFRE NUCLEAR GENERATING STATION

EXERCISE REVIEW COMMENT RESOLUTION

October 2, 1997

Reference August 29, 1997 letter from Cyrus K. Anderson (SCE) to Linda Vasta-Huerta (FEMA) regarding October 28, 1997 Emergency Plan Exercise.

The referenced letter transmitted the scenario and data for the San Onofre Nuclear Generating Station October 28, 1997 Emergency Plan Exercise. This material was reviewed by Mr. Joe H. Keller, and comments were returned to SCE for resolution. These comments and their resolution are listed below.

1) Comment: Offsite radiation data had inconsistencies between waist level readings and ground level readings. Also, data identified as "up to 1 mile" was actually for the "EAB" location.

   Resolution: Offsite data was modified to ensure consistency between waist level readings and ground level readings. Also, an editorial change was made to properly identify the EAB readings.

2) Comment: Cue Card #6 had an inconsistency between controller directions and a public address announcement for the General Emergency. Also, Cue Card #42 page 2 did not seem appropriate for the context of the cue card.

   Resolution: Controller instructions in Cue Card #6 were revised to be consistent with the public address announcement, and Cue Card #42 page two was deleted.

3) Comment: The protective action recommendation (PAR) to shelter at the general emergency is not appropriate for an exercise. Conditions should require a PAR to evacuate.

   Resolution: The release rate was increased to achieve higher offsite doses. This established conditions that would make a protective action recommendation to evacuate appropriate.

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SUMMARY SECTION

Remove page 5 and replace with the following page.

SUMMARY (Continued)

FAILURE OF CONTAINMENT PENETRATION

At t=1200, the containment penetration for the auxiliary feedwater line to steam generator 2E088 aux feed penetration begins to leak. This causes a ground level, unmonitored release of radioactive material from the containment to the atmosphere. The release will be discovered by a roving HP technician surveying outside containment, and will be reported to the OSC and TSC. Offsite teams will track the plume. Analysis of airborne samples collected in the center of the plume at the Exclusion Area Boundary will indicate 2400 DACs of Noble Gas and 252 DACs of Iodine. Calculation from these field monitoring readings will estimate a release rate of 17 Ci/sec of noble gas, and 2.1 E-1 Ci/sec of iodine, and a maximum dose of 360 mRem TEDE and 7480 mRem CDE in one hour at the Exclusion Area Boundary (EAB) at t=1237.

The release from containment, in conjunction with the LOCA and fuel damage meets the criteria for a GENERAL EMERGENCY in accordance with EAL B4-1. When the Station Emergency Director declares the GENERAL EMERGENCY, he will also direct that non-emergency response personnel evacuate the site. A prepared public address announcement will be made that directs non-emergency response personnel to continue with their normal duties. The evacuation will be simulated.

Based upon emergency class, plant conditions, and the estimated time to stop the release, the protective action recommendation from Edison should be to continue to evacuate the state beach, and to evacuate all sectors in the 10 mile emergency planning zone (EPZ). This PAR may be modified based on engineering judgment of potential plant conditions.

When the offsite jurisdictions receive the PAR from SCE, they will consult with ODAC and decide upon a protective action to be implemented. Within 15 minutes of this decision, an EAS message will be agreed upon and transmitted (simulated) to the broadcast stations with instructions to broadcast the message on cue after the Community Alert Siren System is sounded (also simulated).

LOSS OF CONTAINMENT SPRAY

At t=1250 the lower motor bearing on the train A containment spray pump 2P012 will fail due to a loss of lube oil. This occurs as a result of a faulty oil seal. The pump shaft will seize and the motor will trip on overcurrent. This removes from service the last train of containment spray, and prevents the further removal of iodine from the containment atmosphere. The participants will respond by continuing to attempt repairs to the train A containment spray isolation valve. Attempts to repair the seized pump should be deferred because of the radiation levels in the pump room subsequent to the recirculation actuation signal.

EXERCISE TERMINATION

The exercise will be terminated at approximately t=1400 when all objectives have been evaluated. Termination will be followed by debriefing at all facilities.

CUE CARDS

Remove pages 25, 78, and 79, and replace with the following pages.

CUE CARD #6 (page 4 of 5)

If a GENERAL EMERGENCY is declared, replace the SO23-VIII-30, Attachment 1, (pg 3 of 3) SUBSEQUENT DECLARATIONS prepared by the participant with this page.

EMERGENCY CLASS STATUS

"Attention all Personnel! Attention all Personnel! THIS IS A DRILL, THIS IS A DRILL."

"A(n)
[ ] Unusual Event
*[ ] Alert
*[ ] Site Area Emergency
*[X] General Emergency

[X] has been declared
[ ] is in progress
[ ] has been closed out
[ ] has been declared and closed out

at Unit 2."

*** (Siren Activation Required for Alert or Higher)**

EMERGENCY RESPONSE ACTIONS

"ALL EMERGENCY RESPONSE PERSONNEL:
[ ] report to your emergency duty stations."
[X] remain at

"All NON-EMERGENCY RESPONSE PERSONNEL continue with your normal duties. No response is required."

"THIS IS A DRILL. THIS IS A DRILL."

UNIT 1 CONTROLLER: Perform the following **Perimeter Page** twice:

"Attention on the beach! This is a drill. Please disregard the sirens at San Onofre. This is only a drill."

