

# SUPPORTING TABLES

## ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE: 1999

Appendix A. Work Force by Gender, Age, and Job Category

	Women					Men					
											%
	Age Group					Age Group					
	16 -	30 -	40 -			16 -	30 -	40 -			%
	29	39	49	50 +	Total	29	39	49	50 +	Total	Total
Job Category											
Administrative											
Professional	20	124	229	144	517	53	234	488	405	1180	1697
Technical	1	5	11	6	23	1	22	66	41	130	153
Service	2	3	3	0	8	6	20	15	7	48	56
Security	2	10	16	8	36	18	133	85	36	272	308
Crafts & Manual Labor	6	11	16	6	39	11	89	220	254	574	613
Nuclear	8	16	29	19	72	32	85	187	125	429	501
Other/Unknown	0	0	0	0	0	0	1	1	1	3	3
Total	41	184	324	194	743	124	640	1195	962	2921	3664

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Appendix B. Most Common Job Titles in Each Job Category

ADMINISTRATION	MANAGER ENGINEERING	SR ADMIN TM LEAD COMM REL
ACCOUNTANT	MANAGER ENGINEERING INTEGR	SR ADMINISTRATIVE TEAM LEAD
ACCOUNTING TECHNICIAN	MANAGER ENVIRONMENTAL PROTECT	SR AUDITOR
ADMINISTRATIVE TEAM LEAD	MANAGER FACILITIES	SR BUYER
ADMINISTRATIVE TECHNICIAN	MANAGER FIELD SUPER	SR CLERK
ASSOC ACCOUNTANT	MANAGER FINANCE & ADMIN	SR COMMUNICATION SPECIALIST
ASSOC BUYER	MANAGER FIRE TACTICAL OPER	SR COMPLIANCE SPECIALIST
ASSOC COMMUNICATION SPECIALIST	MANAGER HUMAN RESOURCES	SR COST ANALYST
ASSOC COMPLIANCE SPECIALIST	MANAGER INFORMATION SYSTEM	SR COST ESTIMATOR/SCHEDULER
ASSOC COST ESTIMATOR/SCHEDULER	MANAGER INTERNAL AUDIT	SR COUNSEL
ASSOC FINANCIAL PLANNER	MANAGER LABOR RELATIONS	SR FINANCIAL PLANNER
ASSOC HUMAN RESOURCE SPLST	MANAGER MAINTENANCE	SR HUMAN RESOURCE SPECIALIST
ASSOC MANAGEMENT INTEGRATOR	MANAGER PROCUREMENT	SR MANAGEMENT INTEGRATOR
ASSOC SPECIALIST	MANAGER PROPERTY	SR PAYROLL TECHNICIAN
ASSOC SUBCONTRACT SPECIALIST	MANAGER PUBLIC RELATIONS	SR PLANNER
ASSOC TRAINING SPECIALIST	MANAGER QUALITY ASSURANCE	SR PROCUREMENT SPECIALIST
ASST ACCOUNTANT	MANAGER RISK MGMT	SR PROJECT MANAGER
ASST BUYER	MANAGER SAFETY	SR SECRETARY
ASST COMMUNICATION SPECIALIST	MANAGER TOP GOVT AFFAIRS	SR SHIFT MANAGER
ASST COMPLIANCE SPECIALIST	MANAGER TRAFFIC MANAGEMENT	SR SPECIALIST
ASST GEN COUNSEL ENVIRONMENT	MANAGER TRAINING	SR SPECIALIST DIVERSITY
ASST GENERAL COUNSEL PROCUREMENT	MISSION SUPPORT	SR SPECIALIST LEGAL ASSIST
ASST HUMAN RESOURCE SPECIALIST	PAYROLL TECHNICIAN	SR SUBCONTRACT SPECIALIST
ASST SPECIALIST	PLANNER	SR TRAINING SPECIALIST
ASST TECHNICAL WRITER/EDITOR	PRESIDENT & CEO	SUBCONTRACT SPECIALIST
COMMUNICATION SPECIALIST	PRIN ACCOUNTANT	SUPPORT SUPERVISOR
COMPLIANCE SPECIALIST	PRIN ADMIN TECHNICIAN	TECHNICAL SUPERVISOR
CONTRACT ADMIN SPECIALIST	PRIN ADMINISTRATIVE SPECIALIST	TECHNICAL WRITER/EDITOR
COST ESTIMATOR/SCHEDULER	PRIN AUDITOR	TRAINING SPECIALIST
EXEC VP & CHIEF OPERATING OFF	PRIN BUYER	UNEVALUATED EXEMPT PERSON
EXECUTIVE ADMIN ASSISTANT	PRIN COMMUNICATION SPECIALIST	UNEVALUATED NON EXEMPT
EXECUTIVE ASSISTANT	PRIN COMPLIANCE SPECIALIST	VP & CHIEF FINANCIAL OFFICER
EXECUTIVE SECRETARY	PRIN COST ANALYST	VP & GENERAL COUNSEL
GENERAL COUNSEL	PRIN COST ESTIMATOR/SCHEDULER	VP PLANNING & INTEGRATION
HUMAN RESOURCE SPECIALIST	PRIN HUMAN RESOURCE SPECIALIST	
INSTRUCTOR DEVELOPER	PRIN MANAGEMENT INTEGRATOR	PROFESSIONAL
KEY PERSONNEL	PRIN PLANNER	ASSOC CHEMIST
KEY PERSONNEL TOP STRAT PLNG	PRIN PROCUREMENT SPECIALIST	ASSOC ENGINEERING TECHNOLOGIST
LOGISTICS PROGRAM MGMT	PRIN PROJECT MANAGER	ASSOC FELLOW ENGINEER
MANAGEMENT INTEGRATOR	PRIN SPECIALIST	ENGINEER
MANAGEMENT INTEGRATOR HRIS	PRIN SUBCONTRACT SPECIALIST	ENGINEERING TECHNOLOGIST
MANAGER	PRIN TECHNICAL WRITER/EDITOR	ENVIRONMENTAL ENGINEER
MANAGER BENEFITS	PRIN TRAINING SPECIALIST	HEALTH PHYSICIST
MANAGER BUSINESS PLNG	PROCESS SPECIALIST	INDUSTRIAL HYGIENIST
MANAGER COMPLIANCE & PERF ASSUR	PROCUREMENT SPECIALIST	MECHANICAL ENGINEER
MANAGER CONSTRUCTION	PROGRAM MGR COST REDUCTION	NUCLEAR ENGINEER
MANAGER CONTRACTS	PROJECT MANAGER	NURSE
MANAGER CONTRACTS ADMIN	SECRETARY	OPERATING ENGINEER
MANAGER CONTROLLER	SHIFT MANAGER	PRIN CHEMIST
MANAGER COST ACCOUNTING	SHIFT SUPERINTENDENT	PRIN COMPUTER SYSTEMS ANALYST
MANAGER DIVERSITY	SPECIALIST	PRIN ELECTRICAL ENGINEER
MANAGER DIVISION	SR ACCOUNTANT	PRIN ENGINEER
MANAGER EH&S	SR ACCTNG TECHNICIAN	PRIN ENGINEERING TECHNOLOGIST
MANAGER EMPLOYEE RELATIONS	SR ADMIN TECHNICIAN	PRIN ENVIRONMENTAL ENGINEER

(CONTINUED)

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## Appendix B. Most Common Job Titles in Each Job Category

PRIN ENVIRONMENTAL SCIENTIST	TECHNICAL	CONSTRUCTION SPECIALIST
PRIN GEOLOGIST	ASSOC ENGINEER/TECHNICIAN	DUMP TRUCK DRIVER >104 CUYD
PRIN HEALTH PHYSICIST	EXPERIMENTAL OPERATOR	ELECTRICIAN
PRIN INDUSTRIAL HYGIENIST	NON DESTRUCTIVE TESTING TECH	EXPERIMENTAL MACHINIST
PRIN MECHANICAL ENGINEER	PRN SHIFT TECHNICAL ADVISOR	FOREMAN PAINTERS
PRIN NUCLEAR ENGINEER	RISK REDUCTION TECHNICIAN	FOREMAN TEAMSTERS
PRIN REG COMPLIANCE ENG	SHIFT TECHNICAL ADVISOR	GENERAL FOREMAN CARPENTER
PRIN SAFETY ENGINEER	SR PRIN CONFIG CONTROL AUTH	GENERAL FOREMAN PIPEFITTER
PRIN SAFETY PROFESSIONAL	SR PRIN SHIFT TECHNICAL ADVIS	GENERAL LABORER
PRIN SCIENTIST	SR SCIENTIFIC TECHNOLOGIST	JOURNEYMAN
PRIN SOCIAL SCIENTIST	SR SHIFT TECHNICAL ADVISOR	JOURNEYMAN CARPENTER
SAFETY ENGINEER	SR TECHNICAL TEAM LEAD	JOURNEYMAN CEMENT MASON
SR CHEMIST	SR TECHNICIAN	JOURNEYMAN INSULATORS
SR CIVIL ENGINEER	TECHNICAL TEAM LEAD	JOURNEYMAN IRON WORKERS
SR COMPUTER SYSTEMS ANALYST	TECHNICIAN	JOURNEYMAN LABORERS
SR ELECTRICAL ENGINEER		JOURNEYMAN MILLWRIGHTS
SR ENGINEER	SERVICE	JOURNEYMAN PIPEFITTER
SR ENGINEERING TECHNOLOGIST	ASSOC FIREFIGHTER	JOURNEYMAN PLUMBER
SR ENVIRONMENTAL ENGINEER	FIREFIGHTER	JOURNEYMAN SPRAYER
SR ENVIRONMENTAL SCIENTIST	MANAGER BATTALION CHIEF	JOURNEYMAN SPRINKLER FITTER
SR HEALTH PHYSICIST	SR FIRE INSP TECHNICIAN	JOURNEYMAN WIREMAN/TECHNICAL
SR INDUSTRIAL HYGIENIST	SR FIREFIGHTER	LINEMAN ELECTRICIAN
SR NUCLEAR ENGINEER	WASTE WATER TREATMENT OPER	MAINTENANCE MACHINIST
SR PRIN AIR QUALITY ENV ENG		MAINTENANCE TECHNOLOGIST
SR PRIN CHEMIST	SECURITY	PAINTER
SR PRIN CIVIL ENGINEER	CAPTAIN SECURITY	PIPEFITTER
SR PRIN ELECTRICAL ENGINEER	CAS OPERATOR	SHEETMETAL WORKER
SR PRIN ENGINEER	CAS OPERATOR UNARMED	SR MICE TECHNICIAN
SR PRIN ENVION PROTECTION ENG	LIEUTENANT	STATIONARY OPERATING ENGINEER
SR PRIN ENVIRONMENT SCIENTIST	PRIN SFGDS & SECURITY SPEC	UTILITY WORKER
SR PRIN ENVIRONMENTAL ENGIN	SECURITY OFFICER	
SR PRIN INDUS HYGEN	SECURITY POLICE OFFICER	NUCLEAR
SR PRIN MATERIAL SCIENTIST	SFGDS & SECURITY SPECIALIST	D&D HAZARDOUS REDUCTION TECH
SR PRIN MECHANICAL ENGINEER	SPO UNKNOWN JOB CODE/TITLE	D&D SKILLED TRADES
SR PRIN NUCLEAR ENGINEER	SR SFGDS & SECURITY SPECIALIST	D&D UTILITY WORKER
SR PRIN PHYSICIST	SRT LIEUTENANT	PRIN RAD ENGR TECHNOLOGIST
SR PRIN QUALITY ENGINEER	SRT SECURITY POLICE OFFICER	RAD ENGR TECHNOLOGIST
SR PRIN SAFETY ENGINEER		RADIOLOGICAL CONTROL TECH
SR PRIN SCIENTIST	CRAFTS & MANUAL LABOR	SR RAD ENGR TECHNOLOGIST
SR SAFETY PROFESSIONAL	AUTO MECHANIC	
SR SOCIAL SCIENTIST	CABLE SPLICER/WIREMAN WELDING	OTHER/UNKNOWN
VP HUMAN RESOURCES & COMM	CARPENTER	STL UNKNOWN JOB CODE/TITLE

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## Appendix C. Work Force Demographics

## Part 1. Percentage of Men in Different Age Groups from 1993 to 1999

Year	16- 29	30- 39	40- 49	50+
1993	9	35	36	20
1994	7	33	36	23
1995	6	32	37	25
1996	4	31	41	24
1997	4	28	40	28
1998	2	25	42	31
1999	4	22	41	33

## Part 2. Percentage of Women in Different Age Groups from 1993 to 1999

Year	16- 29	30- 39	40- 49	50+
1993	15	37	33	14
1994	13	37	34	16
1995	11	35	37	17
1996	8	33	42	17
1997	8	29	43	20
1998	4	28	45	23
1999	5	25	44	26

