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OAK RIDGE Y-12 PLANT INFORMATION CONTROL FORM ~ ChemRisk

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Author's / Requestor's Name	Telephone No., Pager No. and Plant Address	Account Number
M. FRENCH / S. W. Wiley	6-0263, 417-5417, Bldg. 9106, MS-8023	2366-0003

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TYPE: ☐ Abstract ☐ Brochure ☐ Co-op Report ☐ Formal Report ☐ Informal Report
☐ Invention Disclosure ☐ Journal Article ☐ News Release ☐ Photograph/Visuals ☐ Technical Progress Report
☐ Thesis/Term Paper ☐ Videotape ☐ Other
☐ Oral Presentation (identify meeting, sponsor, location, date):

PATENT OR INVENTION SIGNIFICANCE ☐ Yes ☒ No (Identify) Document will be published in proceedings ☐ Yes ☒ No
Document has been previously released ☐ Yes ☒ No (Reference) Document will be distributed at meeting ☐ Yes ☒ No

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DIVISION REVIEW AND APPROVAL (Completed by Requesting Division)

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S. W. Wiley (Print Name) [signature] 10/10/96 (Date)

DOCUMENT REQUEST APPROVED (Division/Department Mgr.)

S. W. Wiley TOA/HS Coordinator
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[signature] 10/10/96
Signature Date

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CLASSIFICATION OFFICE:

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Weapons Data — Sigma —

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Conditions/Remarks:

STACK DIRECTORY

BLDG.	STACK	SAMPLER #	DESCRIPTION	STACK FLOW	D/E	FREQ.	DIV	AREA	SHUTDOWN DATE	RESTART DATE
9215	1	US-001	O-Wing Hydroform, Lead Bath & Oil Bath	NA	E	NA	EUO	13	1992	TBD
9215	2	US-002	O-Wing Annealing Furnace	NA	E	NA	EUO	13	1992	TBD
9215	3	UB-003	M-Wing Machine Shop	32,000	E	M	EUO	14		
9215	4	UB-004	O-Wing Rolling Mill	50,000	E	M	EUO	13	12/1995	TBD
9215	6	US-006	P-Wing Rolling Mill	31,000	D	MWF	DUO	17		
9215	7	US-007	P-Wing Hydroform Furnace	32,000	D	MWF	DUO	17		
9215	8	US-008	P-Wing Hydroform Rolling	19,000	D	MWF	DUO	17		
9215	9	US-009	N-Wing Rolling Mill & Salt Bath	18,000	D	MWF	DUO	17	4/1996	TBD
9215	10	US-010	N-Wing Rolling Mill	22,000	D	MWF	DUO	17		
9215	11	US-011	N-Wing Mill Conveyer, Annealing Furnace & Quench Tank	50,000	D	MWF	DUO	17	1/1996	TBD
9215	12	US-012	N-Wing Third Mill Shear	1,350	D	W	DUO	17		
9206	13	UB-013	South Stack: Incinerator & S-System Exhaust	70,000	E	TR	EUO	12		
9206	14	US-014	North Stack: Pulverizer, Blending Hoods, etc.	40,000	D	TR	EUO	12		
9206	15	UB-015	West Stack: UF4 Reduction Processes	81,000	E	TR	EUO	12		
9206	16	US-016	Leaching Hoods, Room 30	2,200	E	TR	EUO	12		
9206	17	US-017	Steam Cleaning & Pan Filter Hoods	13,000	E	T	EUO	12		
9212	19	UB-019	B-1 Wing East Day Filter Exhaust: Fluid Bed Enclosure	14,000	E	T		12	7/1996	POOS - 134
9212	21	US-021	Centrifuge Calciner Recovery Tank	10,000	E	MWF		11	7/1996	POOS - 134
9212	22	UB-022	B-1 West Day, Reduction Salvage Crusher & Hopper	2,000	E	W		11	7/1996	POOS - 134
9212	24	UB-024	Calciner & Fluid Bed Enclosures	5,500	E	W		11	7/1996	POOS - 134
9212	25	UB-025	Denitrator Exhaust	3,000	E	W		11	7/1996	POOS - 134

POOS: Permanently Out Of Service
POOS - 134: Permanently Out Of Service - Tied into Stack 134
TBD: To Be Determined