Record Time PA Completed:_____ Record Time Beach PA Completed:_____

CUE CARD # 42

OVERVIEW

CC#	TIMING	DISTRIBUTION		EVENT DESCRIPTION	ANTICIPATED RESPONSE
42	1205	SPF OSC WEBB FOWLER RICHARDS DALE	GIANNELL DAVIS GUTELL AUSTIN	Security Processing Facility exit portal monitors alarm due to plume.	1. Security notify OSC Security Coordinator. 2. HP surveys, tracks plume 3. SED notified, declares GE (B4-1)

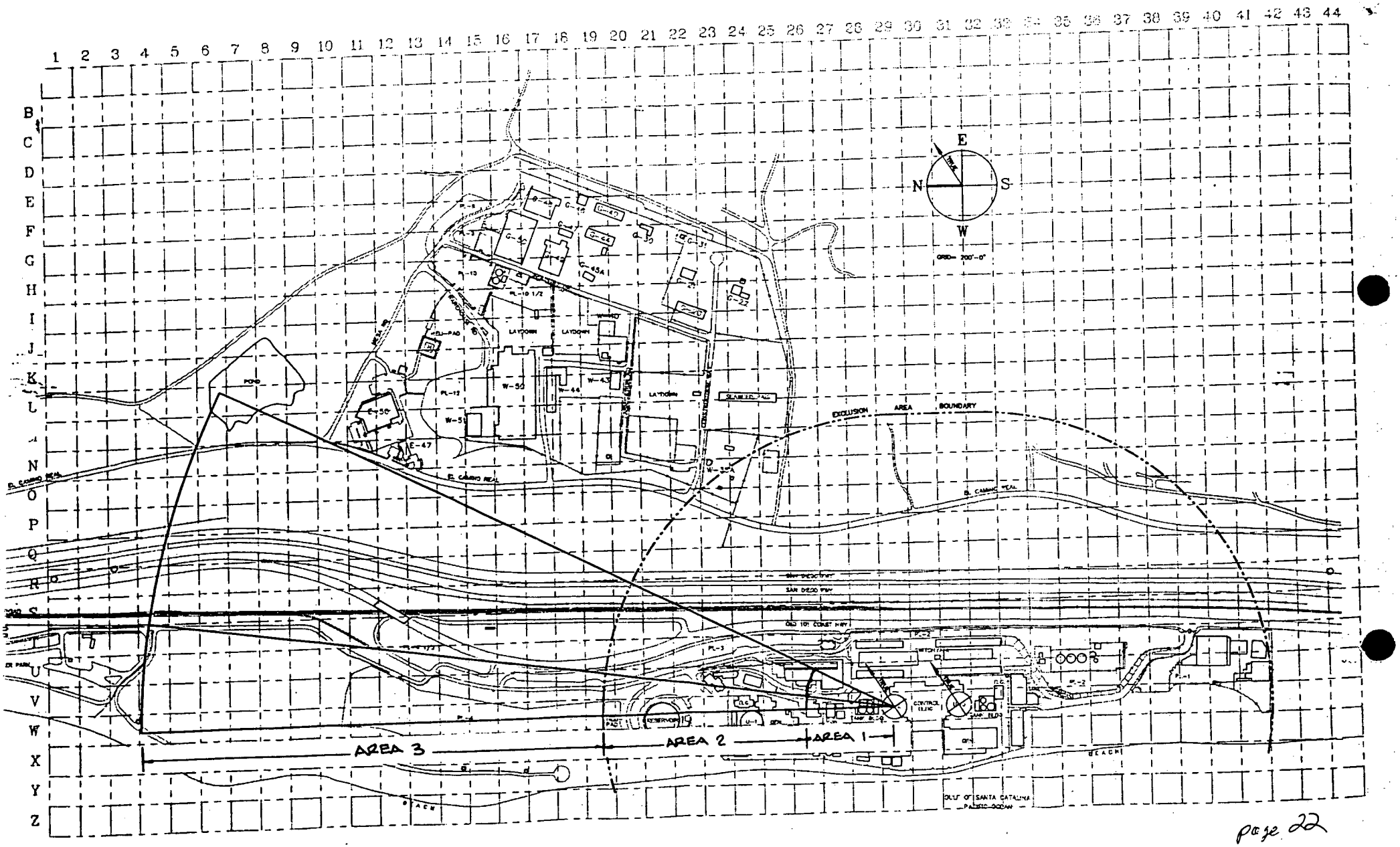
CONTROLLER INSTRUCTIONS:

1. Place one exit portal monitors in alarm test.
2. When security officers investigate, reset the alarm and inform them that all monitors and the frisker monitor are alarming and will not reset.
3. Ensure that the HP Player in the SPF is aware of this condition.
4. Provide radiation data to HP Players as it is earned, in accordance with the prepared survey maps.
5. Ensure that conditions in the SPF are reported to the OSC Security and the OSC HP Coordinators.
6. Inform the security officers that no further response is required unless directed by their supervision.

Page 2 of 2 for Cue Card 42 has been deleted. Please replace it with this page.

HP SURVEY DATA - ONSITE

Remove pages 22 through 32 and replace with the following pages.


EXCLUSION AREA BOUNDARY
AREA 3
AREA 2
AREA 1
E
N
S
W
EL CAMINO REAL
SAN DIEGO FWY
OLD 101 COAST HWY
BEACH

Site Map Area 1 - From Containment Building Wall to North side of SPF, values are at the Containment Building. Values decrease to the Site Map Area 2 values.