## Part 3. Percentage of Men in Different Job Categories from 1993 to 1999

Year	Admini stration	Professi o nal	Techni cal	Service	Security	Crafts & Manual Labor	Nuclear	Other/Unk nown
1993	15	22	22	3	*	21	16	1
1994	34	22	20	5	*	10	9	<1
1995	34	20	18	4	4	9	7	4
1996	39	17	9	3	9	11	8	4
1997	38	14	6	2	7	17	9	7
1998	43	12	5	2	9	15	14	**
1999	40	10	4	2	9	20	15	<1

\*Service and Security workers combined

\*\*No workers in this category

## Part 4. Percentage of Women in Different Job Categories from 1993 to 1999

Year	Admini stration	Professi o nal	Techni cal	Service	Security	Crafts & Manual Labor	Nuclear	Other/Unk nown
1993	51	11	20	2	*	4	11	1
1994	64	11	16	4	*	<1	4	<1
1995	64	11	13	3	1	<1	4	3
1996	68	10	5	2	4	1	5	5
1997	61	9	4	1	4	6	6	9
1998	71	9	3	1	5	3	8	**
1999	70	6	3	1	5	5	10	**

\*Service and Security workers combined

\*\*No workers in this category

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Appendix D. Total Number of Workers Who Reported at Least One Absence by Gender, Age, and Job Category\*

	Women					Men				
	Age Group					Age Group				
	16 -	30 -	40 -		Total	30 -	40 -		Total	Total
Job Category										
Administrative	2	4	15	8	29	12	19	28	59	88
Professional	0	0	4	2	6	0	2	6	8	14
Technical	0	0	0	0	0	0	7	2	9	9
Service	0	0	0	0	0	0	3	1	4	4
Security	0	0	3	0	3	2	4	4	10	13
Crafts &										
Manual Labor	0	0	1	0	1	4	12	14	30	31
Nuclear	0	2	6	3	11	4	11	9	24	35
Total	2	6	29	13	50	22	58	64	144	194

\*Only those job categories and gender/age combinations with at least one absence appear in this table.

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Appendix E. Total Number of Absences by Gender, Age, and Job Category\*

	Women					Men				
	Age Group					Age Group				
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total
Job Category										
Administrative	2	4	24	11	41	13	23	34	70	111
Professional	0	0	4	2	6	0	2	7	9	15
Technical	0	0	0	0	0	0	10	3	13	13
Service	0	0	0	0	0	0	4	1	5	5
Security	0	0	3	0	3	2	4	4	10	13
Crafts & Manual Labor	0	0	1	0	1	9	12	17	38	39
Nuclear	0	2	7	3	12	4	11	12	27	39
Total	2	6	39	16	63	28	66	78	172	235

\*Only those job categories and gender/age combinations with at least one absence appear in this table.

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Appendix F. Distribution of the Number of Calendar Days Missed per Absence by Gender and Age\*

	Women					Men				
	Age Group					Age Group				
	16 -	30 -	40 -	50 +	Total	16 -	30 -	40 -	50 +	Total
# of Calendar Days										
< 15	2,	3,	14,	5,	24,	19,	34,	35,	88,	112,
15 - 28	0,	1,	17,	5,	23,	6,	18,	26,	50,	73,
29 - 42	0,	0,	4,	3,	7,	1,	4,	7,	12,	19,
43 - 56	0,	1,	1,	1,	3,	0,	3,	5,	8,	11,
57 - 91	0,	1,	3,	1,	5,	0,	2,	4,	6,	11,
92 - 182	0,	0,	0,	0,	0,	1,	3,	0,	4,	4,
183 +	0,	0,	0,	1,	1,	1,	2,	1,	4,	5,
Total	2,	6,	39,	16,	63,	28,	66,	78,	172,	235,

\*Only those gender/age combinations with at least one absence appear in this table.

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Appendix G. Distribution of the Number of Calendar Days Missed per Absence by Gender and Job Category\*

	Women					Men																																																																																																													
	Job Category																																																																																																																		
	Cra-	fts	Adm-	ini-Pro-	Man-	str-fes-	Sec-ual	ati-sio-	uri-Lab-	Nuc-Tot-	Cra-	fts	Adm-	ini-Pro-	Man-	str-fes-	Tec-	Sec-ual	ati-sio-	hni-Ser-	uri-Lab-	Nuc-Tot-																																																																																													
# of Calendar Days	< 15	17	1	1	0	5	24	38	3	8	4	4	20	11	88	15	28	15	2	2	1	3	23	22	4	3	1	3	11	6	50	29	42	3	3	0	0	1	7	4	1	1	0	1	2	3	12	43	56	3	0	0	0	0	0	3	3	1	0	0	0	2	2	8	57	91	3	0	0	0	2	5	1	0	1	0	2	1	1	6	92	182	0	0	0	0	0	0	0	2	0	0	0	0	0	1	1	4	183	+	0	0	0	0	1	1	0	0	0	0	0	0	1	3	4
Total	41	6	3	1	12	63	70	9	13	5	10	38	27	172																																																																																																					

\*Only those gender/job category combinations with at least one absence appear in this table.



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Appendix H. Number of Diagnoses in Each Diagnostic Category by Gender and Age\*

	Women					Men				
	Age Group									
	16 -	30 -	40 -	Tot-		30 -	40 -	Tot-		Tot-
	29	39	49	50 +	al	39	49	50 +	al	al
Diagnostic Category, ICD-9-CM Code										
INFECTIONIOUS & PARASITIC DISEASES (DIS)	0	0	2	1	3	0	2	2	4	7
- Intestinal, 001-009										
Infectious Dis	0	0	1	0	1	0	0	0	0	1
- Other, 030-041										
Bacterial Dis	0	0	0	0	0	0	0	1	1	1
- Viral Dis, 050-057										
with Exanthem	0	0	0	0	0	0	0	1	1	1
- Other, 070-079										
Viral Dis & Chlamydiae	0	0	1	1	2	0	2	0	2	4
MALIGNANT NEOPLASMS, 230-234	0	0	2	1	3	0	3	1	4	7
- Respiratory & Intrathoracic										
-Breast, 174-175	0	0	2	1	3	0	0	0	0	3
- Genitourinary	0	0	0	0	0	0	0	1	1	1
- Other & Unspecified, 190, 193-199										
Sites	0	0	0	0	0	1	0	1	1	1
BENIGN & UNCERTAIN NEOPLASMS, 235-239	0	0	1	0	1	0	0	1	1	2
ENDOCRINE/METABOLIC/IMMUNITY	0	0	0	0	0	2	1	3	3	3

\*Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix H. Number of Diagnoses in Each Diagnostic Category by Gender and Age\*

Diagnostic Category	Women					Men				
	16 -	30 -	40 -	Tot-	%	16 -	30 -	40 -	Tot-	%
-Thyroid Gland Disorders	0	0	0	0	0	0	0	0	1	1
-Other Endocrine Gland Disorders	0	0	0	0	0	0	0	0	1	1
-Other Metabolic & Immunity Disorders	0	0	0	0	0	0	0	0	1	1
MENTAL DISORDERS	0	0	7	1	8	1	7	1	9	17
-Psychoses	0	0	0	0	0	0	0	2	0	2
-Non-Psychotic Disorders	0	0	7	1	8	1	4	1	6	14
-Drug Dependence	0	0	0	0	0	0	0	1	0	1
NERVOUS SYSTEM (NS) & SENSE ORGANS	0	0	2	4	6	1	7	6	14	20
-Other Disorders of Central NS	0	0	0	1	1	0	2	0	2	3
- Disorders of Peripheral NS	0	0	1	0	1	0	2	3	5	6
- Disorders of Eye	0	0	0	0	0	1	3	0	4	4
- Disorders of Ear, & Mastoid	0	0	1	3	4	0	0	3	3	7

\*Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix H. Number of Diagnoses in Each Diagnostic Category by Gender and Age\*

Diagnostic Category, ICD-9-CM Code	Women					Men				
	16 -	30 -	40 -	Tot-	%	16 -	30 -	40 -	Tot-	%
CIRCULATORY, 390-459	29	39	49	50	al	39	49	50	al	al
SYSTEM	0	0	0	2	2	0	3	8	11	13
-Hypertensive Dis	0	0	0	2	2	0	0	0	0	2
-Ischemic Heart Dis	0	0	0	0	0	0	2	3	5	5
-Other Heart Dis	0	0	0	0	0	0	0	3	3	3
-Dis of Veins, Lymphatics, Other	0	0	0	0	0	0	1	2	3	3
RESPIRATORY, 460-519	1	0	15	3	19	9	12	28	49	68
SYSTEM	0	0	3	0	3	3	2	4	9	12
-Acute Respiratory Infections	0	0	3	0	3	3	2	4	9	12
-Other Dis	1	0	1	0	2	3	5	8	16	18
Tract	1	0	1	0	2	3	5	8	16	18
-Pneumonia & Influenza	0	0	6	3	9	3	2	7	12	21
-Chronic Obstructive Dis	0	0	5	0	5	0	3	7	10	15
-Other Respiratory Dis	0	0	0	0	0	0	0	2	2	2
DIGESTIVE, 520-579	1	1	3	0	5	2	8	10	20	25
SYSTEM	1	1	3	0	5	2	8	10	20	25

\*Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix H. Number of Diagnoses in Each Diagnostic Category by Gender and Age\*

	Women					Men				
	Age Group									
	16 -	30 -	40 -	Tot-	30 -	40 -	Tot-	Tot-	Tot-	Tot-
	29	39	49	50 +	al	39	49	50 +	al	al
Diagnostic Category, ICD-9-CM Code										
-Oral Cavity, Salivary Glands, Jaw										
-Esophagus, Stomach, Duodenum										
-Appendicitis										
-Hernia										
-Enteritis, Colitis										
-Other Intestinal Dis										
-Other Digestive Dis										
GENITOURINARY SYSTEM										
-Nephritis, Nephrosis										
-Other Urinary Dis										
-Male Genital Organ Dis										
-Breast Disorders										
-Other Female Disorders										

\*Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix H. Number of Diagnoses in Each Diagnostic Category by Gender and Age\*

	Women					Men				
	Age Group									
	16 -	20 -	30 -	40 -	50 +	16 -	20 -	30 -	40 -	50 +
	29	39	49	59	69	39	49	59	69	79
Diagnoses										
SKIN & SUBCUTANEOUS TISSUE										
-Infections, 680-686	0	0	1	0	1	0	4	1	5	6
-Other, 690-698										
Inflammatory Conditions	0	0	0	0	0	0	1	0	1	1
-Other, 700-709	0	0	1	0	1	0	0	0	0	1
MUSCULOSKELETAL & CONNECTIVE TISSUE										
-Arthropathies, 710-719	0	0	1	1	2	3	6	6	15	17
-Dorsopathies, 720-724	0	0	2	2	4	3	8	8	19	23
-Rheumatism, Excluding Back, & Acquired Deformities, 730-739	0	0	2	2	4	0	1	4	5	9
CONGENITAL ANOMALIES, SYMPTOMS, SIGNS, & ILL-DEFINED CONDITIONS										
-Symptoms, 780-789	0	0	3	2	5	2	3	5	10	15

\*Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

(CONTINUED)

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Appendix H. Number of Diagnoses in Each Diagnostic Category by Gender and Age\*

Diagnostic Category	Women					Men				
	16 -	30 -	40 -	Tot-	%	16 -	30 -	40 -	Tot-	%
-Non-Specific Abnormal Findings	29	39	49	50	al	39	49	50	al	al
-Ill-Defined & Unknown Causes	0	0	0	1	1	0	1	0	1	2
-INJURY & POISONING	0	6	2	0	8	6	13	12	31	39
-Fracture - Neck, Trunk	0	0	0	0	0	0	0	1	1	1
-Fracture - Upper Limb	0	1	0	0	1	1	1	0	2	3
-Fracture - Lower Limb	0	1	1	0	2	1	1	1	3	5
-Dislocation	0	0	0	0	0	2	2	1	5	5
-Sprains & Strains - Back	0	1	0	0	1	0	2	1	3	4
-Sprains & Strains - Other	0	2	0	0	2	1	3	5	9	11
-Open Wound, Lower Limb	0	1	0	0	1	0	0	0	0	1
-Late Effects	0	0	0	0	0	0	1	0	1	1
-Complications & Unspecified Injuries	0	0	0	0	0	0	2	0	2	2

\*Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix H. Number of Diagnoses in Each Diagnostic Category by Gender and Age\*

	Women					Men				
	16 -	30 -	40 -	Tot-	al	16 -	30 -	40 -	Tot-	al
	29	39	49	50 +	al	29	39	49	50 +	al
Diagnostic Category										
Code										
-Unspecifi-										
ed Effects										
External Causes										
	0	0	1	0	1	1	0	2	3	4
-Complicat-										
ions of Surgical/M										
edical Care										
	0	0	0	0	0	0	1	1	2	2
Total	2	9	47	21	79	35	82	101	218	297