STACK DIRECTORY

BLDG	STACK	SAMPLER #	DESCRIPTION	STACK FLOW	D/E	FREQ.	DIV	AREA	SHUTDOWN DATE	RESTART DATE
9212	26	US-026	Drum Loading, Hood Exhaust & Glove Box, Room 1004	2,000	E	W	EUO	10		
9212	27	UB-027	D-Wing, Room 1010 Hoods, Room 29 DDU Beaker Leaching, Room 26 Area Exhaust	53,000	E	MWF	EUO	11		
9212	28	UB-028	Reduction, Shear & Room 1010 Sintering Furnaces & Milling Glove Box	21,000	E	W	EUO	11		
9212	33	UB-033	Head House Equipment: Furnaces, DDU's, etc.	29,500	E	W	EUO	11		
9212	34	UB-034	C-Wing Tile Exhaust, Residue Processing	10,500	E	W	EUO	11		
9212	36	UB-036	C-1 East Caustic Scrubber	N/A	E	N/A		11	6/1993	POOS
9212	38	UB-038	Room 1008 Briquetting Hood & Chip Handling Exhausts	1,500	E	W	EUO	13		
9212	40	UB-040	B-1 Service Lab Hood Exhaust	4,700	E	W	EUO	11		
9212	42	UB-042	C-1 Process Exhaust	N/A	E	N/A		11	5/1993	POOS
9212	43	UB-043	E-Wing Machine Shop	11,500	E	W	EUO	13		
9212	44	US-044	Room 1022 Beaker Leaching Special Processing	14,000	E	MWF	EUO	10		
9212	45	US-045	Room 1022, Dry Hoods Special Processing	7,700	E	W	EUO	10		
9212	46	US-046	Room 1021 West Dissolver Hood Special Processing	7,600	E	MWF	EUO	10		
9212	47	US-047	Room 1021 East Dissolver Hood Special Processing	7,200	E	MWF	EUO	10		
9212	48	UB-048	Room 1008, Pickeling Hood; Room 1009, Chip Cleaning	19,000	E	W	EUO	13		
9212	50	UB-050	C-1 Chip Burner	N/A	E	N/A		11	6/1993	POOS
9212	53	US-053	A-2 Wing Excello-Lathes	N/A	D	N/A		22	6/1992	POOS
9212	54	US-054	A-2 Wing Lathes & Mill	N/A	D	N/A		22	7/1992	POOS
9212	56	US-056	A-2 Wing Mill & Grinder	N/A	D	N/A		22	6/1992	POOS
9212	57	US-057	A-1 Wing Deburring Hoods, Tool Grinder & Grit Blaster	N/A	D	N/A		22	6/1992	POOS

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August 26, 1996

STACK DIRECTORY

BLDG.	STACK	SAMPLER #	DESCRIPTION	STACK FLOW	D/E	FREQ	DIV	AREA	SHUTDOWN DATE	RESTART DATE
9998	60	UB-060	H-1 Swagging Machines	1,600	D	W	DUO	15	??	TBD
9998	61	UB-061	H-1 Foundry Main Process Exhaust	55,000	D	MWF	DUO	15		
9998	62	US-062	H-1 Cleaning Hood & HP Samplers Exhaust	7,000	D	W	DUO	15		
9998	64	US-064	H-1 Nitric Acid Pickling Bath	12,000	D	MWF	DUO	15		
9201-5N	67	US-067	Machine Shop, Alpha-5 North	18,500	D	R	DUO	27		
9201-5	71	BS-071	East Machine Shop - Beryllium	25,500		T	S.M.	23		
9201-5	72	BS-072	Chip Vacuum System - Beryllium	1,000		T	S.M.	23		
9201-5	73	US-073	Palanie Shop	4500	D	N/A		16	5/1996	POOS
9201-5	75	US-075	Arc Melt Washing & Furnace Area	23,000	D	T	DUO	16		
9201-5	76	US-076	Delta Phase II: Knockout, Alligator Shear, Press & Work Table, House Vacuum	61,000	D	T	DUO	16		
9201-5	78	US-078	Nitric Acid Pickling Bath	13,000	D	T	DUO	16	??	TBD
9201-5	81	US-081	Tool Grinders	N/A	D	N/A		25	11/1988	POOS
9201-5	82	US-082	Tig Welders & Cleaning Hoods	N/A	D	N/A		31	3/1988	POOS
9201-5	83	US-083	Weld Booth, Grinders & Sanders	3,300	D	T	DUO	61		
9204-4	85	US-085	7,500 Ton Press & Vertical Lathe	9,200	D	TR	DUO	18		
9204-4	86	US-086	1,500 Ton Press & Metal Quench Tanks	4,850	D	TR	DUO	18		
9204-4	87	US-087	1,000 Ton Press	15,000	D	T	DUO	18	??	TBD
9204-4	88	UB-088	Grit Blasters	3,600	D	R	DUO	18		
9204-4	89	US-089	Lathe Vacuum Quench Furnace	23,000	D	T	DUO	18	??	TBD
9204-4	90	US-090	Billet Quench Tanks & Furnace Area Exhaust	N/A	D	N/A		18	8/1993	POOS