Time	08:00 to 09:59	10:00 AM	10:15 AM	10:30 AM	10:45 AM	11:00 AM	11:15 AM	11:30 AM	11:45 AM	12:00 PM	12:15 PM	12:30 PM	12:45 PM	01:00 PM	01:15 PM	01:30 PM	01:45 PM	02:00 PM
1 meter mr/hr-Closed Window	AR	1.14E-02	5.41E-01	1.07E+00	1.11E+00	1.13E+00	1.14E+00	1.15E+00	1.29E+00	4.50E+00	6.90E+01	8.00E+01	6.40E+01	7.30E+01	6.35E+01	4.10E+01	6.35E+01	9.40E+01
1 meter mr/hr-Open Window	AR	1.99E-02	9.46E-01	1.88E+00	1.94E+00	1.97E+00	1.99E+00	2.01E+00	2.25E+00	1.06E+01	1.63E+02	1.89E+02	1.51E+02	1.72E+02	1.50E+02	9.68E+01	1.50E+02	2.22E+02
Ground (2") mr/hr-no DACS	AR	1.57E-02	7.47E-01	1.48E+00	1.53E+00	1.55E+00	1.57E+00	1.58E+00	1.78E+00	2.70E+00	1.84E+01	1.48E+02	1.59E+02	2.61E+02	2.74E+02	2.76E+02	2.94E+02	5.76E+02
Ground (2") cpm-no DACS	AR	2.67E+03	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
Ground (2") mr/hr-DACS	AR	2.75E-02	1.31E+00	2.60E+00	2.68E+00	2.72E+00	2.75E+00	2.77E+00	3.11E+00	4.72E+00	4.32E+01	3.48E+02	3.73E+02	6.12E+02	6.43E+02	6.49E+02	6.90E+02	1.35E+03
Ground (2") cpm-DACS	AR	6.82E+04	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
DACS-I	AR	2.65E+01	2.22E+01	2.31E+01	4.65E+01	3.74E+01	2.65E+01	1.81E+01	6.41E+00	2.32E+02	3.53E+03	4.20E+03	2.58E+03	3.36E+03	3.53E+03	2.24E+03	5.15E+03	9.52E+03
DACS-NG	AR	4.96E+00	5.59E+00	8.12E+00	2.41E+01	2.93E+01	3.85E+01	6.15E+01	2.71E+01	2.04E+03	3.35E+04	4.70E+04	3.42E+04	4.55E+04	3.40E+04	1.69E+04	3.31E+04	5.43E+04
DACS-PART	AR	3.42E-01	3.85E-01	5.60E-01	1.66E+00	2.02E+00	2.66E+00	4.24E+00	1.87E+00	1.41E+02	2.31E+03	3.25E+03	2.36E+03	3.14E+03	2.35E+03	1.17E+03	2.28E+03	3.75E+03
Smear-mr/hr	AR	7.33E-02	3.49E+00	6.93E+00	7.15E+00	7.26E+00	7.34E+00	7.40E+00	8.31E+00	1.26E+01	8.59E+01	6.91E+02	7.40E+02	1.22E+03	1.28E+03	1.29E+03	1.37E+03	2.69E+03
Smear-cpm	AR	2.20E+03	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
48 liter cartridge	AR	3.31E-02	1.17E+00	9.60E-01	5.04E-02	2.44E-02	1.73E-02	2.69E-01	1.59E-01	6.67E-01	1.09E+01	8.08E+01	6.36E+00	5.79E+01	7.17E+00	1.43E+00	9.38E+00	1.45E+02
Filter mr/hr	AR	6.20E-04	6.99E-04	1.02E-03	3.01E-03	3.67E-03	4.82E-03	7.69E-03	3.39E-03	2.56E-01	4.19E+00	5.89E+00	4.28E+00	5.70E+00	4.25E+00	2.12E+00	4.14E+00	6.80E+00
Filter cpm	AR	1.86E+01	2.10E+01	3.05E+01	9.04E+01	1.10E+02	1.44E+02	2.31E+02	1.02E+02	7.67E+03	***	***	***	***	***	***	***	***
200 liter cartridge	AR	8.93E-02	3.14E+00	2.55E+00	1.34E-01	6.45E-02	4.58E-02	7.10E-01	4.18E-01	1.76E+00	2.88E+01	2.13E+02	1.67E+01	1.52E+02	1.88E+01	3.75E+00	2.46E+01	3.80E+02
200 liter Filter mr/hr	AR	1.67E-03	1.87E-03	2.70E-03	7.99E-03	9.72E-03	1.27E-02	2.03E-02	8.93E-03	6.74E-01	1.10E+01	1.55E+01	1.13E+01	1.50E+01	1.12E+01	5.56E+00	1.09E+01	1.78E+01
200 liter Filter cpm	AR	5.02E+01	5.60E+01	8.10E+01	2.40E+02	2.91E+02	3.82E+02	6.09E+02	2.68E+02	2.02E+04	***	***	***	***	***	***	***	***

Site Map Area 2 - From the north side of the SPF to the EAB. Values are at the north side of the SPF and decrease to the Site Map Area 3 values.