\*Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

Rocky Flats 1999

Appendix I. Total Number of Calendar Days Absent in Each Diagnostic Category by Gender and Age\*

	Women					Men				
	Age Group					Age Group				
	16 -	30 -	40 -	Tot-	al	30 -	40 -	Tot-	Tot-	al
	29	39	49	50 +	al	39	49	50 +	al	al
Diagnostic Category, ICD-9-CM Code										
INFECTIONOUS & PARASITIC DISEASES (DIS)	0	0	15	20	35	0	27	74	101	136
MALIGNANT NEOPLASMS, 140-208										
NEOPLASMS, 230-234	0	0	38	251	289	0	297	31	328	617
BENIGN & UNCERTAIN NEOPLASMS, 210-229, 235-239										
NEOPLASMS	0	0	57	0	57	0	0	10	10	67
ENDOCRINE/METABOLIC, 240-279										
IMMUNITY	0	0	0	0	0	0	27	18	45	45
MENTAL DISORDERS, 290-319	0	0	148	24	172	25	533	7	565	737
NERVOUS SYSTEM (NS) & SENSE ORGANS, 320-389										
ORGANS	0	0	34	129	163	7	111	81	199	362
CIRCULATORY SYSTEM, 390-459										
SYSTEM	0	0	0	91	91	0	62	149	211	302
RESPIRATORY SYSTEM, 460-519										
SYSTEM	13	0	121	34	168	73	158	342	573	741
DIGESTIVE SYSTEM, 520-579										
SYSTEM	11	62	45	0	118	19	126	162	307	425
GENITOURINARY SYSTEM, 580-629										
ARY SYSTEM	0	9	122	72	203	206	21	138	365	568
SKIN & SUBCUTANEOUS TISSUE, 680-709										
US TISSUE	0	0	18	0	18	0	60	11	71	89
MUSCULOSKELETAL & CONNECTIVE TISSUE, 710-739										
LETAL & CONNECTIVE TISSUE	0	0	206	116	322	285	320	902	1507	1829

\*Absences with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

(CONTINUED)



Rocky Flats 1999

Appendix I. Total Number of Calendar Days Absent in Each Diagnostic Category by Gender and Age\*

Diagnostic Category	Women					Men				
	16 -	30 -	40 -	Tot-	al	16 -	30 -	40 -	Tot-	al
CONGENITAL ANOMALIES, 740-759	0	0	0	0	0	0	0	233	0	233
SYMPTOMS, SIGNS, & ILL-DEFINED, COND., 780-799	0	0	70	28	98	56	22	85	163	261
INJURY & POISONING, 800-999	0	77	33	0	110	62	392	211	665	775

\*Absences with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/age combinations with at least one occurrence appear in this table.

Rocky Flats 1999

Appendix J. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

		Women						
		Job Category						
		Craf-	Admi-	ts &	Prof-	Manu-	on	onal
		ity	Labor	ear	Total			
Diagnostic	ICD-9-CM Code							
Category								
INFECTIOUS &	001-139							
PARASITIC								
DISEASES								
(DIS)		3	0	0	0	0	0	3
-Intestinal	001-009							
Infectious								
Dis		1	0	0	0	0	0	1
-Other Viral	070-079							
Dis &								
Chlamydiae		2	0	0	0	0	0	2
MALIGNANT	140-208, 230-							
NEOPLASMS	234	1	1	0	0	1	3	
-Breast	174-175	1	1	0	0	1	3	
BENIGN &	210-229, 235-							
UNCERTAIN	239							
NEOPLASMS		1	0	0	0	0	1	
MENTAL	290-319							
DISORDERS		4	0	2	0	2	8	
-Non-	300-302, 306-							
Psychotic	316							
Disorders		4	0	2	0	2	8	
NERVOUS	320-389							
SYSTEM (NS) &								
SENSE ORGANS		4	0	1	0	1	6	
-Other	340-349							
Disorders of								
Central NS		0	0	0	0	1	1	
-Disorders of	350-359							
Peripheral NS		0	0	1	0	0	1	
-Dis of Ear &	380-389							
Mastoid		4	0	0	0	0	4	

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix J. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

		Women						
		Job Category						
		Craf-	Admi-	ts &	Prof-	Manu-	on	onal
		ity	Labor	ear	Total			
Diagnostic Category	ICD-9-CM Code							
		%						
CIRCULATORY SYSTEM	390-459	2	0	0	0	0	0	2
-Hypertensive Dis	401-405	2	0	0	0	0	0	2
RESPIRATORY SYSTEM	460-519	12	2	0	0	5	19	
-Acute Respiratory Infections	460-466	2	0	0	0	1	3	
-Other Dis	470-478	2	0	0	0	0	2	
Upper Respiratory Tract		2	0	0	0	0	2	
-Pneumonia & Influenza	480-487	5	2	0	0	2	9	
-Chronic Obstructive Dis	490-496	3	0	0	0	2	5	
DIGESTIVE SYSTEM	520-579	4	0	1	0	0	5	
-Oral Cavity, Saliva Glands, Jaw	520-529	1	0	0	0	0	1	
-Esophagus, Stomach, Duodenum	530-537	2	0	0	0	0	2	
-Other Intestinal Dis	560-569	0	0	1	0	0	1	
-Other Digestive Dis	570-579	1	0	0	0	0	1	

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix J. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

		Women									
		Job Category									
		Craf-	Admi-	Prof-	Manu-	on	onal	riety	Labor	ear	Total
Diagnostic Category	ICD-9-CM Code										
GENITOURINARY, SYSTEM	580-629	5	2	0	0	1	8				
-Other	590-599										
Urinary Disorders		1	0	0	0	0	1				
-Breast Disorders	610-611	1	0	0	0	0	1				
-Other Female	617-629	3	2	0	0	1	6				
SKIN & SUBCUTANEOUS TISSUE	680-709										
-Other	700-709	1	0	0	0	0	1				
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739										
-Arthropathies	710-719	2	0	0	0	0	2				
-Dorsopathies	720-724	3	0	0	0	1	4				
-Rheumatism	725-729										
Excluding Back		1	1	0	1	1	4				
SYMPTOMS, SIGNS, & ILL-DEFINED COND.	780-799										
-Symptoms	780-789	3	0	0	0	0	3				
-Non-Specific	790-796										
Abnormal Findings		1	0	0	0	0	1				

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)



Rocky Flats 1999

Appendix J. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

Men										
Job Category										
	Admi-	nist-	Prof-	rati-	essi-	Tech-	Serv-	Secu-	al	Nucl-
	on	onal	nical	ice	rity	Labor	ear	Total		
Diagnostic Category	ICD-9-CM Code									
INFECTIOUS & PARASITIC DISEASES (DIS)	001-139	2	0	1	1	0	0	0	0	4
-Other Bacterial Dis.	030-041	1	0	0	0	0	0	0	0	1
-Viral Dis with Exanthem	050-057	1	0	0	0	0	0	0	0	1
-Other Viral Dis & Chlamydiae	070-079	0	0	1	1	0	0	0	0	2
MALIGNANT NEOPLASMS	140-208, 230-234	3	0	0	0	0	0	0	1	4
-Respiratory & Intrathoracic	160-165	2	0	0	0	0	0	0	0	2
-Genitourinary	179-189	0	0	0	0	0	0	0	1	1
-Other & Unspecified Sites	190, 193-199	1	0	0	0	0	0	0	0	1
BENIGN & UNCERTAIN NEOPLASMS	210-229, 235-239	0	0	1	0	0	0	0	0	1
ENDOCRINE/METABOLIC/IMMUNITY	240-279	3	0	0	0	0	0	0	0	3
-Thyroid Gland Disorders	240-246	1	0	0	0	0	0	0	0	1

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix J. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

Men									
Job Category									
Diagnostic Category	ICD-9-CM Code								
-Other	250-259								
Endocrine Gland Disorders		1	0	0	0	0	0	0	1
-Other	270-279								
Metabolic & Immunity Disorders		1	0	0	0	0	0	0	1
MENTAL DISORDERS	290-319								
-Psychoses	290-299	0	0	0	0	0	0	2	2
-Non-Psychotic Disorders	300-302, 306-316								
-Drug Dependence	304-305	0	0	0	0	0	1	0	1
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389								
-Other	340-349	10	1	0	0	0	2	1	14
Diorders of Central NS		2	0	0	0	0	0	0	2
-Diorders of Peripheral NS	350-359	1	1	0	0	0	2	1	5
-Diorders of Eye	360-379	4	0	0	0	0	0	0	4
-Dis of Ear & Mastoid	380-389	3	0	0	0	0	0	0	3
CIRCULATORY SYSTEM	390-459								
		4	1	0	0	1	3	2	11

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix J. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

Men										
Job Category										
	Craf-	Admi-	Prof-	Manu-	Techni-	Serv-	Secu-	Al	Nucl-	Total
- Ischemic Heart Dis	2	1	0	0	1	1	0	5		
- Other Heart Dis	2	0	0	0	0	1	0	3		
- Dis of Veins, Lymphatics, Other	0	0	0	0	0	1	2	3		
RESPIRATORY SYSTEM	25	1	7	0	2	8	6	49		
- Acute Respiratory Infections	5	1	1	0	1	0	1	9		
- Other Dis of Upper Respiratory Tract	11	0	1	0	1	1	2	16		
- Pneumonia & Influenza	5	0	2	0	0	4	1	12		
- Chronic Obstructive Dis of Respiratory Dis	2	0	3	0	0	3	2	10		
- Other Respiratory Dis	2	0	0	0	0	0	0	2		
DIGESTIVE SYSTEM	9	2	1	0	2	5	1	20		
- Oral Cavity, Saliva, Glands, Jaw	1	0	0	0	0	0	0	1		
- Appendicitis	0	0	0	0	0	1	0	1		

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)



Rocky Flats 1999

Appendix J. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

Men									
Job Category									
Diagnostic Category	ICD-9-CM Code								
-Hernia	550-553	4	1	0	0	2	4	1	12
-Enteritis	555-558								
Colitis		1	0	0	0	0	0	0	1
-Other	560-569								
Intestinal Dis		1	0	0	0	0	0	0	1
-Other	570-579								
Digestive Dis		2	1	1	0	0	0	0	4
GENITOURINARY SYSTEM	580-629	2	0	1	1	0	8	2	14
-Nephritis	580-589								
Nephrosis		0	0	0	0	0	2	0	2
-Other	590-599								
Urinary Dis		2	0	1	1	0	5	0	9
-Male Genital Organ Dis	600-608	0	0	0	0	0	1	2	3
SKIN & SUBCUTANEOUS TISSUE	680-709	1	1	0	1	0	1	1	5
-Infections	680-686	0	1	0	1	0	1	1	4
-Other	690-698								
Inflammatory Conditions		1	0	0	0	0	0	0	1
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	11	2	4	1	4	12	8	42
-Arthropathies	710-719	5	1	1	0	2	6	0	15

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix J. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

Men													
Job Category													
	Craf-	Admi-	nist-	Prof-	Manu-	rati-	essi-	Tech-	Serv-	Secu-	al	Nucl-	
													Total
Diagnostic ICD-9-CM Code Category													
-Dorsopathies, 720-724	4	0	2	1	2	4	6	19					
-Rheumatism, 725-729													
Excluding Back	0	1	1	0	0	2	1	5					
-Other Dis &, 730-739													
Acquired Deformities	2	0	0	0	0	0	1	3					
CONGENITAL ANOMALIES, 740-759	0	0	0	0	0	0	1	1					
SYMPTOMS, SIGNS, & ILL-DEFINED COND., 780-799	7	1	0	0	1	0	1	10					
-Symptoms, 780-789	6	1	0	0	1	0	1	9					
-Non-Specific, 790-796													
Abnormal Findings	1	0	0	0	0	0	0	1					
INJURY & POISONING, 800-999	15	2	2	2	1	5	4	31					
-Fracture - Neck, Trunk, 805-809	0	0	0	1	0	0	0	1					
-Fracture - Upper Limb, 810-819	2	0	0	0	0	0	0	2					
-Fracture - Lower Limb, 820-829	1	0	0	0	0	1	1	3					
-Dislocation, 830-839	2	0	0	0	0	2	1	5					
-Sprains & Strains - Back, 846-847	1	1	1	0	0	0	0	3					

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix J. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

