

ROCKETDYNE WORKER HEALTH STUDY

Appendix E



Databases Used

July 13, 2005

Appendix E. Databases Used

<i>Name</i>	<i>Format</i>	<i>Record Level(s)</i>	<i>Source</i>	<i>Description</i>
Personnel Related Data				
Boeing Human Resources Electronic database	ASCII text	Person and Job	Rocketdyne	Contains detailed demographic data on 26,000 persons and 257,000 work history records
Alchemy Kardex Image Database	Alchemy	Kardex Image	Rocketdyne	Image scans of Kardex job history cards for over 35,000 Rocketdyne workers prior to 1972. Also include supplemental, and previously missing Kardex databases
Rocketdyne Phonebooks	Hard Copy	Job-location-timeperiod	Rocketdyne	Received physical phone books from Rocketdyne. Keyed approx. 15,000 names, dates and location entries
Rocketdyne Transfer Lists	MS Excel	Person	Rocketdyne	Names, SSN, and serial number of 5300 workers who transferred to other Boeing divisions, along with the transfer division and date of transfer.
Rocketdyne Medical Cards	Alchemy	Person	Rocketdyne	Image scans of 53,000 worker's 3x5 medical index cards - contained SSN, serial number, often division transferred to
Boeing Contractors Lists	dBase files	Person	Rocketdyne	List of 4,675 known contractors names, SSN (if known), employer, and contractor badge number
Boeing Medical Records Database	MS Excel	Person	Rocketdyne	List of 24,013 medical records folders, along with worker name, SSN, serial and Iron Mountain archive code
Radiation Related Data				
Radiation Records Image Database	Alchemy	Radiation Record Image	Rocketdyne	Image scans of Radiation Safety folders for over 14,000 workers
Garcia Radiation Dosimetry Database - Historical	dBase file	Person	Rocketdyne	Names, some SSNs, birthdates, and total dose for Rocketdyne employment period for 6434 individuals
Dosimetry Personel History Files	dBase file	Person - Time Period	Rocketdyne	3,927 radiation badge readings for 406 radiation workers
Rocketdyne Dosimetry System (1990)	dBase file	Person-Year Dose	Rocketdyne	3,828 yearly dose summaries of 1605 radiation workers from 1990-2000
Landauer Dosimetry Database	ASCII text	Person-Account-Annual Dose	Landauer	21,949 annual external doses for 3,297 Landauer accounts (2,144 Rocketdyne employees)
Radiographer dose scans database	Alchemy	Badge dosimetry report	Rocketdyne	Image scans of Gardray (1966-1968) and Landauer (1969-1985) badge readings for radiographers
Radiation Exposure Monitoring System (REMS)	ASCII text	Person-Facility-Year Dose	US Dept. of Energy	Contains 4,120 annual doses among 884 workers
DOE Historical Radiation Database	ASCII text	Person-Facility-Year Dose	US Dept. of Energy	Contains 7,881 annual doses among 1,515 workers
DOE Termination Radiation Database	ASCII text	Dose	US Dept. of Energy	Contains 1,066 cumulative termination doses among 398 workers
US Air Force Radiation Database	MS Access	Type - Dose Type	US Air Force	workers
US Army Radiation Database	MS Access	Person-Year Dose	US Army	Contains 366 annual doses among 171 workers
System (REIRS)	MS Excel	Person-Time Period Dose	Comm.	Contains 1,328 doses among 1071 workers
Vital Status Related Data				
Rocketdyne Death Certificates	Alchemy	Person	Rocketdyne	Images scans of all death certificates on file at Rocketdyne
Rocketdyne Death List	MS Excel	Person	Rocketdyne	Name, SSN, date of death, and uncoded cause of death for 166 Rocketdyne workers
Atomics International Reunion List	MS Word	Person	Rocketdyne	Names of ~340 Atomics International employees who attended a reunion event post 12/31/1999

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Social Security Administration Master File	ASCII Text	Person	SSA	Vital status of all workers: 53,403 (first submission) and 2,205 (second submission) workers. Resulted in identifying approx 11,000 deaths
HCFA (now CMS) Vital Status Matches	ASCII Text	Person-Match	US Health Care Financing Administration	Vital status of 31,000 workers (age > 60 submitted). Resulted in identifying approx 7,400 deaths
National Death Index Vital Status Matches	ASCII Text	Person-Match	National Death Index	Coded causes of death for 2,684 workers known to have died (probable deaths submitted)
California Surveillance Program Vital Status Matches	ASCII Text	Person-Match	CA Surveillance Program	Coded causes of death for 9,169 workers who died in California (entire workforce submitted)
PBI Vital Status Matches	ASCII Text	Person-Match	Pension Benefits International	Vital status of all workers. Resulted in identifying approx 12,224 deaths
California Death Statistical Master File	ASCII Text	Person	CA Dept. Vital Statistics	Name, birth date, and death date for deaths in CA, 1960-2002. Found additional 88 deaths
California Death Index	ASCII Text	Person	CA Dept. Vital Statistics	Name, birth date, and death date for deaths in CA, 1940-1965. Found additional 24 deaths
ComServ Vital Status Matches UCLA Data (provided by Boeing)	ASCII Text	Person	ComServ, Inc.	Matches of 1,281 workers with unknow vital status 45 confirmed dead, 957 confirmed alive
UCLA All Radiation database	MS Excel	Person	Rocketdyne	Name, SSN, birth date, hire date, termination date and summed external dose of 14,054 radiation workers - used only as QC to check our independent evaluation
UCLA Annual external doses database	MS Excel	Person-Year	Rocketdyne	8,984 annual external doses for 6,259 workers (name/ssn), including location of dose - used only as QC to check our independent evaluation
UCLA Internal Dose Database	MS Access	Person	Rocketdyne	Summed Internal doses for 2,297 workers (name/ssn/dob) - used only as QC to check our independent evaluation
UCLA Radiation Cohort Database	MS Excel	Person	Rocketdyne	List of 4,607 workers in UCLA radiation cohort, including Name, SSN, birth date, start and end years of radiation monitoring, and duration of employment at Rocketdyne - used only as QC to check our independent evaluation
UCLA CEDR radiation database	ASCII text	Person	CEDR	UCLA radiation cohort - detailed information on external and internal dose, asbestos exposure, etc. - used only as QC to check our independent evaluation
UCLA Chemical Cohort Database Miscellaneous	MS Excel	Person	Rocketdyne	UCLA chemical cohort of 6108 workers. Worksheets designate vital status and exposure level. - used only as QC to check our independent evaluation
IEI Medical Record Abstractions	MS Access	Person-Medical Report	Rocketdyne/IEI	Abstraction of 1,209 medical reports (1950-1999) among 123 workers, abstracting chemical exposure and test stand
Rocketdyne Retiree List	MS Access	Person	Rocketdyne	List of 309 Rocketdyne retirees
Rocketdyne HSIS database	MS Excel	Exposure Measurements	Rocketdyne	Industrial Hygiene exposure measurements