Time	08:00 to 09:59	10:00 AM	10:15 AM	10:30 AM	10:45 AM	11:00 AM	11:15 AM	11:30 AM	11:45 AM	12:00 PM	12:15 PM	12:30 PM	12:45 PM	01:00 PM	01:15 PM	01:30 PM	01:45 PM	02:00 PM
1 meter mr/hr-Closed Window	AR	1.06E-03	5.03E-02	1.00E-01	1.03E-01	1.05E-01	1.06E-01	1.07E-01	1.20E-01	2.25E+00	3.45E+01	4.00E+01	3.20E+01	3.65E+01	3.18E+01	2.05E+01	3.18E+01	4.70E+01
1 meter mr/hr-Open Window	AR	1.85E-03	8.80E-02	1.75E-01	1.80E-01	1.83E-01	1.85E-01	1.87E-01	2.10E-01	5.31E+00	8.14E+01	9.44E+01	7.55E+01	8.61E+01	7.49E+01	4.84E+01	7.49E+01	1.11E+02
Ground (2") mr/hr-no DACS	AR	1.46E-03	6.94E-02	1.38E-01	1.42E-01	1.44E-01	1.46E-01	1.47E-01	1.65E-01	2.51E-01	1.71E+00	1.38E+01	1.47E+01	2.42E+01	2.54E+01	2.57E+01	2.73E+01	5.36E+01
Ground (2") cpm-no DACS	AR	2.48E+02	1.18E+04	2.35E+04	2.42E+04	2.46E+04	2.49E+04	2.51E+04	2.81E+04	4.27E+04	***	***	***	***	***	***	***	***
Ground (2") mr/hr-DACS	AR	2.56E-03	1.22E-01	2.42E-01	2.49E-01	2.53E-01	2.56E-01	2.58E-01	2.89E-01	4.39E-01	4.02E+00	3.23E+01	3.46E+01	5.69E+01	5.98E+01	6.03E+01	6.42E+01	1.26E+02
Ground (2") cpm-DACS	AR	6.58E+04	***	***	7.37E+04	6.55E+04	8.46E+04	***	***	***	***	***	***	***	***	***	***	***
DACS-I	AR	1.33E+01	1.11E+01	1.15E+01	2.32E+01	1.87E+01	1.33E+01	9.03E+00	3.21E+00	1.16E+02	1.76E+03	2.10E+03	1.29E+03	1.68E+03	1.76E+03	1.12E+03	2.58E+03	4.76E+03
DACS-NG	AR	4.96E+00	2.79E+00	4.06E+00	1.20E+01	1.47E+01	1.92E+01	3.07E+01	1.35E+01	1.02E+03	1.67E+04	2.35E+04	1.71E+04	2.28E+04	1.70E+04	8.47E+03	1.65E+04	2.72E+04
DACS-PART	AR	3.4E-01	1.9E-01	2.8E-01	8.3E-01	1.0E+00	1.3E+00	2.1E+00	9.3E-01	7.0E+01	1.2E+03	1.6E+03	1.2E+03	1.6E+03	1.2E+03	5.8E+02	1.1E+03	1.9E+03
Smear-mr/hr	AR	6.82E-03	3.24E-01	6.45E-01	6.65E-01	6.75E-01	6.83E-01	6.88E-01	7.73E-01	1.17E+00	7.99E+00	6.43E+01	6.89E+01	1.13E+02	1.19E+02	1.20E+02	1.28E+02	2.50E+02
Smear-cpm	AR	2.05E+02	9.73E+03	1.93E+04	1.99E+04	2.02E+04	2.05E+04	2.06E+04	2.32E+04	***	***	***	***	***	***	***	***	***
48 liter cartridge	AR	1.88E-01	1.16E-01	9.90E-02	1.71E-01	1.22E-01	7.79E-02	4.85E-02	1.59E-02	5.36E-01	7.66E+00	8.16E+00	4.76E+00	5.93E+00	5.97E+00	3.64E+00	8.05E+00	1.43E+01
Filter mr/hr	AR	6.20E-04	3.49E-04	5.08E-04	1.51E-03	1.84E-03	2.41E-03	3.85E-03	1.69E-03	1.28E-01	2.09E+00	2.94E+00	2.14E+00	2.85E+00	2.13E+00	1.06E+00	2.07E+00	3.40E+
Filter cpm	AR	1.86E+01	1.05E+01	1.52E+01	4.52E+01	5.51E+01	7.22E+01	1.15E+02	5.08E+01	3.83E+03	***	***	***	***	***	***	***	***
200 liter cartridge	AR	5.07E-01	3.11E-01	2.63E-01	4.54E-01	3.23E-01	2.06E-01	1.28E-01	4.20E-02	1.41E+00	2.02E+01	2.15E+01	1.25E+01	1.56E+01	1.57E+01	9.55E+00	2.11E+01	3.77E+01
200 liter Filter mr/hr	AR	1.67E-03	9.34E-04	1.35E-03	3.99E-03	4.86E-03	6.36E-03	1.01E-02	4.46E-03	3.37E-01	5.51E+00	7.74E+00	5.63E+00	7.49E+00	5.59E+00	2.78E+00	5.43E+00	8.92E+00
200 liter Filter cpm	AR	5.02E+01	2.80E+01	4.05E+01	1.20E+02	1.46E+02	1.91E+02	3.04E+02	1.34E+02	1.01E+04	***	***	***	***	***	***	***	***

Site Map Area 3 - From EAB to 1 mile. Values are at the EAB and decrease to the 1 mile values. **The 1 mile values are one/third of the EAB values.**