	Men										
	Job Category										
	Craf-	Admi -	nist -	Prof -	rati -	essi -	Tech -	Serv -	Secu -	al	Nucl -
	on	onal	nical	ice	rity	Labor	ear	Total			
Diagnostic ICD-9-CM Code Category											
-Sprains & Strains - Other	5	0	1	0	1	1	1	1	9		
-Late Effects, 905-909	1	0	0	0	0	0	0	0	1		
-Complications & Unspecified Injuries	0	0	0	1	0	0	1	2			
-Unspecified Effects - External Causes	2	0	0	0	0	0	1	0	3		
-Complications of Surgical/Medical Care	1	1	0	0	0	0	0	0	2		
Total	93	11	17	6	12	46	33	218			

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Rocky Flats 1999

Appendix K. Total Number of Calendar Days Absent in Each Diagnostic Category by Gender and Job Category\*

		Women						
		Job Category						
		Craf-	Admi-	Prof-	Manu-	on	onal	riety
		Labor	ear	Total				
Diagnostic Category	ICD-9-CM Code							
INFECTIOUS & PARASITIC DISEASES (DIS)	001-139	35	0	0	0	0	0	35
MALIGNANT NEOPLASMS	140-208, 230-234	21	17	0	0	251	289	
BENIGN & UNCERTAIN NEOPLASMS	210-229, 235-239	57	0	0	0	0	57	
MENTAL DISORDERS	290-319	73	0	8	0	91	172	
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	127	0	25	0	11	163	
CIRCULATORY SYSTEM	390-459	91	0	0	0	0	91	
RESPIRATORY SYSTEM	460-519	112	14	0	0	42	168	
DIGESTIVE SYSTEM	520-579	97	0	21	0	0	118	
GENITOURINARY SYSTEM	580-629	108	62	0	0	33	203	
SKIN & SUBCUTANEOUS TISSUE	680-709	18	0	0	0	0	18	
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739	141	41	0	28	112	322	

\*Absences with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix K. Total Number of Calendar Days Absent in Each Diagnostic Category by Gender and Job Category\*

Women	
Job Category	
Diagnostic Category	ICD-9-CM Code
SYMPTOMS, SIGNS, & ILL-DEFINED COND.	780-799
INJURY & POISONING	800-999
	71, 27, 0, 0, 0, 98, 74, 0, 0, 36, 110,

\*Absences with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

Appendix K. Total Number of Calendar Days Absent in Each Diagnostic Category by Gender and Job Category\*

Men									
Job Category									
Diagnostic Category	ICD-9-CM Code								
INFECTIOUS & PARASITIC DISEASES (DIS)	001-139	74	0	12	15	0	0	0	101
MALIGNANT NEOPLASMS	140-208, 230-234	297	0	0	0	0	0	31	328
BENIGN & UNCERTAIN NEOPLASMS	210-229, 235-239	0	0	10	0	0	0	0	10
ENDOCRINE/METABOLIC/IMMUNITY	240-279	45	0	0	0	0	0	0	45
MENTAL DISORDERS	290-319	129	0	0	0	7	33	396	565
NERVOUS SYSTEM (NS) & SENSE ORGANS	320-389	115	15	0	0	0	64	5	199
CIRCULATORY SYSTEM	390-459	116	28	0	0	12	40	15	211
RESPIRATORY SYSTEM	460-519	264	9	93	0	39	115	53	573
DIGESTIVE SYSTEM	520-579	111	53	7	0	37	85	14	307
GENITOURINARY SYSTEM	580-629	47	0	14	7	0	230	67	365
SKIN & SUBCUTANEOUS TISSUE	680-709	24	13	0	13	0	11	10	71

\*Absences with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)



## Rocky Flats 1999

## Appendix L. Age-Adjusted Rates for Selected Diagnostic Categories and All Diagnoses Combined

## Part 1. Age-Adjusted Rates for Selected Diagnostic Categories by Gender from 1993 to 1999

## Rate per 1,000 Men

Men	All Diagnostic Categories			Cancer			Heart/Circulatory			Respiratory			Injury		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	169	184	201	1	3	7	10	14	20	45	52	61	26	32	39
1994	167	181	197	2	4	6	5	7	9	40	47	55	29	35	42
1995	139	152	167	1	2	4	4	6	8	43	52	61	22	27	33
1996	80	95	112	<1	1	3	2	4	8	11	17	24	21	30	42
1997	48	55	64	<1	1	2	3	5	8	9	12	15	8	11	16
1998	70	84	102	<1	1	2	4	6	10	12	16	21	14	22	35
1999	51	59	68	<1	1	2	1	3	5	10	14	19	5	8	11

## Rate per 1,000 Women

Women	All Diagnostic Categories			Cancer			Heart/Circulatory			Respiratory			Injury		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	370	406	445	2	3	6	9	14	22	123	143	167	28	38	53
1994	441	478	518	2	4	8	4	9	17	155	178	204	32	41	51
1995	294	323	355	<1	1	3	2	3	7	102	119	140	34	43	54
1996	148	176	210	1	2	7	2	4	11	39	54	74	11	19	33
1997	105	131	164	0	0	0	2	4	12	26	40	62	7	15	33
1998	80	104	136	0	0	0	1	2	9	23	32	46	4	8	16
1999	76	104	143	1	3	8	2	8	33	10	21	43	4	8	17

(CONTINUED)



## Rocky Flats 1999

## Appendix L. Age-Adjusted Rates for Selected Diagnostic Categories and All Diagnoses Combined

## Part 2. Age-Adjusted Rates for All Diagnostic Categories Combined by Gender and Job Category from 1993 to 1999

## Rate per 1,000 Men

Men	Administration			Professional			Technical			Service		
Year	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	156	192	236	98	118	141	153	187	229	244	358	526
1994	173	199	228	130	155	184	158	192	232	140	189	255
1995	104	128	157	85	106	131	130	160	195	204	285	397
1996	56	80	112	30	42	59	48	69	98	21	50	114
1997	40	50	64	11	19	34	21	37	64	21	74	266
1998	49	69	98	31	47	71	67	105	165	2	15	107
1999	53	66	82	13	23	42	39	64	103	45	104	239

Men	Security			Crafts & Manual Labor			Nuclear			Other/Unknown		
Year	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	*	*	*	174	216	266	178	228	291	0	0	0
1994	*	*	*	115	142	175	150	202	272	0	0	0
1995	7	21	61	150	184	225	340	457	615	17	39	89
1996	69	122	213	115	194	329	125	195	305	70	128	234
1997	25	48	90	54	72	95	88	139	220	26	51	103
1998	9	21	48	67	88	117	129	193	290	**	**	**
1999	31	65	139	49	68	93	38	54	76	0	0	0

## Rate per 1,000 Women

Women	Administration			Professional			Technical			Service		
Year	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	341	388	441	224	337	508	384	468	570	339	517	789
1994	433	479	529	231	311	419	385	469	570	299	452	681
1995	272	305	342	173	292	495	360	448	558	183	319	558
1996	113	140	173	50	102	212	66	145	318	19	58	180
1997	96	126	166	10	26	69	88	178	363	0	0	0
1998	52	70	95	1	8	58	72	197	537	0	0	0
1999	75	115	177	43	93	199	0	0	0	0	0	0

Women	Security			Crafts & Manual Labor			Nuclear			Other/Unknown		
Year	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1993	*	*	*	246	376	572	394	498	629	2	18	125
1994	*	*	*	6	45	322	593	766	988	319	849	2262
1995	4	26	188	23	91	363	469	620	819	4	15	58
1996	150	305	619	43	114	302	495	726	1066	8	37	160
1997	7	26	106	23	56	134	272	433	689	14	70	354
1998	77	179	413	61	153	383	265	409	629	**	**	**
1999	21	57	151	2	14	101	95	157	260	**	**	**

\*Service and Security workers are combined.

\*\*No workers in this category.

## Rocky Flats 1999

## Appendix M Diseases and Injuries by Diagnostic Category

## Part 1. Men

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses*	Age-Adjusted Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001-139	4	0.9	0.3	2.3
Malignant Neoplasms	140-208, 230-234	4	0.8	0.3	2.2
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	2	0.4	0.1	1.5
- Breast	174-175	0	0	0	0
- Genitourinary	179-189	1	0.2	0.0	1.7
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	1	0.2	0.0	1.7
Endocrine & Metabolic Diseases	240-279	3	0.6	0.2	1.9
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	9	1.9	1.0	3.7
- Alcoholism	303	0	0	0	0
- Drug Abuse	304-305	1	0.2	0.0	1.3
Nervous System & Sense Organs	320-389	14	3.9	2.1	7.1
Circulatory System	390-459	11	2.5	1.4	4.5
- Hypertension	401	0	0	0	0
- Acute Myocardial Infarction	410	3	0.7	0.2	2.1
- Ischemic Disease, not M.I.	411-414, 429.2	2	0.4	0.1	1.7
- Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	49	14.0	10.3	19.0
- Upper Respiratory	460-465, 470-478	25	7.0	4.6	10.7
- Pneumonia/Bronchitis	466, 480-487	12	4.3	2.3	8.0
- Chronic Respiratory Conditions	490-496	10	2.2	1.2	4.2
Digestive System	520-579	20	4.6	2.9	7.1
- Hernias	550-553	12	2.6	1.5	4.5
- Gallbladder Disease	574-575	2	0.5	0.1	1.9
Genitourinary System	580-629	14	4.7	2.7	8.3
- Benign Prostatic Hypertrophy	600	0	0	0	0
Skin & Subcutaneous Tissue	680-709	5	1.4	0.5	4.0
Musculoskeletal System	710-739	42	13.2	9.4	18.6
- Dorsopathies	720-724	19	6.1	3.6	10.1
Congenital Anomalies	740-759	1	0.2	0.0	1.3
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	10	2.4	1.3	4.6
Injury & Poisoning	800-999	31	7.7	5.3	11.2
- Fractures, All Sites	800-829	6	1.5	0.7	3.5
- Dislocations	830-839	5	1.3	0.5	3.2
- Sprains & Strains	840-848	12	2.7	1.5	4.8
- Intracranial Injuries	850-854	0	0	0	0
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	0	0	0	0
- Other Injuries	900-999	8	2.2	1.0	4.9
Health Status/Health Serv Contact	V01-V82	0	0	0	0
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	0	0	0	0
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
<b>Total</b>		<b>218</b>	<b>59.0</b>	<b>50.9</b>	<b>68.3</b>

\*Includes all diagnoses reported with an absence of 5 or more days.

\*\*Standardized to age distribution of 1970 U.S. population.

(CONTINUED)

## Rocky Flats 1999

## Appendix M Diseases and Injuries by Diagnostic Category

## Part 2. Women

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses*	Age-Adjusted Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001-139	3	5.5	1.2	24.5
Malignant Neoplasms	140-208, 230-234	3	2.5	0.8	8.1
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	0	0	0	0
- Breast	174-175	3	2.5	0.8	8.1
- Genitourinary	179-189	0	0	0	0
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	1	0.7	0.1	5.0
Endocrine & Metabolic Diseases	240-279	0	0	0	0
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	8	6.0	3.0	12.2
- Alcoholism	303	0	0	0	0
- Drug Abuse	304-305	0	0	0	0
Nervous System & Sense Organs	320-389	6	14.7	5.6	38.3
Circulatory System	390-459	2	8.1	2.0	32.5
- Hypertension	401	2	8.1	2.0	32.5
- Acute Myocardial Infarction	410	0	0	0	0
- Ischemic Disease, not M.I.	411-414, 429.2	0	0	0	0
- Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	19	20.8	10.1	42.7
- Upper Respiratory	460-465, 470-478	5	9.7	2.3	40.0
- Pneumonia/Bronchitis	466, 480-487	9	7.6	3.9	14.9
- Chronic Respiratory Conditions	490-496	5	3.5	1.5	8.4
Digestive System	520-579	5	10.1	2.6	39.7
- Hernias	550-553	0	0	0	0
- Gallbladder Disease	574-575	1	0.7	0.1	5.0
Genitourinary System	580-629	8	7.4	3.6	15.1
- Endometriosis	617	0	0	0	0
- Ovarian Cysts	620.0-620.2	0	0	0	0
- Female Genital Pain/Bleeding	625-626	3	2.6	0.8	8.2
Pregnancy & Childbirth***	630-639	0	0	0	0
Skin & Subcutaneous Tissue	680-709	1	0.7	0.1	5.0
Musculoskeletal System	710-739	10	9.2	4.9	17.4
- Dorsopathies	720-724	4	3.7	1.3	10.1
Congenital Anomalies	740-759	0	0	0	0
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	5	10.2	3.3	31.5
Injury & Poisoning	800-999	8	8.3	4.1	16.8
- Fractures, All Sites	800-829	3	3.0	0.9	9.6
- Dislocations	830-839	0	0	0	0
- Sprains & Strains	840-848	3	3.5	1.1	10.7
- Intracranial Injuries	850-854	0	0	0	0
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	1	1.2	0.2	8.2
- Other Injuries	900-999	1	0.7	0.1	5.0
Health Status/Health Serv Contact	V01-V82	0	0	0	0
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	0	0	0	0
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
Total		79	104.3	76.3	142.7

\*Includes all diagnoses reported with an absence of 5 or more days.