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STACK DIRECTORY

BLDG	STACK	SAMPLER #	DESCRIPTION	STACK FLOW	D/E	FREQ	D/V	AREA	SHUTDOWN DATE	RESTART DATE
9204-4	91	US-091	Quench Tanks & Cleaning Tanks	2,300	D	T	DUO	18	??	TBD
9204-4	92	UB-092	Billet Grinding	N/A	D	N/A		18	12/1988	POOS
9204-4	93	US-093	Vacuum Quench Furnace	8,100	D	TR	DUO	18		
9204-4	94	US-094	Plasma Torch Burner	N/A	D	N/A		18	2/1991	POOS
9204-4	95	US-095	Salt Baths & Area Exhaust	18,500	D	TR	DUO	18		
9204-4	97	US-097	Reclamation Area Lathes, Press & Work Booth	6,500	D	TR	DUO	30	6/1996	POOS??
9204-2E	100	US-100	Specimen Shop Cutoff Saw & Grinder	N/A	D	N/A		25	9/1994	POOS
9204-2B	101	US-101	Assembly Area Lathes	900	D	R	D&S	33		
9202	104	US-104	Extrusion Press	18,000	D	T	DEV	43		
9202	105	US-105	First Floor Foundry	15,500	D	T	DEV	43		
9202	106	US-106	Powder Metal Laboratory	9,700	D	T	DEV	43		
9202	107	US-107	Hood & Room Exhaust	21,000	D	T	DEV	43		
9203	108	US-108	Room 42 Lab Hoods	N/A	D	N/A		43	4/1992	POOS
9401-5	109	UB-109	Chip Oxidizer Facility	7,500	D	R	WM	63		
9212	110	UB-110	E-Wing Casting	56,500	E	W	EUO	13		
9212	111	UB-111	Reduction Fluid Bed, UO3 to UO2 (B-1)	1,600	E		EUO	11	5/96	TBD
9212	113	US-113	Room 1021, Tray Dissolver Scrubber, Special Processing	1,800	E	W	EUO	10	5/96	TBD
9212	114	US-114	Room 1021, Saws & Shears Exhaust, Special Processing	1,700	E	W	EUO	10		
9206	116	US-116	Room 19 Process Exhaust	N/A	E	N/A		12	6/1994	POOS
9201-5	124	UB-124	Abrasive Saws	N/A	E	N/A		16	6/1988	POOS
9212	126	US-126	Decontamination Facility	N/A	E	N/A		11	1/1990	POOS

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BLDG	STACK	SAMPLER #	DESCRIPTION	STACK FLOW	D/E	FREQ	DIV	AREA	SHUTDOWN DATE	RESTART DATE
9825-1	127	US-127	Uranium Oxide Storage Vault	5,100	D	T	WM	62		TBD
9212	128	US-128	Room 1022 Precipitator, Special Processing	1,800	E	MWF	EUO	10		
9720-5	130	US-130	Pu Smear Hood Area	N/A	B	N/A		35	3/1994	POOS
9212	132	US-132	Decontamination Facility	11,000	E	W		11	7/1996	POOS - 134
9212	134	UB-134	C-1 Process Exhaust, Chip Burner & East Caustic Scrubber	15,000	E	W	EUO	11		
9202	160	BS-160	Room 333 Be Lab Exhaust	11,000		T	DEV	40		
9202	161	BS-161	Room 333 Be Lab Exhaust	3,600		T	DEV	40	Under	Construction
9998	172	BS-172	G-3 Machine Shop	N/A		N/A		45	5/1995	POOS

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