Time	08:00 to 10:06	10:07 AM	10:22 AM	10:37 AM	10:52 AM	11:07 AM	11:22 AM	11:37 AM	11:52 AM	12:07 PM	12:22 PM	12:37 PM	12:52 PM	01:07 PM	01:22 PM	01:37 PM	01:52 PM	02:07 PM
1 meter mr/hr-Closed Window	AR	2.59E-03	1.02E-02	1.79E-02	3.33E-02	4.55E-02	5.41E-02	5.98E-02	6.19E-02	9.00E-01	1.38E+01	1.60E+01	1.28E+01	1.46E+01	1.27E+01	8.20E+00	1.27E+01	1.88E+01
1 meter mr/hr-Open Window	AR	4.53E-03	1.78E-02	3.14E-02	5.83E-02	7.97E-02	9.47E-02	1.05E-01	1.08E-01	2.12E+00	3.26E+01	3.78E+01	3.02E+01	3.45E+01	3.00E+01	1.94E+01	3.00E+01	4.44E+01
Ground (2") mr/hr-no DACS	AR	3.57E-03	1.41E-02	2.48E-02	4.60E-02	6.29E-02	7.47E-02	8.26E-02	8.54E-02	1.90E-01	1.76E+00	3.61E+00	4.73E+00	6.17E+00	7.68E+00	8.62E+00	1.08E+01	1.47E+0
Ground (2") cpm-no DACS	AR	6.08E+02	2.39E+03	4.21E+03	7.83E+03	1.07E+04	1.27E+04	1.41E+04	1.45E+04	3.23E+04	***	***	***	***	***	***	***	***
Ground (2") mr/hr-DACS	AR	6.25E-03	2.46E-02	4.33E-02	8.05E-02	1.10E-01	1.31E-01	1.45E-01	1.49E-01	3.32E-01	4.15E+00	8.49E+00	1.11E+01	1.45E+01	1.80E+01	2.03E+01	2.54E+01	3.46E+01
Ground (2") cpm-DACS	AR	5.37E+04	6.22E+04	9.12E+04	***	***	***	***	***	***	***	***	***	***	***	***	***	***
DACS-I	AR	1.89E+00	1.59E+00	1.65E+00	3.32E+00	2.67E+00	1.89E+00	1.29E+00	4.58E-01	1.66E+01	2.52E+02	3.00E+02	1.84E+02	2.40E+02	2.52E+02	1.60E+02	3.68E+02	6.80E+02
DACS-NG	AR	3.54E-01	3.99E-01	5.80E-01	1.72E+00	2.10E+00	2.75E+00	4.39E+00	1.93E+00	1.46E+02	2.39E+03	3.36E+03	2.45E+03	3.25E+03	2.43E+03	1.21E+03	2.36E+03	3.88E+03
DACS-PART	AR	2.4E-02	2.8E-02	4.0E-02	1.2E-01	1.4E-01	1.9E-01	3.0E-01	1.3E-01	1.0E+01	1.6E+02	2.3E+02	1.7E+02	2.2E+02	1.7E+02	8.3E+01	1.6E+02	2.7E+02
Smear-mr/hr	AR	1.67E-02	6.56E-02	1.16E-01	2.15E-01	2.94E-01	3.49E-01	3.86E-01	3.99E-01	8.87E-01	8.24E+00	1.69E+01	2.21E+01	2.88E+01	3.59E+01	4.03E+01	5.04E+01	6.87E+01
Smear-cpm	AR	5.01E+02	1.97E+03	3.47E+03	6.45E+03	8.81E+03	1.05E+04	1.16E+04	1.20E+04	2.66E+04	***	***	***	***	***	***	***	***
48 liter cartridge	AR	2.68E-02	1.66E-02	1.41E-02	2.44E-02	1.74E-02	1.11E-02	6.93E-03	2.27E-03	7.66E-02	1.09E+00	1.17E+00	6.80E-01	8.48E-01	8.52E-01	5.20E-01	1.15E+00	2.05E+00
Filter mr/hr	AR	4.43E-05	4.99E-05	7.25E-05	2.15E-04	2.62E-04	3.44E-04	5.49E-04	2.42E-04	1.83E-02	2.99E-01	4.20E-01	3.06E-01	4.07E-01	3.04E-01	1.51E-01	2.95E-01	4.85E-01
Filter cpm	AR	1.33E+00	1.50E+00	2.18E+00	6.45E+00	7.87E+00	1.03E+01	1.65E+01	7.26E+00	5.48E+02	8.97E+03	1.26E+04	9.18E+03	1.22E+04	9.11E+03	4.54E+03	8.86E+03	1.46E+04
200 liter cartridge	AR	7.24E-02	4.44E-02	3.76E-02	6.48E-02	4.61E-02	2.94E-02	1.83E-02	6.00E-03	2.02E-01	2.88E+00	3.07E+00	1.79E+00	2.23E+00	2.24E+00	1.36E+00	3.02E+00	5.38E+00
200 liter Filter mr/hr	AR	1.19E-04	1.33E-04	1.93E-04	5.71E-04	6.94E-04	9.09E-04	1.45E-03	6.38E-04	4.81E-02	7.87E-01	1.11E+00	8.05E-01	1.07E+00	7.98E-01	3.97E-01	7.76E-01	1.27E+00
200 liter Filter cpm	AR	3.58E+00	4.00E+00	5.79E+00	1.71E+01	2.08E+01	2.73E+01	4.35E+01	1.91E+01	1.44E+03	2.36E+04	***	2.41E+04	***	2.39E+04	1.19E+04	2.33E+04	***

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HP SURVEY DATA - OFFSITE

Remove pages 1 through 16 and replace with the following pages.

ODAC SURVEY DATA

10:07 AM

	EAB
Edge - Probe Open (Ground) - Box 1	0.0
Edge - Probe Closed (Ground) - Box 2	0.0
Edge - Probe Open (Waist) - Box 3	0.0
Edge - Probe Closed (Waist) - Box 4	0.0
Edge - Contamination (Fixed) - Box 5	0.0
Edge - Contamination (Removable) - Box 6	0.0
Edge - Air Sample Background - Box 7	50
Edge - Air Sample Filter/Cartridge - Box 8	50
Edge - Air Sample Cartridge Only - Box 9	50
Offaxis - Probe Open (Ground) - Box 1	0.5
Offaxis - Probe Closed (Ground) - Box 2	0.4
Offaxis - Probe Open (Waist) - Box 3	0.1
Offaxis - Probe Closed (Waist) - Box 4	0.1
Offaxis - Contamination (Fixed) - Box 5	0.1
Offaxis - Contamination (Removable) - Box 6	0.1
Offaxis - Air Sample Background - Box 7	50
Offaxis - Air Sample Filter/Cartridge - Box 8	50
Offaxis - Air Sample Cartridge Only - Box 9	50
Centerline - Probe Open (Ground) - Box 1	1.1
Centerline - Probe Closed (Ground) - Box 2	0.7
Centerline - Probe Open (Waist) - Box 3	0.2
Centerline - Probe Closed (Waist) - Box 4	0.1
Centerline - Contamination (Fixed) - Box 5	0.2
Centerline - Contamination (Removable) - Box 6	0.1
Centerline - Air Sample Background - Box 7	50
Centerline - Air Sample Filter/Cartridge - Box 8	51
Centerline - Air Sample Cartridge Only - Box 9	51