\*\*Standardized to age distribution of 1970 U.S. population.

\*\*\*Only women aged 18-45 were included in the calculation of the rates for these diagnostic categories.

(CONTINUED)

## Rocky Flats 1999

## Appendix M Diseases and Injuries by Diagnostic Category

## Part 3. Men &amp; Women

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses*	Age-Adjusted Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001-139	7	1.6	0.6	3.7
Malignant Neoplasms	140-208, 230-234	7	1.1	0.5	2.4
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	2	0.3	0.1	1.2
- Breast	174-175	3	0.5	0.2	1.6
- Genitourinary	179-189	1	0.2	0.0	1.4
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	2	0.3	0.1	1.4
Endocrine & Metabolic Diseases	240-279	3	0.5	0.2	1.6
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	17	2.7	1.7	4.4
- Alcoholism	303	0	0	0	0
- Drug Abuse	304-305	1	0.1	0.0	1.1
Nervous System & Sense Organs	320-389	20	5.4	3.2	9.0
Circulatory System	390-459	13	3.1	1.7	5.9
- Hypertension	401	2	1.1	0.3	4.5
- Acute Myocardial Infarction	410	3	0.5	0.2	1.7
- Ischemic Disease, not M.I.	411-414, 429.2	2	0.3	0.1	1.4
- Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	68	16.0	11.6	21.9
- Upper Respiratory	460-465, 470-478	30	8.0	4.7	13.5
- Pneumonia/Bronchitis	466, 480-487	21	5.0	3.1	8.2
- Chronic Respiratory Conditions	490-496	15	2.6	1.5	4.3
Digestive System	520-579	25	6.1	3.3	11.3
- Hernias	550-553	12	2.1	1.2	3.7
- Gallbladder Disease	574-575	3	0.5	0.2	1.7
Genitourinary System	580-629	22	5.3	3.4	8.4
- Benign Prostatic Hypertrophy	600	0	0	0	0
- Endometriosis	617	0	0	0	0
- Ovarian Cysts	620.0-620.2	0	0	0	0
- Female Genital Pain/Bleeding	625-626	3	0.6	0.2	1.8
Pregnancy & Childbirth***	630-639	0	0	0	0
Skin & Subcutaneous Tissue	680-709	6	1.3	0.5	3.5
Musculoskeletal System	710-739	52	12.6	9.2	17.3
- Dorsopathies	720-724	23	5.7	3.5	9.2
Congenital Anomalies	740-759	1	0.1	0.0	1.1
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	15	3.5	2.0	6.3
Injury & Poisoning	800-999	39	8.1	5.8	11.2
- Fractures, All Sites	800-829	9	1.9	1.0	3.7
- Dislocations	830-839	5	1.0	0.4	2.5
- Sprains & Strains	840-848	15	3.0	1.8	5.0
- Intracranial Injuries	850-854	0	0	0	0
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	1	0.3	0.0	1.8
- Other Injuries	900-999	9	2.0	0.9	4.2
Health Status/Health Serv Contact	V01-V82	0	0	0	0
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	0	0	0	0
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
<b>Total</b>		<b>297</b>	<b>67.8</b>	<b>58.9</b>	<b>78.0</b>

\*Includes all diagnoses reported with an absence of 5 or more days.

\*\*Standardized to age distribution of 1970 U.S. population.

\*\*\*Only women aged 18-45 were included in the calculation of the rates for these diagnostic categories.

## Rocky Flats 1999

## Appendix N. Relative Risk Estimates for Selected Diagnostic Categories Among 5-Day Absences

Diagnostic Category	Administration 1,697 Person-Years				Professional 333 Person-Years				Technical 153 Person-Years			
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	88	0.9	0.7	1.2	14	0.8	0.5	1.3	9	1.1	0.6	2.1
Mental Disorders	3	0.3	0.1	1.0	0				0			
Nervous System & Sense Organs	10	1.7	0.7	4.3	1	0.7	0.1	5.0	0			
Respiratory System	28	1.3	0.8	2.3	2	0.4	0.1	1.8	5	2.7	1.0	6.8
Digestive System	12	1.3	0.6	3.0	1	0.4	0.1	3.3	1	1.0	0.1	7.5
Genitourinary System	5	0.4	0.1	1.3	2	1.9	0.4	7.9	1	2.0	0.2	16.0
Musculoskeletal & Connective Tissue	15	0.5	0.3	1.0	3	0.7	0.2	2.1	3	1.5	0.5	4.9
Symptoms, Signs, & Ill- Defined Cond.	10	2.5	0.8	7.8	2	1.7	0.4	7.5	0			
Injury & Poisoning	18	1.2	0.6	2.2	2	0.5	0.1	2.2	2	1.3	0.3	5.3
Sprains & Strains-Other	6	1.4	0.4	4.6	0				1	2.3	0.3	18.7

Diagnostic Category	Service 56 Person-Years				Security 308 Person-Years				Crafts and Manual Labor 613 Person-Years			
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	4	1.7	0.6	4.6	13	1.0	0.6	1.7	31	0.9	0.6	1.4
Mental Disorders	0				2	2.5	0.6	10.5	2	1.4	0.3	6.4
Nervous System & Sense Organs	0				1	1.0	0.1	7.4	2	0.7	0.1	3.0
Respiratory System	0				2	0.5	0.1	2.0	4	0.4	0.2	1.2
Digestive System	0				3	2.1	0.6	6.6	5	1.2	0.5	3.3
Genitourinary System	1	6.6	0.9	50.3	0				3	2.0	0.5	7.8
Musculoskeletal & Connective Tissue	1	1.8	0.2	12.9	4	1.2	0.4	3.2	12	1.6	0.8	3.2
Symptoms, Signs, & Ill- Defined Cond.	0				1	1.0	0.1	6.8	0			
Injury & Poisoning	2	3.9	1.0	16.1	1	0.3	0.03	2.5	5	0.7	0.3	1.8
Sprains & Strains-Other	0				1	1.6	0.1	18.6	1	0.4	0.05	3.4

\* Persons with multiple absences during the time period were counted only once.

\*\* RR = Relative Risk. Adjusted for age and gender; compared with all job categories.

\*\*\* CI = Confidence Limit

(CONTINUED)

## Rocky Flats 1999

## Appendix N. Relative Risk Estimates for Selected Diagnostic Categories Among 5-Day Absences

Diagnostic Category	Nuclear 501 Person-Years				Other/Unknown 3 Person-Years				Total Persons with 1+ Event
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	
All Diagnostic Categories	35	1.5	1.0	2.1	0				194
Mental Disorders	5	5.1	1.6	16.6	0				12
Nervous System & Sense Organs	2	1.0	0.2	4.2	0				16
Respiratory System	9	1.5	0.7	3.1	0				50
Digestive System	1	0.3	0.03	2.1	0				23
Genitourinary System	2	1.3	0.3	5.6	0				14
Musculoskeletal & Connective Tissue	9	1.6	0.8	3.2	0				47
Symptoms, Signs, & Ill- Defined Cond.	1	0.5	0.1	4.1	0				14
Injury & Poisoning	7	1.5	0.7	3.4	0				37
Sprains & Strains-Other	2	1.5	0.3	6.7	0				11

\* Persons with multiple absences during the time period were counted only once.

\*\* RR = Relative Risk. Adjusted for age and gender; compared with all job categories.

\*\*\* CI = Confidence Limit

## Rocky Flats 1999

## Appendix 0. Sentinel Health Events for Occupations (SHE0)

The following two tables list the disease conditions that have been identified as definitely SHEOs or as possibly SHEOs, respectively (Rutstein DD et al, Sentinel Health Events [Occupational]: A Basis for Physician Recognition and Public Health Surveillance. *American Journal of Public Health*. 1983, 73(9):1054-1062). To make these categories more meaningful to the DOE workplace environment, these two SHEO categories have been evaluated taking into account workplace exposures in the DOE complex to define two additional groups of diagnoses called *production* and *nonproduction*. These are designated in last column of each table, labelled *DOE Complex Exposure Potential*. Each group is defined as follows:

**Production:** Disease conditions that can result from exposures that may occur during production or cleanup activities within the DOE complex. Twenty-two conditions are included in this group.

**Nonproduction:** Disease conditions that can be related to occupations within the DOE complex but not exposures related to production or cleanup activities. There are 11 conditions in this group.

Conditions for which neither designation has been assigned may occur in the work force but are less likely to be related to exposures in the DOE complex than those conditions with a designation of *production* or *nonproduction*.

Diagnoses - Definitely SHEOs		
ICD-9	Condition	DOE Complex Exposure Potential
155	Hemangiosarcoma of the liver	
158, 163	Mesothelioma (MN of peritoneum and pleura)	Production
187.7	Malignant neoplasm of scrotum	Production
354	Carpal tunnel syndrome	Nonproduction
354.0	Mononeuritis of upper limb and mononeuritis multiplex	
495.4	Maltworker's lung	
495.5	Mushroom worker's lung	
495.8	Grain handler's lung, Sequoiosis	
495.9	Unspecified allergic alveolitis	
500	Coal worker's pneumoconiosis	
501	Asbestosis	Production
502	Silicosis, Talcosis	Production
503	Chronic beryllium disease of the lung	
504	Byssinosis	
506.0	Acute bronchitis, pneumonitis, and pulmonary edema due to fumes and vapors	Nonproduction

(CONTINUED)

## Rocky Flats 1999

## Appendix 0. Sentinel Health Events for Occupations (SHE0)

Diagnoses - Possibly SHEOs		
ICD-9	Condition	DOE Complex Exposure Potential
011	Pulmonary tuberculosis	
011, 502	Silicotuberculosis	Production
020	Plague	
021	Tularemia	
022	Anthrax	
023	Brucellosis	
031.1	Fish-fancier's finger	
054.6	Herpetic whitlow	
037	Tetanus	Nonproduction
042	Human immunodeficiency virus	
056	Rubella	
070.0, 070.1	Hepatitis A	
070.2, 070.3	Hepatitis B	
070.4	Non-A, non-B hepatitis	
071	Rabies	Nonproduction
073	Ornithosis	
082.0	Rocky Mountain spotted fever	
100.8	Leptospirosis	
115	Histoplasmosis	Nonproduction
117.1	Sporotrichosis	
147	Malignant neoplasm of nasopharynx	Nonproduction
160.0	Malignant neoplasm of nasal cavities	Nonproduction
161	Malignant neoplasm of larynx	Production
162	Malignant neoplasm of trachea, bronchus, and lung	Production
170	Malignant neoplasm of bone	Production

(CONTINUED)



## Rocky Flats 1999

## Appendix 0. Sentinel Health Events for Occupations (SHE0)

Diagnoses - Possibly SHEOs		
ICD-9	Condition	DOE Complex Exposure Potential
188	Malignant neoplasm of bladder	Production
189	Malignant neoplasm of kidney, other, and unspecified urinary organs	Nonproduction
204.0	Lymphoid leukemia Acute	Production
205.0	Myeloid leukemia, acute	Production
207.0	Erythroleukemia	Production
283.1	Hemolytic anemia, nonautoimmune	
284.8	Aplastic anemia	Production
288.0	Agranulocytosis or neutropenia	Production
289.7	Methemoglobinemia	Nonproduction
323.7	Toxic encephalitis	Production
332.1	Parkinson's disease (secondary)	
334.3	Cerebellar ataxia	Production
357.7	Inflammatory and toxic neuropathy	Production
366.4	Cataract	Production
388.1	Noise effects on inner ear	Production
443.0	Raynaud's phenomenon (secondary)	Nonproduction
493.0, 507.8	Extrinsic asthma	Nonproduction
570, 573.3	Toxic hepatitis	Production
584, 585	Acute or chronic renal failure	Production
606	Infertility, male	
692	Contact and allergic dermatitis	Production
733.9	Skeletal fluorosis	

Rocky Flats 1999

OSHA Data

Appendix P. Number of Workers with at Least One OSHA Event by Gender, Age, and Job Category\*

	Women					Men						
	Age Group					Age Group						
	16 -	30 -	40 -			16 -	30 -	40 -			Total	
	29	39	49	50 +	Total	29	39	49	50 +	Total	Total	
Job Category												
Administration	1	2	4	3	10	2	1	11	6	20	30	
Professional	0	0	0	0	0	0	0	0	1	1	1	
Technical	0	0	2	1	3	0	1	4	1	6	9	
Service	0	0	0	0	0	0	0	1	0	1	1	
Security	0	1	0	0	1	1	8	1	0	10	11	
Crafts & Manual Labor	0	0	1	0	1	0	2	8	7	17	18	
Nuclear	1	0	3	1	5	0	1	3	3	7	12	
Total	2	3	10	5	20	3	13	28	18	62	82	

\*Only those job categories with at least one OSHA event appear in this table.