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

10:22 AM

	EAB	1 Mile
Edge - Probe Open (Ground) - Box 1	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.0	0.0
Edge - Air Sample Background - Box 7	50	50
Edge - Air Sample Filter/Cartridge - Box 8	50	50
Edge - Air Sample Cartridge Only - Box 9	50	50
Offaxis - Probe Open (Ground) - Box 1	0.4	0.2
Offaxis - Probe Closed (Ground) - Box 2	0.3	0.1
Offaxis - Probe Open (Waist) - Box 3	0.1	0.1
Offaxis - Probe Closed (Waist) - Box 4	0.1	0.0
Offaxis - Contamination (Fixed) - Box 5	0.2	0.0
Offaxis - Contamination (Removable) - Box 6	0.1	0.0
Offaxis - Air Sample Background - Box 7	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	50	50
Offaxis - Air Sample Cartridge Only - Box 9	50	50
Centerline - Probe Open (Ground) - Box 1	0.8	0.4
Centerline - Probe Closed (Ground) - Box 2	0.5	0.3
Centerline - Probe Open (Waist) - Box 3	0.2	0.1
Centerline - Probe Closed (Waist) - Box 4	0.1	0.0
Centerline - Contamination (Fixed) - Box 5	0.4	0.1
Centerline - Contamination (Removable) - Box 6	0.2	0.0
Centerline - Air Sample Background - Box 7	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	51	50
Centerline - Air Sample Cartridge Only - Box 9	51	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

10:37 AM

	EAB	1 Mile	2 Miles
Edge - Probe Open (Ground) - Box 1	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	50	50	50
Edge - Air Sample Cartridge Only - Box 9	50	50	50
Offaxis - Probe Open (Ground) - Box 1	0.5	0.1	0.1
Offaxis - Probe Closed (Ground) - Box 2	0.3	0.1	0.0
Offaxis - Probe Open (Waist) - Box 3	0.1	0.1	0.1
Offaxis - Probe Closed (Waist) - Box 4	0.1	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	0.3	0.1	0.0
Offaxis - Contamination (Removable) - Box 6	0.2	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	50	50	50
Centerline - Probe Open (Ground) - Box 1	0.9	0.3	0.1
Centerline - Probe Closed (Ground) - Box 2	0.6	0.2	0.1
Centerline - Probe Open (Waist) - Box 3	0.2	0.1	0.1
Centerline - Probe Closed (Waist) - Box 4	0.1	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	0.5	0.1	0.0
Centerline - Contamination (Removable) - Box 6	0.3	0.1	0.0
Centerline - Air Sample Background - Box 7	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	51	50	50
Centerline - Air Sample Cartridge Only - Box 9	51	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

10:52 AM

	EAB	1 Mile	2 Miles	3 Miles
Edge - Probe Open (Ground) - Box 1	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	50	50	50	50
Offaxis - Probe Open (Ground) - Box 1	0.9	0.2	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	0.6	0.1	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	0.1	0.1	0.1	0.1
Offaxis - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	0.4	0.1	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	0.2	0.1	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	51	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	51	50	50	50
Centerline - Probe Open (Ground) - Box 1	1.8	0.3	0.1	0.1
Centerline - Probe Closed (Ground) - Box 2	1.2	0.2	0.1	0.1
Centerline - Probe Open (Waist) - Box 3	0.2	0.1	0.1	0.1
Centerline - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	0.7	0.2	0.0	0.0
Centerline - Contamination (Removable) - Box 6	0.4	0.1	0.0	0.0
Centerline - Air Sample Background - Box 7	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	52	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	52	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

11:07 AM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles
Edge - Probe Open (Ground) - Box 1	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	50	50	50	50	50
Offaxis - Probe Open (Ground) - Box 1	0.7	0.3	0.1	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	0.5	0.2	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	0.1	0.1	0.1	0.1	0.1
Offaxis - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	0.4	0.1	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	0.3	0.1	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	51	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	51	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	1.4	0.7	0.1	0.1	0.1
Centerline - Probe Closed (Ground) - Box 2	0.9	0.5	0.1	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	0.2	0.1	0.1	0.1	0.1
Centerline - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	0.9	0.3	0.1	0.0	0.0
Centerline - Contamination (Removable) - Box 6	0.5	0.2	0.0	0.0	0.0
Centerline - Air Sample Background - Box 7	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	52	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	52	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

11:22 AM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles	5 Miles
Edge - Probe Open (Ground) - Box 1	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	50	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	50	50	50	50	50	50
Offaxis - Probe Open (Ground) - Box 1	0.5	0.3	0.1	0.0	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	0.3	0.2	0.1	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	0.1	0.0	0.1	0.1	0.0	0.0
Offaxis - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	0.5	0.2	0.0	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	0.3	0.1	0.0	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	51	50	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	51	50	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	0.9	0.5	0.2	0.1	0.0	0.0
Centerline - Probe Closed (Ground) - Box 2	0.6	0.3	0.1	0.1	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	0.2	0.1	0.1	0.1	0.0	0.0
Centerline - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	1.1	0.3	0.1	0.0	0.0	0.0
Centerline - Contamination (Removable) - Box 6	0.6	0.2	0.0	0.0	0.0	0.0
Centerline - Air Sample Background - Box 7	50	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	51	50	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	51	50	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

11:37 AM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles	5 Miles	6 Miles
Edge - Probe Open (Ground) - Box 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	50	50	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	50	50	50	50	50	50	50
Offaxis - Probe Open (Ground) - Box 1	0.3	0.2	0.1	0.1	0.0	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	0.2	0.1	0.1	0.1	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Offaxis - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	0.6	0.2	0.1	0.0	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	0.4	0.1	0.0	0.0	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	50	50	50	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	50	50	50	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	0.6	0.3	0.2	0.2	0.0	0.0	0.0
Centerline - Probe Closed (Ground) - Box 2	0.4	0.2	0.1	0.1	0.0	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	0.2	0.1	0.1	0.1	0.0	0.0	0.0
Centerline - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	1.2	0.4	0.1	0.1	0.0	0.0	0.0
Centerline - Contamination (Removable) - Box 6	0.7	0.2	0.1	0.0	0.0	0.0	0.0
Centerline - Air Sample Background - Box 7	50	50	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	51	50	50	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	51	50	50	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

11:52 AM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles	5 Miles	6 Miles	7 Miles
Edge - Probe Open (Ground) - Box 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	50	50	50	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	50	50	50	50	50	50	50	50
Offaxis - Probe Open (Ground) - Box 1	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Offaxis - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	0.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	50	50	50	50	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	50	50	50	50	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	0.6	0.2	0.1	0.1	0.1	0.0	0.0	0.0
Centerline - Probe Closed (Ground) - Box 2	0.4	0.2	0.1	0.1	0.1	0.0	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Centerline - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	1.4	0.5	0.1	0.1	0.0	0.0	0.0	0.0
Centerline - Contamination (Removable) - Box 6	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0
Centerline - Air Sample Background - Box 7	50	50	50	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	51	50	50	50	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	51	50	50	50	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

12:07 PM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles	5 Miles	6 Miles	7 Miles	8 Miles
Edge - Probe Open (Ground) - Box 1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	50	50	50	50	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	50	50	50	50	50	50	50	50	50
Offaxis - Probe Open (Ground) - Box 1	6.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	3.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	0.7	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Waist) - Box 4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	1.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	55	50	50	50	50	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	55	50	50	50	50	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	13.7	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Ground) - Box 2	6.5	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	1.5	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Waist) - Box 4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	2.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Removable) - Box 6	1.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Centerline - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	60	50	50	50	50	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	60	50	50	50	50	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

12:22 PM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles	5 Miles	6 Miles	7 Miles	8 Miles	9 Miles
Edge - Probe Open (Ground) - Box 1	2.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	52	50	50	50	50	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	52	50	50	50	50	50	50	50	50	50
Offaxis - Probe Open (Ground) - Box 1	103.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	49.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	16.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Waist) - Box 4	6.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	5.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	3.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	125	51	50	50	50	50	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	125	51	50	50	50	50	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	206.6	5.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Ground) - Box 2	98.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	32.4	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Waist) - Box 4	13.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	10.9	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Removable) - Box 6	6.2	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	200	52	50	50	50	50	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	200	52	50	50	50	50	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
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6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

12:37 PM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles	5 Miles	6 Miles	7 Miles	8 Miles	9 Miles	10 Miles
Edge - Probe Open (Ground) - Box 1	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	52	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	52	50	50	50	50	50	50	50	50	50	[redacted]
Offaxis - Probe Open (Ground) - Box 1	122.4	40.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	58.3	19.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	18.8	6.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Waist) - Box 4	8.0	2.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	10.6	2.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	6.1	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	139	66	50	50	50	50	50	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	139	66	50	50	50	50	50	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	244.9	80.0	1.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Ground) - Box 2	116.6	38.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	37.7	12.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Waist) - Box 4	16.0	5.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	21.2	4.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Removable) - Box 6	12.1	2.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	[redacted]
Centerline - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	228	82	50	50	50	50	50	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	228	82	50	50	50	50	50	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

12:52 PM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles	5 Miles	6 Miles	7 Miles	8 Miles	9 Miles	10 Miles
Edge - Probe Open (Ground) - Box 1	1.5	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	0.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	51	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	51	50	50	50	50	50	50	50	50	50	[redacted]
Offaxis - Probe Open (Ground) - Box 1	74.0	47.4	12.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	35.3	22.6	6.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	15.0	7.3	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Waist) - Box 4	6.4	3.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	13.7	4.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	7.9	2.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	104	69	53	50	50	50	50	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	104	69	53	50	50	50	50	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	148.1	94.7	25.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Ground) - Box 2	70.5	45.1	12.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	30.1	14.6	4.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Waist) - Box 4	12.8	6.2	1.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	27.5	8.2	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Removable) - Box 6	15.7	4.7	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	[redacted]
Centerline - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	159	88	56	50	50	50	50	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	159	88	56	50	50	50	50	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

01:07 PM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles	5 Miles	6 Miles	7 Miles	8 Miles	9 Miles	10 Miles
Edge - Probe Open (Ground) - Box 1	1.9	0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	0.9	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	51	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	51	50	50	50	50	50	50	50	50	50	50
Offaxis - Probe Open (Ground) - Box 1	96.8	28.6	15.2	9.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	46.1	13.6	7.2	4.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	17.2	5.8	2.3	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Waist) - Box 4	7.3	2.5	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	17.9	5.3	1.3	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	10.2	3.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	121	62	54	52	50	50	50	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	121	62	54	52	50	50	50	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	193.6	57.3	30.4	18.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Ground) - Box 2	92.2	27.3	14.5	8.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	34.3	11.6	4.7	2.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Waist) - Box 4	14.6	5.0	2.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	35.7	10.6	2.6	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Removable) - Box 6	20.4	6.1	1.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	192	73	58	54	50	50	50	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	192	73	58	54	50	50	50	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
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6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

01:22 PM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles	5 Miles	6 Miles	7 Miles	8 Miles	9 Miles	10 Miles
Edge - Probe Open (Ground) - Box 1	2.0	0.7	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	1.0	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	51	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	51	50	50	50	50	50	50	50	50	50	[illegible]
Offaxis - Probe Open (Ground) - Box 1	101.0	37.5	9.2	10.8	5.4	0.1	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	48.1	17.8	4.4	5.1	2.6	0.1	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	14.9	6.6	1.9	1.7	0.8	0.1	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Waist) - Box 4	6.3	2.8	0.8	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	22.1	6.9	1.7	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	12.7	3.9	1.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	125	65	52	53	51	50	50	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	125	65	52	53	51	50	50	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	202.0	74.9	18.4	21.6	10.7	0.2	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Ground) - Box 2	96.2	35.7	8.8	10.3	5.1	0.1	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	29.8	13.3	3.7	3.3	1.7	0.1	0.0	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Waist) - Box 4	12.7	5.7	1.6	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	44.3	13.8	3.4	1.9	0.6	0.0	0.0	0.0	0.0	0.0	[illegible]
Centerline - Contamination (Removable) - Box 6	25.3	7.9	2.0	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Centerline - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	200	80	55	55	52	50	50	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	200	80	55	55	52	50	50	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