Rocky Flats 1999

OSHA Data

Appendix Q. Total Number of Workdays Lost or with Restricted Activity from OSHA Events by Gender and Age

	Women	Men	Total
# of Days			
# of Restricted Days			
# of Events			
Age Group			
16 - 29	2	6	0
30 - 39	3	0	0
40 - 49	10	56	0
50 +	5	33	0
Total	20	95	0

Rocky Flats 1999

OSHA Data

Appendix R. Total Number of Workdays Lost or with Restricted Activity from OSHA Events by Gender and Job Category\*

	Women		Men		Total				
	Days	# of Restr- Events, icted , Lost	Days	# of Restr- Events, icted , Lost	Days	# of Restr- Events, icted , Lost	%		
Job Category									
Administration	10,	18,	0,	20,	200,	12,	30,	218,	12,
Professional	0,	0,	0,	1,	0,	0,	1,	0,	0,
Technical	3,	34,	0,	6,	31,	1,	9,	65,	1,
Service	0,	0,	0,	1,	4,	0,	1,	4,	0,
Security	1,	0,	0,	11,	39,	2,	12,	39,	2,
Crafts & Manual Labor	1,	2,	0,	18,	293,	10,	19,	295,	10,
Nuclear	5,	41,	0,	7,	6,	0,	12,	47,	0,
Total	20,	95,	0,	64,	573,	25,	84,	668,	25,

\*Only those job categories with at least one OSHA event appear in this table.

Rocky Flats 1999

OSHA Data

Appendix S. Number of Diagnoses in Each Diagnostic Category by Gender and Age\*

Diagnostic Category	Women					Men					Total	
	Age Group					Age Group						
	16 -	30 -	40 -	50 +	Total	16 -	30 -	40 -	50 +	Total		
NERVOUS SYSTEM (NS) & SENSE ORGANS - Disorders of, 350-359	0	0	0	0	0	0	0	0	1	0	1	1
Peripheral NS, Eye	0	0	0	0	0	0	0	0	1	0	1	1
SKIN & SUBCUTANEOUS TISSUE - Other, 690-698	0	0	2	0	2	0	0	0	2	3	5	7
Inflammatory Conditions - Other, 700-709	0	0	2	0	2	0	0	0	1	3	4	6
MUSCULOSKELETAL & CONNECTIVE TISSUE - Arthropathies, 710-719	1	5	8	4	18	2	9	9	7	27	45	45
-Dorsopathies, 720-724	0	0	2	1	3	1	5	2	0	8	11	11
-Rheumatism, Excluding Back, 725-729	0	0	2	2	4	0	1	2	4	7	11	11
SYMPTOMS, SIGNS, & ILL-DEFINED COND. - Symptoms, 780-789	0	0	2	0	2	0	1	2	3	6	8	8
INJURY & POISONING	1	2	5	4	12	8	15	23	16	62	74	74

\*Only those diagnostic categories with at least one OSHA event appear in this table.

(CONTINUED)

Rocky Flats 1999

OSHA Data

Appendix S. Number of Diagnoses in Each Diagnostic Category by Gender and Age\*

Diagnostic Category	Women					Men					Total
	Age Group					Age Group					
	16 -	30 -	40 -	50 +	Total	16 -	30 -	40 -	50 +	Total	
- Fracture - ICD- 9- CM Code											
Upper Limb	0	0	0	0	0	1	0	1	2	4	4
- Sprains & Strains - Back	0	0	2	0	2	2	2	1	1	6	8
- Sprains & Strains - Other	0	1	1	2	4	1	4	5	3	13	17
- Open Wound - Head, Neck, Trunk	0	0	0	0	0	1	0	3	1	5	5
- Open Wound - Upper Limb	0	0	1	0	1	1	1	6	5	13	14
- Open Wound - Lower Limb	0	0	0	0	0	0	0	0	1	1	1
- Contusion - Injury	0	0	0	2	2	1	3	3	1	8	10
- Crushing Injury to Nerves & Spinal Cord	0	0	0	0	0	0	1	0	0	0	1
- Complications & Unspecified Injuries	1	0	0	0	1	1	4	4	2	11	12
- Unspecified Effects - External Causes	0	0	1	0	1	0	0	0	0	0	1
Total	2	7	17	8	34	10	25	38	29	102	136

\*Only those diagnostic categories with at least one OSHA event appear in this table.

Rocky Flats 1999

OSHA Data

Appendix T. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Age\*

.....-.....†

Women

Age Group

16 - 29 , 30 - 39 , 40 - 49 , 50 + ,

Days, Days, Days, Days, ,

Res-, Res-, Res-, Res-, ,

tri-, Days, tri-, Days, tri-, Days, tri-, Days,

cted, Lost, cted, Lost, cted, Lost, cted, Lost,

.....%o

Diagnostic , ICD-9-CM Codes, , , , , , , , , ,

Category , , , , , , , , , ,

.....%o

-Other , 690- 698 , , , , , , , , , ,

Inflammatory , , , , , , , , , ,

Conditions , 0, 0, 0, 0, 13, 0, 0, 0,

.....%o

-Arthropathi-, 710- 719 , , , , , , , , , ,

es , 6, 0, 0, 0, 34, 0, 0, 0,

.....%o

-Dorsopathi es, 720- 724 , 0, 0, 0, 0, 7, 0, 0, 0,

.....%o

-Rheumati sm, , 725- 729 , , , , , , , , , ,

Excludi ng , , , , , , , , , ,

Back , 0, 0, 0, 0, 32, 0, 9, 0,

.....%o

-Symptoms , 780- 789 , 0, 0, 0, 0, 4, 0, 0, 0,

.....%o

-Sprains & , 846- 847 , , , , , , , , , ,

Strains - , , , , , , , , , ,

Back , 0, 0, 0, 0, 9, 0, 0, 0,

.....%o

-Sprains & , 840- 845, 848 , , , , , , , , , ,

Strains - , , , , , , , , , ,

Other , 0, 0, 0, 0, 0, 0, 22, 0,

.....%o

-Open Wound -, 880- 887 , , , , , , , , , ,

Upper Limb , 0, 0, 0, 0, 0, 0, 0, 0,

.....%o

-Contusi on , 920- 924 , 0, 0, 0, 0, 0, 0, 11, 0,

.....%o

-Injury to , 950- 957 , , , , , , , , , ,

Nerves & , , , , , , , , , ,

Spinal Cord , 0, 0, 0, 0, 0, 0, 0, 0,

.....%o

-Complicati o-, 958- 959 , , , , , , , , , ,

ns & , , , , , , , , , ,

Unspeci fied , , , , , , , , , ,

Injuri es , 0, 0, 0, 0, 0, 0, 0, 0,

.....%o

\*OSHA events with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

OSHA Data

Appendix T. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Age\*

```

„ffffffffffffffffffffffffffffffff..fffffffffffffffffffffffffffffffffffff†
,
,                               Women
,                               ,
,                               ‡fffffffffffffffffffffffffffffffffffff%o
,                               Age Group
,                               ,
,                               ‡fffffffffff..fffffffffff..fffffffffff..fffffffffff%o
,                               , 16 - 29 , 30 - 39 , 40 - 49 , 50 + ,
,                               ‡fffff..fffff^fffff..fffff^fffff..fffff^fffff..fffff%o
,                               , Days, , Days, , Days, , Days, ,
,                               , Res-, , Res-, , Res-, , Res-, ,
,                               , tri-, Days, tri-, Days, tri-, Days, tri-, Days,
,                               , cted, Lost, cted, Lost, cted, Lost, cted, Lost,
‡ffffffffffffffff..ffffffffffffffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff%o
, Diagnostic , ICD- 9- CM Codes, , , , , , , , , ,
, Category , , , , , , , , , ,
‡ffffffffffffffff^ffffffffffffffff%o , , , , , , , , ,
, - Unspeci fied , 990- 995 , , , , , , , , , ,
, Effects - , , , , , , , , , ,
, External , , , , , , , , , ,
, Causes , , 0, 0, 0, 0, 2, 0, 0, 0,
Šffffffffffffffff<ffffffffffffffff<fffff<fffff<fffff<fffff<fffff<fffff<fffff<fffffœ

```

\*OSHA events with >1 ICD-9- CM code in the same diagnostic category were counted only once. Only those diagnostic categories with at least one occurrence appear in this table.

(CONTINUED)



Rocky Flats 1999

OSHA Data

Appendix T. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Age\*

Men									
Age Group									
	16 - 29	30 - 39	40 - 49	50 +					
Days, Res-, tri-, cted, Lost,	Days, Res-, tri-, cted, Lost,	Days, Res-, tri-, cted, Lost,	Days, Res-, tri-, cted, Lost,	Days, Res-, tri-, cted, Lost,					
Diagnostic Category									
- Disorders of, 350-359									
Peripheral NS,	0	0	0	0	60	0	0	0	0
- Disorders of, 360-379									
Eye	0	0	0	0	0	0	0	0	0
- Other, 690-698									
Inflammatory Conditions	0	0	0	0	1	0	0	0	0
- Other, 700-709	0	0	0	0	0	0	0	0	0
- Arthropathies, 710-719									
es	1	1	37	1	169	9	109	0	0
- Dorsopathies, 720-724	1	1	92	1	1	1	0	0	0
- Rheumatism, 725-729									
Excluding									
Back	0	0	0	0	13	1	38	0	0
- Symptoms, 780-789	0	0	0	0	9	1	23	0	0
- Fracture - , 810-819									
Upper Limb	1	1	0	0	0	0	0	0	0
- Sprains & , 846-847									
Strains -									
Back	1	1	35	0	0	1	0	0	0
- Sprains & , 840-845, 848									
Strains -									
Other	1	0	3	1	54	9	33	0	0
- Open Wound -, 870-879									
Head, Neck,									
Trunk	1	1	0	0	0	0	0	0	0

\*OSHA events with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

OSHA Data

Appendix T. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Age\*

```

„fffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff†
,
,                               Men
,                               ,
,                               †ffffffffffffffffffffffffffffffffffffffff%
,                               ,
,                               Age Group
,                               †fffffffffff...fffffffffff...fffffffffff...
,                               , 16 - 29 , 30 - 39 , 40 - 49 , 50 + ,
,                               †fffff...fffff^fffff...fffff^fffff...fffff^fffff...
,                               , Days, , Days, , Days, , Days, ,
,                               , Res-, , Res-, , Res-, , Res-, ,
,                               , tri-, Days, tri-, Days, tri-, Days, tri-, Days,
,                               , cted, Lost, cted, Lost, cted, Lost, cted, Lost,
†fffffffffffffffffff...fffffffffffffffffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff%
, Diagnostic , ICD- 9- CM Codes, , , , , , , , , ,
, Category , , , , , , , , , ,
†fffffffffffffffffff^fffffffffffffffffff% , , , , , , , , ,
, -Open Wound -, 880- 887 , , , , , , , , , ,
, Upper Limb , , 0, 0, 0, 0, 0, 1, 0, 0,
†fffffffffffffffffff^fffffffffffffffffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff%
, -Open Wound -, 890- 897 , , , , , , , , , ,
, Lower Limb , , 0, 0, 0, 0, 0, 0, 0, 0,
†fffffffffffffffffff^fffffffffffffffffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff%
, -Contusion , 920- 924 , 1, 1, 0, 0, 9, 1, 5, 0,
†fffffffffffffffffff^fffffffffffffffffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff%
, -Crushi ng , 925- 929 , , , , , , , , , ,
, Injury , , 0, 0, 0, 0, 0, 0, 0, 0,
†fffffffffffffffffff^fffffffffffffffffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff^fffff%
, -Complicatio-, 958- 959 , , , , , , , , , ,
, ns & , , , , , , , , , ,
, Unspeci fied , , , , , , , , , ,
, Injuries , , 1, 1, 136, 11, 10, 1, 19, 0,

```

\*OSHA events with >1 ICD-9- CM code in the same diagnostic category were counted only once. Only those diagnostic categories with at least one occurrence appear in this table.

Rocky Flats 1999

OSHA Data

Appendix U. Number of Occurrences in Each Accident Category by Gender and Age\*

Type of Accident	Women					Men					Total
	16 - 29	30 - 39	40 - 49	50 +	Total	16 - 29	30 - 39	40 - 49	50 +	Total	
Motor Vehicle, E810-E819											
Traffic	0	0	0	0	0	0	0	0	1	0	1
Falls, E880-E888	0	0	1	0	1	1	1	2	4	3	10
Other, E916-E928											
Accidents	2	3	6	5	16	3	11	20	16	50	66

\*Only those accident types with at least one occurrence appear in this table.