01:37 PM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles	5 Miles	6 Miles	7 Miles	8 Miles	9 Miles	10 Miles
Edge - Probe Open (Ground) - Box 1	1.3	0.8	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	0.6	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	51	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	51	50	50	50	50	50	50	50	50	50	50
Offaxis - Probe Open (Ground) - Box 1	63.4	39.1	12.0	6.5	6.4	1.6	0.1	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	30.2	18.6	5.7	3.1	3.0	0.8	0.0	0.0	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	9.6	5.8	2.1	1.3	1.0	0.3	0.1	0.0	0.0	0.0	0.0
Offaxis - Probe Closed (Waist) - Box 4	4.1	2.5	0.9	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	24.9	8.6	2.2	1.2	0.6	0.1	0.0	0.0	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	14.2	4.9	1.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	97	66	53	52	51	50	50	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	97	66	53	52	51	50	50	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	126.8	78.2	24.0	13.0	12.7	3.3	0.2	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Ground) - Box 2	60.4	37.2	11.5	6.2	6.1	1.6	0.1	0.0	0.0	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	19.3	11.5	4.3	2.7	2.0	0.5	0.1	0.0	0.0	0.0	0.0
Centerline - Probe Closed (Waist) - Box 4	8.2	4.9	1.8	1.1	0.8	0.2	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	49.7	17.1	4.4	2.4	1.1	0.2	0.0	0.0	0.0	0.0	0.0
Centerline - Contamination (Removable) - Box 6	28.4	9.8	2.5	1.4	0.6	0.1	0.0	0.0	0.0	0.0	0.0
Centerline - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	144	82	56	53	53	50	50	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	144	82	56	53	53	50	50	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
5. Earned information should be given in the format that the player would actually receive it.
6. All other areas not identified indicate background conditions.

ODAC SURVEY DATA

01:52 PM

	EAB	1 Mile	2 Miles	3 Miles	4 Miles	5 Miles	6 Miles	7 Miles	8 Miles	9 Miles	10 Miles
Edge - Probe Open (Ground) - Box 1	2.9	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Ground) - Box 2	1.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Open (Waist) - Box 3	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Probe Closed (Waist) - Box 4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Fixed) - Box 5	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Contamination (Removable) - Box 6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edge - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Filter/Cartridge - Box 8	52	50	50	50	50	50	50	50	50	50	50
Edge - Air Sample Cartridge Only - Box 9	52	50	50	50	50	50	50	50	50	50	[redacted]
Offaxis - Probe Open (Ground) - Box 1	147.1	24.5	12.5	8.5	3.9	1.9	1.3	0.1	0.0	0.0	0.0
Offaxis - Probe Closed (Ground) - Box 2	70.1	11.7	6.0	4.1	1.8	0.9	0.6	0.0	0.0	0.0	0.0
Offaxis - Probe Open (Waist) - Box 3	14.9	3.7	1.9	1.5	0.8	0.3	0.2	0.1	0.0	0.0	0.0
Offaxis - Probe Closed (Waist) - Box 4	6.3	1.6	0.8	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0
Offaxis - Contamination (Fixed) - Box 5	31.1	9.6	2.7	1.6	0.7	0.2	0.1	0.0	0.0	0.0	0.0
Offaxis - Contamination (Removable) - Box 6	17.8	5.5	1.6	0.9	0.4	0.1	0.0	0.0	0.0	0.0	0.0
Offaxis - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Offaxis - Air Sample Filter/Cartridge - Box 8	160	60	53	52	51	50	50	50	50	50	50
Offaxis - Air Sample Cartridge Only - Box 9	160	60	53	52	51	50	50	50	50	50	50
Centerline - Probe Open (Ground) - Box 1	294.2	49.1	25.1	17.1	7.7	3.9	2.6	0.1	0.0	0.0	0.0
Centerline - Probe Closed (Ground) - Box 2	140.1	23.4	11.9	8.1	3.7	1.9	1.3	0.1	0.0	0.0	0.0
Centerline - Probe Open (Waist) - Box 3	29.8	7.5	3.7	3.0	1.6	0.6	0.4	0.1	0.0	0.0	0.0
Centerline - Probe Closed (Waist) - Box 4	12.7	3.2	1.6	1.3	0.7	0.3	0.2	0.0	0.0	0.0	0.0
Centerline - Contamination (Fixed) - Box 5	62.1	19.2	5.5	3.1	1.4	0.3	0.1	0.0	0.0	0.0	[redacted]
Centerline - Contamination (Removable) - Box 6	35.5	11.0	3.1	1.8	0.8	0.2	0.1	0.0	0.0	0.0	0.0
Centerline - Air Sample Background - Box 7	50	50	50	50	50	50	50	50	50	50	50
Centerline - Air Sample Filter/Cartridge - Box 8	270	70	56	54	52	50	50	50	50	50	50
Centerline - Air Sample Cartridge Only - Box 9	270	70	56	54	52	50	50	50	50	50	50

1. Values for boxes 1-6 are in mr/hr.
2. Values for boxes 7-9 are in cpm.
3. Values for box 7 assumes the survey was made outside of the plume. Use a value of 200 if the measurement was taken in the plume.
4. Values for boxes 8 and 9 are for air samples taken in the plume, but counted outside of the plume. Use the values from the area where the sample was taken.
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