Rocky Flats 1999

OSHA Data

Appendix V. Number of Workdays Lost or with Restricted Activity in Each Accident Category by Gender and Age\*

```

„fffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff†
,
,                               Women
,                               ,
,                               †fffffffffffffffffffffffffffffffffffffffff%o
,                               Age Group
,                               ,
,                               †fffffffffff~fffffffffff~fffffffffff~fffffffffff%o
,                               , 16 - 29 , 30 - 39 , 40 - 49 , 50 + ,
,                               †ffff~ffff^ffff~ffff^ffff~ffff^ffff~ffff~ffff%o
,                               , Days, , Days, , Days, , Days, ,
,                               , Res-, , Res-, , Res-, , Res-, ,
,                               , tri-, Days, tri-, Days, tri-, Days, tri-, Days,
,                               , cted, Lost, cted, Lost, cted, Lost, cted, Lost,
†ffffffffffffffff~ffffffffffffffff~ffff~ffff~ffff~ffff~ffff~ffff~ffff~ffff%o
, Type of , E Codes , , , , , , , , ,
, Accident , , , , , , , , ,
†ffffffffffffffff~ffffffffffffffff%o
, Falls , E880-E888 , 0, 0, 0, 0, 0, 0, 0, 0,
†ffffffffffffffff~ffffffffffffffff~ffff~ffff~ffff~ffff~ffff~ffff~ffff~ffff%o
, Other , E916-E928 , , , , , , , , ,
, Accidents , , 6, 0, 0, 0, 13, 0, 33, 0,
Šffffffffffffffff<ffffffffffffffff<ffff<ffff<ffff<ffff<ffff<ffff<ffff<ffffœ

```

\*OSHA events with >1 E code in the same accident type were counted only once. Only those accident types with at least one occurrence appear in this table.

(CONTINUED)



Rocky Flats 1999

OSHA Data

Appendix W Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

		Women					
		Job Category					
		%					
		Craf-,					
		Admi -, , ts & , ,					
		nist-, , Manu-, , ,					
		rati -, Tech-, Secu-, al , Nucl-, ,					
		on , nical, rity , Labor, ear , Total,					
Diagnostic Category	ICD-9-CM Code						
SKIN & SUBCUTANEOUS TISSUE	680-709						
-Other	690-698	0	0	0	0	2	2
Inflammatory Conditions		0	0	0	0	2	2
MUSCULOSKELETAL & CONNECTIVE TISSUE	710-739						
-Arthropathies	710-719	6	3	1	0	1	11
-Dorsopathies	720-724	3	0	0	0	0	3
-Rheumatism, Excluding Back	725-729	3	1	0	0	0	4
SYMPTOMS, SIGNS, & ILL-DEFINED COND.	780-799						
-Symptoms	780-789	1	1	0	0	0	2
INJURY & POISONING	800-999						
-Sprains & Strains - Back	846-847	6	2	1	1	2	12
-Sprains & Strains - Other	840-845, 848	1	0	0	1	0	2

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

OSHA Data

Appendix W. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

		Women							
		Job Category							
		Craf-	Admi -	ts &	nist-	Manu-	rati -	Tech-	
		Secu-	al	Nucl-	on	nic	al	ity	
		Labor	ear	Total					
Di agnostic	ICD-9-CM Code								
Category									
-Open Wound	880-887								
Upper Limb		1	0	0	0	0	1		
-Contusion	920-924	1	1	0	0	0	2		
-Injury to	950-957								
Nerves &									
Spinal Cord		0	0	1	0	0	1		
-Complicatio-	958-959								
ns &									
Unspeci fied									
Injuries		1	0	0	0	0	1		
-Unspeci fied	990-995								
Effects -									
External									
Causes		0	1	0	0	0	1		
Total		19	7	2	1	5	34		

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)





Rocky Flats 1999

OSHA Data

Appendix W. Number of Diagnoses in Each Diagnostic Category by Gender and Job Category\*

Men																				
Job Category																				
	Craf-	Admi-	nist-	Prof-	Manu-	rati-	essi-	Tech-	Serv-	Secu-	al	Nucl-	on	onal	nical	ice	urity	Labor	ear	Total
Diagnostic Category																				
INJURY & POISONING	22	0	6	0	13	13	8	62												
- Fracture - Upper Limb	2	0	0	0	0	1	1	4												
- Sprains & Strains - Back	1	0	0	0	4	1	0	6												
- Sprains & Strains - Other	5	0	1	0	4	1	2	13												
- Open Wound - Head, Neck, Trunk	3	0	0	0	0	1	1	5												
- Open Wound - Upper Limb	5	0	2	0	0	4	2	13												
- Open Wound - Lower Limb	0	0	0	0	0	1	0	1												
- Contusion	2	0	1	0	3	0	2	8												
- Crushing Injury	0	0	0	0	0	1	0	1												
- Complications & Unspecified Injuries	4	0	2	0	2	3	0	11												
Total	36	1	11	1	22	21	10	102												

\*Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Rocky Flats 1999

OSHA Data

Appendix X. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Job Category\*

Women										
Diagnostic Category	ICD-9-CM Codes	0	0	0	0	0	0	0	0	0
-Other	690-698									
Inflammatory	Conditions	0	0	0	0	0	0	0	13	0
-Arthropathies	710-719	2	0	32	0	0	0	0	0	6
-Dorsopathies	720-724	7	0	0	0	0	0	0	0	0
-Rheumatism	725-729									
Excluding	Back	11	0	30	0	0	0	0	0	0
-Symptoms	780-789	2	0	2	0	0	0	0	0	0
-Sprains &	846-847									
Sprains -	Back	7	0	0	0	0	0	2	0	0
-Sprains &	840-845, 848									
Sprains -	Other	0	0	0	0	0	0	0	0	22
-Open Wound -	880-887									
Upper Limb		0	0	0	0	0	0	0	0	0
-Contusion	920-924	9	0	2	0	0	0	0	0	0
-Injury to	950-957									
Nerves &	Spinal Cord	0	0	0	0	0	0	0	0	0
-Complications	958-959									
ns &	Unspecified									
Injuries		0	0	0	0	0	0	0	0	0

\*OSHA events with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

OSHA Data

Appendix X. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Job Category\*

Women										
Job Category										
	Administration	Technical	Security	Labor	Nuclear	Crafts & Maintenance	Manual	Other	Unspecified	Total
Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days
Res-cted	Res-cted	Res-cted	Res-cted	Res-cted	Res-cted	Res-cted	Res-cted	Res-cted	Res-cted	Res-cted
Lost	Lost	Lost	Lost	Lost	Lost	Lost	Lost	Lost	Lost	Lost
0	0	2	0	0	0	0	0	0	0	0

\*OSHA events with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

OSHA Data

Appendix X. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Job Category\*

Men															
Job Category															
	Administration	Professional	Technical	Service	Security	Labor	Nuclear	Crafts & Related	Manual	Other	Unemployed	Retired	Reserve	Other	Other
Diagnostic Category	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days
- Disorders of, 350-359	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Disorders of, 360-379	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Other, 690-698															
- Inflammatory Conditions	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
- Other, 700-709	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Arthropathies, 710-719	54	10	0	0	22	0	0	0	37	1	203	0	0	0	0
- Dorsopathies, 720-724	58	2	0	0	0	0	0	0	35	1	1	0	0	0	0
- Rheumatism, 725-729															
- Excluding Back	28	0	0	0	9	1	4	0	0	0	10	0	0	0	0
- Symptoms, 780-789	13	0	0	0	9	1	0	0	0	0	10	0	0	0	0
- Fracture - Upper Limb	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
- Sprains & Strains - Back	1	1	0	0	0	0	0	0	35	1	0	0	0	0	0
- Sprains & Strains - Other	82	9	0	0	0	0	0	0	4	1	0	0	5	0	0

\*OSHA events with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

OSHA Data

Appendix X. Number of Workdays Lost or with Restricted Activity in Each Diagnostic Category by Gender and Job Category\*

Men															
Job Category															
	Administration	Professional	Technical	Service	Security	Labor	Nuclear	Crafts & Related	Manual	Other	Unemployed	Retired	Reserve	Other	Other
Diagnostic Category	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days	Days
- Open Wound - , 870- 879	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Head, Neck, Trunk	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
- Open Wound - , 880- 887	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Upper Limb	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
- Open Wound - , 890- 897	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lower Limb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Contusion , 920- 924	1	1	0	0	9	1	0	0	0	0	0	0	0	5	0
- Crushing Injury , 925- 929	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Complication , 958- 959															
ns & Unspecified Injuries	59	2	0	0	9	1	0	0	0	0	0	98	10	0	0

\*OSHA events with >1 ICD-9-CM code in the same diagnostic category were counted only once. Only those diagnostic categories and gender/job category combinations with at least one occurrence appear in this table.

Rocky Flats 1999

OSHA Data

Appendix Y. Number of Occurrences in Each Accident Category by Gender and Job Category\*

		Women					
		Job Category					
		Craf-	Admi -	ts &	nist-	Manu-	rati -
		Tech-	Secu-	al	Nucl-	on	nical
		rity	Labor	ear	Total		
Type of Accident	E CODES						
Falls	E880-E888	0	0	0	0	1	1
Other	E916-E928						
Accidents		10	2	1	1	2	16

\*Only those accident types and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)

Rocky Flats 1999

OSHA Data

Appendix Y. Number of Occurrences in Each Accident Category by Gender and Job Category\*

		Men																			
		Job Category																			
		Craf-	Admi -	ni st -	Prof -	Manu -	rati -	essi -	Tech -	Serv -	Secu -	al	Nucl -	on	onal	nical	ice	urity	Labor	ear	Total
Type of Accident	E CODES																				
Motor Vehicle, E810-E819																					
Traffic		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Falls, E880-E888			2	0	1	0	3	3	1	10											
Other, E916-E928																					
Accidents		15	1	4	1	8	15	6	50												

\*Only those accident types and gender/job category combinations with at least one occurrence appear in this table.

Rocky Flats 1999

OSHA Data

Appendix Z. Number of Workdays Lost or with Restricted Activity in Each Accident Category by Gender and Job Category\*

Women											
Job Category											
	Administration	Technical	Security	Labor	Nuclear	Crafts & Repair	Manual	Other	Residential	Trips	Lost
Type of Accident	E Codes	E Codes	E Codes	E Codes	E Codes	E Codes	E Codes	E Codes	E Codes	E Codes	E Codes
Falls	E880-E888	0	0	0	0	0	0	0	0	0	0
Other	E916-E928	18	0	4	0	0	0	2	0	28	0

\*OSHA events with >1 E code in the same accident type were counted only once. Only those accident types and gender/job category combinations with at least one occurrence appear in this table.

(CONTINUED)



Rocky Flats 1999

OSHA Data

Appendix Z. Number of Workdays Lost or with Restricted Activity in Each Accident Category by Gender and Job Category\*

Men															
Job Category															
Type of Accident	E Codes														
Motor Vehicle, E810-E819	Traffic	0	0	0	0	9	1	0	0	0	0	0	0	0	0
Falls, E880-E888		2	1	0	0	0	0	0	0	0	1	1	0	5	0
Other, E916-E928	Accidents	198	11	0	0	22	0	4	0	39	1	292	10	5	0

\*OSHA events with >1 E code in the same accident type were counted only once. Only those accident types and gender/job category combinations with at least one occurrence appear in this table.

## Rocky Flats 1999

## OSHA Data

## Appendix AA. Age-Adjusted Rates for All OSHA-Recordable Diagnoses Combined and Injury by Gender

## Part 1. Age-Adjusted Rates for All OSHA-Recordable Diagnoses Among Women by Job Category from 1994 to 1999

## Rate per 1,000 Women

Year	Administration			Professional			Technical			Service		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1994	28	42	63	9	25	64	59	92	144	50	118	278
1995	18	26	38	6	22	90	36	63	110	51	135	357
1996	44	64	92	5	15	46	5	19	77	36	119	395
1997	26	37	54	21	44	92	0	0	0	0	0	0
1998	20	30	45	0	0	0	49	118	283	0	0	0
1999	18	39	84	0	0	0	74	157	334	0	0	0

Year	Security			Crafts & Manual Labor			Nuclear			Other/Unknown		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1994	*	*	*	0	0	0	43	87	175	0	0	0
1995	0	0	0	6	45	322	79	149	278	0	0	0
1996	11	34	107	0	0	0	47	90	173	59	126	270
1997	25	152	935	26	91	313	66	120	219	72	126	218
1998	79	168	355	0	0	0	58	110	207	**	**	**
1999	11	43	170	2	14	101	23	70	211	**	**	**

\*Service and Security workers are combined.

\*\*No workers in this category.

## Part 2. Age-Adjusted Rates for All OSHA-Recordable Diagnoses Among Men by Job Category from 1994 to 1999

## Rate per 1,000 Men

Year	Administration			Professional			Technical			Service		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1994	7	13	25	15	24	39	43	58	77	80	120	181
1995	4	7	11	4	8	14	21	36	61	90	151	254
1996	14	22	35	2	5	13	13	23	41	24	47	94
1997	12	26	58	2	5	17	37	60	95	31	101	328
1998	17	24	34	1	4	19	16	34	72	0	0	0
1999	36	59	99	<1	2	16	24	46	87	2	15	107

Year	Security			Crafts & Manual Labor			Nuclear			Other/Unknown		
	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper	Lower	Mid	Upper
1994	*	*	*	54	74	101	78	117	174	0	0	0
1995	10	26	68	44	63	91	23	43	80	10	31	99
1996	57	91	144	67	92	126	24	40	65	15	40	106
1997	23	40	70	59	93	146	24	38	61	14	39	108
1998	12	23	43	13	22	39	12	26	58	**	**	**
1999	32	65	132	15	23	37	12	27	59	0	0	0

\*Service and Security workers are combined.

\*\*No workers in this category.

(CONTINUED)

## Rocky Flats 1999

## OSHA Data

## Appendix AA. Age-Adjusted Rates for All OSHA-Recordable Diagnoses Combined and Injury by Gender

## Part 3. Age-Adjusted Rates for Injury by Gender from 1994 to 1999

Rate per 1,000

Year	Injury Men			Injury Women		
	Lower	Mid	Upper	Lower	Mid	Upper
1994	28	34	42	31	42	57
1995	18	24	32	21	29	40
1996	16	21	27	14	22	34
1997	17	25	37	12	20	34
1998	10	14	19	14	21	31
1999	22	33	49	7	17	41

## Rocky Flats 1999

## OSHA Data

## Appendix BB. OSHA Diseases and Injuries by Diagnostic Category

## Part 1. Men

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses*	Age- Adjusted Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001-139	0	0	0	0
Malignant Neoplasms	140-208, 230-234	0	0	0	0
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	0	0	0	0
- Breast	174-175	0	0	0	0
- Genitourinary	179-189	0	0	0	0
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	0	0	0	0
Endocrine & Metabolic Diseases	240-279	0	0	0	0
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	0	0	0	0
- Alcoholism	303	0	0	0	0
- Drug Abuse	304-305	0	0	0	0
Nervous System & Sense Organs	320-389	2	0.4	0.1	1.5
Circulatory System	390-459	0	0	0	0
- Hypertension	401	0	0	0	0
- Acute Myocardial Infarction	410	0	0	0	0
- Ischemic Disease, not M.I.	411-414, 429.2	0	0	0	0
- Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	0	0	0	0
- Upper Respiratory	460-465, 470-478	0	0	0	0
- Pneumonia/Bronchitis	466, 480-487	0	0	0	0
- Chronic Respiratory Conditions	490-496	0	0	0	0
Digestive System	520-579	0	0	0	0
- Hernias	550-553	0	0	0	0
- Gallbladder Disease	574-575	0	0	0	0
Genitourinary System	580-629	0	0	0	0
- Benign Prostatic Hypertrophy	600	0	0	0	0
Skin & Subcutaneous Tissue	680-709	5	1.1	0.5	2.6
Musculoskeletal System	710-739	27	11.3	6.1	20.8
- Dorsopathies	720-724	8	4.3	1.4	12.8
Congenital Anomalies	740-759	0	0	0	0
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	6	1.4	0.6	3.2
Injury & Poisoning	800-999	62	32.5	21.6	48.8
- Fractures, All Sites	800-829	4	2.9	0.6	13.6
- Dislocations	830-839	0	0	0	0
- Sprains & Strains	840-848	19	11.7	5.8	23.5
- Intracranial Injuries	850-854	0	0	0	0
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	19	8.2	3.7	18.2
- Other Injuries	900-999	20	9.6	4.8	19.5
Health Status/Health Serv Contact	V01-V82	0	0	0	0
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	0	0	0	0
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
Total		102	46.7	33.9	64.4

\*Includes all diagnoses reported with an absence of 5 or more days

\*\*Standardized to age distribution of 1970 U.S. population

(CONTINUED)

## Rocky Flats 1999

## OSHA Data

## Appendix BB. OSHA Diseases and Injuries by Diagnostic Category

## Part 2. Women

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses*	Age- Adjusted Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001-139	0	0	0	0
Malignant Neoplasms	140-208, 230-234	0	0	0	0
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	0	0	0	0
- Breast	174-175	0	0	0	0
- Genitourinary	179-189	0	0	0	0
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	0	0	0	0
Endocrine & Metabolic Diseases	240-279	0	0	0	0
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	0	0	0	0
- Alcoholism	303	0	0	0	0
- Drug Abuse	304-305	0	0	0	0
Nervous System & Sense Organs	320-389	0	0	0	0
Circulatory System	390-459	0	0	0	0
- Hypertension	401	0	0	0	0
- Acute Myocardial Infarction	410	0	0	0	0
- Ischemic Disease, not M.I.	411-414, 429.2	0	0	0	0
- Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	0	0	0	0
- Upper Respiratory	460-465, 470-478	0	0	0	0
- Pneumonia/Bronchitis	466, 480-487	0	0	0	0
- Chronic Respiratory Conditions	490-496	0	0	0	0
Digestive System	520-579	0	0	0	0
- Hernias	550-553	0	0	0	0
- Gallbladder Disease	574-575	0	0	0	0
Genitourinary System	580-629	0	0	0	0
- Endometriosis	617	0	0	0	0
- Ovarian Cysts	620.0-620.2	0	0	0	0
- Female Genital Pain/Bleeding	625-626	0	0	0	0
Pregnancy & Childbirth***	630-639	0	0	0	0
Skin & Subcutaneous Tissue	680-709	2	1.4	0.4	5.6
Musculoskeletal System	710-739	18	22.8	11.5	45.1
- Dorsopathies	720-724	3	2.5	0.8	8.1
Congenital Anomalies	740-759	0	0	0	0
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	2	1.4	0.4	5.6
Injury & Poisoning	800-999	12	17.2	7.3	40.8
- Fractures, All Sites	800-829	0	0	0	0
- Dislocations	830-839	0	0	0	0
- Sprains & Strains	840-848	6	5.5	2.4	12.6
- Intracranial Injuries	850-854	0	0	0	0
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	1	0.7	0.1	5.0
- Other Injuries	900-999	5	11.0	3.1	39.5
Health Status/Health Serv Contact	V01-V82	0	0	0	0
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	0	0	0	0
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
<b>Total</b>		<b>34</b>	<b>42.8</b>	<b>25.8</b>	<b>71.0</b>

\*Includes all diagnoses reported with an absence of 5 or more days.

\*\*Standardized to age distribution of 1970 U.S. population.

\*\*\*Only women aged 18-45 were included in the calculation of the rates for these diagnostic categories.

(CONTINUED)

## Rocky Flats 1999

## OSHA Data

## Appendix BB. OSHA Diseases and Injuries by Diagnostic Category

## Part 3. Men &amp; Women

Category of Diagnoses	ICD-9-CM Code	Number of Diagnoses*	Age- Adjusted Rate per 1000**	Lower 95% Confidence Limit per 1000	Upper 95% Confidence Limit per 1000
Infections & Parasitic Diseases	001-139	0	0	0	0
Malignant Neoplasms	140-208, 230-234	0	0	0	0
- Digestive Organs	150-159	0	0	0	0
- Respiratory System	160-165	0	0	0	0
- Breast	174-175	0	0	0	0
- Genitourinary	179-189	0	0	0	0
- Nervous System	191-192	0	0	0	0
- Leukemia, Lymphoma	200-208	0	0	0	0
Benign Neoplasms & Other	210-229, 235-239	0	0	0	0
Endocrine & Metabolic Diseases	240-279	0	0	0	0
Blood & Blood-Forming Organs	280-289	0	0	0	0
Mental Disorders	290-319	0	0	0	0
- Alcoholism	303	0	0	0	0
- Drug Abuse	304-305	0	0	0	0
Nervous System & Sense Organs	320-389	2	0.3	0.1	1.2
Circulatory System	390-459	0	0	0	0
- Hypertension	401	0	0	0	0
- Acute Myocardial Infarction	410	0	0	0	0
- Ischemic Disease, not M.I.	411-414, 429.2	0	0	0	0
- Cerebrovascular Disease	430-438	0	0	0	0
Respiratory System	460-519	0	0	0	0
- Upper Respiratory	460-465, 470-478	0	0	0	0
- Pneumonia/Bronchitis	466, 480-487	0	0	0	0
- Chronic Respiratory Conditions	490-496	0	0	0	0
Digestive System	520-579	0	0	0	0
- Hernias	550-553	0	0	0	0
- Gallbladder Disease	574-575	0	0	0	0
Genitourinary System	580-629	0	0	0	0
- Benign Prostatic Hypertrophy	600	0	0	0	0
- Endometriosis	617	0	0	0	0
- Ovarian Cysts	620.0-620.2	0	0	0	0
- Female Genital Pain/Bleeding	625-626	0	0	0	0
Pregnancy & Childbirth***	630-639	0	0	0	0
Skin & Subcutaneous Tissue	680-709	7	1.2	0.6	2.5
Musculoskeletal System	710-739	45	13.8	8.7	22.0
- Dorsopathies	720-724	11	3.8	1.5	9.8
Congenital Anomalies	740-759	0	0	0	0
Certain Perinatal Conditions	760-779	0	0	0	0
Symptoms, Signs, & Ill Defined Cond	780-799	8	1.4	0.7	2.9
Injury & Poisoning	800-999	74	28.9	20.0	41.8
- Fractures, All Sites	800-829	4	2.2	0.5	10.2
- Dislocations	830-839	0	0	0	0
- Sprains & Strains	840-848	25	10.2	5.5	18.8
- Intracranial Injuries	850-854	0	0	0	0
- Internal Injuries	860-869	0	0	0	0
- Open Wounds	870-897	20	6.5	3.1	13.9
- Other Injuries	900-999	25	10.0	5.4	18.5
Health Status/Health Serv Contact	V01-V82	0	0	0	0
- Family History of Health Problems	V10-V19	0	0	0	0
- Circumstances Reproduction/Develop	V20-V28	0	0	0	0
- Specific Procedure/Aftercare	V50-V59	0	0	0	0
<b>Total</b>		<b>136</b>	<b>45.6</b>	<b>34.7</b>	<b>60.0</b>

\*Includes all diagnoses reported with an absence of 5 or more days.

\*\*Standardized to age distribution of 1970 U.S. population.

\*\*\*Only women aged 18-45 were included in the calculation of the rates for these diagnostic categories.

## Rocky Flats 1998

## OSHA Data

## Appendix CC. Relative Risk Estimates for Selected Diagnostic Categories Among OSHA Events

Diagnostic Category	Administration 1,697 Person-Years				Professional 333 Person-Years				Technical 153 Person-Years			
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	30	0.6	0.4	1.0	1	0.1	0.02	0.9	9	2.9	1.4	5.7
Musculoskeletal & Connective Tissue	13	0.6	0.3	1.2	1	0.3	0.04	2.3	5	4.2	1.6	10.9
Injury & Poisoning	21	0.6	0.4	1.1	0				6	2.7	1.2	6.4
Sprains & Strains-Other	7	0.8	0.3	2.0	0				1	1.5	0.2	12.0
Open Wound-Upper Limb	6	1.0	0.3	3.0	0				2	3.5	0.8	15.4

Diagnostic Category	Service 56 Person-Years				Security 308 Person-Years				Crafts and Manual Labor 613 Person-Years			
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***
All Diagnostic Categories	1	0.8	0.1	5.5	11	1.9	0.9	3.9	18	1.5	0.9	2.6
Musculoskeletal & Connective Tissue	1	1.8	0.2	12.6	7	3.1	1.2	8.1	6	1.2	0.5	3.2
Injury & Poisoning	0				10	2.3	1.1	5.1	13	1.5	0.8	2.9
Sprains & Strains-Other	0				4	3.7	0.9	15.0	1	0.3	0.05	2.7
Open Wound-Upper Limb	0				0				4	1.7	0.5	5.1

Diagnostic Category	Nuclear 501 Person-Years				Other/Unknown 3 Person-Years				Total Persons with 1+ Event
	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	Persons with 1+ Event *	RR**	Lower 95% CI***	Upper 95% CI***	
All Diagnostic Categories	12	1.1	0.6	2.0	0				82
Musculoskeletal & Connective Tissue	2	0.4	0.1	1.7	0				35
Injury & Poisoning	8	1.0	0.5	2.1	0				58
Sprains & Strains-Other	4	1.9	0.6	5.5	0				17
Open Wound-Upper Limb	2	1.0	0.2	4.1	0				14

\* Persons with multiple absences during the time period were counted only once.

\*\* RR = Relative Risk. Adjusted for age and gender; compared with all job categories.

\*\*\* CI = Confidence Limit